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*The Right Connection®*

DPL418



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# ⚠ WARNING

**Before purchasing Dixon® products, you should be aware and make your customers aware of certain warnings. Such warnings are found on page 916 and the inside back cover of the catalog.**

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## Bayloc™ Dry Disconnects

## Coupler x Female NPT

## Features:

- automatic closing poppet assembly
- must be used with a DBA style adapter for coupler to operate, sold separately
- fully interchangeable with Kamvalok (OPW trademark) fittings
- maximum operating pressure at 70°F (21°C):
  - 1½" - 210 PSI
  - 2" - 150 PSI
  - 3" - 120 PSI
- aluminum fittings have stainless internals equivalent to 304 stainless



- stainless handle allows exposure to corrosive chemicals or wash down service
- heavy duty handle attachment prevents bending of crank assembly
- one piece stainless crank and link provide long service life
- EZ Boss-Lock™ cam arms, standard on all 1½" and 2" fittings, provide high security from accidental opening due to vibration or snagging
- large paddle type locking cam arms, standard on 3" fittings, allow for an easy grip
- optional coupler lock for handle to prevent unintentional opening



coupler x 1½" or 2" female NPT



coupler x 3" female NPT

| Female NPT | Coupler Size | Seal Material                     | Maximum PSI at 70°F (21°C) | Aluminum Part # | Stainless Steel <sup>1</sup> Part # |
|------------|--------------|-----------------------------------|----------------------------|-----------------|-------------------------------------|
| 1½"        | 2"           | Buna                              | 210                        | DBC61-150       | DBC71-150                           |
| 2"         | 2½"          |                                   | 150                        | DBC61-200       | DBC71-200                           |
| 3"         | 4"           |                                   | 120                        | DBC61-300       | DBC71-300                           |
| 1½"        | 2"           | FKM                               | 210                        | DBC62-150       | DBC72-150                           |
| 2"         | 2½"          |                                   | 150                        | DBC62-200       | DBC72-200                           |
| 3"         | 4"           |                                   | 120                        | DBC62-300       | DBC72-300                           |
| 1½"        | 2"           | PTFE Encapsulated Silicone & FFPM | 210                        | DBC63-150       | DBC73-150                           |
| 2"         | 2½"          |                                   | 150                        | DBC63-200       | DBC73-200                           |
| 3"         | 4"           |                                   | 120                        | DBC63-300       | DBC73-300                           |
| 1½"        | 2"           | EPDM                              | 210                        | DBC64-150       | DBC74-150                           |
| 2"         | 2½"          |                                   | 150                        | DBC64-200       | DBC74-200                           |
| 3"         | 4"           |                                   | 120                        | DBC64-300       | DBC74-300                           |
| 1½"        | 2"           | FFPM and PTFE <sup>2</sup>        | 210                        | ---             | DBC76-150                           |
| 2"         | 2½"          |                                   | 150                        | DBC66-200       | DBC76-200                           |
| 3"         | 4"           |                                   | 120                        | DBC66-300       | DBC76-300                           |
| 1½"        | 2"           | PTFE Encapsulated FKM & FFKM      | 210                        | ---             | DBC77-150                           |
| 2"         | 2½"          |                                   | 150                        | ---             | DBC77-200                           |
| 3"         | 4"           |                                   | 120                        | ---             | DBC77-300                           |
| 3"         | 4"           | FKM-B                             | 120                        | DBC69-300       | DBC79-300                           |

## Greaseless Coupler x Female NPT



| Female NPT | Coupler Size | Seal Material                | Stainless Steel <sup>1</sup> Part # |
|------------|--------------|------------------------------|-------------------------------------|
| 1½"        | 2"           | PTFE Encapsulated FKM & FFKM | DBC77-150-GL                        |
| 2"         | 2½"          |                              | DBC77-200-GL                        |

<sup>1</sup> stainless steel corrosion resistance is equivalent to 304 stainless steel

<sup>2</sup> FFPM gasket, main seal O-ring and handle O-ring, PTFE seals on cylinder assembly, stuffing box, and seal under poppet screw

## Coupler x 90° Swivel Female NPT



| Female NPT | Coupler Size | Seal Material                     | Aluminum Part # |
|------------|--------------|-----------------------------------|-----------------|
| 2"         | 2½"          | Buna FKM                          | DBS61-200       |
| 2"         | 2½"          |                                   | DBS62-200       |
| 2"         | 2½"          | PTFE Encapsulated Silicone & FFPM | DBS63-200       |

## Coupler Locking Kits



| Description                                     | Aluminum Part # |
|---|-----------------|
| for use with 1½" and 2" dry disconnect couplers | DBCL-200        |
| for use with 3" dry disconnect couplers         | DBCL-300        |

Note: Reference page 179 for dust plugs for couplers.



## Bayloc™ Dry Disconnects

## Adapter x Female NPT

## Applications:

- compatible with most cam and groove style dry disconnects
- helps prevent spillage from normal or accidental disconnects
- for use in transfer of hazardous fluids

## Features:

- two-piece adapter design for easy rebuilding of adapters
- fully interchangeable with Kamvalok (OPW trademark) style fittings
- for pressure ratings at other temperatures, contact Dixon®
- contact Dixon® at 800.355.1991 for chemical compatibility, size, material selection and special configurations
- spring loaded sealing device snaps closed should valve become disconnected with the poppet open

| Female NPT | Adapter Size | Seal Material              | Maximum PSI at 70°F (21°C) | Aluminum Part # | Stainless Steel Part # |
|------------|--------------|----------------------------|----------------------------|-----------------|------------------------|
| 1½"        | 2"           | Buna                       | 210                        | DBA11-150       | DBA71-150              |
| 2"         | 2½"          |                            | 150                        | DBA11-200       | DBA71-200              |
| 3"         | 4"           |                            | 120                        | DBA11-300       | DBA71-300              |
| 1½"        | 2"           | FKM                        | 210                        | DBA12-150       | DBA72-150              |
| 2"         | 2½"          |                            | 150                        | DBA12-200       | DBA72-200              |
| 3"         | 4"           |                            | 120                        | DBA12-300       | DBA72-300              |
| 1½"        | 2"           | PTFE Encapsulated Silicone | 210                        | DBA63-150       | DBA73-150              |
| 2"         | 2½"          |                            | 150                        | DBA63-200       | DBA73-200              |
| 3"         | 4"           |                            | 120                        | DBA63-300       | DBA73-300              |
| 1½"        | 2"           | EPDM                       | 210                        | DBA64-150       | DBA74-150              |
| 2"         | 2½"          |                            | 150                        | DBA64-200       | DBA74-200              |
| 3"         | 4"           |                            | 120                        | DBA64-300       | DBA74-300              |
| 1½"        | 2"           | FFPM                       | 210                        | DBA66-150       | DBA76-150              |
| 2"         | 2½"          |                            | 150                        | DBA66-200       | DBA76-200              |
| 3"         | 4"           |                            | 120                        | DBA66-300       | DBA76-300              |
| 1½"        | 2"           | PTFE Encapsulated FKM      | 210                        | ---             | DBA77-150              |
| 2"         | 2½"          |                            | 150                        | ---             | DBA77-200              |
| 3"         | 4"           |                            | 120                        | ---             | DBA77-300              |
| 3"         | 4"           | FKM-B                      | 120                        | DBA69-300       | ---                    |



adapter x 1½" and 2" female NPT



adapter x 3" female NPT

## Jump Size Adapter x Female NPT

| Female NPT | Adapter Size | Seal Material | Maximum PSI at 70°F (21°C) | Aluminum Part # |
|------------|--------------|---------------|----------------------------|-----------------|
| 2"         | 2"           | Buna          | 150                        | DBA11-1520      |
| 2"         | 2"           | FKM           | 150                        | DBA12-1520      |



## Adapter x 150# ASA Flange

| Flange Size | Adapter Size | Seal Material              | Maximum PSI at 70°F (21°C) | Stainless Steel Part # |
|-------------|--------------|----------------------------|----------------------------|------------------------|
| 2"          | 2"           | FKM                        | 150                        | DBAF72-1520            |
|             |              | PTFE Encapsulated Silicone |                            | DBAF73-1520            |
|             |              | EPDM                       |                            | DBAF74-1520            |
|             |              | FFPM                       |                            | DBAF76-1520            |
| 2"          | 2½"          | FKM                        | 150                        | DBAF72-200             |
|             |              | PTFE Encapsulated Silicone |                            | DBAF73-200             |
|             |              | EPDM                       |                            | DBAF74-200             |
|             |              | FFPM                       |                            | DBAF76-200             |
| 3"          | 4"           | FKM                        | 150                        | DBAF72-300             |
|             |              | PTFE Encapsulated Silicone |                            | DBAF73-300             |
|             |              | EPDM                       |                            | DBAF74-300             |
|             |              | FFPM                       |                            | DBAF76-300             |



Note: Reference page 179 for dust caps for adapters

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Bayloc™ Dry Disconnect Vapor Adapter x Female NPSM



| Female NPSM | Adapter Size | Seal | Max PSI at 70°F (21°C) | Stainless Steel <sup>1</sup> Part # |
|-------------|--------------|------|------------------------|-------------------------------------|
| 1½"         | 2"           | PTFE | 150                    | <b>DBAV73-2030</b>                  |

<sup>1</sup> stainless steel corrosion resistance is equivalent to 304 stainless steel

Note: Reference page 179 for dust caps for adapters

## Cam &amp; Groove Actuator Style Couplers

**Applications:**

- suited for vapor recovery, suction pump line and other applications where it is necessary to easily drain the hose or pipe for cleaning
- can also be used when product retention in a hose or pipe is desired and damage from accidental spill from an open coupler is not a concern
- couplers work with the DBA popped adapters on page 7 in applications where automatic closure for the coupler is not desired

**Materials:**

- 316 stainless steel body
- 304 stainless steel internal components
- replacement parts are available, contact Dixon® for more information

**Features:**

- EZ Boss-Lock™ cam arms
- stainless steel locking lever standard
- use with standard cam and groove dust plugs sized one size larger than the dry disconnect size
- prevents spillage from normal and accidental disconnection of the connection



| Female NPT | Coupler Size | Seal Material                     | Stainless Steel Part # |
|------------|--------------|-----------------------------------|------------------------|
| 1½"        | 2"           | <i>Buna</i>                       | <b>D2C71-150</b>       |
| 2"         | 2½"          |                                   | <b>D2C71-200</b>       |
| 1½"        | 2"           | <i>FKM</i>                        | <b>D2C72-150</b>       |
| 2"         | 2½"          |                                   | <b>D2C72-200</b>       |
| 1½"        | 2"           | <i>PTFE Encapsulated Silicone</i> | <b>D2C73-150</b>       |
| 2"         | 2½"          |                                   | <b>D2C73-200</b>       |
| 1½"        | 2"           | <i>EPDM</i>                       | <b>D2C74-150</b>       |
| 2"         | 2½"          |                                   | <b>D2C74-200</b>       |
| 1½"        | 2"           | <i>PTFE Encapsulated FKM</i>      | <b>D2C77-150</b>       |
| 2"         | 2½"          |                                   | <b>D2C77-200</b>       |
| 1½"        | 2"           | <i>FKM-B</i>                      | <b>D2C79-150</b>       |
| 2"         | 2½"          |                                   | <b>D2C79-200</b>       |



## Bayonet Style Dry Disconnects

### Application:

- for the spill-less transfer of petroleum products such as fuel oil, lube oil blending and tank truck delivery

### Features:

- ensures a spill free connection, fluid cannot flow until couplings are connected together and valve is opened; coupling can then not be disconnected until the valve handle is closed
- swivels have a standard ZERK fittings
- maximum operating pressure: **85 PSI @ 70°F (21°C)**, for pressure ratings at other temperatures contact Dixon®
- replacement parts available, contact Dixon® for more information

### 90° Swivel Coupler x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum<br>Part # |
|------|---------------|---------------------------------------|
| 2"   | Buna          | <b>BS61-200</b>                       |
| 2"   | FKM           | <b>BS62-200</b>                       |
| 3"   | Buna          | <b>BS61-300</b>                       |
| 3"   | FKM           | <b>BS62-300</b>                       |



### Straight Coupler x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum<br>Part # |
|------|---------------|---------------------------------------|
| 2"   | Buna          | <b>BC61-200</b>                       |
| 2"   | FKM           | <b>BC62-200</b>                       |



### Straight Swivel Coupler x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum<br>Part # |
|------|---------------|---------------------------------------|
| 2"   | Buna          | <b>BSS61-200</b>                      |
| 2"   | FKM           | <b>BSS62-200</b>                      |
| 3"   | Buna          | <b>BSS61-300</b>                      |
| 3"   | FKM           | <b>BSS62-300</b>                      |



### Dust Plugs

| Size | Rubber with Stainless Steel Chain<br>Part # |
|------|---|
| 2"   | <b>BCP-200</b>                              |
| 3"   | <b>BCP-300</b>                              |



### Adapter x Female NPT

| Size | Seal Material | Stainless Steel<br>Part # | Brass<br>Part # | Aluminum<br>Part # |
|------|---------------|---------------------------|-----------------|--------------------|
| 2"   | Buna          | <b>BA31-200</b>           | ---             | ---                |
| 2"   | FKM           | <b>BA32-200</b>           | ---             | ---                |
| 3"   | Buna          | ---                       | <b>BA31-300</b> | <b>BA61-300</b>    |
| 3"   | FKM           | ---                       | <b>BA32-300</b> | <b>BA62-300</b>    |



### Dust Caps

| Size | Rubber with Stainless Steel Chain<br>Part # |
|------|---|
| 2"   | <b>BAC-200</b>                              |
| 3"   | <b>BAC-300</b>                              |



## MannTek Dry Disconnect Couplings

### Applications:

- used by producers of ink, adhesives, fatty acids, pharmaceuticals, liquid soaps, petroleum, chemicals, agricultural and a wide variety of common caustic and specialty acids
- designed for the quick and spill free connection and disconnection of hoses and pipelines

### Features:

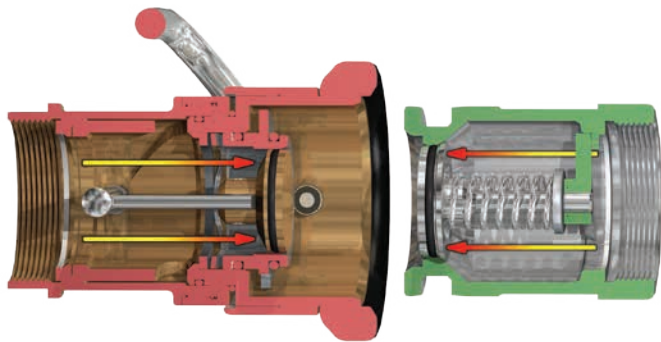
- easy to handle - push and turn - free flow, turn and pull - closed
- time saving - no need to drain hoses or pipe systems
- economical - no loss or spillage of liquids at connection or disconnection
- safety - the valve cannot be opened until the unit is coupled
- environmental friendly - accidental spillage eliminated when proper used
- safe and reliable - due to rugged construction
- product life - uncomplicated design and high quality materials ensures long product life
- selectivity - To avoid product contamination, selective versions of the couplers and adapters are available. Contact Dixon® for further information.
- produced according to NATO standard STANAG 3756 and ATOFINA SGM 2049.TUY.C.
- working pressure at ambient temperature **70°F (21°C)**:
  - aluminum: **230 PSI**, up to 4"
  - brass/ gunmetal <sup>1</sup>: **230 PSI**, up to 4"
  - stainless steel: **360 PSI**
- standard seal supplied: FKM
- optional seals:
  - EPDM
  - NBR - nitrile
  - Kalrez®
  - Chemraz®
- seal kits are available
- interchanges with Avery Hardoll and Todo-matic®

<sup>1</sup> produced to US government bronze specification G



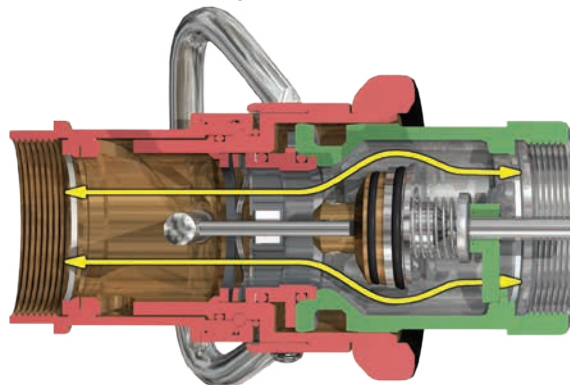
## How it Works

The principle of operation is identical for all sizes of couplings.



### Closed:

- Turn and pull  
it's released - no spillage



### Open:

- Push and turn  
it's coupled - full flow

## MannTek Dry Disconnect Couplers - Hose Unit

## Features:

- coupler has built-in swivel
- stainless steel ball bearings
- stainless steel shaft journal embedded in PTFE to eliminate seizure
- riveted piston pin to minimize the risk for failure under extreme pressure conditions
- the protective ring is a specially formulated, weather resistant and electrically conductive rubber compound
- all wetted parts are stainless steel
- stainless steel couplers: rollers are Hastelloy C276 on the stainless steel shaft
- aluminum and brass couplers: rollers are aluminum-bronze on the stainless steel shaft
- composite (Polyeten PE-HD 300) plugs provide good protection against corrosion and withstand hot and cold environments

## Coupler x Female NPT



| Female NPT | Body Size | 316 Stainless Steel<br>Part # | Aluminum<br>Part # | Brass / Gunmetal <sup>1</sup><br>Part # |
|------------|-----------|-------------------------------|--------------------|---|
| 3/4"       | 56 mm     | <b>DDC075SS</b>               | <b>DDC075AL</b>    | <b>DDC075BR</b>                         |
| 1"         | 56 mm     | <b>DDC100SS</b>               | <b>DDC100AL</b>    | <b>DDC100BR</b>                         |
| 1 1/2"     | 70 mm     | <b>DDC150SS</b>               | <b>DDC150AL</b>    | <b>DDC150BR</b>                         |
| 2"         | 70 mm     | <b>DDC200SS</b>               | <b>DDC200AL</b>    | <b>DDC200BR</b>                         |
| 3"         | 105 mm    | <b>DDC300SS105</b>            | <b>DDC300AL105</b> | <b>DDC300GM105</b>                      |
| 3"         | 119 mm    | <b>DDC300SS</b>               | <b>DDC300AL</b>    | <b>DDC300GM</b>                         |
| 4"         | 164 mm    | <b>DDC400SS</b>               | <b>DDC400AL</b>    | <b>DDC400GM</b>                         |
| 6"         | 238 mm    | <b>DDC600SS</b>               | <b>DDC600AL</b>    | ---                                     |

<sup>1</sup> produced to US government bronze specification G

## Coupler x 150# ASA Flange

| 150# Flange | Body Size | 316 Stainless Steel<br>Part # |
|-------------|-----------|-------------------------------|
| 2"          | 70 mm     | <b>DDC200SSFL</b>             |
| 3"          | 119 mm    | <b>DDC300SSFL</b>             |
| 4"          | 164 mm    | <b>DDC400SSFL</b>             |
| 6"          | 238 mm    | <b>DDC600SSFL</b>             |
| 8"          | 272 mm    | <b>DDC800SSFL</b>             |



- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Coupler x TTMA Flange

| TTMA Flange | Body Size | Aluminum<br>Part #     |
|-------------|-----------|------------------------|
| 4"          | 164 mm    | <b>DDC400AL164TTMA</b> |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).



## Dust Plugs

| Size          | Body Size | Polyeten PE-HD 300<br>Part # |
|---------------|-----------|------------------------------|
| 3/4" and 1"   | 56 mm     | <b>DDDP075</b>               |
| 1 1/2" and 2" | 70 mm     | <b>DDDP150</b>               |
| 3"            | 105 mm    | <b>DDDP300105</b>            |
| 3"            | 119 mm    | <b>DDDP300</b>               |
| 4"            | 164 mm    | <b>DDDP400</b>               |
| 6"            | 238 mm    | <b>DDDP600 <sup>1</sup></b>  |

<sup>1</sup> aluminum





## MannTek Dry Disconnect Adapters - Tank Unit

**Application:**

- usually installed on the tank or manifold

**Features:**

- conical valve seat reduces the risk for piston blow out
- PTFE bearing between piston shaft and guide eliminates risk of seizure
- aluminum adapter: aluminum poppet, stainless steel internal parts
- stainless steel adapter: stainless steel poppet, stainless steel internal parts
- brass / gunmetal <sup>1</sup> adapter: brass poppet, brass and stainless steel internal parts
- composite (Polyeten PE-HD 300) cap to provide good protection in harsh environments
- FKM (FPM) gaskets standard on polyeten caps

**Adapter x Female NPT**

| Female NPT | Body Size | 316 Stainless Steel Part # | Aluminum Part #     | Brass / Gunmetal <sup>1</sup> Part # |
|------------|-----------|----------------------------|---------------------|--------------------------------------|
| 3/4"       | 56 mm     | <b>DDA075SS</b>            | <b>DDA075AL</b>     | <b>DDA075BR</b>                      |
| 1"         | 56 mm     | <b>DDA100SS</b>            | <b>DDA100AL</b>     | <b>DDA100BR</b>                      |
| 1 1/2"     | 70 mm     | <b>DDA150SS</b>            | <b>DDA150AL</b>     | <b>DDA150BR</b>                      |
| 2"         | 70 mm     | <b>DDA200SS</b>            | <b>DDA200AL</b>     | <b>DDA200BR</b>                      |
| 3"         | 105 mm    | <b>DDA300SS105</b>         | <b>DDA300AL 105</b> | <b>DDA300GM105</b>                   |
| 3"         | 119 mm    | <b>DDA300SS</b>            | <b>DDA300AL</b>     | <b>DDA300GM</b>                      |
| 4"         | 164 mm    | <b>DDA400SS</b>            | <b>DDA400AL</b>     | <b>DDA400GM</b>                      |
| 6"         | 238 mm    | <b>DDA600SS</b>            | <b>DDA600AL</b>     | ---                                  |

**Adapter x 150# ASA Flange**

| 150# Flange | Body Size | 316 Stainless Steel Part # | Aluminum Part #       | Brass / Gunmetal <sup>1</sup> Part # |
|-------------|-----------|----------------------------|-----------------------|--------------------------------------|
| 3/4"        | 56 mm     | <b>DDA075SSFL</b>          | ---                   | ---                                  |
| 1"          | 56 mm     | <b>DDA100SSFL</b>          | <b>DDA100ALFL</b>     | <b>DDA100BRFL</b>                    |
| 1 1/2"      | 70 mm     | <b>DDA150SSFL</b>          | <b>DDA150ALFL</b>     | <b>DDA150BRFL</b>                    |
| 2"          | 70 mm     | <b>DDA200SSFL</b>          | <b>DDA200ALFL</b>     | <b>DDA200BRFL</b>                    |
| 3"          | 105 mm    | <b>DDA300SS105FL</b>       | <b>DDA300AL 105FL</b> | <b>DDA300GM105FL</b>                 |
| 3"          | 119 mm    | <b>DDA300SSFL</b>          | <b>DDA300ALFL</b>     | <b>DDA300GMFL</b>                    |
| 4"          | 164 mm    | <b>DDA400SSFL</b>          | <b>DDA400ALFL</b>     | <b>DDA400GMFL</b>                    |
| 6"          | 238 mm    | <b>DDA600SSFL</b>          | <b>DDA600ALFL</b>     | ---                                  |
| 8"          | 272 mm    | <b>DDA800SSFL</b>          | ---                   | ---                                  |



<sup>1</sup> produced to US government bronze specification G

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

**Adapter x TTMA Flange**

| TTMA Flange | Body Size | Aluminum Part #        |
|-------------|-----------|------------------------|
| 3"          | 105 mm    | <b>DDA300AL105TTMA</b> |
| 3"          | 119 mm    | <b>DDA300AL119TTMA</b> |
| 4"          | 164 mm    | <b>DDA400AL164TTMA</b> |



- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

**Adapter Weather Protector with Clamp**

| Size | Black Neoprene Part # |
|------|-----------------------|
| 2"   | <b>PCDVCHSS36</b>     |

**Dust Caps**

| Size          | Body Size | Polyeten PE-HD 300 Part #   |
|---------------|-----------|-----------------------------|
| 3/4" and 1"   | 56 mm     | <b>DDDC075</b>              |
| 1 1/2" and 2" | 70 mm     | <b>DDDC150</b>              |
| 3"            | 105 mm    | <b>DDDC300105</b>           |
| 3"            | 119 mm    | <b>DDDC300</b>              |
| 4"            | 164 mm    | <b>DDDC400</b>              |
| 6"            | 238 mm    | <b>DDDC600</b> <sup>1</sup> |



<sup>1</sup> 6" dust cap is aluminum

Note: Reference page 14 for rubber dust caps.

## MannTek Dry Disconnects for Steam Service

**Applications:**

- designed to fit hoses carrying steam used in chemical (heating), pharmaceutical (disinfection and sterilization) and at loading bays

**Features:**

- coupling housing and all inner parts: stainless steel
- EPDM 291 seal
- unintentional separation is eliminated preventing accidents and avoiding unintended down time
- performance unaffected by surface rust
- lockable versions are available on 1½" and 2", contact Dixon®
- couplers supplied with double handles
- **150 PSI at 350°F (177°C)**

**Coupler x Female NPT**

| Female NPT | Body Size | 316 Stainless Steel<br>Part # |
|------------|-----------|-------------------------------|
| ¾"         | 56 mm     | <b>DDSC075SS</b>              |
| 1"         | 56 mm     | <b>DDSC100SS</b>              |
| 1½"        | 70 mm     | <b>DDSC150SS</b>              |
| 2"         | 70 mm     | <b>DDSC200SS</b>              |

**Adapter x Female NPT**

| Female NPT | Body Size | 316 Stainless Steel<br>Part # |
|------------|-----------|-------------------------------|
| ¾"         | 56 mm     | <b>DDSA075SS</b>              |
| 1"         | 56 mm     | <b>DDSA100SS</b>              |
| 1½"        | 70 mm     | <b>DDSA150SS</b>              |
| 2"         | 70 mm     | <b>DDSA200SS</b>              |



## MannTek Dry Gas Couplings

**Applications:**

- primary application is in the handling of LPG - Propane and Butane
- designed for loading and discharge of bobtails or intermediate bulk delivery trucks to and from rail cars

**Features:**

- reliable, easy to maintain
- can be coupled to a tank unit with pressures up to **225 PSI** at ambient temperature **70°F (21°C)**, if pressure is higher, equip couplings with pressure relief valves.
- minimizes the risk of cold burns, spillage, product loss and health risks and keeps the environment free of hazardous vapors and liquids
- compatible with existing dry disconnect couplings
- stainless steel and brass / gunmetal (*produced to US government bronze specification G*)
- FKM (FPM) seals
- working pressure: **360 PSI** at ambient temperature **70°F (21°C)**
- composite (Polyeten PE-HD 300) plug provides good protection in harsh environments
- for pressure relief options contact Dixon®

**Coupler x Female NPT**

| Female NPT | Body Size | 316 Stainless Steel<br>Part # |
|------------|-----------|-------------------------------|
| 1"         | 56 mm     | <b>DGC100SS</b>               |
| 2"         | 71 mm     | <b>DGC200SS</b>               |
| 3"         | 119 mm    | <b>DGC300SS</b>               |

**Dust Plug for Couplers**

| Size | Body Size | Polyeten PE-HD 300<br>Part # |
|------|-----------|------------------------------|
| 1"   | 56 mm     | <b>DGDP100</b>               |
| 2"   | 71 mm     | <b>DGDP200</b>               |
| 3"   | 119 mm    | <b>DGDP300</b>               |

**Adapter x Female NPT**

| Female NPT | Body Size | 316 Stainless Steel<br>Part # |
|------------|-----------|-------------------------------|
| 1"         | 56 mm     | <b>DGA100SS</b>               |
| 2"         | 71 mm     | <b>DGA200SS</b>               |
| 3"         | 119 mm    | <b>DGA300SS</b>               |

**Adapter x Female ACME**

| Female ACME | Body Size | 316 Stainless Steel<br>Part # |
|-------------|-----------|-------------------------------|
| 1¾"         | 56 mm     | <b>DGA100SS175</b>            |
| 3¼"         | 71 mm     | <b>DGA200SS325</b>            |

**Adapter-Tank Unit x 150# ASA Flange**

| 150# Flange | Body Size | 316 Stainless Steel<br>Part # |
|-------------|-----------|-------------------------------|
| 1"          | 56 mm     | <b>DGA100SSFL</b>             |
| 2"          | 71 mm     | <b>DGA200SSFL</b>             |
| 3"          | 119 mm    | <b>DGA300SSFL</b>             |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

**Dust Cap for Adapters**

| Size | Body Size | Material                 | Part #         |
|------|-----------|--------------------------|----------------|
| 1"   | 56 mm     | <i>polyeten PE-HD300</i> | <b>DGDC100</b> |
| 2"   | 71 mm     | <i>rubber</i>            | <b>DGDC200</b> |
| 3"   | 119 mm    | <i>rubber</i>            | <b>DGDC300</b> |



## MannTek Dry Aviation Couplers - Hose Unit

**Application:**

- designed for use in aviation refueling systems

**Features:**

- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- composite (Polyeten PE-HD 300) plug provides good protection in harsh environments
- accepts international standard 2½" point bayonet, hose end refueling nozzles according to: ISO45 / MS24484 / STANAG 3105 / British Aerospace Spec. 2C14, **they are not configured for under-wing refueling** ⚠
- gunmetal coupling ring minimizes the risk of seizure
- riveted piston pin minimizes risk of failure under extreme pressure conditions
- protective ring is a specially formulated, weather resistant and electrically conductive rubber compound

**Materials:**

- body: high strength aluminum
- coupling ring: gunmetal (*produced to U.S. government bronze specification G*)
- bayonet flange and inner parts: stainless steel, aluminum
- all wetted parts are aluminum and stainless steel
- stainless steel ball bearings
- stainless steel shaft journal embedded in PTFE eliminates seizure
- PTFE bearings between the driving plate and piston guide eliminate the risk of seizure

**Coupler x Female NPT**

| Female NPT | Body Size | Aluminum<br>Part # |
|------------|-----------|--------------------|
| 2½"        | ISO 45    | <b>DAC250AL</b>    |
| 3"         | ISO 45    | <b>DAC300AL</b>    |

**Coupler x Female BSP**

| Female BSP | Body Size | Aluminum<br>Part # |
|------------|-----------|--------------------|
| 2½"        | ISO 45    | <b>DAC250ALBSP</b> |
| 3"         | ISO 45    | <b>DAC300ALBSP</b> |

**Dust Plug for Couplers**

| Size | Body Size | Polyeten PE-HD300<br>Part # |
|------|-----------|-----------------------------|
| 2½"  | ISO 45    | <b>DADP250</b>              |



## MannTek Dry Aviation Adapters - Tank Unit


### Application:

- designed for use in aviation refueling systems

### Materials:

- body: high strength aluminum
- coupling ring: gunmetal
- bayonet flange and inner parts: stainless steel, aluminum
- all wetted parts are in aluminum and stainless steel

### Features:

- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- composite (Polyeten PE-HD 300) cap provides good protection in harsh environments
- accepts international standard 2½" point bayonet hose end refueling nozzles according to: ISO45 / MS24484 / STANAG 3105 / British Aerospace Spec. 2C14, **not configured for under-wing refueling** 
- gunmetal coupling ring minimizes the risk of seizure
- PTFE bearings between the piston shaft and the piston guide eliminate the risk of seizure
- conical valve seat eliminates the risk of piston blow out when extreme pressure is used



### Adapter x Female NPT

| Size | Body Size | Aluminum Part # |
|------|-----------|-----------------|
| 2½"  | ISO 45    | <b>DAA250AL</b> |
| 3"   | ISO 45    | <b>DAA300AL</b> |



### Adapter x 150# ASA Flange

| 150# Flange | Body Size | Aluminum Part #   |
|-------------|-----------|-------------------|
| 2½"         | ISO 45    | <b>DAA250ALFL</b> |
| 3"          | ISO 45    | <b>DAA300ALFL</b> |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).



### Dust Cap for Adapters

| Size | Body Size | Polyeten PE-HD 300 Part # |
|------|-----------|---------------------------|
| 2½"  | ISO 45    | <b>DADC250</b>            |

## MannTek Safety Break-away Couplings - Marine Version

**Application:**

- typically for ship-to-offshore platform and ship-to-ship product transfer operations

**Features:**

- designed to be installed within a hose string where the coupling will have a length of hose attached to both sides**
- minimizes spillage and damage associated with pull-away incidents
- coupling automatically senses excessive load, closes the valves and disconnects, release is executed when force causes bolts to break
- working pressure: **360 PSI** at ambient temperature **70°F (21°C)**
- FKM (FPM) O-rings, additional seal materials are available
- optional non-closure design available, contact Dixon®

**Female NPT x Female NPT**

| Size | DN Size | 316 Stainless Steel<br>Part # |
|------|---------|-------------------------------|
| 2"   | 50      | <b>MSBC200SS</b>              |
| 3"   | 80      | <b>MSBC300SS</b>              |
| 4"   | 100     | <b>MSBC400SS</b>              |
| 5"   | 125     | <b>MSBC500SS</b>              |
| 6"   | 150     | <b>MSBC600SS</b> <b>NEW</b>   |

**Male NPT x Male NPT**

| Size | DN Size | 316 Stainless Steel<br>Part # |
|------|---------|-------------------------------|
| 2"   | 50      | <b>MSBC200SSMNPT</b>          |
| 3"   | 80      | <b>MSBC300SSMNPT</b>          |
| 4"   | 100     | <b>MSBC400SSMNPT</b>          |
| 5"   | 125     | <b>MSBC500SSMNPT</b>          |
| 6"   | 150     | <b>MSBC600SSMNPT</b>          |

**150# Flange x 150 Flange**

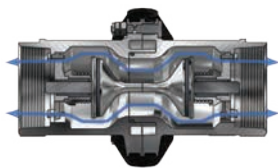
| Size | DN Size | 316 Stainless Steel<br>Part # |
|------|---------|-------------------------------|
| 2"   | 50      | <b>MSBC200SSFL</b>            |
| 3"   | 80      | <b>MSBC300SSFL</b>            |
| 4"   | 100     | <b>MSBC400SSFL</b>            |
| 5"   | 125     | <b>MSBC500SSFL</b>            |
| 6"   | 150     | <b>MSBC600SSFL</b>            |
| 8"   | 200     | <b>MSBC800SSFL</b>            |



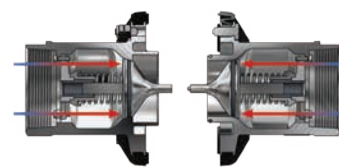
- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

**How it Works**

Safety break-away couplings have three external break bolts. In the case of axial tension all of the bolts take up the force corresponding to the break force on the hose with a safety margin. Non-axial forces concentrate the tension forces more strongly on one bolt, so that the safety break-away coupling reacts in a natural way to the reduction of the hose break forces.

**BEFORE emergency disconnect**

The safety break-away valve consists of two halves, each with a valve that has a O-ring seal.

**AFTER emergency disconnect**

When the safety break-away couplings separate, it allows the valves to close. The two valves close rapidly, minimizing exposure to personnel and the environment.



## MannTek Safety Break-away Couplings - Industrial Version

**Application:**

- loading rack, bulk loading / unloading, road tankers and rail tankers

**Features:**

- designed to be installed between a fixed point (pipe, pump, manifold) and a hose
- minimizes spillage and damage associated with pull-away incidents
- coupling automatically senses excessive load, closes valves and disconnects, release is executed when force causes bolts to break
- high flow rate / low pressure drop
- working pressure: stainless steel **360 PSI** and aluminum **230 PSI** at ambient temperature **70°F (21°C)**
- FKM (FPM) seal standard, additional seal materials are available
- optional non-closure design available, contact Dixon®

**Female NPT x Female NPT**

| Size | DN Size | 316 Stainless Steel<br>Part # | Aluminum<br>Part # |
|------|---------|-------------------------------|--------------------|
| 1"   | 25      | <b>SBC100SS</b>               | <b>SBC100AL</b>    |
| 2"   | 50      | <b>SBC200SS</b>               | <b>SBC200AL</b>    |
| 3"   | 80      | <b>SBC300SS</b>               | <b>SBC300AL</b>    |
| 4"   | 100     | <b>SBC400SS</b>               | <b>SBC400AL</b>    |
| 5"   | 125     | <b>SBC500SS</b>               | <b>SBC500AL</b>    |
| 6"   | 150     | <b>SBC600SS</b>               | <b>SBC600AL</b>    |

**Male NPT x Male NPT**

| Size | DN Size | 316 Stainless Steel<br>Part # | Aluminum<br>Part #  |
|------|---------|-------------------------------|---------------------|
| 2"   | 50      | <b>SBC200SSMNPT</b>           | <b>SBC200ALMNPT</b> |
| 3"   | 80      | <b>SBC300SSMNPT</b>           | <b>SBC300ALMNPT</b> |
| 4"   | 100     | <b>SBC400SSMNPT</b>           | <b>SBC400ALMNPT</b> |
| 5"   | 125     | <b>SBC500SSMNPT</b>           | <b>SBC500ALMNPT</b> |
| 6"   | 150     | <b>SBC600SSMNPT</b>           | <b>SBC600ALMNPT</b> |

**150# Flange x 150# Flange**

| Size | DN Size | 316 Stainless Steel<br>Part # | Aluminum<br>Part # |
|------|---------|-------------------------------|--------------------|
| 1"   | 25      | <b>SBC100SSFL</b>             | ---                |
| 2"   | 50      | <b>SBC200SSFL</b>             | <b>SBC200ALFL</b>  |
| 3"   | 80      | <b>SBC300SSFL</b>             | <b>SBC300ALFL</b>  |
| 4"   | 100     | <b>SBC400SSFL</b>             | <b>SBC400ALFL</b>  |
| 5"   | 125     | <b>SBC500SSFL</b>             | <b>SBC500ALFL</b>  |
| 6"   | 150     | <b>SBC600SSFL</b>             | <b>SBC600ALFL</b>  |
| 8"   | 200     | <b>SBC800SSFL</b>             | ---                |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

**TTMA Flanged Breakaway Coupling****Features:**

- minimizes spillage and damage associated with drive away and pull away incidents
- installs between an API coupler and loading arm
- coupling automatically senses excessive load, closes the valves and disconnects, release is executed when force causes the bolts to break
- high flow rate / low pressure drop
- 150 PSI** at ambient temperature **70°F (21°C)**
- FKM/FPM is standard seal



| Size | Aluminum<br>Part # |
|------|--------------------|
| 4"   | <b>SBC400ALTMA</b> |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## FloMAX Diesel Fueling System

**Application:**

- designed for on-site refueling of construction, mining, forestry and agricultural equipment

**Diesel Fuel Nozzles****Features:**

- 1½" female NPT
- tested to 180 gallons per minute
- integrated high flow swivel and sealing plug
- plug/bumper assembly gives complete nose seal
- investment cast aluminum housing
- anodized aluminum non-wear parts
- stainless steel wear components
- Delron® bushings eliminate metal-to-metal wear
- interchanges with Caterpillar® and Wiggins systems

| Description                           | Part #             |
|---------------------------------------|--------------------|
| dog latch mechanism with sealing plug | <b>FN600</b>       |
| ball lock with sealing plug           | <b>FN600BL</b>     |
| sealing plug for FN600                | <b>FN600B-PLUG</b> |
| sealing plug for FN600BL              | <b>FN600B</b>      |

**One-Piece Diesel Fuel Receivers****Features:**

- 2" male NPT
- O-ring sealed aluminum cap
- cap has set screw attached vinyl coated cable lanyard

| Description                    | Material                   | Part #        |
|--------------------------------|----------------------------|---------------|
| one-piece receiver without cap | <i>nickel-plated steel</i> | <b>FRS</b>    |
| one-piece receiver with cap    | <i>nickel-plated steel</i> | <b>FRS-C</b>  |
| one-piece receiver without cap | <i>anodized aluminum</i>   | <b>FRA</b>    |
| one-piece receiver with cap    | <i>anodized aluminum</i>   | <b>FRA-C</b>  |
| cap for receiver               | <i>anodized aluminum</i>   | <b>FR-CAP</b> |

**Two-Piece Diesel Fuel Receivers****Features:**

- 2" male NPT
- O-ring sealed aluminum cap
- cap has set screw attached vinyl coated cable lanyard

| Description   | Part #         |
|---|----------------|
| two-piece receiver with removable stainless sleeve, without cap | <b>FR-RS</b>   |
| two-piece receiver with removable stainless sleeve with cap     | <b>FR-RS-C</b> |
| removable sleeve replacement for two-piece receiver             | <b>FR-RS-R</b> |
| cap for receiver  | <b>FR-CAP</b>  |



## FloMAX Diesel Fueling System

## Non-Interchange Diesel Fuel Nozzle

## Application:

- used in biodiesel fueling

## Features:

- 1½" female NPT
- design prevents fuel contamination
- connects to the non-interchange receiver only
- ball lock design



| Description           | Part #            |
|-----------------------|-------------------|
| ball lock fuel nozzle | <b>FN600BL-NI</b> |

## Non-Interchange Diesel Fuel Receiver

## Application:

- used in biodiesel fueling

## Features:

- design prevents fuel contamination
- connects to the non-interchange nozzle only
- ball lock design



| Description                 | Anodized Aluminum<br>Part # |
|-----------------------------|-----------------------------|
| one-piece receiver with cap | <b>FRA-NI-C</b>             |

## 2" High Volume Diesel Fueling System

## Features:

- capable of flowing over 400 GPM
- 2" female NPT
- stainless steel ball lock design
- removable pull back assembly

## Materials:

- housing: aluminum
- non-wear parts: anodized aluminum
- internal wear components: stainless steel
- bushings: Delron®

## Diesel Fuel Nozzles



| Description                             | Part #                      |
|---|-----------------------------|
| 2" fuel nozzle                          | <b>FX1500<sup>1</sup></b>   |
| 2" fuel nozzle - with plug              | <b>FX1500P<sup>1</sup></b>  |
| 2" fuel nozzle - with swivel            | <b>FX1500S<sup>1</sup></b>  |
| 2" fuel nozzle - with swivel, with plug | <b>FX1500SP<sup>1</sup></b> |
| 2" sealing plug for nozzle              | <b>FX1500PLUG</b>           |

<sup>1</sup> must be used with high flow fuel vents found on page 21

## Diesel Fuel Receivers



| Description               | Part #        |
|---------------------------|---------------|
| 2" diesel fuel receiver   | <b>FRX</b>    |
| 2" fuel receiver with cap | <b>FRX-C</b>  |
| 2" cap for receiver       | <b>FRXCAP</b> |



## Diesel Fuel Gravity Fill Receivers

### Feature:

- used with the FN600 or FN600BL to convert to gravity fueling

| Size   | Description | Part #         |
|--------|-------------|----------------|
| 1 3/8" | straight    | <b>GFR-0</b>   |
| 1 3/8" | 45°         | <b>GFR-45</b>  |
| 1 3/8" | 90°         | <b>GFR-90</b>  |
| 1"     | straight    | <b>GFR1-0</b>  |
| 1"     | 45°         | <b>GFR1-45</b> |
| 1"     | 90°         | <b>GFR1-90</b> |



Engineered Fluid  
Transfer Couplings

## Fuel Vents

### Features:

- 2" male NPT
- billet cap provides superior impact resistance
- easily serviced all metal construction
- rigid ball cage for positive seal
- available with: threaded outlet, half coupling and anti-vandalism mounting

| Description                           | Part #     |
|---------------------------------------|------------|
| vent with 5" tube                     | <b>VT</b>  |
| vent with 7" tube                     | <b>VT7</b> |
| vent with 9" tube                     | <b>VT9</b> |
| vent with 5" tube and threaded outlet | <b>VTT</b> |



## High Flow Fuel Vents

### Feature:

- 7" tubes are available, contact Dixon® for more information

| Description                      | Part #       |
|----------------------------------|--------------|
| high flow fuel vent with 5" tube | <b>VTX</b>   |
| high flow fuel vent with 9" tube | <b>VTX-9</b> |



## Diesel Fuel Swivels

### Features:

- stainless steel male threaded base and ball bearings
- hard black anodized female threaded nut
- fluorosilicone sealing O-rings

| Thread Size                           | Description | Part #                    |
|---------------------------------------|-------------|---------------------------|
| 1 1/2" male NPT x 1 1/2" female NPT   | standard    | <b>FNS</b>                |
| 2" male NPT x 1 1/2" female NPT       | standard    | <b>FNS2</b>               |
| 1 1/2" female NPT x 1 1/2" female NPT | double      | <b>FNSID</b>              |
| 1 1/2" male NPS x 1 1/2" female NPT   | standard    | <b>FN600S<sup>1</sup></b> |

<sup>1</sup> used with FN600 or FN600BL



## Service Box

### Features:

- Designed to enclose receivers for diesel fuel, hydraulic oil, transmission fluid and coolant reducing contamination and weather related problems.
- normally installed on heavy duty earth mover equipment and drill rigs
- 12 gauge steel construction with heavy duty hinges
- painted with Imron® Primer

| Part #     |
|------------|
| <b>FSB</b> |



receivers sold separately

## Standard Series Connectors

## Features:

- standard series connectors consist of four color-coded mating connectors
- all-metal construction with stainless steel wear components and anodized aircraft grade aluminum non-wear components
- easily recognizable labeling
- fully compatible and interchangeable with industry standards

## Engine Oil Nozzles

## Features:

- **bright red**
- universally fits both R-series and Standard series crankcase receivers
- incorporates 10 locking balls with a 40% deeper engagement
- resistant to clogging with a greater ease of cleaning
- smooth actuation
- larger diameter pullback lanyard



| Male Thread | Description                       | Anodized Aluminum Part # |
|-------------|-----------------------------------|--------------------------|
| 3/4" NPT    | engine nozzle ball lock           | <b>ENBL</b>              |
| 3/4" NPT    | engine nozzle ball lock with plug | <b>ENBL-P</b>            |
| ---         | engine nozzle plug                | <b>ENBL-PLUG</b>         |

## Engine Oil Receivers



| Male Thread | Description                                    | Anodized Aluminum Part # |
|-------------|--|--------------------------|
| 3/4" NPT    | engine receiver                                | <b>ERS</b>               |
| 3/4" NPT    | engine receiver with cap                       | <b>ERS-C</b>             |
| ---         | engine receiver cap                            | <b>ERS-CAP</b>           |
| 3/4" JIC    | engine receiver with JIC bulkhead base         | <b>ERJ</b>               |
| 3/4" JIC    | engine receiver with JIC bulkhead base and cap | <b>ERJ-C</b>             |

## Coolant Fluid Nozzles

## Features:

- **bright teal**
- standard roll-pin locking mechanism
- ergonomically engineered pullbacks and caps



| Male Thread | Description                        | Anodized Aluminum Part # |
|-------------|------------------------------------|--------------------------|
| 1/2" NPT    | coolant nozzle ball lock           | <b>CN</b>                |
| 1/2" NPT    | coolant nozzle ball lock with plug | <b>CN-P</b>              |
| ---         | coolant nozzle plug                | <b>CN-PLUG</b>           |

## Coolant Fluid Receivers



| Male Thread | Description               | Anodized Aluminum Part # |
|-------------|---------------------------|--------------------------|
| 1/2" NPT    | coolant receiver          | <b>CR-S</b>              |
| 1/2" NPT    | coolant receiver with cap | <b>CR-C</b>              |
| ---         | coolant receiver cap      | <b>CR-CAP</b>            |

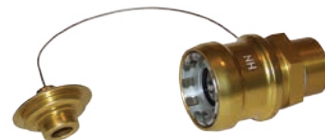
## Standard Series Connectors

## Hydraulic Oil Nozzles

## Features:

- **bright gold**
- 10 steel dog latching mechanism
- ergonomically engineered pullbacks and caps

| Female Thread | Description                | Anodized Aluminum Part # |
|---------------|----------------------------|--------------------------|
| ¾" NPT        | hydraulic nozzle           | <b>HN</b>                |
| ¾" NPT        | hydraulic nozzle with plug | <b>HN-P</b>              |
| ---           | hydraulic nozzle plug      | <b>HN-PLUG</b>           |



## Hydraulic Oil Receivers

| Male Thread | Description                 | Anodized Aluminum Part # |
|-------------|-----------------------------|--------------------------|
| ¾" NPT      | hydraulic receiver          | <b>HR</b>                |
| ¾" NPT      | hydraulic receiver with cap | <b>HR-C</b>              |
| ---         | hydraulic receiver cap      | <b>HR-CAP</b>            |



## Transmission Fluid Nozzles

## Features:

- **bright violet**
- 6 steel dog latching mechanism
- ergonomically engineered pullbacks and caps

| Male Thread | Description                   | Anodized Aluminum Part # |
|-------------|-------------------------------|--------------------------|
| ½" NPT      | transmission nozzle           | <b>TN</b>                |
| ½" NPT      | transmission nozzle with plug | <b>TN-P</b>              |
| ---         | transmission nozzle plug      | <b>TN-PLUG</b>           |



## Transmission Fluid Receivers

| Female Thread | Description                    | Anodized Aluminum Part # |
|---------------|--------------------------------|--------------------------|
| ⅜" NPT        | transmission receiver          | <b>TR</b>                |
| ⅜" NPT        | transmission receiver with cap | <b>TR-C</b>              |
| ---           | transmission receiver cap      | <b>TR-CAP</b>            |



## R Series Connectors

## Features:

- fully compatible and interchangeable with industry standards
- all-metal construction using anodized aircraft grade aluminum non-wear components
- standard roll-pin locking mechanism
- ergonomically engineered pullbacks and caps

## Engine Oil Nozzles

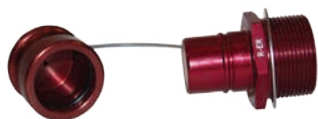
## Feature:

- bright red



| Female Thread | Description                      | Anodized Aluminum Part # |
|---------------|----------------------------------|--------------------------|
| 3/4" NPT      | R-series engine nozzle           | <b>R-EN</b>              |
| 3/4" NPT      | R-series engine nozzle with plug | <b>R-EN-P</b>            |
| ---           | R-series engine nozzle plug      | <b>R-EN-PLUG</b>         |

## Engine Oil Receivers



| Male Thread    | Female Thread  | Description                       | Anodized Aluminum Part # |
|----------------|----------------|-----------------------------------|--------------------------|
| 1.625-12 UN-2A | 1.312-12 UN-2B | R-series engine receiver          | <b>R-ER</b>              |
| 1.625-12 UN-2A | 1.312-12 UN-2B | R-series engine receiver with cap | <b>R-ER-C</b>            |
| ---            | ---            | R-series engine receiver cap      | <b>R-ER-CAP</b>          |

## Coolant Fluid Nozzles

## Feature:

- bright teal



| Female Thread | Description                       | Anodized Aluminum Part # |
|---------------|-----------------------------------|--------------------------|
| 1/2" NPT      | R-series coolant nozzle           | <b>R-CN</b>              |
| 1/2" NPT      | R-series coolant nozzle with plug | <b>R-CN-P</b>            |
| ---           | R-series coolant nozzle plug      | <b>R-CN-PLUG</b>         |

## Coolant Fluid Receivers



| Male Thread    | Female Thread | Description                        | Anodized Aluminum Part # |
|----------------|---------------|------------------------------------|--------------------------|
| 1.187-12 UN-2A | .875-14 UN-2B | R-series coolant receiver          | <b>R-CR</b>              |
| 1.187-12 UN-2A | .875-14 UN-2B | R-series coolant receiver with cap | <b>R-CR-C</b>            |
| ---            | ---           | R-series coolant receiver cap      | <b>R-CR-CAP</b>          |



## R Series Connectors

## Hydraulic Oil Nozzles

## Feature:

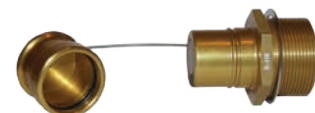
- bright gold

| Female Thread | Description                         | Anodized Aluminum Part # |
|---------------|-------------------------------------|--------------------------|
| 1" NPT        | R-series hydraulic nozzle           | <b>R-HN</b>              |
| 1" NPT        | R-series hydraulic nozzle with plug | <b>R-HN-P</b>            |
| ---           | R-series hydraulic nozzle plug      | <b>R-HN-PLUG</b>         |



## Hydraulic Oil Receivers

| Male Thread    | Female Thread  | Description                          | Anodized Aluminum Part # |
|----------------|----------------|--------------------------------------|--------------------------|
| 1.875-12 UN-2A | 1.625-12 UN-2B | R-series hydraulic receiver          | <b>R-HR</b>              |
| 1.875-12 UN-2A | 1.625-12 UN-2B | R-series hydraulic receiver with cap | <b>R-HR-C</b>            |
| ---            | ---            | R-series hydraulic receiver cap      | <b>R-HR-CAP</b>          |



## Transmission Fluid Nozzles

## Feature:

- bright violet

| Female Thread | Description                            | Anodized Aluminum Part # |
|---------------|--|--------------------------|
| 3/4" NPT      | R-series transmission nozzle           | <b>R-TN</b>              |
| 3/4" NPT      | R-series transmission nozzle with plug | <b>R-TN-P</b>            |
| ---           | R-series transmission nozzle plug      | <b>R-TN-PLUG</b>         |



## Transmission Fluid Receivers

| Male Thread    | Female Thread  | Description                         | Anodized Aluminum Part # |
|----------------|----------------|-------------------------------------|--------------------------|
| 1.312-12 UN-2A | 1.062-12 UN-2B | R-series transmission receiver      | <b>R-TR</b>              |
| 1.312-12 UN-2A | 1.062-12 UN-2B | R-series transmission receiver, cap | <b>R-TR-C</b>            |
| ---            | ---            | R-series transmission receiver cap  | <b>R-TR-CAP</b>          |



## High Flow ¾" Series Connectors

## Features:

- 6 nozzle and receiver sets color coded for quick identification of mating parts; each color nozzle and receiver only couples with matching color component providing complete protection against cross contamination
- maximum flow rate: 50 GPM at 40 PSI
- working pressure rating: **200 PSI**

## Nozzles

| Male Thread | Description             | Anodized Aluminum Part # |
|-------------|-------------------------|--------------------------|
| ¾" NPT      | red nozzle with plug    | <b>ENBL-P</b>            |
|             | gold nozzle with plug   | <b>ENBL-P2</b>           |
|             | teal nozzle with plug   | <b>ENBL-P3</b>           |
|             | violet nozzle with plug | <b>ENBL-P4</b>           |
|             | navy nozzle with plug   | <b>ENBL-P5</b>           |
|             | copper nozzle with plug | <b>ENBL-P6</b>           |

## Receivers

| Male Thread | Description              | Anodized Aluminum Part # |
|-------------|--------------------------|--------------------------|
| ¾" NPT      | red receiver with cap    | <b>ERS-C</b>             |
|             | gold receiver with cap   | <b>ERS-C2</b>            |
|             | teal receiver with cap   | <b>ERS-C3</b>            |
|             | violet receiver with cap | <b>ERS-C4</b>            |
|             | navy receiver with cap   | <b>ERS-C5</b>            |
|             | copper receiver with cap | <b>ERS-C6</b>            |

- ERS series is available with JIC bulkhead base, substitute 'J' for 'S', example: ERJ-C2

## High Flow 1" Series Connectors

## Features:

- 7 color coded nozzle and receiver sets for quick identification of mating parts; nozzle and receiver only couple with matching color component providing complete protection against cross contamination
- nozzle/receiver combination has a flow area equivalent to a 1" schedule 80 pipe
- working pressure: **500 PSI** with burst pressure: **1500 PSI**
- all wear parts are stainless steel; all non-wear parts are colored anodized aircraft grade aluminum
- standard nozzle mounting: 1" female NPT; receiver: 1" male NPT
- nozzle incorporates a ball lock mechanism ensuring smooth and reliable operation
- length: nozzle 3.90" (99 mm), receiver 3.44" (87 mm)
- nozzle and receiver coupled length: 5.44" (138 mm)
- diameter: 2.50" (64 mm)
- hex size: 2" (51 mm)

## Nozzles

| Female NPT | Description                | Anodized Aluminum Part # |
|------------|----------------------------|--------------------------|
| 1"         | red nozzle with plug       | <b>HFN-P1</b>            |
|            | gold nozzle with plug      | <b>HFN-P2</b>            |
|            | teal nozzle with plug      | <b>HFN-P3</b>            |
|            | violet nozzle with plug    | <b>HFN-P4</b>            |
|            | navy nozzle with plug      | <b>HFN-P5</b>            |
|            | copper nozzle with plug    | <b>HFN-P6</b>            |
|            | blue/gray nozzle with plug | <b>HFN-P7</b>            |

## Receivers

| Male NPT | Description                 | Anodized Aluminum Part # |
|----------|-----------------------------|--------------------------|
| 1"       | red receiver with cap       | <b>HFR-C1</b>            |
|          | gold receiver with cap      | <b>HFR-C2</b>            |
|          | teal receiver with cap      | <b>HFR-C3</b>            |
|          | violet receiver with cap    | <b>HFR-C4</b>            |
|          | navy receiver with cap      | <b>HFR-C5</b>            |
|          | copper receiver with cap    | <b>HFR-C6</b>            |
|          | blue/gray receiver with cap | <b>HFR-C7</b>            |

## FloMAX Part Number Cross Reference

## Standard Series Connectors

| Dixon®<br>Part #                | Caterpillar®<br>Part # | Wiggins<br>Part # |
|---------------------------------|------------------------|-------------------|
| Engine Oil Nozzles              |                        |                   |
| ENBL                            | 9S9273                 | OS2               |
| ENBL-P                          | ---                    | OSP2              |
| ENBL-PLUG                       | 9S9274                 | OP-12             |
| ERJ                             | ---                    | ON6               |
| Engine Oil Receivers            |                        |                   |
| ERS                             | 9S9271                 | ON2               |
| ERS-C                           | ---                    | ONC2A             |
| ERS-CAP                         | 9S9272                 | O3B12P            |
| Coolant Fluid Nozzles           |                        |                   |
| CN                              | 108-5455               | EC280B8           |
| CN-P                            | ---                    | ---               |
| CN-PLUG                         | 108-5456               | 1209-8            |
| Coolant Fluid Receivers         |                        |                   |
| CR-S                            | IQ5459                 | EC285A8           |
| CR-C                            | ---                    | ---               |
| CR-CAP                          | 5P3587                 | 1208-8            |
| Hydraulic Oil Nozzles           |                        |                   |
| HN                              | 108-5433               | 6000B12           |
| HN-P                            | ---                    | ---               |
| HN-PLUG                         | ---                    | 6009-12           |
| Hydraulic Oil Receivers         |                        |                   |
| HR                              | 108-5454               | 6005A12           |
| HR-C                            | ---                    | ---               |
| HR-CAP                          | IQ-5468                | 6008-12           |
| Transmission Fluid<br>Nozzles   |                        |                   |
| TN                              | 126-7538               | C-1807            |
| TN-P                            | ---                    | ---               |
| TN-PLUG                         | ---                    | P-1844            |
| Transmission Fluid<br>Receivers |                        |                   |
| TR                              | 108-5456               | P-1804            |
| TR-C                            | ---                    | ---               |
| TR-CAP                          | SP3587                 | P-1880            |

## Fuel Vent Series

| Dixon®<br>Part # | Caterpillar®<br>Part # | Wiggins<br>Part # |
|------------------|------------------------|-------------------|
| VT               | 6G7803                 | ZV10              |
| VT7              | ---                    | ZV10F             |
| VT9              | ---                    | ZV10              |
| VTT              | 5V6106                 | ZV10C             |
| VT-C             |                        | ZV10A             |
| VT-A-7           | 9G01965                | ZV11              |
| VT-A-9           | 4T1314                 | ZV11A             |

## R Series Connectors

| Dixon®<br>Part #                | Caterpillar®<br>Part # | Wiggins<br>Part # |
|---------------------------------|------------------------|-------------------|
| Engine Oil Nozzles              |                        |                   |
| R-EN                            | ---                    | R15               |
| R-EN-P                          | ---                    | ---               |
| R-EN-PLUG                       | ---                    | R1507             |
| Engine Oil Receivers            |                        |                   |
| R-ER                            | ---                    | R16               |
| R-ER-C                          | ---                    | ---               |
| R-ER-CAP                        | ---                    | R1605             |
| Coolant Fluid Nozzles           |                        |                   |
| R-CN                            | ---                    | R11               |
| R-CN-P                          | ---                    | ---               |
| R-CN-PLUG                       | ---                    | R1107             |
| Coolant Fluid Receivers         |                        |                   |
| R-CR                            | ---                    | R12               |
| R-CR-C                          | ---                    | ---               |
| R-CR-CAP                        | ---                    | R1205             |
| Hydraulic Oil Nozzles           |                        |                   |
| R-HN                            | ---                    | R17               |
| R-HN-P                          | ---                    | ---               |
| R-HN-PLUG                       | ---                    | R1707             |
| Hydraulic Oil Receivers         |                        |                   |
| R-HR                            | ---                    | R18               |
| R-HR-C                          | ---                    | ---               |
| R-HR-CAP                        | ---                    | R1805             |
| Transmission Fluid<br>Nozzles   |                        |                   |
| R-TN                            | ---                    | R13               |
| R-TN-P                          | ---                    | ---               |
| R-TN-PLUG                       | ---                    | R1307             |
| Transmission Fluid<br>Receivers |                        |                   |
| R-TR                            | ---                    | R14               |
| R-TR-C                          | ---                    | ---               |
| R-TR-CAP                        | ---                    | R1405             |

## Diesel Fueling System

| Dixon® Part # | Caterpillar®<br>Part # | Wiggins<br>Part # |
|---------------|------------------------|-------------------|
| Nozzles       |                        |                   |
| FN600         | ---                    | ZZF150            |
| FN600BL       | ---                    | ZZ9A1             |
| FN600B-PLUG   | ---                    | ---               |
| Receivers     |                        |                   |
| FRS           | 2G9000                 | ZN2A              |
| FRS-C         | ---                    | ZNC2A             |
| FRA           | ---                    | ZN2A              |
| FRA-C         |                        | ZNC2A             |
| FR-CAP        | 0D0630                 | ZC20P             |
| FR2           | 9D0630                 | ---               |
| FR2-C         | ---                    | ---               |
| FR2-R         | ---                    | ---               |
| GFR-0         | ---                    | ZN6A              |
| GFR-45        | ---                    | ---               |
| GFR-90        | ---                    | ZN6B              |
| GFR1-0        | ---                    | ZN6B              |
| GFR1-45       | ---                    | ---               |
| GFR1-90       | ---                    | ZN6B              |
| FNS           | ---                    | ZS9               |
| FNS2          | ---                    | ---               |
| FN600S        | ---                    | ---               |
| BFN           |                        | ZS5               |
| BH-F          |                        |                   |
| FNS10         | ---                    | ---               |
| FR-SOCKET     |                        |                   |
| BH-W          |                        |                   |

## API Couplers

## Features:

- completely modular coupler can be built with various face seal combinations to be compatible with different alternative fuel / performance levels and applications
- 4" TTMA inlet mounting flange
- 5 cam design for easy alignment and tight connection
- ball-end handle for easy, comfortable operation
- no special tools needed for maintenance
- shaft seals can be changed without removing coupler from loading arm
- link, shaft, pin and crank: hardened 17-4PH stainless steel
- cam: stainless steel
- weight: 20 lbs.
- 5300, 5300B, 5300BC, 5300BCL: maximum working pressure **150 PSI**
- 5300G: maximum working pressure **100 PSI**
- 5400: maximum working pressure **75 PSI**
- peak surge pressure: **350 PSI**
- maximum flow rate: 600 GPM, (2271 LPM)
- pressure drop: **3 to 4 PSI**
- seal color code: FKM - brown dot; FKM B - yellow dot, FKM GFLT - green dot
- replacement parts are available, contact Dixon®



## API Couplers with Bonded Nose Seal

| Seal Material                           | Operating Temperature                  | Part #                     |
|---|--|----------------------------|
| <i>Buna</i>                             | <b>-20°F to 250°F (-29°C to 121°C)</b> | <b>5300</b>                |
| <i>FKM-B</i>                            | <b>-10°F to 400°F (-23°C to 204°C)</b> | <b>5300B</b>               |
| <i>FKM-GFLT</i>                         | <b>-20°F to 400°F (-29°C to 204°C)</b> | <b>5300G</b>               |
| <i>FKM-B with stainless wave spring</i> | <b>-10°F to 400°F (-23°C to 204°C)</b> | <b>5300BC <sup>1</sup></b> |
| <i>FKM-B with stainless wave spring</i> | <b>-10°F to 400°F (-23°C to 204°C)</b> | <b>5300BCL</b>             |

<sup>1</sup> stainless steel internal springs and is recommended for crude oil service

## API Couplers with Replaceable Nose Seal

| Seal Material   | Operating Temperature                  | Part #       |
|-----------------|--|--------------|
| <i>Buna</i>     | <b>-20°F to 250°F (-29°C to 121°C)</b> | <b>5400</b>  |
| <i>FKM-B</i>    | <b>-10°F to 400°F (-23°C to 204°C)</b> | <b>5400B</b> |
| <i>FKM-GFLT</i> | <b>-20°F to 400°F (-29°C to 204°C)</b> | <b>5400G</b> |



## API Coupler Locking Handle Repair Kit

| Description                                 | Part #         |
|---|----------------|
| locking handle kit for 5300BC rack couplers | <b>5354K21</b> |

## API Load Only Valves

## Application:

- used for bottom loading and unloading of petroleum tankers, typically mounted to the piping below each tank compartment using the built-in 4" TTMA flange connection

## Features:

- unique fluid flow sight level
- ergonomically curved handle operates on a short 62° degree stroke
- Nose ring is anodized hard coat aluminum, which in most applications will provide years of trouble free service. Nose ring can be rotated to provide a fresh connection surface.



| Description   | Part #           |
|---|------------------|
| load only API valve without sight glass, ALH nose ring  | <b>5204LNG</b>   |
| load only API valve without sight glass, Baylast™ seal, stainless steel springs                         | <b>5204LSNG</b>  |
| load only API valve without sight glass, Baylast™ seal, stainless steel springs with ½" FNPT drain port | <b>5204LSNGP</b> |



## API Load/Unload Valves

| Description   | Part #        |
|---|---------------|
| load/unload API valve with sight glass, fixed handle, ALH nose          | <b>5204</b>   |
| load/unload API valve, without sight glass, fixed handle, Baylast™ seal | <b>5204NG</b> |



## API Drop Adapters

### Application:

- for offloading through an API adapter

| Adapter Size | Coupler Size | Description               | Aluminum Part # |
|--------------|--------------|---------------------------|-----------------|
| 3"           | 4" API       | with Baylast™ O-ring seal | <b>4530</b>     |
| 4"           | 4" API       | with Baylast™ O-ring seal | <b>4540</b>     |
| 4"           | 4" API       | with Buna-N O-ring seal   | <b>4540F</b>    |



### API Drop Adapters with Sight Glass

| Adapter Size | Coupler Size | Description                                      | Aluminum Part # |
|--------------|--------------|--|-----------------|
| 3"           | 4" API       | with inline sight glass and Baylast™ flat gasket | <b>4530SG</b>   |
| 4"           | 4" API       | with inline sight glass and Baylast™ flat gasket | <b>4540SG</b>   |



### API Gravity Drop Adapters

| Adapter Size | Coupler Size | Description           | Aluminum Part #    |
|--------------|--------------|-----------------------|--------------------|
| 3"           | 4" API       | with flat Buna gasket | <b>31440-225AL</b> |
| 4"           | 4" API       | with flat Buna gasket | <b>41440-225AL</b> |



### API Drop Adapter Repair Kits

| Description  | Part #            |
|--|-------------------|
| replacement cam arms, pins and Baylast™ O-ring seal (standard)   | <b>4500RK</b>     |
| replacement cam arms, pins and FKM O-ring seal (optional)        | <b>4500RK-V</b>   |
| replacement 18" chain and S hook                                 | <b>5205-RK4</b>   |
| sight glass repair kit (fits 3" and 4")                          | <b>4540SG-RK1</b> |
| flat replacement Baylast gasket for 4530SG, 4540SG               | <b>4540SG-RK2</b> |
| replacement cam arms and pins (fits 3" and 4")                   | <b>4540SG-RK3</b> |
| Baylast O-ring replacement seal for 4530, 4540, 5000-24          | <b>4500-5</b>     |
| flat replacement gasket for 31440-225AL, 41440-225AL, 41450-DCAL | <b>2143SEALBU</b> |



4540SG-RK1

## API Dust Caps

| Size   | Description                                  | Aluminum Part #   | Optional Qty |
|--------|--|-------------------|--------------|
| 4" API | with flat Buna gasket and brass cam arms     | <b>41450-DCAL</b> | 5            |
|        | with O-ring Baylast™ seal and brass cam arms | <b>5000-24</b>    | 10           |
|        | with locking arms                            | <b>5000-24L</b>   | 1            |



with cam arms

| Adapter Size | Description  | Nylon Part #   | Optional Qty |
|--------------|--|----------------|--------------|
| 4" API       | with flat Buna seal and plated steel pad lockable roller lever | <b>5000-25</b> | 20           |



with locking arms

## Gravity Drop Adapter Dust Caps




4540DC



4540DC-1200

**Features:**

- designed to fit on any 4" cam and groove adapter, specifically 4" gravity drop adapters
- reduce weight
- easy Pull Off / Push On operation
- Buna gasket
- NOT intended to be pressurized 

| Size | Black Nylon<br>Part #          |
|------|--------------------------------|
| 4"   | <b>4540DC</b>                  |
| 4"   | <b>4540DC-1200<sup>1</sup></b> |

<sup>1</sup> supplied with chain

## Dixon Bayco Adapter with Grounding Tab



| Size | Description                     | 356T6 Aluminum<br>Part # |
|------|---------------------------------|--------------------------|
| 4"   | male adapter with grounding tab | <b>400-E-ALGT</b>        |

## Dixon Bayco Coupler with Grounding Tab



| Size | Description                       | 356T6 Aluminum<br>Part # |
|------|-----------------------------------|--------------------------|
| 4"   | female coupler with grounding tab | <b>400-C-ALGT</b>        |

## API Compatible Loading Rack Cords

## Features:

- highly visible safety orange jacket meets trip hazard requirements
- cord is bonded mechanically and resistant to abrasion and oil
- Cord sets are interchangeable with Scully and Civacon. All wiring is compatible with standard Scully color codes and wiring number configurations. The 9 pin conductor is shielded to be compatible with Scully VIP system.
- plug body is reinforced nylon and is color coded Optic Blue or Thermistor Green
- button contacts are 316 stainless steel to prevent corrosion or galling
- all other hardware is stainless steel

## API Optic Cord Assemblies

| Description   | Part #        |
|---|---------------|
| plug with 30' coiled cable, 6 contact pins, 3 J slots           | <b>FT620</b>  |
| plug with 20' straight cable, 6 contact pins, 3 J slots         | <b>FT620S</b> |
| plug with 30' coiled cord, 6 contact pins, 3 J slots, J560 plug | <b>FT620P</b> |
| replacement plug assembly with 6 contact pins, 3 J slots        | <b>FT621</b>  |
| replacement 30' coiled cable, optic 6 conductor                 | <b>FT622</b>  |
| plug storage hanger   | <b>FT623</b>  |
| replacement 20' straight cord, optic 6 conductor                | <b>FT624</b>  |



FT620

## API Thermistor Cord Assemblies

| Description   | Part #          |
|---|-----------------|
| plug with 30' coiled cable, 8 contact pins, 2 J slots                         | <b>FT600</b>    |
| plug with 30' coiled cable, 8 contact pins, 2 J slots, 13 pin connector       | <b>FT600P</b>   |
| plug with 30' coiled cord, 10 contact pins, 2 J slots (for Canada)            | <b>FT600C</b>   |
| plug with 20' straight cable, 8 contact pins, 2 J slots                       | <b>FT600S</b>   |
| plug with 20' straight cable, Thermistor conductor, 8 contact pins, 4 J slots | <b>FT600S-4</b> |
| plug with 30' coiled cable, 10 contact pins, 4 J slots                        | <b>FT600CP</b>  |
| plug with 20' straight cable, 10 contact pins, 4 J slots (for Canada)         | <b>FT600SC</b>  |
| replacement plug assembly with 8 contact pins, 2 J slots                      | <b>FT601</b>    |
| replacement plug assembly with 10 contact pins, 4 J slots (for Canada)        | <b>FT601-10</b> |
| replacement 30' coiled cable, Thermistor 10 conductor                         | <b>FT602</b>    |
| plug storage hanger   | <b>FT603</b>    |
| replacement 20' straight cord, Thermistor 10 conductor                        | <b>FT604</b>    |



FT600

- Rack cord part number competitor cross references can be found on the following page.

## API Rack Cord Assemblies

| FloTech™<br>Part # | Civacon<br>Part # | Scully<br>Part # | API        |       | Cord            |               | J-Slots |   |   | Pins |   |    | Breakaway Plug            |                                 |
|--------------------|-------------------|------------------|------------|-------|-----------------|---------------|---------|---|---|------|---|----|---------------------------|---------------------------------|
|                    |                   |                  | Thermistor | Optic | 20'<br>Straight | 30'<br>Coiled | 2       | 3 | 4 | 6    | 8 | 10 | Optic<br>J560<br>Aluminum | Thermistor<br>13 Pin<br>Plastic |
| <b>FT600</b>       | 7300SR-7300       | 21818            | ✓          |       |                 | ✓             | ✓       |   |   |      | ✓ |    |                           |                                 |
| <b>FT600-4</b>     |                   |                  | ✓          |       |                 | ✓             |         |   | ✓ |      | ✓ |    |                           |                                 |
| <b>FT600C</b>      | 7300CSR-7300      | 31092            | ✓          |       |                 | ✓             |         |   | ✓ |      |   | ✓  |                           |                                 |
| <b>FT600C-2</b>    | 7300C-7300        |                  | ✓          |       |                 | ✓             | ✓       |   |   |      |   | ✓  |                           |                                 |
| <b>FT600P</b>      | 7320SR-7320       |                  | ✓          |       |                 | ✓             | ✓       |   |   |      | ✓ |    |                           | ✓                               |
| <b>FT600P-4</b>    |                   |                  | ✓          |       |                 | ✓             |         |   | ✓ |      | ✓ |    |                           | ✓                               |
| <b>FT600S</b>      | 7300-STRAIGHT     | 20830            | ✓          |       | ✓               |               | ✓       |   |   |      | ✓ |    |                           |                                 |
| <b>FT600SC</b>     | 7300C-STRAIGHT    |                  | ✓          |       | ✓               |               |         |   | ✓ |      |   | ✓  |                           |                                 |
| <b>FT600CP</b>     |                   |                  | ✓          |       |                 | ✓             |         |   | ✓ |      |   | ✓  |                           | ✓                               |
| <b>FT600SP</b>     |                   |                  | ✓          |       |                 |               | ✓       |   |   |      | ✓ |    |                           | ✓                               |
| <b>FT605C</b>      |                   |                  |            | ✓     |                 | ✓             |         |   | ✓ | ✓    |   |    |                           |                                 |
| <b>FT620</b>       | 7100SR-7100       | 21831            |            | ✓     |                 | ✓             |         | ✓ |   | ✓    |   |    |                           |                                 |
| <b>FT620P</b>      | 7100-J560         |                  |            | ✓     |                 | ✓             |         | ✓ |   | ✓    |   |    | ✓                         |                                 |
| <b>FT620X620</b>   |                   |                  |            | ✓     |                 | ✓             |         | ✓ |   | ✓    |   |    |                           |                                 |
| <b>FT620S</b>      | 7100-STRAIGHT     | 21764            |            | ✓     | ✓               |               |         | ✓ |   | ✓    |   |    |                           |                                 |

## API Rack Cord Parts

| FloTech™<br>Part # | Civacon<br>Part # | Scully Part # | API        |       | Cord            |               | J-Slots |   |   | Pins |   |    |
|--------------------|-------------------|---------------|------------|-------|-----------------|---------------|---------|---|---|------|---|----|
|                    |                   |               | Thermistor | Optic | 20'<br>Straight | 30'<br>Coiled | 2       | 3 | 4 | 6    | 8 | 10 |
| <b>FT601</b>       | 7310SR-7310       |               | ✓          |       |                 |               | ✓       |   |   |      | ✓ |    |
| <b>FT601-4</b>     |                   |               | ✓          |       |                 |               |         |   | ✓ |      | ✓ |    |
| <b>FT601-10</b>    |                   |               | ✓          |       |                 |               |         |   | ✓ |      |   | ✓  |
| <b>FT602</b>       |                   |               | ✓          |       |                 | ✓             |         |   |   |      |   |    |
| <b>FT603</b>       | 7350-7350         |               | ✓          |       |                 |               |         |   | ✓ |      |   |    |
| <b>FT604</b>       |                   |               | ✓          |       | ✓               |               |         |   |   |      |   |    |
| <b>FT621</b>       | 7110SR-7110       | 21766         |            | ✓     |                 |               |         | ✓ |   | ✓    |   |    |
| <b>FT622</b>       | 7220-7220         | 31099         |            | ✓     |                 |               |         | ✓ |   |      |   |    |
| <b>FT623</b>       | 7150-7150         |               |            | ✓     |                 |               |         | ✓ |   |      |   |    |
| <b>FT624</b>       |                   | 31098         |            | ✓     | ✓               | ✓             |         |   |   |      |   |    |



## FloTech™ FT590 Series Rack Monitor Testers



FT590TG

| Description  | Part #          |
|--|-----------------|
| rack tester with grounding bolt                                | <b>FT590TG</b>  |
| rack tester thermistor   | <b>FT590TGT</b> |
| rack tester with ground bolt                                   | <b>FT590OG</b>  |
| rack tester with ground bolt and Trailer Identification Module | <b>FT590OGT</b> |



## Dixon® Vapor Recovery Couplers

- not intended for liquid service, for vapor recovery *only* 

### Materials:

- body: cast aluminum
- arms: bronze with stainless steel pins
- finger rings: plated carbon steel
- gasket: Buna-N

### Coupler with Probe x Adapter

| Coupler Size | Adapter Size | 356T6 Aluminum<br>Part # |
|--------------|--------------|--------------------------|
| 4"           | 3"           | <b>4030-DAVR-AL</b>      |




### Coupler with Probe x Coupler with Probe

| Coupler Size | Coupler Size | 356T6 Aluminum<br>Part # |
|--------------|--------------|--------------------------|
| 4"           | 4"           | <b>400-DDVR-AL</b>       |



### Coupler with Probe x Hose Shank


#### Applications:

- for use with 3" vapor hose
- not intended for liquid service, for vapor recovery *only* 

#### Materials:

- cast aluminum body
- arms : bronze
- pins and finger rings: stainless steel
- gasket: Buna-N

#### Features:

- VR4030CS-AL has an FKM O-ring poppet seal
- Dixon® replacement handle assemblies will not work on these fittings, contact Dixon® for replacements. 



VR4030CS-AL


| Coupler Size | Hose Shank Size | Description            | Part #                          |
|--------------|-----------------|------------------------|---------------------------------|
| 3"           | 3"              | ---                    | <b>VRC3000AL</b>                |
| 4"           | 2"              | ---                    | <b>4020-CVR-AL</b>              |
| 4"           | 3"              | no poppet              | <b>4030-CVR-AL</b>              |
| 4"           | 3"              | poppet                 | <b>VR4030CS-AL</b> <sup>1</sup> |
| 4"           | 3"              | floating bridge poppet | <b>VR4030CS-SH</b> <sup>2</sup> |
| 4"           | 4"              | no poppet              | <b>400-CVR-AL</b>               |
| 4"           | 4"              | floating bridge poppet | <b>VR4040CS-AL</b> <sup>2</sup> |



VRC.3000AL



4030-CVR-AL

<sup>1</sup> interchanges with all competitor vapor valves except Civacon #633LVH (special bulb design). 

<sup>2</sup> superior interface with air interlock

### Repair Kits

| Description   | Part #             |
|---|--------------------|
| seal repair kit: gasket, machine screw and FKM O-ring | <b>VR4040CSRK1</b> |
| cam arm repair kit: paddle arm and cam arm pin        | <b>VR4040CSRK2</b> |

## Dixon® Vapor Recovery

## Couplers

## Material:

- seal: Buna N and FKM

## Features:

- 'floating bridge' poppet design allows optimal flow
- machined hose shank ensures easier insertion into hose and better sealing
- durable, easy to couple stainless cam arms
- big wings ensure contact with air interlock button on tanker helping prevent drive-offs
- change poppet seal without removing the coupler from the hose
- secure to hose with traditional band clamps or built in crimp collar
- 4" MNPT version allows for either cam and groove or threaded flange option
- not intended for liquid service, for vapor recovery *only*



VR4030CS-AL45



VR4040CS-AL

| Coupler Size | Description                           | Aluminum Part #       |
|--------------|---------------------------------------|-----------------------|
| 4"           | 4" coupler x 4" hose shank            | <b>VR4040CS-AL</b>    |
|              | 4" coupler x 3" 45° hose shank        | <b>VR4030CS-AL45</b>  |
|              | 4" coupler x 4" 45° hose shank        | <b>VR4040CS-AL45</b>  |
|              | 4" coupler x 4" 45° hose shank swivel | <b>VR4040CS-ALS45</b> |
|              | 4" coupler x 4" MNPT connection       | <b>VR4040CS-4MNPT</b> |
|              | 4" coupler x 3" hose shank            | <b>VR4030CS-SH</b>    |

**NEW**  
**NEW**  
**NEW**

## Repair Kits

**NEW**



VRHK

| Description        | Part #             |
|--------------------|--------------------|
| handle kit         | <b>VRHK</b>        |
| compact handle kit | <b>VRHK-C</b>      |
| seal repair kit    | <b>VR4040CSRK1</b> |
| cam arm repair kit | <b>VR4040CSRK2</b> |

## Coupler x Female NPT

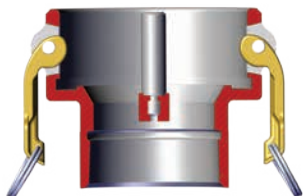


- not intended for liquid service, for vapor recovery *only*



## Materials:

- body: cast aluminum
- arms: bronze with stainless steel pins
- finger rings: plated carbon steel
- gasket: Buna-N



| Coupler Size | Female NPT Size | 356T6 Aluminum Part # |
|--------------|-----------------|-----------------------|
| 4"           | 3"              | <b>4030-DVR-AL</b>    |
|              | 4"              | <b>400-DVR-AL</b>     |

## Tank Truck Flanged Tee

| Size | 356T6 Aluminum<br>Part # |
|------|--------------------------|
| 4"   | <b>400-TLT-AL</b>        |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).



## TTMA Series Flange Adapters

### Features:

- simply and easily converts threaded components to a standard TTMA flange configuration
- solid cast lightweight aluminum design is more durable than welded fabrications
- design improves flow through adapter
- compact size reduces the overall space needed to install

### TTMA Flange x Male NPT Adapters

| TTMA Flange | Male NPT | Overall Length | Aluminum<br>Part # |
|-------------|----------|----------------|--------------------|
| 3"          | 3"       | 2½"            | <b>TTF3AL-3MT</b>  |
| 4"          | 3"       | 2½"            | <b>TTF4AL-3MT</b>  |
| 4"          | 4"       | 2½"            | <b>TTF4AL-4MT</b>  |



### TTMA Flange x Extended Length Male NPT Adapters

| TTMA Flange | Male NPT | Overall Length | Aluminum<br>Part # |
|-------------|----------|----------------|--------------------|
| 4"          | 3"       | 5½"            | <b>TTF4AL-3EMT</b> |
|             | 4"       | 5½"            | <b>TTF4AL-4EMT</b> |



### TTMA Flange x Female NPT Adapter

| TTMA Flange | Female NPT | Overall Length | Aluminum<br>Part # |
|-------------|------------|----------------|--------------------|
| 4"          | 3"         | 2½"            | <b>TTF4AL-3FT</b>  |
|             | 4"         | 2½"            | <b>TTF4AL-4FT</b>  |



### TTMA Slip-on Socket Weld Flange

| TTMA Flange | Pipe Size | 356T6 Aluminum<br>Part # |
|-------------|-----------|--------------------------|
| 4"          | 4"        | <b>TTF400SP</b>          |



### TTMA Slip-on Plate Flange

| TTMA Flange | Pipe Size | Aluminum<br>Part # |
|-------------|-----------|--------------------|
| 4"          | 4"        | <b>TTMA-64</b>     |



### TTMA Buttweld Flange

| TTMA Flange | Pipe Size | Thickness | Aluminum<br>Part # |
|-------------|-----------|-----------|--------------------|
| 3"          | 4"        | ⅜"        | <b>TTF3AL</b>      |
| 4"          | 4"        | ⅜"        | <b>TTF4AL</b>      |



- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Tank Truck Fittings: TTMA Flange Adapter

## TTMA Flange Spacer with ½" Port



| Size | Description                           | Aluminum Part #     |
|------|---------------------------------------|---------------------|
| 4"   | flange spacer with ½" female NPT port | <b>TTFS4AL-FP50</b> |

## TTMA Flange Extensions

## Application:

- used on load arms to connect an API load coupler to a load arm

## Features:

- adds a 6" space between the load arm and the tank truck
- extension with groove provides a specified parting point to prevent excessive damage to the loading arm



TETF4AL



TETFG4AL

| Size | Description                                   | Aluminum Part #    |
|------|---|--------------------|
| 4"   | TTMA flange extension                         | <b>TETF4AL</b>     |
| 4"   | TTMA flange extension with groove             | <b>TETFG4AL</b>    |
| 4"   | TTMA flange extension with ½" female NPT port | <b>TETF4ALFP50</b> |

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## Cam &amp; Groove Adapter x TTMA Flange

## Features:

- aluminum flanges have a flat face, stainless flanges have a raised face
- reference dixonvalve.com for flange drilling standards
- pressure rating is based on the seal of the mating part, see ratings on pages 123 - 124



| Size    | 356T6 Aluminum Part # | 316 Stainless Steel Part #     |
|---------|-----------------------|--------------------------------|
| 3"      | <b>300-ALT-AL</b>     | <b>300-ALT-SS</b> <sup>1</sup> |
| 3" x 4" | <b>3040ALTAL</b>      | ---                            |
| 4"      | <b>400-ALT-AL</b>     | <b>400-ALT-SS</b> <sup>1</sup> |
| 6"      | <b>600-ALT-AL</b>     | ---                            |

<sup>1</sup> parts are produced as a welded fabrication

## Cam &amp; Groove Coupler x TTMA Flange

## Features:

- supplied standard with a Buna-N gasket, other gaskets available on pages 167 - 169
- use Dixon® replacement handles only



| Size    | 356T6 Aluminum Part # |
|---------|-----------------------|
| 3"      | <b>300-DLT-AL</b>     |
| 3" x 4" | <b>3040DLTAL</b>      |
| 4"      | <b>400-DLT-AL</b>     |
| 6"      | <b>600-DLT-AL</b>     |

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## Cam &amp; Groove 22½° Adapter x TTMA Flange

## Feature:

- pressure rating is based on the seal of the mating part, see ratings on page 123 - 124



| Size | 356T6 Aluminum Part # |
|------|-----------------------|
| 4"   | <b>40022ALTAL</b>     |

## Cam &amp; Groove 22½° Coupler x TTMA Flange

## Features:

- supplied standard with a Buna-N gasket, other gaskets available on pages 167 - 169
- use Dixon® replacement handles only



| Size | 356T6 Aluminum Part # |
|------|-----------------------|
| 4"   | <b>40022DLTAL</b>     |

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



## TTMA Flange Gaskets

| Size | OD       | ID      | Thick. | Material                          | Part #           |
|------|----------|---------|--------|-----------------------------------|------------------|
| 3"   | 5-5/8"   | 3-1/2"  | 1/8"   | Cork / Buna                       | <b>300GTTFCB</b> |
|      | 5-5/8"   | 3-1/2"  | 1/16"  | PTFE envelope with Klinger filler | <b>300GTTFTK</b> |
|      | 5-5/8"   | 3-1/2"  | 1/8"   | Klingersil® C-4300                | <b>300GTTFK</b>  |
|      | 5-29/32" | 3-1/2"  | 3/32"  | PTFE with fiber core              | <b>40321TF</b>   |
|      | 7-1/4"   | 5"      | 5/32"  | PTFE with soft fiber core         | <b>40364TF</b>   |
|      | 7-1/4"   | 5"      | 1/8"   | Baylast™                          | <b>40364BL</b>   |
|      | 5-5/8"   | 3-5/8"  | 1/8"   | Baylast™                          | <b>300GTTFBL</b> |
| 4"   | 6-5/8"   | 4-9/16" | 1/8"   | Cork / Buna                       | <b>400GTTFCB</b> |
|      | 6-5/8"   | 4-9/16" | 1/16"  | PTFE envelope with Klinger filler | <b>400GTTFTK</b> |
|      | 6-5/8"   | 4-9/16" | 1/8"   | Klingersil® C-4401                | <b>400GTTFK</b>  |
|      | 6-7/8"   | 4-9/16" | 3/32"  | PTFE with fiber core              | <b>40322TF</b>   |
|      | 8-3/8"   | 5-7/8"  | 5/32"  | PTFE with soft fiber core         | <b>40323TF</b>   |
|      | 8-1/4"   | 5-7/8"  | 1/8"   | Baylast™                          | <b>40323BL</b>   |
|      | 6-5/8"   | 4-5/8"  | 1/8"   | Baylast™                          | <b>400GTTFBL</b> |



- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Sight Flow Indicators

### Features:

- Due to the proprietary blending of petroleum products, Dixon® recommends that thermoplastic tubing and gaskets be immersion tested in the product to be handled to ensure compatibility (not compatible with crude oil).
- for dimensional information on tank truck flange drilling reference [dixonvalve.com](http://dixonvalve.com)
- maximum flange bolt torque is 200 in-lb (inch pounds)



## TTMA Flanged Short Sight Flow Indicators

### Features:

- durable cast aluminum housing, replaces competitions all acrylic sight glass as commonly found on tank trucks
- allows for visual identification of the fuel grade prior to opening the valve
- works with tank truck flanged butterfly valves found on gasoline trucks
- low cost sight glass tube can be easily replaced
- rated to **150 PSI**

| Size | Width  | Aluminum Part #   |
|------|--------|-------------------|
| 3"   | 1 3/4" | <b>5200-SFI-3</b> |
| 4"   | 1 3/4" | <b>5200-SFI</b>   |



## TTMA Flanged Sight Flow Indicators

### Features:

- allows for visual identification of the fuel grade prior to opening the valve
- works with tank truck flanged butterfly valves found on gasoline trucks
- larger ID 4 3/8" flow indicator allows tank truck flanged butterfly valves to connect to either end of the indicator
- pressure rating: **150 PSI**

| Size | Width  | ID     | Aluminum Part # |
|------|--------|--------|-----------------|
| 4"   | 3 1/4" | 4 3/8" | <b>5201-SFI</b> |



### Features:

- allows for visual identification of the fuel grade prior to opening the valve
- 4" flow diameter

| Size | ID     | Aluminum Part #  |
|------|--------|------------------|
| 4"   | 4 3/8" | <b>4-1460-AL</b> |



- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## TTMA Flanged Sight Flow Indicators



| Size | Nominal Width | Acrylic Part #                |
|------|---------------|-------------------------------|
| 3"   | 1 3/4"        | <b>TT3ASG</b>                 |
| 4"   | 1 3/4"        | <b>TT4ASG</b>                 |
| 3"   | 1 3/4"        | <b>TT3ASG-ETH<sup>1</sup></b> |
| 4"   | 1 3/4"        | <b>TT4ASG-ETH<sup>1</sup></b> |

### Optically Enhanced Sight Glass

| Size | Nominal Width | Acrylic Part #                  |
|------|---------------|---------------------------------|
| 3"   | 1 3/4"        | <b>TT3ASGOE</b>                 |
| 4"   | 1 3/4"        | <b>TT4ASGOE</b>                 |
| 3"   | 1 3/4"        | <b>TT3ASG-ETHOE<sup>1</sup></b> |
| 4"   | 1 3/4"        | <b>TT4ASG-ETHOE<sup>1</sup></b> |

<sup>1</sup> for use with ethanol

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

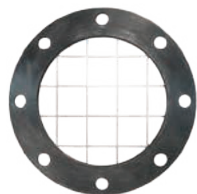
## Sight Flow Indicator Repair Kits



5200-SFIV-RK1

| Description   | Used on  | Part #                 |
|---|----------|------------------------|
| 3" replacement sight glass, Baylast™ O-ring and retainer ring kit | ---      | <b>5200-SFI-3-RK1</b>  |
| 3" replacement sight glass, FKM O-ring and retainer ring kit      | ---      | <b>5200-SFI-3V-RK1</b> |
| 4" replacement sight glass, Baylast™ O-ring and retainer ring kit | ---      | <b>5200-SFI-RK1</b>    |
| 4" replacement sight glass, FKM O-ring and retainer ring kit      | ---      | <b>5200-SFIV-RK1</b>   |
| replacement Baylast O-rings, sight glass and retaining ring       | 5201-SFI | <b>5201-SFI-RK1</b>    |
| Buna-N O-ring   | ---      | <b>O249BU</b>          |
| plexiglass insert   | ---      | <b>4PSG</b>            |
| Buna-N O-ring   | ---      | <b>O246BU</b>          |

## TTMA Flange Screen



### Feature:

- stainless steel screen is encapsulated in an FKM gasket

| Male NPT | Description                 | Stainless Steel Part # |
|----------|-----------------------------|------------------------|
| 2"       | screen with 1" square holes | <b>TTFS4SS</b>         |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

Betts Wet-R-Dri™ **Butterfly Valves****Application:**

- designed for handling liquid, gaseous or dry products

**Features:**

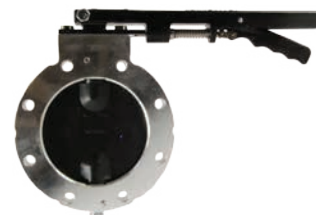
- has a positive stop in the open and closed position
- detent spring and ball assist in holding the disc in the open and closed position
- drilling fits TTMA recommended standards
- opens by turning hand ¼ turn counter clockwise
- temperature range: **0°F to 400°F (-18°C to 204°C)**

**Manual**

| Size | Maximum Working Pressure PSI | Extruded aluminum body with FKM-B disc<br>Part # |
|------|------------------------------|--|
| 3"   | <b>75</b>                    | <b>WD301ALVB</b>                                 |
| 4"   | <b>75</b>                    | <b>WD401ALVB</b>                                 |

**Metering**

| Size | Maximum Working Pressure PSI | Extruded aluminum body with FKM-B disc<br>Part # |
|------|------------------------------|--|
| 3"   | <b>75</b>                    | <b>WD304ALVB</b>                                 |
| 4"   | <b>75</b>                    | <b>WD404ALVB</b>                                 |



- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Tank Transport Equipment

## Fusible Pipe Caps



| Size | Stainless Steel <sup>1</sup><br>Part # | Aluminum<br>Part # | Iron<br>Part #    | Optional<br>Qty |
|------|--|--------------------|-------------------|-----------------|
| 3"   | <b>300-SFC-SS</b>                      | <b>300-SFC-AL</b>  | <b>300-SFC-MI</b> | 10              |

<sup>1</sup> PTFE gaskets are standard in stainless steel fittings.

## Pipe Caps



| Size | Stainless Steel <sup>1</sup><br>Part # | Aluminum<br>Part # | Iron<br>Part #   | Optional<br>Qty |
|------|--|--------------------|------------------|-----------------|
| 2"   | <b>200-PC-SS</b>                       | ---                | <b>200-PC-MI</b> | ---             |
| 3"   | <b>300-PC-SS</b>                       | <b>300-PC-AL</b>   | <b>300-PC-MI</b> | 10              |
| 4"   | <b>400-PC-SS</b>                       | ---                | ---              | ---             |

<sup>1</sup> PTFE gaskets are standard in stainless steel fittings.

## Reducers



| Female<br>NPSM | Male<br>NPT | Stainless Steel <sup>1</sup><br>Part # | Aluminum<br>Part # | Iron<br>Part #    | Optional<br>Qty |
|----------------|-------------|--|--------------------|-------------------|-----------------|
| 3"             | 2"          | <b>3020-RD-SS</b>                      | <b>3020-RD-AL</b>  | <b>3020-RD-MI</b> | 10              |
| 4"             | 3"          | <b>4030-RD-SS<sup>2</sup></b>          | <b>4030-RD-AL</b>  | ---               | ---             |

<sup>1</sup> PTFE gaskets are standard in stainless steel fittings.

<sup>2</sup> welded fabrication

## Reducing Cap



| Size    | Stainless Steel <sup>1</sup><br>Part # | Optional<br>Qty |
|---------|--|-----------------|
| 3" x 1" | <b>3010-RC-SS</b>                      | 10              |

<sup>1</sup> PTFE gaskets are standard in stainless steel fittings.

## Coupling Gaskets



Buna-N



PTFE

| Size | Buna-N<br>Part # | Opt<br>Qty | PTFE<br>Part #  | Opt<br>Qty |
|------|------------------|------------|-----------------|------------|
| 1½"  | ---              | --         | <b>150GPCTF</b> | --         |
| 2"   | <b>200GPCBU</b>  | 25         | <b>200GPCTF</b> | 10         |
| 3"   | <b>300GPCBU</b>  | 25         | <b>300GPCTF</b> | 25         |
| 4"   | ---              | --         | <b>400GPCTF</b> | --         |

## Intermodal Tank Transport

### Pipe Caps

| Size | Aluminum<br>Part # | Stainless Steel <sup>1</sup><br>Part # | Optional<br>Qty |
|------|--------------------|--|-----------------|
| 3"   | <b>300PCALAP</b>   | <b>300PCSSAP</b>                       | 10              |

<sup>1</sup> PTFE gaskets are standard in stainless steel fittings



### Thread Adapters

| Female BSPP | Male NPT | Stainless Steel <sup>1</sup><br>Part # |
|-------------|----------|--|
| 3"          | 2"<br>3" | <b>3020RDSSAP</b><br><b>3030RDSSAP</b> |

<sup>1</sup> PTFE gaskets are standard in stainless steel fittings



### Cam & Groove Adapter

| Size | Stainless Steel <sup>1</sup><br>Part # |
|------|--|
| 3"   | <b>300ASSAP</b>                        |

<sup>1</sup> PTFE gaskets are standard in stainless steel fittings

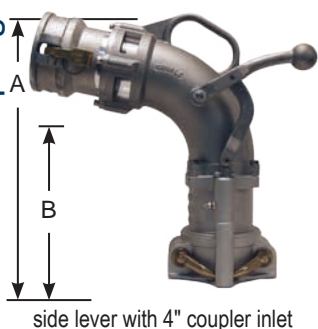




## 6200 Series Side Lever Type Drop Elbows

**Materials:**

- cast aluminum modular construction
  - handle and cam arms: brass with buna gasket
  - bolts on inlet end: stainless steel
  - sight glass: acrylic with buna seals
- for information on additional elbow configurations such as pre-assembled elbows, contact Dixon®



| Size | Inlet  | A<br>Overall<br>Height | B<br>Ground<br>Clearance | Aluminum<br>Part # |
|------|--|------------------------|--------------------------|--------------------|
| 4"   | elbow only, <i>without inlet connection</i>                        | 17¾"                   | 10⅞"                     | <b>6200</b>        |
|      | elbow with 4" adapter inlet  |                        |                          | <b>6200A</b>       |
|      | elbow with anti-spill sleeve, <i>without inlet connection</i>      |                        |                          | <b>6200T</b>       |
|      | elbow with 4" coupler inlet  |                        |                          | <b>6200D</b>       |
| 4"   | tall elbow only, <i>without inlet connection</i>                   | 21"                    | 13¾"                     | <b>6200X</b>       |
|      | tall elbow with 4" adapter inlet                                   |                        |                          | <b>6200XA</b>      |
|      | tall elbow with anti-spill sleeve, <i>without inlet connection</i> |                        |                          | <b>6200XT</b>      |
|      | tall elbow with 4" coupler inlet                                   |                        |                          | <b>6200XD</b>      |

## 6500 Series Self-Locking Drop Elbows



| Size | Inlet  | A<br>Overall<br>Height | B<br>Ground<br>Clearance | Aluminum<br>Part #         |
|------|--|------------------------|--------------------------|----------------------------|
| 4"   | tightfill elbow with locking handle                      | 17¾"                   | 10⅞"                     | <b>6500</b>                |
| 4"   | tightfill elbow with locking handle and 4" adapter inlet | 17¾"                   | 10⅞"                     | <b>6500A</b>               |
| 4"   | 3" tight fill elbow with 4" inlet adapter                | 15"                    | 9½"                      | <b>NEW</b><br><b>6530A</b> |
| 4"   | 3" tight fill elbow with 3" inlet adapter                | 15"                    | 9½"                      | <b>NEW</b><br><b>6530C</b> |

## Inlets

## Male Adapters



| Inlet Size | Aluminum<br>Part # |
|------------|--------------------|
| 3"         | <b>6000-16</b>     |
| 4"         | <b>6000-17</b>     |

## Female Couplers



| Inlet Size | Aluminum<br>Part # |
|------------|--------------------|
| 3"         | <b>6000-15</b>     |
| 4"         | <b>6000-14</b>     |

## Female NPT



| Inlet Size | Aluminum<br>Part # |
|------------|--------------------|
| 4"         | <b>6000-20</b>     |

## Dual Point Vapor Recovery Elbows - Ball Lever

### Materials:

- seals: buna
- hardware: stainless steel
- bronze locking arms housed in polymer bushings

### Features:

- for use in two point vapor recovery systems
- one-piece locking arms
- advanced design side lever locking system
- bolt on 3" male outlet included (**VR6000-6**) which can be rotated for extended life
- lubrication fitting on locking stem
- see below for 6400 series co-axial elbow for single point vapor recovery



| Description  | Aluminum Part # |
|--|-----------------|
| 3" male adapter with probe, without poppet valve   | <b>VR6200NP</b> |
| 3" male adapter outlet with probe and poppet valve | <b>VR6200</b>   |

### Adapter Inlet

| Description                       | Aluminum Part # |
|-----------------------------------|-----------------|
| outlet adapter with outlet O-ring | <b>VR6000-6</b> |



## Single Point Coaxial Drop Elbow

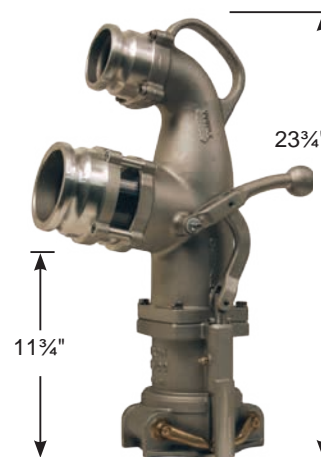
### Materials:

- arms: solid bronze
- sight glass: acrylic
- seals: buna

### Features:

- for single point vapor recovery only
- 3" male vapor outlet (top)
- comes assembled with 4" male inlet
- bolt-on inlets/outlets for easy, fast replacement
- replacement parts are available, please contact Dixon®
- 6400 co-axial inlets do not fit our other elbow series

| Inlet   | Outlet        | Aluminum Part # |
|---------|---------------|-----------------|
| 4" male | 3" male vapor | <b>6400</b>     |



## Coaxial Elbow Fuel Inlets

### Adapters

### Features:

- for use with 6400 series coaxial elbows only
- rated for petroleum service, Ethanol to E100 and biodiesel to B20

| Size | Aluminum Part # |
|------|-----------------|
| 3"   | <b>6000-16C</b> |
| 4"   | <b>6000-17C</b> |



### Couplers

### Features:

- for use with 6400 series coaxial elbows only
- rated for petroleum service, Ethanol to E100 and biodiesel to B20

| Size | Aluminum Part # |
|------|-----------------|
| 3"   | <b>6000-15C</b> |
| 4"   | <b>6000-14C</b> |



## Tight Fill Drop Elbows - Complete Unit

**Materials:**

- body: aluminum
- handle and cam arms: brass
- gasket: buna
- bolts on inlet end: steel
- sight flow insert: plexiglass

| Coupler Size | Inlet                              | Aluminum<br>Part #                    |
|--------------|------------------------------------|---------------------------------------|
| 3"           | 3" male adapter<br>4" male adapter | <b>300300MAE</b><br><b>3004030MAE</b> |

## Tight Fill Drop Elbow Coupler Body



| Size | Aluminum<br>Part # |
|------|--------------------|
| 3"   | <b>300-TFG</b>     |

## Tight Fill Male Adapter Inlet End



| Inlet | Aluminum<br>Part # |
|-------|--------------------|
| 3"    | <b>300-MAE</b>     |
| 4"    | <b>4030-MAE</b>    |

## Side Seal Drop Elbow

**Features:**

- for use with special 4" side seal style fill collars only
- modular, easy to repair, bolt together construction
- standard with acrylic sight glass with buna seals (2), bronze locking levers and buna main seal
- 4" male adapter inlet and lock ring installed
- replacement parts are available, contact Dixon®

| Size | Aluminum<br>Part # |
|------|--------------------|
| 4"   | <b>6000ASAL</b>    |

## Side Seal to Top Seal Adapter

**Features:**

- allows conventional elbows to be used with special side seal style fill collars
- bottom connects to side seal fill collar
- top section with standard 4" top seal collar profile accepts clamping of standard 4" drop elbows
- replacement parts are available, contact Dixon®

| Size | Aluminum<br>Part # |
|------|--------------------|
| 4"   | <b>6000-SSA</b>    |

## Dust Cap with Pull Handle for Hose Tubes

**Materials:**

- aluminum body
- cam arms (dust caps): brass
- seals: buna

**Features:**

- Pull handles make it easier for tanker operators to remove delivery hoses from the storage tubes; the operator simply grabs the handle and easily pulls the hose out of the storage tube.
- Rugged construction protects the hose coupling and adapter from damage during transportation and removal of hoses from the hose storage tube.
- prevents possible environmental issues due to leaking residue left in an open hose



4"

| Size | Aluminum<br>Part # |
|------|--------------------|
| 3"   | <b>300-DC-ALPH</b> |
| 4"   | <b>400-DC-ALPH</b> |

## Dust Plug with Pull Handle for Hose Tubes

Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



3"

| Size | Aluminum<br>Part # |
|------|--------------------|
| 3"   | <b>300-DP-ALPH</b> |
| 4"   | <b>400-DP-ALPH</b> |



4"

## Reelcraft® Static Discharge Reel

**Application:**

- Used to ground equipment in hazardous atmospheres, such as fuel trucks or carts transferring flammable materials. When properly clamped to ground, the static discharge reel dissipates static electrical buildup, reduced the chances of sparking and the potential for explosion.

**Features:**

- supplied with a 3/32" OD steel aircraft cable
- DC resistance is approximately one ohm per 50' of steel cable



| Description                   | Stranded Steel<br>Part # |
|-------------------------------|--------------------------|
| single 7" x 7" stranded steel | <b>G3050</b>             |

## TFA Series Fill Pipe Adapter

**Feature:**

- for use with 3" drop elbows (**300-TFG**)

| Adapter Size | Female NPT | Aluminum Hardcoat<br>Part # | Optional<br>Qty |
|--------------|------------|-----------------------------|-----------------|
| 3"           | 3"         | <b>300-TFA</b>              | 10              |

## Fuel Delivery Tank Adapters



with NPSM thread



with NPT thread

**Features:**

- for use with 4" drop and co-axial elbows (6200, 6400 and 6500 series)
- **BZ4051S** has NPSM thread and is supplied with a gasket

| Adapter Size | Female Thread | Height            | Bronze<br>Part # | Optional<br>Qty |
|--------------|---------------|-------------------|------------------|-----------------|
| 4"           | 4" NPSM       | 2 $\frac{3}{8}$ " | <b>BZ4051S</b>   | 5               |
|              | 4" NPT        | 3 $\frac{1}{2}$ " | <b>BZ4051</b>    | 5               |

## Vapor Recovery Tank Adapters

**Features:**

- for use with dual point vapor elbows (VR6200 series)
- can also be used as vapor valve on tanker but does not have air interlock mount
- poppeted vapor collar at station vapor outlet
- low profile design
- replacement parts are available, contact Dixon® for more information

| Adapter Size | Female Thread | Height            | Material    | Part #           | Optional Qty |
|--------------|---------------|-------------------|-------------|------------------|--------------|
| 4"           | 4" NPT        | 3 $\frac{5}{8}$ " | bronze      | <b>VR4086</b>    | 5            |
|              |               |                   | ZN-AL alloy | <b>VR4086-BY</b> | 5            |



## Vapor Caps

### Aluminum

**Features:**

- special locking cap for underground tank vapor outlet **VR4086** and tanker vapor valves
- bronze cam arms
- painted vapor recovery orange

| Size | Aluminum<br>Part # |
|------|--------------------|
| 4"   | <b>VR4050AL</b>    |



### Nylon

**Features:**

- centered 'T' handle allows for one-handed use and provides a solid locking mechanism
- strong and lightweight
- built-in locking feature
- corrosion resistant materials
- vapor recovery orange
- replacement parts are available, contact Dixon® for more information

| Size | Nylon<br>Part # |
|------|-----------------|
| 4"   | <b>VR4050PL</b> |



## Automatic Pressure / Vacuum Relief Caps

**Features:**

- normally closed, stops fuel evaporation and airborne contaminants
- lockable
- relieves pressure and vacuum buildup in fuel tanks

Note: Pressure/vacuum relief caps should be routinely inspected to ensure correct operation and particularly to ensure that the relieving components are free to move and that the air flow path is unblocked.



### for stationary fuel tanks

**Feature:**

- relieves vacuum at .7 Hg (.33 PSI) and pressure at 2 PSI, 20 SCFM flow

| Male NPT | Zinc<br>Part # |
|----------|----------------|
| 2"       | <b>2000L</b>   |
| 2½"      | <b>2500L</b>   |



### for mobile fuel tanks

**Feature:**

- relieves vacuum at .33 Hg and pressure between 7.5 - 9 PSI

| Male NPT | Zinc<br>Part #  |
|----------|-----------------|
| 2"       | <b>200-PV-9</b> |



## Standard Vent Caps for Stationary Tanks

**Features:**

- allows venting of tank to atmosphere at all times
- also referred to as a breather cap
- does not have pressure or vacuum valves

|          |                    |
|----------|--------------------|
| Male NPT | Aluminum<br>Part # |
| 2½"      | <b>2500SFV</b>     |

## Fuel Delivery Adapter Cap

**Features:**

- single action locking cap
- bronze cam arms
- replacement parts are available, contact Dixon® for more information

|      |                    |                 |
|------|--------------------|-----------------|
| Size | Aluminum<br>Part # | Optional<br>Qty |
| 4"   | <b>SA4050AL</b>    | 10              |

## Swivel Joints

### Applications:

- used wherever a leak-proof swivel connection is needed in pipelines or in combination with hoses to eliminate hose twisting
- Industries range from petroleum, petrochemical, refining, mining, distilling, paint, farm irrigation and fertilizing, wastewater treatment plants and food and beverage process equipment. Dixon® swivel joints are found in blending plants, drum filling applications, fluid and dry bulk transfer, vacuum trucks, oil and gas trucks and water trucks. Larger swivels can be found in the steel industry, marine bulk transfer and many more.

### Features:

- full 360° rotational movement
- wide spacing between dual ball bearing raceways ensures greater load bearing capacity
- precision-machined design ensures alignment and years of trouble-free service
- O-ring dust seal protects the ball races and seals chamber from outside elements
- radius elbow design ensures a smooth flow pattern
- hydrostatic testing is performed on all swivels before shipment

### Options Available:

- end configurations: female NPT, 150# flanges, TTMA flange, grooved, weld end and many other variations
- seal options: Buna, FKM, PTFE, EPDM, FDA Buna, FFKM
- ball bearing materials: carbon steel, 440 stainless steel, and 316 stainless steel
- grease materials: Lithium, FDA approved/food grade and silicone
- swivels that include oxygen, steam or submerged service can be specifically designed for unique applications (special order)
- 100% full penetration weld
- re-build kits available
- custom swivel options available, contact Dixon® at 888.226.4673

Swivel configurator available [dixonvalve.com](http://dixonvalve.com)

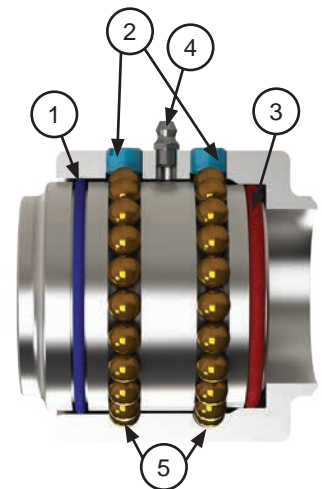


## O-ring Parts Identification List

1. O-ring (dust) seal
2. ball retainer screw
3. O-ring (pressure) seal
4. grease fitting
5. ball bearings

### O-ring Features:

- sizes: 1" - 4"
- O-ring pressure seal ensures a leak-proof seal and smooth rotation with lower torque.
- available working pressure ratings up to 1000 PSI
- available in carbon steel, 316L stainless steel, aluminum, brass and malleable iron

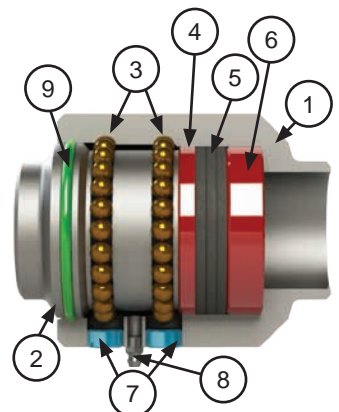


## V-ring Parts Identification List

1. body
2. sleeve
3. ball bearings
4. seal retainer
5. V-ring (pressure) seal
6. spring retainer
7. ball retainer screw
8. grease fitting
9. O-ring (dust) seal

### V-Ring Features:

- 2" - 12" size range
- spring loaded triple V-ring sealing system ensures a leak-proof seal at either high or low pressure and extends seal life
- available working pressure ratings up to 1000 PSI
- available in carbon steel, 316L stainless steel and limited aluminum



## Swivels

## Single Plane Style 20



female NPT x female NPT

| Size | Aluminum<br>Part #     | Malleable Iron<br>Part # |
|------|------------------------|--------------------------|
| 1½"  | <b>15020FXFAL00000</b> | <b>15020FXFMI00000</b>   |
| 2"   | <b>220FXFAL00000</b>   | <b>220FXFMI00000</b>     |
| 3"   | <b>320FXFAL00000</b>   | <b>320FXFMI00000</b>     |
| 4"   | <b>420FXFAL00000</b>   | ---                      |

## Single Plane Style 30



female NPT x female NPT

| Size | Aluminum<br>Part #     | Malleable Iron<br>Part # |
|------|------------------------|--------------------------|
| 1½"  | <b>15030FXFAL00000</b> | <b>15030FXFMI00000</b>   |
| 2"   | <b>230FXFAL00000</b>   | <b>230FXFMI00000</b>     |
| 3"   | <b>330FXFAL00000</b>   | <b>330FXFMI00000</b>     |
| 4"   | <b>430FXFAL00000</b>   | ---                      |

• contact Dixon® at 888.226.4673 for additional sizes, materials and configurations

## Swivel Joint Styles Planes of Rotation

## Single Plane Style 40



female NPT x female NPT



150# ASA flange x 150# ASA flange

## Double Plane Style 50



female NPT x female NPT



150# ASA flange x 150# ASA flange

## Double Plane Style 60



female NPT x female NPT



150# ASA flange x 150# ASA flange

Swivel configurator available [dixonvalve.com](http://dixonvalve.com)

## Swivel Joint Styles Planes of Rotation

## Double Plane Style 70



female NPT x female NPT



150# ASA flange x 150# ASA flange

## Triple Plane Style 80

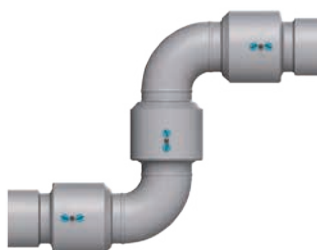


female NPT x female NPT



150# ASA flange x 150# ASA flange

## Triple Plane Style 10



female NPT x female NPT



150# ASA flange x 150# ASA flange

## Working Pressures

Dixon® swivels are recommended for use at the following maximum Non-Shock Cold Working Pressures (NSCWP) provided in PSI, at ambient temperatures **70°F (21°C)**.

| Size | V-ring<br>Carbon Steel<br>CS | O-ring<br>Carbon Steel<br>OC | V-ring<br>Stainless Steel<br>SS | O-ring<br>Stainless Steel<br>OS | Aluminum<br>AL | Brass<br>BR | Malleable Iron<br>MI |
|------|------------------------------|------------------------------|---------------------------------|---------------------------------|----------------|-------------|----------------------|
| 1"   | ---                          | 1000                         | ---                             | 1000                            | 150            | ---         | ---                  |
| 1¼"  | ---                          | ---                          | ---                             | ---                             | 150            | ---         | ---                  |
| 1½"  | ---                          | 1000                         | ---                             | 1000                            | 150            | 300         | 600                  |
| 2"   | 1000                         | 1000                         | 1000                            | 1000                            | 150            | 300         | 600                  |
| 3"   | 1000                         | 1000                         | 1000                            | 1000                            | 150            | 300         | 600                  |
| 4"   | 1000                         | ---                          | 1000                            | ---                             | 150            | ---         | ---                  |
| 6"   | 1000                         | ---                          | ---                             | ---                             | 150            | ---         | ---                  |
| 8"   | ---                          | ---                          | ---                             | ---                             | 150            | ---         | ---                  |

- When using flanged ends, the pressure rating will be reduced to coincide with that of the flange being used. Carbon steel and stainless steel 150# flanges are recommended for use at **275 PSI** maximum at ambient temperature **70°F (21°C)**.
- Lubrication should be performed periodically, depending on service and operating conditions. Twice yearly is normally sufficient.
- All dimensions are approximate. Where critical, contact Dixon® at 888.226.4673



## Swivel Ordering Information

|  |
|--|
| Size   |
| Style (shape)  |
| End configuration  |
| Material   |
| Maximum working pressure   |
| Temperature range  |
| Media: specify product being handled (if chemical, advise concentration) |
| Submerged or oxygen service  |
| If for constant rotation, advise RPM                                     |
| If for suction service, advise maximum vacuum in inches of mercury (Hg)  |

Our Sales and Engineering staff will help you evaluate your swivel application, please call 888.226.4673.

Example:  $\frac{2}{[A]}$   $\frac{20}{[B]}$   $\frac{F}{[C]}$  X  $\frac{F}{[C]}$   $\frac{CS}{[D]}$   $\frac{0}{[E]}$   $\frac{0}{[F]}$   $\frac{1}{[G]}$   $\frac{0}{[H]}$   $\frac{0}{[I]}$

| A<br>Size            |  |  |   |                            |  |
|----------------------|--|--|---|----------------------------|--|
| B<br>Style           |  |  |   |                            |  |
| C<br>End Connections | W<br>Weld End  | F<br>Female NPT  | FG<br>150# ASA Flange                           | TF<br>Tank Truck Flange    | PF<br>300# ASA Flange<br>(not available in aluminum) |
| D<br>Material        | CS (V-ring)<br>Carbon Steel<br>OC (O-ring)<br>Carbon Steel | SS (V-ring)<br>Stainless Steel<br>OS (O-ring)<br>Stainless Steel | AL<br>Aluminum                                  | BR<br>Brass                | MI<br>Malleable Iron                                 |
| Code                 | E<br>Pressure Seal   | F<br>Dust Seal   | G<br>Retainers                                  | H<br>Ball Bearings         | I<br>Grease  |
| 0                    | Buna N (standard)  | Buna N (standard)  | no retainers<br>(O-ring swivel)                 | carbon steel<br>(Standard) | Lithium  |
| 1                    | FKM  | FKM  | PTFE<br>(standard in CS<br>V-ring) <sup>1</sup> | 440 grade SS               | FDA approved/<br>food grade                          |
| 2                    | PTFE   | ---  | PTFE<br>(standard in SS<br>V-ring)              | 316 grade SS               | Silicone<br>(required with<br>EPR seals)             |
| 3                    | Ethylene Propylene   | Ethylene Propylene   | ---   | ---                        | ---  |
| 4                    | (requires silicone<br>grease)                              | (requires silicone<br>grease)                                    | ---   | ---                        | ---  |

<sup>1</sup> Aluminum retainers are no longer available. PTFE retainers will be standard for all V-ring swivels.



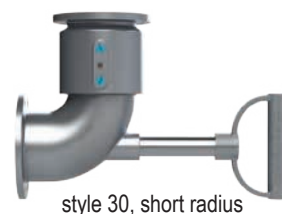
The swivel should be packed such that the surfaces coming in contact with the fluid being handled are compatible with that fluid. In a case where the swivel is being used in a submerged service, this would include the dust seals and ball bearings. We always recommend the use of the stainless steel ball bearings when building a swivel for submerged service. Standard carbon steel ball bearings could rust together, making it impossible to disassemble the swivel and may affect operation.

## Loading Arm Swivels

**Features:**

- TTMA loading arm swivel with heavy duty D style shovel handle
- TTMA flanges on both ends
- shovel handle is used to guide the API load coupler onto the adapter on the tank truck
- long radius elbow improves flow into the API load coupler and provides spacing between the load arm and the tank truck
- can be used with flange extensions on page 36

| Size | Description                                       | Aluminum Part #         |
|------|---|-------------------------|
| 4"   | Style 30 short radius, with handle, Buna seals    | <b>43HTFXTFAL00000</b>  |
|      | Style 30 short radius, with handle, FKM seals     | <b>43HTFXTFAL11000</b>  |
|      | Style 30 short radius, without handle, Buna seals | <b>430TFXTFAL00000</b>  |
|      | Style 30 short radius, without handle, FKM seals  | <b>430TFXTFAL11000</b>  |
|      | Style 30 long radius, with handle, Buna seals     | <b>43HTFTFLAL00000</b>  |
|      | Style 30 long radius, with handle, FKM seals      | <b>43HTFTFLAL11000</b>  |
|      | Style 30 long radius, without handle, Buna seals  | <b>430FTFTFLAL00000</b> |
|      | Style 30 long radius, without handle, FKM seals   | <b>430FTFTFLAL11000</b> |
|      | Style 40 with handle, Buna seals                  | <b>44HTFXTFAL00000</b>  |
|      | Style 40 with handle, FKM seals                   | <b>44HTFXTFAL11000</b>  |
|      | Style 40 without handle, Buna seals               | <b>440TFXTFAL00000</b>  |
|      | Style 40 without handle, FKM seals                | <b>440TFXTFAL11000</b>  |
|      | Style 50 with handle, Buna seals                  | <b>45HTFXTFAL00000</b>  |
|      | Style 50 with handle, FKM seals                   | <b>45HTFXTFAL11000</b>  |
|      | Style 50 without handle, Buna seals               | <b>450TFXTFAL00000</b>  |
|      | Style 50 without handle, FKM seals                | <b>450TFXTFAL11000</b>  |



### Replacement Parts

| Description                      | Part #            |
|----------------------------------|-------------------|
| 4" schedule 80 aluminum nipple   | <b>ATN100X7</b>   |
| D style heavy duty shovel handle | <b>100DHAN-AL</b> |
| ball handle                      | <b>100BHAN-AL</b> |
| buna seal kit                    | <b>4RK0BU</b>     |
| FKM seal kit                     | <b>4RKOVIVI</b>   |



NEW

**NEW**

## Dixon® Loading Arms

**Applications:**

- used in the transfer of liquids and dry bulk in refineries, chemical plants, rail terminals, truck terminals, tote and drum filling and food industry

**Sizes:**

- 2", 3", 4" and more upon request

**Materials:**

- various materials available including: hardened carbon steel, 316L stainless steel and aluminum
- seals: Buna, EPDM, FKM A and B, PTFE, Baylast and more on request
- counterbalance housing: steel

**Features:**

- three options for sealing swivels: O-ring, V-ring and Split Flange
- fast delivery for many sizes and styles
- engineered with easy service in mind
- wide variety of end configurations available
- torsion spring counterbalance:
  - ball screw adjustment mechanism for easy and safe adjustment
  - multiple spring rates available for different load requirements
  - multiple grease ports for ease of service

Visit [dixonvalve.com/loadingarms](http://dixonvalve.com/loadingarms) for additional product information or call 888.226.4673.

## Split Flange Swivels

**Applications:**

- Used in petroleum, blending plants, petrochemical, refining, mining, distilling, paint plants, farm irrigation and fertilizing, wastewater treatment, food and beverage process equipment and marine

**Features:**

- bearing pack design allows easy seal change without removing the ball bearings
- simple maintenance: remove one nose piece, replace seal pack, reinstall with little down-time
- instream seal separates wetted area from ball bearings allowing for longer bearing pack life over conventional swivels
- pressure rating: up to **600 PSI**
- temperature: **-40°F to 450°F (-40°C to 232°C)** depending on seal material (with standard seals: **350°F (177°C)**)
- wide set bearing race for higher moment loads
- compact design for low profile applications

**Materials:**

- bearing pack: through hardened forged high carbon alloy
- material contact surfaces: stainless steel or carbon steel nose pieces

**Available options:**

- stock end configurations: 150 lb. and 300 lb. flanges, FNPT, butt weld, others per request
- stock seals: Baylast™, FKM, PTFE, others per request
- full penetration weld
- contact Dixon® at 888-226-4673 for additional materials and configurations



| Size | Carbon Steel<br>Weld x Weld<br>with Baylast™<br>Pressure Seals | Carbon Steel<br>Weld x Weld<br>with FKM<br>Pressure Seals | Carbon Steel<br>150# Flange x 150# Flange<br>with Baylast™<br>Pressure Seals | Carbon Steel<br>150# Flange x 150# Flange<br>with FKM<br>Pressure Seals |
|------|--|---|--|---|
| 2"   | <b>SF220WXWCS00</b>  | <b>SF220WXWCS10</b>                                       | <b>SF220FGXFGCS00</b>  | <b>SF220FGXFGCS10</b>   |
| 3"   | <b>SF320WXWCS00</b>  | <b>SF320WXWCS10</b>                                       | <b>SF320FGXFGCS00</b>  | <b>SF320FGXFGCS10</b>   |
| 4"   | <b>SF420WXWCS00</b>  | <b>SF420WXWCS10</b>                                       | <b>SF420FGXFGCS00</b>  | <b>SF420FGXFGCS10</b>   |

## Split Flange Swivel Components

## Split Flange Bearing Packs



| Size | Carbon Steel<br>Part # |
|------|------------------------|
| 2"   | <b>2SFBP</b>           |
| 3"   | <b>3SFBP</b>           |
| 4"   | <b>4SFBP</b>           |



## Split Flange Nose Pieces

- 2 required per bearing pack

| Size | Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # |
|------|------------------------|-------------------------------|
| 2"   | <b>2SFNPSC</b>         | <b>2SFNPSS</b>                |
| 3"   | <b>3SFNPSC</b>         | <b>3SFNPSS</b>                |
| 4"   | <b>4SFNPSC</b>         | <b>4SFNPSS</b>                |



## Seal Kits

- kits contains: seal, PTFE retainer, carbon steel bolts
- 1 required per bearing pack

| Size | Baylast<br>Part #    | FKM<br>Part #   | PTFE<br>Part #   |
|------|----------------------|-----------------|------------------|
| 2"   | <b>2SFSK-BAYLAST</b> | <b>2SFSK-VI</b> | <b>2SFSK-TES</b> |
| 3"   | <b>3SFSK-BAYLAST</b> | <b>3SFSK-VI</b> | <b>3SFSK-TES</b> |
| 4"   | <b>4SFSK-BAYLAST</b> | <b>4SFSK-VI</b> | <b>4SFSK-TES</b> |



## Railroad Tank Car Connections

## Features:

- all swivel nuts have standard 5" Railroad Tank Car thread
- supplied with a Buna-N gasket in the threaded end, other gaskets available on page 59
- also available in other materials and in 2" and 2½" sizes, consult Dixon® for pricing and availability

## Style A



Stainless steel railroad tank car connections are not compatible with aluminum and brass.



| Male Adapter | Swivel Nut | Elbow | 316 Stainless Steel Part # | Aluminum Part # |
|--------------|------------|-------|----------------------------|-----------------|
| 3"           | 5"         | 120°  | <b>RTCA30</b>              | ---             |
| 4"           | 5"         | 110°  | <b>RTCA40<sup>1</sup></b>  | <b>ATCA40</b>   |

<sup>1</sup> parts are produced as a welded fabrication

## Style F

## Features:

- 4" TTMA flange can be bolted to sight glass; API adapter or other dry disconnect
- supplied with PTFE Buna-N envelope gasket



110° elbow

| TTMA Flange | Swivel Nut | Elbow | Aluminum Part #           |
|-------------|------------|-------|---------------------------|
| 4"          | 5"         | 110°  | <b>ATCF40<sup>1</sup></b> |
|             | 5"         | 90°   | <b>ATCF40-90</b>          |

<sup>1</sup> part is produced as a welded fabrication

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Style GF

## Feature:

- 4" TTMA flange can be bolted to sight glass; API adapter or other dry disconnect



110° elbow

| TTMA Flange | Boss-lock™ Coupler | Elbow | Aluminum Part #   |
|-------------|--------------------|-------|-------------------|
| 4"          | 4"                 | 110°  | <b>ATCGF40</b>    |
|             | 4"                 | 90°   | <b>ATCGF40-90</b> |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Screen

## Features:

- stainless steel screen encapsulated in a buna gasket
- for use in Style GF elbows



| Size | Hole Size | 316L Stainless Steel Part # |
|------|-----------|-----------------------------|
| 4"   | 1"        | <b>400-G-BUSS</b>           |

## Style S



| Shank Size | Swivel Nut | Elbow | Aluminum Part # |
|------------|------------|-------|-----------------|
| 4"         | 5"         | 110°  | <b>ATCS40</b>   |



# Railroad Tank Car Connections

## Style T

| Male NPT | Swivel Nut | Elbow | Iron Part #  | Aluminum Part # |
|----------|------------|-------|--------------|-----------------|
| 3"       | 5"         | 120°  | <b>TCT30</b> | <b>ATCT30</b>   |
| 4"       | 5"         | 110°  | <b>TCT40</b> | <b>ATCT40</b>   |



## Style T

Components that make up these assemblies are not interchangeable between stainless steel and the other materials.



| Male NPT | Swivel Nut | Elbow | 316 Stainless Steel Part # |
|----------|------------|-------|----------------------------|
| 3"       | 5"         | 120°  | <b>RTCT30</b>              |
| 4"       | 5"         | 110°  | <b>RTCT40</b>              |



## Dixon® Coupler x Tank Car Thread

### Features:

- part is produced as a welded fabrication
- pressure rating is based on the seal of the mating part, see ratings on page 124
- use Dixon® replacement handles only

| Coupler | Male Tank Car Thread | Aluminum Part #  |
|---------|----------------------|------------------|
| 4"      | 5"                   | <b>400DWX5TC</b> |



## EZ Boss-Lock™ x Coupler Tank Car Thread

### Features:

- part is produced as a welded fabrication
- pressure rating is based on the seal of the mating part, see ratings on page 124
- use EZ Boss-Lock™ replacement handles only

| Coupler | Male Tank Car Thread | Aluminum Part #     |
|---------|----------------------|---------------------|
| 4"      | 5"                   | <b>AD400ALEZMTC</b> |



## Railroad Unloading Assemblies

### Features:

- robust aluminum body construction
- removable, easy carry handle
- safe and reliable - valves will not open unless fittings are properly connected
- multiple configurations available, consult Dixon™ for pricing and availability

### Assembly with MannTek Dry Disconnect Adapter



| Adapter Size | Swivel Nut Size | Aluminum Part #    |
|--------------|-----------------|--------------------|
| 4"           | 5"              | <b>ATC40ASSDDA</b> |

### Assembly with API Adapter



### Feature:

- stainless steel springs on the adapter and coupler for corrosion resistance

| Adapter Size | Swivel Nut Size | Aluminum Part #    |
|--------------|-----------------|--------------------|
| 4"           | 5"              | <b>ATC40ASSAPI</b> |

## Dixon® Tank Car Adapters



rocker lug



pin lug



Stainless steel adapters are not compatible with the aluminum and brass adapters.

### Features:

- standard 5" Railroad Tank Car thread
- supplied with a Buna-N gasket in the threaded end, see next page for more gaskets

| Size | 356T6 Aluminum Part # | Brass Part #      | Iron Part #       | 316 Stainless Steel Part # |
|------|-----------------------|-------------------|-------------------|----------------------------|
| 2"   | <b>200-TCA-AL</b>     | ---               | ---               | <b>200-TCA-SS</b>          |
| 3"   | <b>300-TCA-AL</b>     | <b>300-TCA-BR</b> | <b>300-TCA-MI</b> | <b>300-TCA-SS</b>          |
| 4"   | <b>400-TCA-AL</b>     | <b>400-TCA-BR</b> | ---               | <b>400-TCA-SS</b>          |

### 45° Swivel



### Features:

- standard 5" Railroad Tank Car thread
- 45° tank car swivel adapter
- unit has a long handle brass swivel nut and a swivel retaining ring
- supplied with a Buna-N gasket in the threaded end, see next page for more gaskets

| Size | 356T6 Aluminum Part # |
|------|-----------------------|
| 4"   | <b>40A-45TCAL</b>     |

Note: 4" hose fittings for railroad tank car unloading can be found on pages 55 and 56.

# Cam & Groove Railroad Tank Car Gaskets

## Old Style

### Feature:

- for use with Dixon® fittings

| Size | OD  | ID  | Thick | Leather<br>Part # |
|------|-----|-----|-------|-------------------|
| 5"   | 5¼" | 3½" | 3/16" | <b>G9</b>         |



## Standard

### Feature:

- for use with Dixon® fittings

| Size | OD      | ID  | Thick | Material               | Part #              |
|------|---------|-----|-------|------------------------|---------------------|
| 5"   | 5¼"     | 3⅞" | ⅛"    | <i>Buna-N</i>          | <b>500GTCABU</b>    |
|      | 5¼"     | 3⅞" | ⅛"    | <i>FKM</i>             | <b>500GTCAVI</b>    |
|      | 5¼"     | 3⅞" | ⅛"    | <i>fuel grade Buna</i> | <b>500GTCABF</b>    |
|      | 5-5/16" | 3⅞" | 3/16" | <i>FKM</i>             | <b>500GTCAVITHK</b> |



## PTFE Envelope

### Features:

- for use with Dixon® fittings
- may be too thick for insertion in some older Dixon® fittings

| Size | OD  | ID       | Thick | Material                       | Part #           |
|------|-----|----------|-------|--------------------------------|------------------|
| 5"   | 5¼" | 3-13/16" | 3/16" | <i>PTFE with Buna-N filler</i> | <b>500GTCATF</b> |
|      | 5¼" | 3-13/16" | 3/16" | <i>PTFE with FKM filler</i>    | <b>500GTCATV</b> |



## Pin Lug Wrench

### Feature:

- used on aluminum and iron tank car nuts

| Iron<br>Part # |
|----------------|
| <b>G10</b>     |



## Bronze Sight Flow Indicators

Female NPT x Female NPT

Stock Quantity Only



## Features:

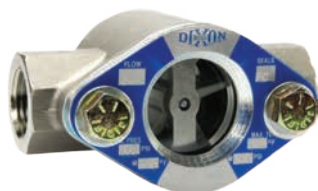
- verifies flow and monitors color and clarity in fluid lines
- double window snap ring design
- bronze body
- ABS indicator
- tempered soda lime sight glass
- Buna-N seals
- maximum operating pressure: **125 PSI**
- maximum temperature: **200°F (93°C)**
- made in the USA

| Size   | Overall Length | Width    | Height  | Bronze Part #     | Optional Qty |
|--------|----------------|----------|---------|-------------------|--------------|
| 1/2"   | 3-13/16"       | 2-7/16"  | 2-7/16" | <b>SF1631-050</b> | 1            |
| 3/4"   | 3-13/16"       | 2-7/16"  | 2-7/16" | <b>SF1631-075</b> | 1            |
| 1"     | 4-3/8"         | 3"       | 3-1/8"  | <b>SF1631-100</b> | 1            |
| 1 1/2" | 4-5/8"         | 3-13/16" | 4"      | <b>SF1631-150</b> | 1            |
| 2"     | 4-5/8"         | 3-13/16" | 4"      | <b>SF1631-200</b> | 1            |

## Stainless Steel Sight Flow Indicators

Female NPT x Female NPT

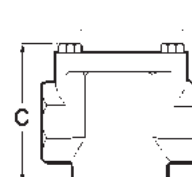
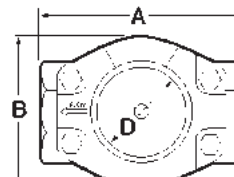
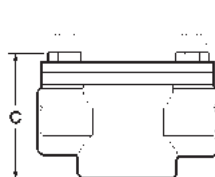
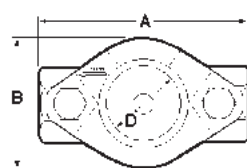
Stock Quantity Only



1/2"

## Features:

- verifies flow and monitor color and clarity in fluid lines
- radial sealing method and bolt-on body design provide reliable service with no torquing maintenance required
- white acetal resin, 40% glass filled propeller style indicator is standard and best for observations at a distance or with opaque liquids <sup>1</sup>
- tempered soda lime sight glass <sup>2</sup>
- FKM seals are standard <sup>3</sup>
- maximum operating pressure: **200 PSI at 150°F (66°C)**
- maximum temperature: **225°F (107°C) at 150 PSI**
- made in the USA
- 150# flanged units and other metals are available, consult Dixon® for price and availability.



1 1/2"

| Size   | Overall Length A | Width B | Height C | Diameter of Sight Opening D | Stainless Steel Part # | Optional Qty |
|--------|------------------|---------|----------|-----------------------------|------------------------|--------------|
| 1/2"   | 3 1/4"           | 2"      | 2-3/8"   | 1 1/8"                      | <b>SF1471-050</b>      | 1            |
| 3/4"   | 4 1/4"           | 2-9/16" | 3-1/4"   | 1 1/2"                      | <b>SF1471-075</b>      | 1            |
| 1"     | 4 1/4"           | 2-9/16" | 3-1/4"   | 1 1/2"                      | <b>SF1471-100</b>      | 1            |
| 1 1/2" | 5 5/8"           | 3-5/16" | 4-5/16"  | 2"                          | <b>SF1471-150</b>      | 1            |
| 2"     | 5 5/8"           | 3-5/16" | 4-5/16"  | 2"                          | <b>SF1471-200</b>      | 1            |



2"

<sup>1</sup> Plain, flapper or drip tube style indicators are available as are PTFE indicators, consult Dixon® for price and availability.

<sup>2</sup> Special units with tempered borosilicate glass are available, consult Dixon® for price and availability.

<sup>3</sup> PTFE, EPR and Buna-N seals are available, consult Dixon® for price and availability.

## ADS Outalarms

Automated Design Service, Inc. (ADS) is now operating as Dixon® Industrial Fluid Control to manufacture products specifically designed for liquid terminal operations. Our standard product offering is shown on the following pages. However, there are numerous additional applications, materials and custom designs available, please visit [dixonvalve.com/ADS](http://dixonvalve.com/ADS) for the latest information. Call 513.874.8499 or 877.582.3569 for technical information or assistance with ordering these products.

### ADS Outalarms with Probe

**Application:**

- specifically designed for liquid terminal operation on batch loading and overfill protection, unloading, tank cars, tanks trucks, marine barges, suitable for open and closed dome

**Features:**

- totally self-contained; no wires, tubing or external power
- rugged weather and corrosion resistant construction
- no moving parts, tip sensitive phase shift™ digital capacitance sensor for conductive and non-conductive fluid
- intrinsically safe design per ANSI/UL913 for Class I, Div I Groups A, B, C and D Hazardous Areas
- requires no calibration or adjustment
- operates up to 2500 hours on a single 9V alkaline battery
- adjustable insertion length through a standard ½" NPT fitting
- high intensity audible and flashing visual outputs
- full, hard graduated laser engraved rod
- fail safe continuous battery monitor goes to alarm state on low battery
- factory tuned to trip ¼" into liquid
- 24", 36", 48" and 60" probe lengths standard, other lengths available
- battery current drain <0.23 ma during standby; <50 ma in alarm state
- horn intensity 101 dB at 2'
- light output 3 each 3000 mcd high intensity flashing LED's
- wetted materials: 316 stainless steel, PTFE standard, other materials available
- pressure rating on standard unit: **50 PSI**, consult Dixon® for applications up to 300 PSI
- optional opto-isolated solid state contact output
- high temperature applications to **325°F (162°C)**
- low temperature option good to **-40°F (-40°C)**
- temperature range: **-14°F to 325°F (-26°C to 163°C)**

### ADS Outalarms with A100 Probe

**Features:**

- capacitance Phase Shift probe
- ½" NPT gland standard
- minimum dielectric constant 1.8
- temperature range: **-14°F to 250°F (-26°C to 121°C)**

| Length | Capacitance<br>250°F (121°C) maximum | Hi-temp Capacitance<br>325°F (163°C) maximum | Conductivity<br>for conductive fluids |
|--------|--------------------------------------|--|---------------------------------------|
| 12"    | <b>A100C12A</b>                      | <b>A100HC12A</b>                             | <b>A100CSS12A</b>                     |
| 24"    | <b>A100C24A</b>                      | <b>A100HC24A</b>                             | <b>A100CSS24A</b>                     |
| 36"    | <b>A100C36A</b>                      | <b>A100HC36A</b>                             | <b>A100CSS36A</b>                     |
| 48"    | <b>A100C48A</b>                      | <b>A100HC48A</b>                             | <b>A100CSS48A</b>                     |
| 60"    | <b>A100C60A</b>                      | <b>A100HC60A</b>                             | <b>A100CSS60A</b>                     |
| 72"    | <b>A100C72A</b>                      | <b>A100HC72A</b>                             | <b>A100CSS72A</b>                     |
| 84"    | <b>A100C84A</b>                      | <b>A100HC84A</b>                             | <b>A100CSS84A</b>                     |

**NEW**





## ADS 210 Spillguard™ Monitors

**Application:**

- shutdown system for tank cars, tank trucks, barges and ships, suitable for open and closed dome

**Features:**

- rugged, explosion proof, weather, chemical and corrosion resistant
- LED status lights visible through glass cover
- inserts into tank through standard ½" NPT fitting
- probe can be portable or permanently installed in the vessel
- laser engraved graduated rod with ¼" graduations
- probe-to-controller cable protected by stainless steel interlocking armor sheath and heavy duty latching connectors at both ends
- fail safe design, unit trips in the event of an open or shorted cable or loss of power
- controller housing NEMA 4X, NEMA 7, Explosion Proof, Class I, II, Groups B, C and D
- choice of capacitance, conductivity, ultrasonic, temperature or float sensors
- insertion lengths 4" to 60" standard, other lengths available
- wetted materials: 316 stainless steel and PTFE standard, other materials available
- sensor suitable for Class I, II, III, Div 1, Groups A, B, C and D when used with supplied controller and cable lengths of 10,000' or less
- input power: 120 VAC, 240 VAC or 24 VDC, 2.5 watts
- output relay contacts 2 form C (2PDT) rated 2 amps at 120/240 VAC, 1 form C (SPDT) with optional latching circuit and reset switch
- output relay de-energizes on high level, broken or shorted sensor cables or loss of power
- sensor excitation open circuit voltage 8 VDC, short circuit current 8 MA with built-in FM approved barrier
- probe temperature range: **-14°F to 212°F (-26°C to 100°C)**
- probe pressure rating: **50 PSI** with standard fitting, consult Dixon® for applications up to 300 PSI
- standard cable lengths: 15', 25' and 50', other lengths available
- cable connectors designed for repeated mating meet IP 65 mechanical and environmental specifications
- optional self test feature, tilt and ground verification interlocks and latching circuit available



| Monitor Options            | 24V DC          | 120V AC          |
|----------------------------|-----------------|------------------|
| A210 Spillguard™ monitor   | <b>A210-24</b>  | <b>A210-120</b>  |
| with bypass timer          | <b>A210B-24</b> | <b>A210B-120</b> |
| with external reset switch | <b>A210R-24</b> | <b>A210R-120</b> |

## ADS Spillguard™ Probes

## Capacitance Probes

**Application:**

- for materials with dielectric constant > 1.8, liquids, powders, slurries

**Materials:**

- probe: 316 stainless
- housing: NEMA 4X, IP66

**Features:**

- ½" NPT sliding fitting standard, ¾" fitting optional
- open dome adapter and washout fitting available
- tilt sensor optional

**Specifications:**

- capacitance probe: **250°F (121°C)** maximum
- high temperature probe: **325°F (163°C)** maximum

| Length | Capacitance      |                   |
|--------|------------------|-------------------|
|        | Capacitance      | High-Temp         |
| 12"    | <b>A200PC12A</b> | <b>A200PHC12A</b> |
| 24"    | <b>A200PC24A</b> | <b>A200PHC24A</b> |
| 36"    | <b>A200PC36A</b> | <b>A200PHC36A</b> |
| 48"    | <b>A200PC48A</b> | <b>A200PHC48A</b> |
| 60"    | <b>A200PC60A</b> | <b>A200PHC60A</b> |
| 72"    | <b>A200PC72A</b> | <b>A200PHC72A</b> |
| 84"    | <b>A200PC84A</b> | <b>A200PHC84A</b> |

## Conductivity Probes

**Application:**

- for conductive fluids such as acids and water based mixtures

**Materials:**

- probe: 316 stainless, Hastelloy available for HCL service
- housing: NEMA 4X, IP66

**Features:**

- ½" NPT sliding fitting standard, ¾" fitting optional
- open dome adapter and washout fitting available
- pressure and tilt sensor options
- single electrode protected in housing
- dual electrodes exposed for easy cleaning

| Length | Conductivity       |                      |
|--------|--------------------|----------------------|
|        | Single Electrode   | Dual Electrode       |
| 12"    | <b>A200PCSS12A</b> | <b>A200PCSSDP12A</b> |
| 24"    | <b>A200PCSS24A</b> | <b>A200PCSSDP24A</b> |
| 36"    | <b>A200PCSS36A</b> | <b>A200PCSSDP36A</b> |
| 48"    | <b>A200PCSS48A</b> | <b>A200PCSSDP48A</b> |
| 60"    | <b>A200PCSS60A</b> | <b>A200PCSSDP60A</b> |
| 72"    | <b>A200PCSS72A</b> | <b>A200PCSSDP72A</b> |
| 84"    | <b>A200PCSS84A</b> | <b>A200PCSSDP84A</b> |

## Float Probes

**Application:**

- for use with foaming, very low density, or highly viscous liquids

**Materials:**

- probe: 316 stainless, Hastelloy available for HCL service
- housing: NEMA 4X

**Features:**

- single point standard, dual or multi-level float available
- open dome adapter and washout adapter available
- A100 battery powered monitor

| Length | A100<br>Outalarm Float Probe | A200<br>Float Probe |
|--------|------------------------------|---------------------|
|        |                              |                     |
| 24"    | <b>A100F24DA</b>             | <b>A200F24DA</b>    |
| 36"    | <b>A100F36DA</b>             | <b>A200F36DA</b>    |
| 48"    | <b>A100F48DA</b>             | <b>A200F48DA</b>    |

## Multi-Point Ultrasonic Probes

**Application:**

- for use when multiple detection points are required such as dribble mode, pump shutoff and overflow alarm

**Features:**

- up to 5 sense points available
- pressure sensor
- ground verification
- tilt storage probe only active in vertical operational position
- Built special order to customer specifications, contact Dixon Bayco at 513.874.8499 for more information.

## ADS Outage Gauge

### Applications:

- set level fill point for manual / visual fill control
- measure outage requirements on mobile tanks

### Feature:

- open dome bracket

| Length | 316 stainless steel<br>Standard Outgauge Part # | 316 stainless steel<br>Outgauge with J Bar Part # |
|--------|---|---|
| 2'     | <b>A800OG2</b>                                  | <b>A800OGJ2</b>                                   |
| 3'     | <b>A800OG3</b>                                  | <b>A800OGJ3</b>                                   |
| 4'     | <b>A800OG4</b>                                  | <b>A800OGJ4</b>                                   |
| 5'     | <b>A800OG5</b>                                  | <b>A800OGJ5</b>                                   |



## ADS Gauge Rods

### Application:

- used to gauge liquid levels in any mobile tank

### Features:

- ½" x .065 wt hardened 316 stainless steel
- laser engraved scale with ¼" graduations
- rods come in two sections that screw together at the midpoint
- foot marks inscribed on rod at 1' intervals below the inch mark
- heavy duty plastic handle
- available in 4', 8' and 12' lengths

| Description | 316 Stainless Steel<br>Part # |
|-------------|-------------------------------|
| 4'          | <b>ADS4GR</b>                 |
| 8'          | <b>ADS8GR</b>                 |
| 12'         | <b>ADS12GR</b>                |



laser engraving closeup

## ADS Spillguard™ Armored Cables

### Features:

- 3 or 5 pin connector
- 316 stainless steel armoured cable or yellow rubber cable
- custom lengths available, call 513.874.8499 or 877.582.3569 for more information

### Armored Cables

| Length | 3 Pin             | 5 Pin             |
|--------|-------------------|-------------------|
| 15'    | <b>A200CA3P15</b> | <b>A200CA5P15</b> |
| 20'    | <b>A200CA3P20</b> | <b>A200CA5P20</b> |
| 25'    | <b>A200CA3P25</b> | <b>A200CA5P25</b> |
| 50'    | <b>A200CA3P50</b> | <b>A200CA5P50</b> |



### Rubber Cable <sup>1</sup>

| Length | 3 Pin             |
|--------|-------------------|
| 25'    | <b>A200CB3P25</b> |



<sup>1</sup> for use with (-M) mini connectors only

## Accessories

## ADS Open Dome Adapters

## Features:

- flexible design fits most domes
- ½ and ¾" NPT port for Outalarm probes

Stainless Steel

Part #

**A100DA****A100DB****NEW**

A100DA

## Tank Washout Caps

| Description                            | Part           |
|--|----------------|
| tank truck 3" wash-out adapter, ½" NPT | <b>A100TTA</b> |
| tank truck 3" wash-out adapter, ¾" NPT | <b>A100TTB</b> |
| washout cap with swivel                | <b>A200SA</b>  |
| washout cap with swivel and 2" vent    | <b>A200SVA</b> |



A100TTA



A200SA

## Cable Junction Boxes

| Description | Part            |
|-------------|-----------------|
| 3 pin       | <b>A210CR-3</b> |
| 5 pin       | <b>A210CR-5</b> |



A210CR-3

## Additional Parts &amp; Accessories

| Description   | Part               |
|---|--------------------|
| 1" cam and groove coupler and ½" NPT bushing, stainless steel               | <b>A100CA1050</b>  |
| 1" cam and groove coupler with ½" NPT busing and 1" NPT vent tee, stainless | <b>A100CA1050V</b> |
| A100 / 200 splash guard, with 1½" diameter poly                             | <b>A100SG-POLY</b> |
| locating tab for A100 / 200 probes  | <b>A100LT</b>      |
| replacement A100 monitor only   | <b>A100MTR</b>     |
| cable to monitor adapter  | <b>A100CBLMTR</b>  |
| A210 Piezo horn 24VDC   | <b>A210PZH-24</b>  |
| tri color external signal light   | <b>A210-120TC</b>  |



A210PZH-24



A210-12TC

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**Features:**

- positive metal-to-polymer seal
- leakproof seal forms when the metal head of the stem makes contact with the patented polymer seat in the spud
- non-metallic polymer seat resists most chemicals found in manufacturing facilities (reference corrosion resistance chart on pages 921 - 926)
- recommended for steam service up to **450°F (232°C)**
- easy to seal
- use with Boss™ clamps found on pages 75, 76

**Boss™ Ground Joint Couplings with Female Spud**

| Hose Shank<br>x NPT | Plated Steel<br>and / or Iron<br>Part # | 316 Stainless Steel<br>Part # | Brass<br>Part # |
|---------------------|---|-------------------------------|-----------------|
| 1/4"                | <b>GF1<sup>1</sup></b>                  | ---                           | ---             |
| 3/8"                | <b>GF3<sup>1</sup></b>                  | ---                           | ---             |
| 1/2"                | <b>GF6</b>                              | ---                           | ---             |
| 1/2" x 3/4"         | <b>GF26-1</b>                           | ---                           | ---             |
| 3/4"                | <b>GF26</b>                             | <b>RGF26</b>                  | <b>BGF26</b>    |
| 1"                  | <b>GF36</b>                             | <b>RGF36</b>                  | <b>BGF36</b>    |
| 1 1/4"              | <b>GF51</b>                             | <b>RGF51</b>                  | ---             |
| 1 1/2"              | <b>GF61</b>                             | <b>RGF61</b>                  | ---             |
| 2"                  | <b>GF81<sup>2</sup></b>                 | <b>RGF81<sup>2</sup></b>      | ---             |
| 2 1/2"              | <b>GF96</b>                             | ---                           | ---             |
| 3"                  | <b>GF111</b>                            | ---                           | ---             |
| 4"                  | <b>GF141</b>                            | ---                           | ---             |
| 6"                  | <b>GF201<sup>1</sup></b>                | ---                           | ---             |

<sup>1</sup> 1/4", 3/8" and 6" available only with copper seat spuds

<sup>2</sup> not to be used with #250, #275 or #306 Boss™ clamps

**Boss™ Ground Joint Stems**

| Hose Shank<br>x NPT | Plated Steel<br>and / or Iron<br>Part # | Optional<br>Qty | 316 Stainless Steel<br>Part # | Brass<br>Part # |
|---------------------|---|-----------------|-------------------------------|-----------------|
| 1/4"                | <b>GBA</b>                              | 100             | ---                           | ---             |
| 3/8"                | <b>GCA</b>                              | 100             | ---                           | ---             |
| 1/2"                | <b>GB1</b>                              | 100             | ---                           | ---             |
| 1/2" x 3/4"         | <b>GB6-1</b>                            | 50              | ---                           | ---             |
| 3/4"                | <b>GB6</b>                              | 50              | <b>RGB6</b>                   | <b>BGB6</b>     |
| 1"                  | <b>GB11</b>                             | 50              | <b>RGB11</b>                  | <b>BGB11</b>    |
| 1 1/4"              | <b>GB16</b>                             | 25              | <b>RGB16</b>                  | ---             |
| 1 1/2"              | <b>GB21</b>                             | 25              | <b>RGB21</b>                  | ---             |
| 2"                  | <b>GB26<sup>2</sup></b>                 | 10              | <b>RGB26<sup>1</sup></b>      | ---             |
| 2 1/2"              | <b>GB31</b>                             | 5               | ---                           | ---             |
| 3"                  | <b>GB36<sup>2</sup></b>                 | 5               | ---                           | ---             |
| 4"                  | <b>GB46</b>                             | 5               | ---                           | ---             |
| 6"                  | <b>GB66</b>                             | 2               | ---                           | ---             |

<sup>1</sup> not to be used with #250, #275 or #306 Boss™ clamps

<sup>2</sup> GB26 / GB36 have machined shank to accept Boss™ clamps, King Crimp™ sleeves, ferrules. Use only Boss clamps on GB26 / GB36 for steam service.



**Only use the crimp style shanks with the crimp style sleeves and ferrules.**

Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products. Pressure rating is based on the seal of the mating part. Reference [dixonvalve.com](http://dixonvalve.com) for a complete list of ratings.

The King Crimp™ sleeve and ferrule are not intended for steam service.





plated iron / steel



316 stainless steel



brass

## Boss™ Wing Nuts

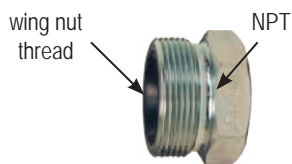
| Size   | Plated Steel<br>and / or Iron<br>Part # | Optional<br>Qty | 316 Stainless Steel<br>Part # | Brass<br>Part # |
|--------|---|-----------------|-------------------------------|-----------------|
| 1/4"   | <b>SLS4</b>                             | 100             | ---                           | ---             |
| 3/8"   | <b>CB</b>                               | 100             | ---                           | ---             |
| 1/2"   | <b>B2</b>                               | 100             | ---                           | ---             |
| 3/4"   | <b>B12</b>                              | 25              | <b>RB12</b>                   | <b>BB12</b>     |
| 1"     | <b>B12</b>                              | 25              | <b>RB12</b>                   | <b>BB12</b>     |
| 1 1/4" | <b>B17</b>                              | 25              | <b>RB17</b>                   | ---             |
| 1 1/2" | <b>B17</b>                              | 25              | <b>RB17</b>                   | ---             |
| 2"     | <b>B27</b>                              | 10              | <b>RB27</b>                   | ---             |
| 2 1/2" | <b>B32</b>                              | 5               | ---                           | ---             |
| 3"     | <b>B37</b>                              | 5               | ---                           | ---             |
| 4"     | <b>B47</b>                              | 5               | ---                           | ---             |
| 6"     | <b>B67</b>                              | 2               | ---                           | ---             |

## Boss™ Knurled Nut



| Size        | Plated Steel<br>Part # | Optional<br>Qty |
|-------------|------------------------|-----------------|
| 3/4" and 1" | <b>KB12</b>            | 25              |

## Boss™ Ground Joint Female Spuds



| Thread | Plated Steel<br>and / or Iron<br>Part # | Optional<br>Qty | 316 Stainless Steel<br>Part # | Brass<br>Part # |
|--------|---|-----------------|-------------------------------|-----------------|
| 1/4"   | <b>GBC<sup>1</sup></b>                  | 100             | ---                           | ---             |
| 3/8"   | <b>GCC<sup>1</sup></b>                  | 100             | ---                           | ---             |
| 1/2"   | <b>GB3</b>                              | 100             | ---                           | ---             |
| 3/4"   | <b>GB8</b>                              | 50              | <b>RGB8</b>                   | <b>BGB8</b>     |
| 1"     | <b>GB13</b>                             | 50              | <b>RGB13</b>                  | <b>BGB13</b>    |
| 1 1/4" | <b>GB18</b>                             | 25              | <b>RGB18</b>                  | ---             |
| 1 1/2" | <b>GB23</b>                             | 25              | <b>RGB23</b>                  | ---             |
| 2"     | <b>GB28</b>                             | 10              | <b>RGB28</b>                  | ---             |
| 2 1/2" | <b>GB33</b>                             | 5               | ---                           | ---             |
| 3"     | <b>GB38</b>                             | 5               | ---                           | ---             |
| 4"     | <b>GB48</b>                             | 5               | ---                           | ---             |
| 6"     | <b>GB68<sup>1</sup></b>                 | 2               | ---                           | ---             |

<sup>1</sup> 1/4", 3/8" and 6" available only with copper seat spuds, all other sizes have polymer seats

**Boss™ Ground Joint Male Spuds**

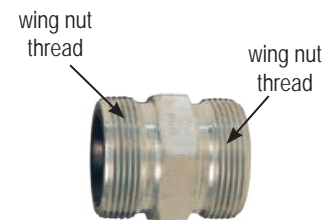
| Thread | Plated Steel<br>Part # | Plated Iron<br>Part # |
|--------|------------------------|-----------------------|
| 3/8"   | <b>GMC<sup>1</sup></b> | ---                   |
| 1/2"   | <b>GM3</b>             | ---                   |
| 3/4"   | <b>GM8</b>             | ---                   |
| 1"     | <b>GM13</b>            | ---                   |
| 1 1/4" | ---                    | <b>GM18</b>           |
| 1 1/2" | ---                    | <b>GM23</b>           |
| 2"     | ---                    | <b>GM28</b>           |
| 2 1/2" | ---                    | <b>GM33</b>           |
| 3"     | ---                    | <b>GM38</b>           |


Hose Coupling  
Systems

<sup>1</sup> 1/4", 3/8" and 6" available only with copper seat spuds, all other sizes have polymer seats

**Boss™ Ground Joint Double Spuds**

| Thread            | Plated Steel<br>Part # | Plated Iron<br>Part # |
|-------------------|------------------------|-----------------------|
| 1/2"              | <b>GDB3</b>            | ---                   |
| 3/4" and 1"       | <b>GDB13</b>           | ---                   |
| 1 1/4" and 1 1/2" | ---                    | <b>GDB23</b>          |
| 2"                | ---                    | <b>GDB28</b>          |
| 2 1/2"            | ---                    | <b>GDB33</b>          |
| 3"                | ---                    | <b>GDB38</b>          |

**Boss Holedall™ Fittings****Applications:**

- designed for air and liquid applications where a permanent, low profile clamping system is desired
- not for steam service 

**Features:**

- supplied with carbon steel ferrules
- consult Dixon® for swage and/or crimp specifications

| Size   | Hose OD  |          | Plated Iron / Steel<br>Part # | Stainless Steel<br>Part # |
|--------|----------|----------|-------------------------------|---------------------------|
|        | From     | To       |                               |                           |
| 3/4"   | 1-10/64" | 1-14/64" | <b>GF26P1</b>                 | ---                       |
|        | 1-15/64" | 1-18/64" | <b>GF26P2</b>                 | ---                       |
|        | 1-19/64" | 1-22/64" | <b>GF26P3</b>                 | ---                       |
| 1"     | 1-30/64" | 1-34/64" | <b>GF36P1</b>                 | ---                       |
|        | 1-35/64" | 1-38/64" | <b>GF36P2</b>                 | ---                       |
|        | 1-39/64" | 1-42/64" | <b>GF36P3</b>                 | ---                       |
| 1 1/2" | 1-58/64" | 2"       | <b>GF61P1</b>                 | <b>RGF61P1</b>            |
|        | 2-1/64"  | 2-8/64"  | <b>GF61P2</b>                 | <b>RGF61P2</b>            |
|        | 2-9/64"  | 2-16/64" | <b>GF61P3</b>                 | ---                       |
| 2"     | 2-28/64" | 2-40/64" | <b>GF81P1<sup>1</sup></b>     | <b>RGF81P1</b>            |
|        | 2-41/64" | 2-48/64" | <b>GF81P2<sup>1</sup></b>     | <b>RGF81P2</b>            |
|        | 2-49/64" | 2-56/64" | <b>GF81P3<sup>1</sup></b>     | ---                       |
| 3"     | 3-30/64" | 3-40/64" | <b>GF111P1<sup>1</sup></b>    | ---                       |
|        | 3-41/64" | 3-48/64" | <b>GF111P2<sup>1</sup></b>    | ---                       |
|        | 3-49/64" | 3-56/64" | <b>GF111P3<sup>1</sup></b>    | ---                       |

<sup>1</sup> 2" and 3" have a machined shank



## Boss™ Adapters

## Female NPT

## Features:

- designed to fit the standard ground joint spuds on pages 68, 69
- supplied with a wing nut, as shown
- for safety tags and safety tape, see page 910



| Size   | Plated Steel and / or Iron | NEW 316 Stainless Steel |
|--------|----------------------------|-------------------------|
|        | Part #                     | Part #                  |
| 3/4"   | <b>GFAS6</b>               | <b>RGFAS6</b>           |
| 1"     | <b>GFAS11</b>              | <b>RGFAS11</b>          |
| 1 1/4" | <b>GFAS16</b>              | ---                     |
| 1 1/2" | <b>GFAS21</b> <sup>1</sup> | ---                     |
| 2"     | <b>GFAS26</b>              | ---                     |
| 3"     | <b>GFAS36</b>              | ---                     |

<sup>1</sup> part is produced as a welded fabrication

## Male NPT



| Size   | Plated Steel and / or Iron | NEW 316 Stainless Steel |
|--------|----------------------------|-------------------------|
|        | Part #                     | Part #                  |
| 3/4"   | <b>GMAS6</b>               | <b>RGMAS6</b>           |
| 1"     | <b>GMAS11</b>              | ---                     |
| 1 1/4" | <b>GMAS16</b>              | ---                     |
| 1 1/2" | <b>GMAS21</b>              | ---                     |
| 2"     | <b>GMAS26</b> <sup>1</sup> | ---                     |
| 3"     | <b>GMAS36</b>              | ---                     |

<sup>1</sup> uses a special wing nut, part # B27-1

## Boss™ Wing Nut Caps

## Features:

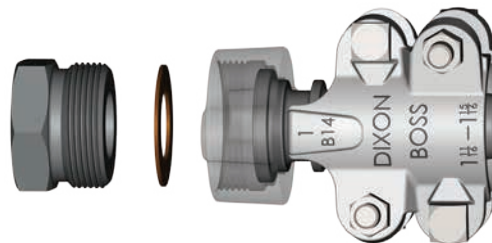
- supplied with 12" chain and washer
- for best results, use with washer style spuds and washers on page 72
- not intended for pressure applications



| Size              | Plated Steel and / or Iron<br>Part # | 316 Stainless Steel<br>Part # | Opt Qty |
|-------------------|--------------------------------------|-------------------------------|---------|
| 3/4" and 1"       | <b>B12SC</b>                         | <b>RB12SC</b>                 | 25      |
| 1 1/4" and 1 1/2" | <b>B17SC</b>                         | ---                           | 25      |
| 2"                | <b>B27SC</b>                         | ---                           | 10      |
| 3"                | <b>B37SC</b>                         | ---                           | 5       |

**Features:**

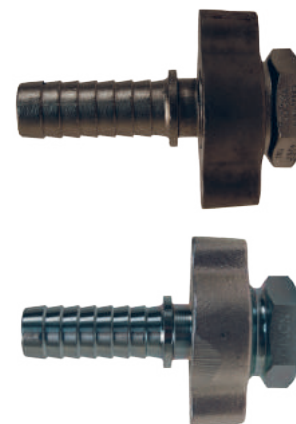
- recommended for steam service up to **450°F (232°C)**
- easy to seal
- Klingersil® C-4401 washer is inserted between the stem and spud
- leakproof seal forms by rotating the wing nut and hammering it tight
- use with Boss™ clamps found on pages 75 - 76
- use with wing nuts found on page 68



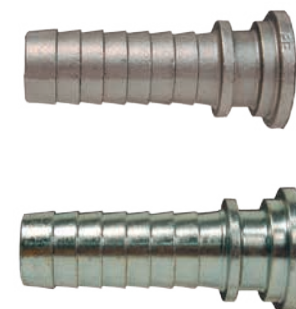
Hose Coupling Systems

**BOSS™ Washer Seal Couplings with Female Spud**

| Hose Shank<br>x NPT | Plated Steel and / or Iron<br>Part # | 316 Stainless Steel<br>Part # |
|---------------------|--------------------------------------|-------------------------------|
| 3/8"                | <b>WF3</b>                           | ---                           |
| 1/2"                | <b>WF6</b>                           | ---                           |
| 1/2" x 3/4"         | <b>WF26-1</b>                        | ---                           |
| 3/4"                | <b>WF26</b>                          | <b>RWF26</b>                  |
| 1"                  | <b>WF36</b>                          | <b>RWF36</b>                  |
| 1 1/4"              | <b>WF51</b>                          | <b>RWF51</b>                  |
| 1 1/2"              | <b>WF61</b>                          | <b>RWF61</b>                  |
| 2"                  | <b>WF81</b> <sup>1</sup>             | <b>RWF81</b> <sup>1</sup>     |
| 2 1/2"              | <b>WF96</b>                          | ---                           |
| 3"                  | <b>WF111</b>                         | ---                           |

<sup>1</sup> not to be used with #250, #275 or #306 Boss™ clamps**BOSS™ Washer Seal Stems**

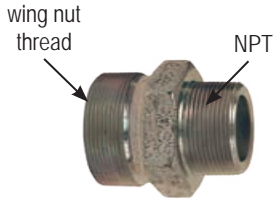
| Hose Shank<br>x NPT | Plated Steel and / or Iron<br>Part # | Opt Qty | 316 Stainless Steel<br>Part # |
|---------------------|--------------------------------------|---------|-------------------------------|
| 3/8"                | <b>SS337</b>                         | 100     | ---                           |
| 1/2"                | <b>B1</b>                            | 100     | ---                           |
| 1/2" x 3/4"         | <b>B6-1</b>                          | 50      | ---                           |
| 3/4"                | <b>B6</b>                            | 50      | <b>RB6</b>                    |
| 1"                  | <b>B11</b>                           | 50      | <b>RB11</b>                   |
| 1 1/4"              | <b>B16</b>                           | 25      | <b>RB16</b>                   |
| 1 1/2"              | <b>B21</b>                           | 25      | <b>RB21</b>                   |
| 2"                  | <b>B26</b> <sup>1</sup>              | 10      | <b>RB26</b> <sup>1</sup>      |
| 2 1/2"              | <b>B31</b>                           | 5       | ---                           |
| 3"                  | <b>B36</b>                           | 5       | ---                           |

<sup>1</sup> not to be used with #250, #275 or #306 Boss™ clamps**BOSS™ Washer Seal Female Spuds**

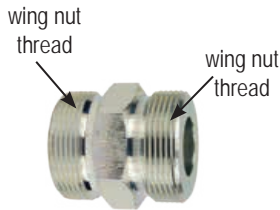
| Thread Size | Plated Steel and / or Iron<br>Part # | Opt Qty | 316 Stainless Steel<br>Part # |
|-------------|--------------------------------------|---------|-------------------------------|
| 3/8"        | <b>CC</b>                            | 100     | ---                           |
| 1/2"        | <b>B3</b>                            | 100     | ---                           |
| 3/4"        | <b>B8</b>                            | 25      | <b>RB8</b>                    |
| 1"          | <b>B13</b>                           | 50      | <b>RB13</b>                   |
| 1 1/4"      | <b>B18</b>                           | 25      | <b>RB18</b>                   |
| 1 1/2"      | <b>B23</b>                           | 25      | <b>RB23</b>                   |
| 2"          | <b>B28</b>                           | 10      | <b>RB28</b>                   |
| 2 1/2"      | <b>B33</b>                           | 5       | ---                           |
| 3"          | <b>B38</b>                           | 5       | ---                           |





**Boss™ Washer Seal Male Spuds**

| Thread | Plated Steel or Iron<br>Part # |
|--------|--------------------------------|
| 3/8"   | <b>WMC</b> <sup>1</sup>        |
| 1/2"   | <b>WM3</b> <sup>1</sup>        |
| 3/4"   | <b>WM8</b> <sup>1</sup>        |
| 1"     | <b>WM13</b> <sup>1</sup>       |
| 1 1/4" | <b>WM18</b> <sup>2</sup>       |
| 1 1/2" | <b>WM23</b> <sup>2</sup>       |
| 2"     | <b>WM28</b> <sup>2</sup>       |
| 3"     | <b>WM38</b> <sup>2</sup>       |

<sup>1</sup> plated steel<sup>2</sup> plated iron**Boss™ Washer Seal Double Spuds**

| Thread | Plated Steel or Iron<br>Part # |
|--------|--------------------------------|
| 3/8"   | ---                            |
| 1/2"   | <b>DB3</b> <sup>1</sup>        |
| 3/4"   | <b>DB13</b> <sup>1</sup>       |
| 1"     | <b>DB13</b> <sup>1</sup>       |
| 1 1/4" | <b>DB23</b> <sup>2</sup>       |
| 1 1/2" | <b>DB23</b> <sup>2</sup>       |
| 2"     | <b>DB28</b> <sup>2</sup>       |
| 3"     | <b>DB38</b> <sup>2</sup>       |

<sup>1</sup> plated steel<sup>2</sup> plated iron**Boss™ Washer Seal Washers**

| Size   | Nitrile Rubber Bonded, Non-Asbestos Klingsil® C-4401<br>Part # |
|--------|--|
| 3/8"   | <b>WBC</b>   |
| 1/2"   | <b>W2</b>  |
| 3/4"   | <b>W12</b>   |
| 1"     | <b>W12</b>   |
| 1 1/4" | <b>W17</b>   |
| 1 1/2" | <b>W17</b>   |
| 2"     | <b>W27</b>   |
| 2 1/2" | <b>W32</b>   |
| 3"     | <b>W37</b>   |

## Boss™ Male Stems

## Features:

- recommended for steam service up to **450°F (232°C)**
- use with Boss™ clamps on pages 75 - 76 for safety tags and safety tape see page 910

| Hose x NPT size | Plated Steel Bar Stock Part # | Opt Qty | Size   | Plated Iron Part # | Opt Qty |
|-----------------|-------------------------------|---------|--------|--------------------|---------|
| 1/4" x 1/8"     | <b>MS4X2</b>                  | 100     | ---    | ---                | ---     |
| 1/4" x 1/4"     | <b>MSA</b>                    | 100     | ---    | ---                | ---     |
| 1/4" x 3/8"     | <b>MSB</b>                    | 25      | ---    | ---                | ---     |
| 3/8" x 1/4"     | <b>MS6X4</b>                  | 100     | 1 1/4" | <b>MS16</b>        | 20      |
| 3/8" x 3/8"     | <b>MSC</b>                    | 100     | 1 1/2" | <b>MS21</b>        | 20      |
| 3/8" x 1/2"     | <b>MS6X8</b>                  | 50      | 2"     | <b>MS26</b>        | 10      |
| 1/2" x 1/4"     | <b>MS8X4</b>                  | 50      | 2 1/2" | <b>MS31</b>        | 5       |
| 1/2" x 3/8"     | <b>MS8X6</b>                  | 50      | 3"     | <b>MS36</b>        | 5       |
| 1/2" x 1/2"     | <b>MS1</b>                    | 50      | 4"     | <b>MS46</b>        | 2       |
| 1/2" x 3/4"     | <b>MS8X12</b>                 | 25      | ---    | ---                | ---     |
| 3/4" x 1/2"     | <b>MS12X8</b>                 | 25      | ---    | ---                | ---     |
| 3/4" x 3/4"     | <b>MS6</b>                    | 50      | ---    | ---                | ---     |
| 3/4" x 1"       | <b>MS12X16</b>                | 25      | ---    | ---                | ---     |
| 1" x 3/4"       | <b>MS16X12</b>                | 25      | ---    | ---                | ---     |
| 1" x 1"         | <b>MS11</b>                   | 25      | ---    | ---                | ---     |

| Size   | 316 Stainless Part # | Size   | Brass Part # |
|--------|----------------------|--------|--------------|
| 1/2"   | <b>RMS1</b>          | ---    | ---          |
| 3/4"   | <b>RMS6</b>          | 3/4"   | <b>BMS6</b>  |
| 1"     | <b>RMS11</b>         | 1"     | <b>BMS11</b> |
| 1 1/4" | <b>RMS16</b>         | 1 1/4" | <b>BMS16</b> |
| 1 1/2" | <b>RMS21</b>         | 1 1/2" | <b>BMS21</b> |
| 2"     | <b>RMS26</b>         | 2"     | <b>BMS26</b> |
| 2 1/2" | <b>RMS31</b>         | ---    | ---          |
| 3"     | ---                  | 3"     | ---          |



plated steel



plated iron



316 stainless



brass



## LP Boss™ Male Stems - Male NPT End

| Size | Schedule 40<br>Plated Steel<br>Part # | Schedule 40<br>Stainless Steel<br>Part # | Schedule 80<br>Plated Steel<br>Part # |
|------|---------------------------------------|--|---------------------------------------|
| 1¼"  | <b>LP16</b>                           | ---                                      | <b>LP16-80</b> <sup>1</sup>           |
| 1½"  | <b>LP21</b>                           | ---                                      | <b>LP21-80</b> <sup>1</sup>           |
| 2"   | <b>LP26</b>                           | ---                                      | <b>LP26-80</b> <sup>1</sup>           |
| 2½"  | <b>LP31</b>                           | ---                                      | ---                                   |
| 3"   | <b>LP36</b>                           | <b>RLP36</b>                             | ---                                   |
| 4"   | <b>LP46</b>                           | <b>RLP46</b>                             | ---                                   |
| 6"   | <b>LP66</b>                           | ---                                      | ---                                   |

<sup>1</sup> schedule 80 stems meet NFPA 58

## LP Boss™ Male Stems - Beveled End

| Size | Schedule 40 Unplated Steel<br>Part # |
|------|--------------------------------------|
| 2"   | <b>LPB26</b>                         |
| 3"   | <b>LPB36</b>                         |

## Boss™ Hose Menders

## Features:

- collars designed to engage gripping fingers of Boss™ clamps
- ¾" - 3" plated iron; ½" plated steel



| Size | Part #     |
|------|------------|
| ½"   | <b>M1</b>  |
| ¾"   | <b>M6</b>  |
| 1"   | <b>M11</b> |
| 1¼"  | <b>M16</b> |
| 1½"  | <b>M21</b> |
| 2"   | <b>M26</b> |
| 2½"  | <b>M31</b> |
| 3"   | <b>M36</b> |

## Boss™ Spud x Hose Shank

## Material:

- seat: polymer



| Thread | Steel<br>Part # |
|--------|-----------------|
| 1"     | <b>GH1311</b>   |
| 2"     | <b>GH2826</b>   |

## Boss™ Clamps

**⚠ WARNING**

- The bolts used in the Boss™ interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length and material hardness. These bolts can be retorqued, but it is **not** recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. *Do not lubricate nuts and bolts.*
- For all Bolt Tightening Sequences, please visit [dixonvalve.com](http://dixonvalve.com)

**Features:**

- recommended for steam service up to **450°F (232°C)**
- recommended torque rating in ft. lbs.
- replacement nuts and bolts are available, contact Dixon® for more information

**2 Bolt Type, 2 Gripping Fingers**

| Hose ID | Hose OD  |          | Zinc Plated Iron Part # | Pkg Qty | Stainless Steel <sup>4</sup> Part # | Torque ft. lbs. <sup>2</sup> | Brass Part # | Torque |
|---------|----------|----------|-------------------------|---------|-------------------------------------|------------------------------|--------------|--------|
|         | from     | to       |                         |         |                                     |                              |              |        |
| 1/4"    | 36/64"   | 42/64"   | <b>BD<sup>3</sup></b>   | 100     | ---                                 | 6                            | ---          | ---    |
| 3/8"    | 44/64"   | 56/64"   | <b>CD<sup>3</sup></b>   | 100     | ---                                 | 6                            | ---          | ---    |
| 1/2"    | 52/64"   | 60/64"   | <b>DD<sup>3</sup></b>   | 100     | ---                                 | 6                            | ---          | ---    |
| 1/2"    | 60/64"   | 1-4/64"  | <b>B4<sup>3</sup></b>   | 25      | <b>RB4</b>                          | 12                           | <b>BB4</b>   | 10     |
| 1/2"    | 1-4/64"  | 1-12/64" | <b>B5</b>               | 25      | ---                                 | 12                           | ---          | ---    |
| 3/4"    | 1-10/64" | 1-20/64" | <b>BU9<sup>3</sup></b>  | 50      | <b>RBU9</b>                         | 21                           | <b>BBU9</b>  | 18     |
| 3/4"    | 1-20/64" | 1-32/64" | <b>B9</b>               | 25      | <b>RB9</b>                          | 21                           | ---          | ---    |
| 3/4"    | 1-32/64" | 1-44/64" | <b>B10<sup>3</sup></b>  | 25      | ---                                 | 21                           | ---          | ---    |

**4 Bolt Type, 2 Gripping Fingers**

| Hose ID | Hose OD  |          | Zinc Plated Iron Part # | Pkg Qty | Stainless Steel <sup>4</sup> Part # | Torque <sup>2</sup> ft. lbs. | Brass Part #             | Torque |
|---------|----------|----------|-------------------------|---------|-------------------------------------|------------------------------|--------------------------|--------|
|         | from     | to       |                         |         |                                     |                              |                          |        |
| 1"      | 1-34/64" | 1-46/64" | <b>BU14</b>             | 25      | <b>RBU14</b>                        | 21                           | <b>BBU14</b>             | 18     |
| 1"      | 1-44/64" | 1-60/64" | <b>B14</b>              | 25      | <b>RB14</b>                         | 21                           | ---                      | ---    |
| 1"      | 1-60/64" | 2-8/64"  | <b>B15</b>              | 20      | ---                                 | 21                           | ---                      | ---    |
| 1 1/4"  | 1-32/64" | 1-50/64" | <b>BU18</b>             | 20      | ---                                 | 40                           | ---                      | ---    |
| 1 1/4"  | 1-50/64" | 2-6/64"  | <b>BU19</b>             | 10      | ---                                 | 40                           | ---                      | ---    |
| 1 1/4"  | 2-8/64"  | 2-24/64" | <b>B19</b>              | 10      | <b>RB19</b>                         | 40                           | ---                      | ---    |
| 1 1/2"  | 1-52/64" | 2"       | <b>BU22</b>             | 10      | ---                                 | 40                           | ---                      | ---    |
| 1 1/2"  | 2"       | 2-14/64" | <b>B22</b>              | 10      | ---                                 | 40                           | ---                      | ---    |
| 1 1/2"  | 2-12/64" | 2-24/64" | <b>BU24</b>             | 10      | <b>RBU24</b>                        | 40                           | ---                      | ---    |
| 1 1/2"  | 2-24/64" | 2-36/64" | <b>B24</b>              | 10      | <b>RB24</b>                         | 40                           | ---                      | ---    |
| 1 1/2"  | 2-36/64" | 2-48/64" | <b>B25</b>              | 10      | ---                                 | 40                           | ---                      | ---    |
| 2"      | 2-22/64" | 2-34/64" | <b>BU28</b>             | 9       | ---                                 | 60                           | ---                      | ---    |
| 2"      | 2-32/64" | 2-50/64" | <b>BU29</b>             | 10      | <b>RBU29</b>                        | 60                           | <b>BBU29<sup>1</sup></b> | 40     |
| 2"      | 2-48/64" | 3-4/64"  | <b>B29</b>              | 10      | <b>RB29</b>                         | 60                           | ---                      | ---    |
| 2"      | 3-6/64"  | 3-28/64" | <b>B30</b>              | 5       | ---                                 | 60                           | ---                      | ---    |
| 2 1/2"  | 3-6/64"  | 3-28/64" | <b>BU34</b>             | 5       | ---                                 | 60                           | ---                      | ---    |
| 2 1/2"  | 3-32/64" | 3-60/64" | <b>B34</b>              | 5       | ---                                 | 150                          | ---                      | ---    |
| 3"      | 3-32/64" | 3-60/64" | <b>BU35</b>             | 5       | <b>RBU35</b>                        | 150                          | ---                      | ---    |
| 3"      | 3-52/64" | 4-4/64"  | <b>B35</b>              | 5       | ---                                 | 150                          | ---                      | ---    |
| 3"      | 4-4/64"  | 4-28/64" | <b>B39</b>              | 5       | ---                                 | 200                          | ---                      | ---    |



<sup>1</sup> will become obsolete as inventory is depleted

<sup>2</sup> torque applies to plated iron and stainless steel clamps

<sup>3</sup> global investment cast carbon steel

<sup>4</sup> When installing stainless steel bolts and nuts, the use of anti-seize or anti-galling lubricant is advised. A light coat is required on the bolt threads to prevent thread galling and artificial torque reading.

## Boss™ Clamps

**⚠ WARNING**

- The bolts used in the Boss™ interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length and material hardness. These bolts can be retorqued, but it is **not** recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. *Do not lubricate nuts and bolts.*
- for all bolt tightening sequences, please visit [dixonvalve.com](http://dixonvalve.com)

**Features:**

- recommended for steam service up to **450°F (232°C)**
- recommended torque rating in ft. lbs.
- replacement nuts and bolts are available, contact Dixon® for more information

**4 Bolt Type, 4 Gripping Fingers**

| Hose ID | Hose OD  |          | Zinc Plated Iron Part # | Optional Qty | Torque Ft. Lbs. |
|---------|----------|----------|-------------------------|--------------|-----------------|
|         | from     | to       |                         |              |                 |
| ½"      | 58/64"   | 1-2/64"  | <b>968</b>              | 50           | 6               |
| 1"      | 1-26/64" | 1-36/64" | <b>156</b>              | 20           | 21              |
| 1¼"     | 1-44/64" | 1-56/64" | <b>187</b>              | 10           | 21              |
| 1¼"     | 1-56/64" | 2-4/64"  | <b>206</b>              | 20           | 21              |
| 1½"     | 2"       | 2-8/64"  | <b>212</b>              | 10           | 21              |
| 1½"     | 2-4/64"  | 2-16/64" | <b>225</b>              | 10           | 40              |
| 2"      | 2-16/64" | 2-32/64" | <b>250</b> <sup>1</sup> | 10           | 40              |
| 2"      | 2-32/64" | 2-48/64" | <b>275</b> <sup>1</sup> | 10           | 40              |
| 2"      | 2-48/64" | 3-4/64"  | <b>306</b> <sup>1</sup> | 5            | 60              |
| 2½"     | 3-4/64"  | 3-32/64" | <b>350</b>              | 5            | 60              |
| 3"      | 3-32/64" | 3-48/64" | <b>375</b>              | 5            | 60              |
| 3"      | 3-48/64" | 4"       | <b>401</b>              | 5            | 150             |
| 3"      | 4"       | 4-12/64" | <b>418</b>              | 2            | 200             |
| 3"      | 4-12/64" | 4-32/64" | <b>450</b>              | 2            | 200             |

<sup>1</sup> not to be used with GF81, GB26, WF81, B26, RGF81, RGB26, BGF81, RWF81, RB26

**6 Bolt Type, 3 Gripping Fingers**

| Hose ID | Hose OD  |          | Zinc Plated Iron Part # | Optional Qty | Torque Ft. Lbs. |
|---------|----------|----------|-------------------------|--------------|-----------------|
|         | from     | to       |                         |              |                 |
| 3"      | 4-16/64" | 4-52/64" | <b>BS39</b>             | 2            | 150             |
| 4"      | 4-40/64" | 5"       | <b>B45</b>              | 3            | 150             |
| 4"      | 4-56/64" | 5-16/64" | <b>BS49</b>             | 2            | 200             |
| 4"      | 5-16/64" | 5-38/64" | <b>BU49</b>             | 2            | 200             |
| 4"      | 5-34/64" | 5-60/64" | <b>B49</b>              | 2            | 200             |

**6 Bolt Type, 6 Gripping Fingers**

| Hose ID | Hose OD  |          | Zinc Plated Iron Part # | Optional Qty | Torque Ft. Lbs. |
|---------|----------|----------|-------------------------|--------------|-----------------|
|         | from     | to       |                         |              |                 |
| 6"      | 6-56/64" | 7-24/64" | <b>750</b>              | 1            | 200             |
| 6"      | 7-32/64" | 8"       | <b>850</b>              | 1            | 200             |

**Ground Joint Air Hammer Couplings with Female Spud****Female Spud****Features:**

- rounded steel head of stem fits concave inserts in spuds for superior sealing
- metal-to-metal copper seat seal
- for use with Boss™ clamps on page 75 -76

| Style      | NPT Size | Plated Steel / Iron<br>Part # |
|------------|----------|-------------------------------|
| Compact    | 1/2"     | <b>GDF6</b>                   |
|            | 3/4"     | <b>GDF8</b>                   |
| Heavy Duty | 3/4"     | <b>GDF10</b>                  |
|            | 1"       | <b>GDF12</b>                  |



Hose Coupling Systems

**Stems**

| Style      | Hose ID | Plated Steel<br>Part # |
|------------|---------|------------------------|
| Compact    | 1/2"    | <b>GBA45</b>           |
|            | 3/4"    | <b>GBA46</b>           |
| Heavy Duty | 3/4"    | <b>GBB18</b>           |
|            | 1"      | <b>GBB11</b>           |

**Wing Nuts**

| Style      | Hose ID<br>and NPT Sizes | Coarse<br>Nut Thread | Iron<br>Part # |
|------------|--------------------------|----------------------|----------------|
| Compact    | 1/2"                     | 1-31/64" OD x 8 TPI  | <b>J47</b>     |
|            | 3/4"                     |                      | <b>J47</b>     |
| Heavy Duty | 3/4"                     | 1-47/64" OD x 8 TPI  | <b>DLB12</b>   |
|            | 1"                       |                      | <b>DLB12</b>   |

**Female Spuds**

| Style      | NPT Size | Coarse<br>Nut Thread | Plated Steel w/ Copper seat<br>Part # |
|------------|----------|----------------------|---------------------------------------|
| Compact    | 1/2"     | 1-31/64" OD x 8 TPI  | <b>GJ65</b>                           |
|            | 3/4"     |                      | <b>GJ55</b>                           |
| Heavy Duty | 3/4"     | 1-47/64" OD x 8 TPI  | <b>GDL8</b>                           |
|            | 1"       |                      | <b>GDL13</b>                          |

**Male Spuds**

| Style      | Hose ID<br>and NPT Sizes | Coarse<br>Nut Thread | Plated Steel w/ Copper seat<br>Part # |
|------------|--------------------------|----------------------|---------------------------------------|
| Compact    | 1/2"                     | 1-31/64" OD x 8 TPI  | <b>GJ60</b>                           |
|            | 3/4"                     |                      | <b>GJ50</b>                           |
| Heavy Duty | 3/4"                     | 1-47/64" OD x 8 TPI  | <b>GDL7</b>                           |
|            | 1"                       |                      | <b>GDL10</b>                          |

**Double Spuds**

| Style      | Hose ID<br>and NPT Sizes | Coarse<br>Nut Thread | Plated Steel w/ Copper seat<br>Part # |
|------------|--------------------------|----------------------|---------------------------------------|
| Compact    | 1/2"                     | 1-31/64" OD x 8 TPI  | <b>GJ75</b>                           |
|            | 3/4"                     |                      | <b>GJ75</b>                           |
| Heavy Duty | 3/4"                     | 1-47/64" OD x 8 TPI  | <b>GDL25</b>                          |
|            | 1"                       |                      | <b>GDL25</b>                          |





## Dixon® Frac Fittings

### Application:

- used in the fast paced transfer of water, chemicals and sand slurry to a hydraulic fracturing site

### Features:

- one-piece stem design eliminates the leak path common with two-piece threaded systems
- interchangeable with current fittings; phase them into your operation
- designed to work with Dixon® King Crimp™ sleeves or ferrules.
- 400 PSI** working pressure at **70°F (21°C)** for 3" and 4" sizes; 4:1 safety factor (SF) <sup>1</sup>
- 230 PSI** working pressure at **70°F (21°C)** for 6" size; 4:1 safety factor (SF)
- 150 PSI** working pressure at **70°F (21°C)** for 8" size; 3:1 safety factor (SF)



<sup>1</sup> 400 PSI working pressure with a minimum 4:1 safety factor (*hose burst: hose working pressure*) is only achieved with:

- 3" size uses standard crimp ferrules
- 4" size requires heavy duty (HD) crimp ferrules, CF400-6CSDH through CF400-16CSDH and heavy duty stems

Note: Water and petroleum transfer hoses rated from 100 to 300 PSI WP (4:1 SF) have excellent test results with the standard King Crimp™ ferrules CF400-xxCS.

### Materials:

- fittings: machined iron to ASTM standards; all stems zinc plated
- male 3", 4" and 6" NPT fittings are schedule 80 pipe; 8" NPT fittings are schedule 40 pipe; all sizes meet ASTM standards
- nut: forged steel meeting AISI standards

### Complete Male / Female Assembly



4"

| Size | Figure | Part #                  |
|------|--------|-------------------------|
| 2"   | 206    | <b>NEW</b> HUMF206200CS |
| 3"   | 100    | HUMF100300CS            |
|      | 206    | HUMF206300CS            |
| 4"   | 100    | HUMF100400CS            |
|      | 206    | HUMF206400CS            |
| 6"   | 100    | HUMF100600CS            |
|      | 206    | HUMF206600CS            |
| 8"   | 100    | HUMF100800CS            |
|      | 206    | HUMF206800CS            |

### Female



3" and 4"



8"

| Size | Figure | Part #                   |
|------|--------|--------------------------|
| 2"   | 206    | <b>NEW</b> HUF206200CS   |
| 3"   | 100    | HUF100300CS              |
|      | 206    | HUF206300CS              |
| 4"   | 100    | HUF100400CS              |
|      | 206    | HUF206400CS              |
| 6"   | 100    | HUFALL600CS <sup>1</sup> |
|      | 206    |                          |
| 8"   | 100    | HUFALL800CS <sup>1</sup> |
|      | 206    |                          |

<sup>1</sup> meets both figure 100 and 206 dimensional specifications

**Dixon® Frac Fittings****Male with Nut**

| Size | Figure | Part #                                     |
|------|--------|--|
| 2"   | 206    | <i>HUM206200CS</i> <sup>1</sup> <b>NEW</b> |
| 3"   | 100    | <i>HUM100300CS</i>                         |
|      | 206    | <i>HUM206300CS</i> <sup>1</sup>            |
| 4"   | 100    | <i>HUM100400CS</i>                         |
|      | 206    | <i>HUM206400CS</i> <sup>1</sup>            |
| 6"   | 100    | <i>HUM100600CS</i>                         |
|      | 206    | <i>HUM206600CS</i> <sup>1</sup>            |
| 8"   | 100    | <i>HUM100800CS</i>                         |
|      | 206    | <i>HUM206800CS</i> <sup>1</sup>            |

<sup>1</sup> includes nut and O-ring

3" and 4"



6" and 8"

Hose Coupling  
Systems**Suction Service Fittings**

| Size | Figure | Description   | Forged Steel Part # |
|------|--------|---|---------------------|
| 5"   | 50     | socket weld x suction male hammer union (includes O-ring, no nut) | <i>HUSM500SW-1</i>  |
|      |        | socket weld x suction female hammer union                         | <i>HUSF500SW</i>    |
| 5"   | N/A    | split nut, suction and discharge, black                           | <i>HUS500RN</i>     |



HUSM500SW-1



HUSF500SW

**Dixon® Frac Fitting O-rings**

| Size | Figure | Buna-N Part # |
|------|--------|---------------|
| 3"   | 206    | <i>O238BU</i> |
| 4"   | 206    | <i>O347BU</i> |
| 6"   | 206    | <i>O440BU</i> |
| 8"   | 206    | <i>O447BU</i> |

**King Crimp™ Style Short Frac Ferrules**

| Hose ID | Hose OD  |          | Ferrule Wall Thickness | Ferrule ID | Ferrule Overall Length | Carbon Steel Part # |
|---------|----------|----------|------------------------|------------|------------------------|---------------------|
|         | From     | To       |                        |            |                        |                     |
|         | 8-29/64" | 8-36/64" | .120"                  | 8.625"     | 4.25"                  | <i>CFS800-1CS</i>   |
|         | 8-37/64" | 8-44/64" | .120"                  | 8.750"     | 4.25"                  | <i>CFS800-2CS</i>   |
|         | 8-45/64" | 8-52/64" | .120"                  | 8.875"     | 4.25"                  | <i>CFS800-3CS</i>   |
|         | 8-53/64" | 8-60/64" | .120"                  | 9.000"     | 4.25"                  | <i>CFS800-4CS</i>   |
|         | 8-61/64" | 9-4/64"  | .120"                  | 9.125"     | 4.25"                  | <i>CFS800-5CS</i>   |
|         | 9-5/64"  | 9-12/64" | .120"                  | 9.250"     | 4.25"                  | <i>CFS800-6CS</i>   |
|         | 9-13/64" | 9-20/64" | .120"                  | 9.375"     | 4.25"                  | <i>CFS800-7CS</i>   |
|         | 9-21/64" | 9-28/64" | .120"                  | 9.500"     | 4.25"                  | <i>CFS800-8CS</i>   |



**Dixon® Hammer Union Nuts****One-Piece****Features:**

- long lasting and dependable nut
- all nuts are interchangeable with reliable brands
- cold working pressure: **2,000 PSI**
- 6" and 8" sizes have 4 lug design for more surface area to hammer



| Size | Figure | <i>Forged Steel AISI Standards<br/>Part #</i> |                  |
|------|--------|---|------------------|
| 2"   | 206    | <b>NEW</b>                                    | <b>HU206200N</b> |
| 3"   | 100    |   | <b>HU100300N</b> |
|      | 206    |   | <b>HU206300N</b> |
| 4"   | 100    |   | <b>HU100400N</b> |
|      | 206    |   | <b>HU206400N</b> |
| 6"   | 100    |   | <b>HU100600N</b> |
|      | 206    |   | <b>HU206600N</b> |
| 8"   | 100    |   | <b>HU100800N</b> |
|      | 206    |   | <b>HU206800N</b> |

**Two-Piece****Applications:**

- replacement for damaged hammer union nuts
- used with male one-piece flange adapters

**Features:**

- lug design provides enlarged surface area to hammer
- repair nut is pinned and bolted for perfect alignment
- nut can be installed on pre-existing hammer union assembly
- cold working pressure: **2,000 PSI**
- 4" Figure 200/206 nut is interchangeable with reliable brands
- 6" and 8" Figure 100/200/206 nuts are interchangeable with reliable brands
- available in other series and sizes, contact Dixon®


Dixon® recommends using Loctite® Threadlocker Red 271™ when bolting together two-piece hammer union nuts to ensure that bolts do not loosen when in service. Option two is to weld the seams of the split nut. Bolt torque recommendation is 60 foot pounds. 



figure 200 / 206



figure 100

| Size | Figure   | <i>Forged Steel AISI Standards<br/>Part #</i> |
|------|--|---|
| 4"   | split nut, figure 200/206, blue (includes bolts) | <b>HU200400RN</b>                             |
| 5"   | split nut, suction and discharge, black          | <b>HUS500RN</b>                               |
| 6"   | split nut, figure 100, black (includes bolts)    | <b>HU100600RN</b>                             |
|      | split nut, figure 200/206, blue (includes bolts) | <b>HU200600RN</b>                             |
| 8"   | split nut, figure 100, black (includes bolts)    | <b>HU100800RN</b>                             |
|      | split nut, figure 200/206, blue (includes bolts) | <b>HU200800RN</b>                             |

## Hammer Union Caps and Plugs

### Application:

- Prevents leakage of hydraulic fracturing fluids from hammer union connections used on manifolds and hose assemblies. Hammer union caps and plugs can be used in pressurized service or as dust caps/plugs on site or when transferring equipment.

### Features:

- forged steel construction ensures longevity, reliability and performance
- caps are designed with larger lugs for easier installation and disassembling and include a threaded bolt hole for attaching chain or cable
- plugs are designed with larger handle for easier installation and disassembling and include a handle hole to attach chain or cable
- forged steel meets AISI standards

### Blanking Caps

| Size | Figure | Description  | Forged Steel Part #      |
|------|--------|--|--------------------------|
| 2"   | 206    | includes nut/plug body, O-ring and retaining ring  | <b>NEW</b> HUC206200     |
| 4"   | 206    | includes nut/plug body, O-ring and retaining ring blue with nut/plug body and retaining ring with bolt & chain | HUC206400<br>HUC206400BC |
|      | 207    | cap only<br>blanking cap with bolt & chain   | HUC207400<br>HUC207400BC |
| 6"   | 206    | includes nut/plug body, o-ring and retaining ring  | <b>NEW</b> HUC206600     |
| 8"   | 206    | includes nut/plug body, o-ring and retaining ring  | HUC206800                |



HUC207400

### Blanking Plugs

| Size | Figure      | Description                                       | Forged Steel Part #      |
|------|-------------|---|--------------------------|
| 4"   | 207         | plug only<br>with chain and d-link (shackle/bolt) | HUP207400<br>HUP207400DC |
| 6"   | 100/200/206 | hammer union, connects to figures 100/200/206     | HUPALL600 <b>NEW</b>     |
| 8"   | 100/200/206 | hammer union, connects to figures 100/200/206     | HUPALL800                |



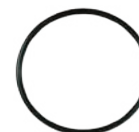
HUP207400



HUPALL600

### O-ring

| Size | Buna-N Part # |
|------|---------------|
| 4"   | 0429BU        |



## Dixon® One-Piece Flange Adapters

### Application:

- used in the transfer of water, brine, water-based chemicals, water-based acids, and gelatinous proppant (sand) slurry used at hydraulic fracturing sites
- use with **HU200400RN** two-piece nut

### Features:

- flange x female or male hammer union straights (standard or short length)
- 45° elbows in female and male (flange x hammer union)
- no welds or pipe threads to deteriorate and cause premature leakage
- two-piece nut is pinned and bolted for perfect alignment
- all 4" Figure 206 threads are interchangeable with other reliable brands
- 125# flange match the bolt pattern of 150# flange
- iron adapters meet ASTM standards
- forged steel nuts meet AISI standards



HUF206400FLG

NEW

NEW

### Flange Adapters - Straight

| Size | Figure             | Description  | Overall Length        | Iron Part #                     |
|------|--------------------|--|-----------------------|---------------------------------|
| 4"   | 206                | female hammer union x 125# flange                                  | 5-1/8"                | <b>HUF206400FLG</b>             |
|      |                    | male hammer union x 125# flange includes nut and Buna-N O-ring     | 5-9/16"<br>(with nut) | <b>HUM206400FLG</b>             |
| 6"   | 100/200/206<br>206 | 125# flange x female hammer union; connects to figures 100/200/206 | 4-1/2"                | <b>HUFALL600FLG</b>             |
|      |                    | 125# flange x male (includes iron nut and O-ring)                  | 4-15/16"              | <b>HUM206600FLG<sup>1</sup></b> |
| 8"   | 100/200/206<br>206 | 125# flange x female hammer union; connects to figures 100/200/206 | 4-1/2"                | <b>HUFALL800FLG</b>             |
|      |                    | 125# flange x male (includes nut and O-ring)                       | 5-7/32"               | <b>HUM206800FLG<sup>1</sup></b> |

<sup>1</sup> nut is iron

### Flange Adapters - Short



HUM206400FLG-ST

| Size | Figure | Description  | Overall Length | Iron Part #            |
|------|--------|--|----------------|------------------------|
| 4"   | 206    | female hammer union x 125# flange short                              | 3"             | <b>HUF206400FLG-ST</b> |
|      |        | male hammer union x 125# flange short includes nut and Buna-N O-ring | 3-13/32"       | <b>HUM206400FLG-ST</b> |

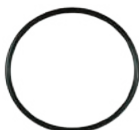
### Flange Adapters - 45° Elbow



HUM206400FLG-45

| Size | Figure | Description  | Overall Length         | Iron Part #            |
|------|--------|--|------------------------|------------------------|
| 4"   | 206    | female hammer union x 125# flange 45° elbow                              | 10-31/32"              | <b>HUF206400FLG-45</b> |
|      |        | male hammer union x 125# flange 45° elbow includes nut and Buna-N O-ring | 12-1/32"<br>(with nut) | <b>HUM206400FLG-45</b> |

### O-ring



| Size | Buna-N Part # |
|------|---------------|
| 4"   | <b>O347BU</b> |

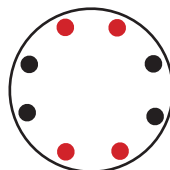
- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).



**Dixon® One-Piece Adapters****150# Flange to Weld Adapters****Features:**

- used on a 12" pipe manifold
- easy to weld
- formed butt weld provides accurate alignment
- compatible with other reliable brands

| Size | Description                          | Weldable Cast Steel<br>Part # |
|------|--------------------------------------|-------------------------------|
| 4"   | 150# flange x weld adapter, vertical | <b>WA4FL 12X750-1</b>         |
|      | 150# flange x weld adapter, offset   | <b>WA4FL 12X750-2</b>         |
|      | 150# flange x weld adapter, vertical | <b>WA4FL 12X1050-1</b>        |
|      | 150# flange x weld adapter, offset   | <b>WA4FL 12X1050-2</b>        |

**Vertical Pattern****Offset Pattern**

10½"

Hose Coupling  
Systems

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

**125# Flange x Male NPT**

| Size | Description                   | Ductile Iron<br>Part # |
|------|-------------------------------|------------------------|
| 4"   | 125# flange x male NPT        | <b>4FAMT</b>           |
|      | 125# flange x male NPT - long | <b>4FAMTL</b>          |



4FAMT

**Port Adapter**

| Size | Figure | Description                    | Iron<br>Part #     |
|------|--------|--------------------------------|--------------------|
| 2"   | 206    | male NPT x female hammer union | <b>HUF206200MT</b> |

**Hammer Union Elbows****Features:**

- no welds or pipe threads to deteriorate and cause premature leakage
- easy to weld to 12" pipe manifolds

| Size | Figure | Description                                       | Ductile Iron<br>Part # |
|------|--------|---|------------------------|
| 4"   | 206    | male hammer union x female hammer union 45° elbow | <b>HUMF20640045</b>    |
|      |        | male hammer union x female hammer union 60° elbow | <b>HUMF20640060</b>    |
|      |        | male hammer union x female hammer union 80° elbow | <b>HUMF20640080</b>    |
|      |        | male hammer union x female hammer union 90° elbow | <b>HUMF20640090</b>    |

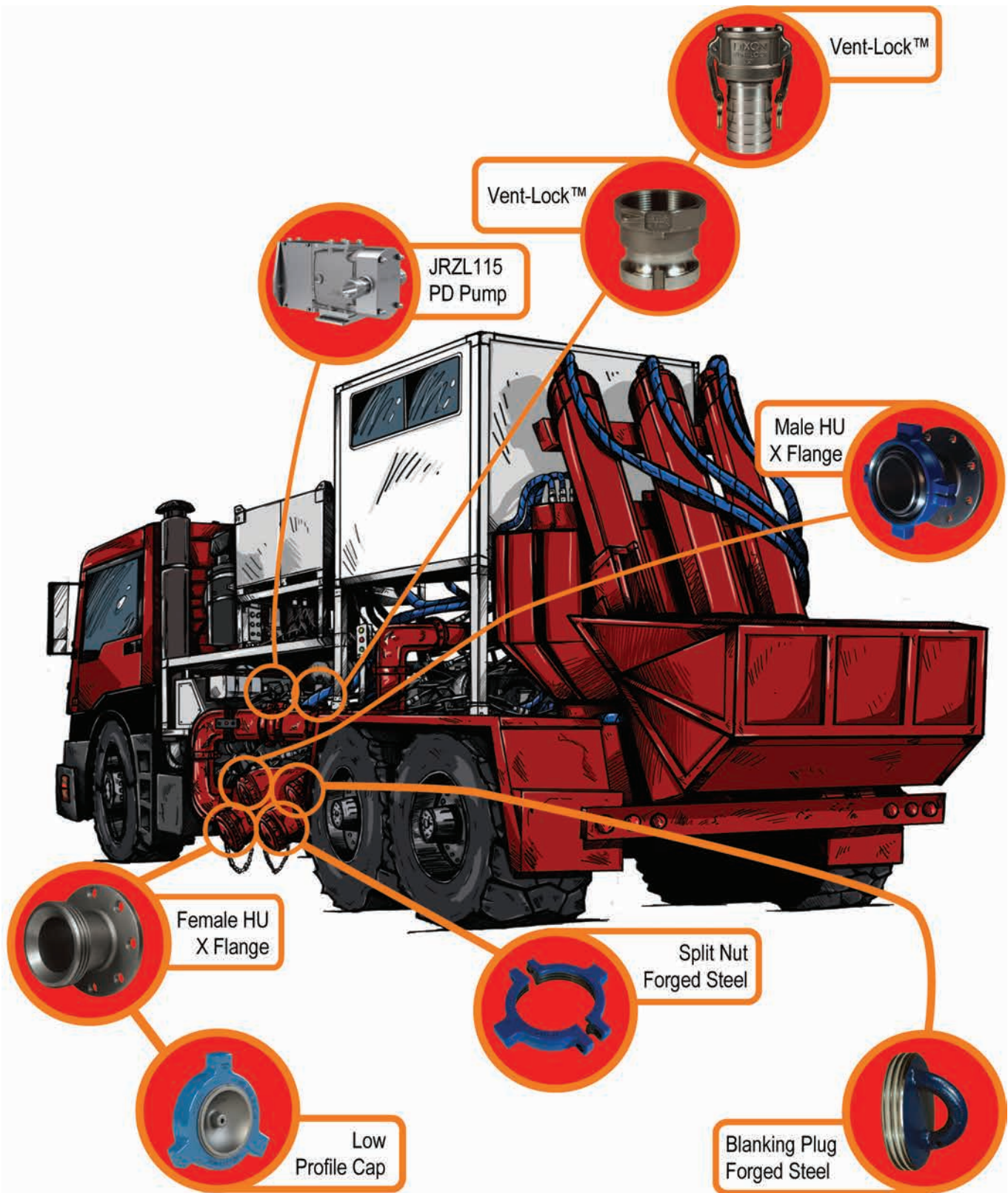


HUMF20640080



## Boss™ Low Pressure System Components

Dixon® is committed to improving end user productivity and reducing environmental and safety related incidents on the low pressure side of hydraulic fracturing sites. Boss™ Low Pressure System products are built around the premise; "no welds, no threads, no leaks." The product line is continually expanding, visit [dixonvalve.com/bosslps](http://dixonvalve.com/bosslps) for the latest updates.



## Holedall™ Coupling Machines

Rams, are powerful finely engineered machines designed specifically to externally swage and internally expand Holedall™ couplings by hydraulic pressure securely attaching Holedall™ couplings to hose. Since each ram generates all the hydraulic pressure required to attach the Holedall™ coupling, one person can easily operate the equipment.

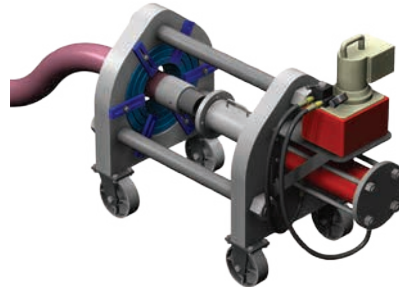
### 15 Ton Ram



#### Features:

- for internally expanded couplings only
- can expand 1" through 3" steel fittings and 5/8" through 4" brass Holedall™ Petroleum fittings
- produces up to 10,000 PSI, for up to 15 tons of ram force
- bench mounted model (optional stand available)
- motor: ½ h.p., 115 volt, 60 cycle, single phase with foot pedal

### 100 Ton Ram



#### Features:

- for externally swaging Holedall™ fittings to hose, sizes 1¼" through 10" ID
- optional accessories allow the ram to be used for internally expanded couplings on hose from 1" through 6"
- capable of producing up to 100 tons of ram force
- motor: 1½ h.p., 115 volt, 60 cycle, single phase motor is standard with remote, (220/440 volt motors are available)

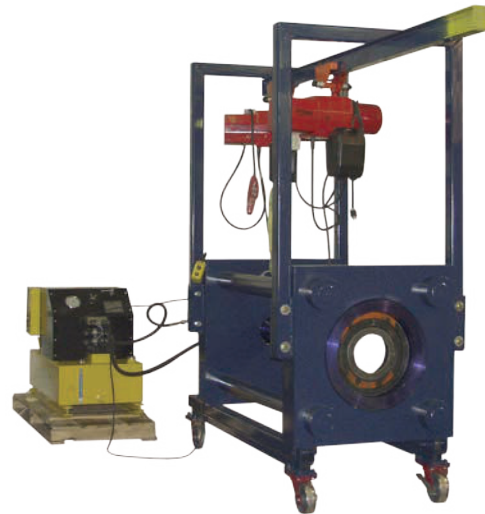
### 25 Ton Ram



#### Features:

- can externally swage ¼" through 4" ID hose and internally expand 5/8" through 4" ID hose with proper equipment
- produces up to 10,000 PSI of line pressure for up to 25 tons of ram force
- free standing model
- high speed pump kit option is available
- motor is ½ h.p., 115 volt 60 cycle, single phase with foot pedal

### 350 Ton Ram



#### Features:

- for externally swaging Holedall™ and Rotary fittings
- produces up to 354 tons of ram force for swaging
- 14" 150 lb. flange will fit through the bed plate
- ram has 36" of stroke
- motor: 12½ h.p., 230 volt, 60Hz, 3 phase motor is standard with remote

### 50 Ton Ram



#### Features:

- can externally swage 1¼" through 6" ID hose and internally expand 1" through 6" ID hose with proper equipment
- produces up to 10,000 PSI, for up to 50 tons of ram force
- bench mounted model (optional stand available)
- motor is 1½ h.p., 115 volt, 60 cycle, single phase, standard with remote, (220/440 volt motors are available)

**!** All Rams require dies of the proper size to reduce the ferrule to the proper diameter for a good grip on the hose. Pushers of the proper size must be used on the end of the Ram to push the Holedall™ fitting through the die. Die and pusher selection depends on the sizes and types of hoses being coupled. Ferrule recommendations are available upon request. Consult Dixon® for specific details.

## Recommended Working Pressures

### ⚠ WARNING

Holedall™ couplings, regardless of coupling style, are never to be used for steam service at any pressure. Holedall™ fittings listed below are not to be used with cable reinforced high-pressure hose, 4 or 6 braid wire hydraulic hose or any other service not listed in recommendations. In addition, Internally Expanded Holedall™ couplings are not to be used with plastic lined chemical hose. Consult Dixon® for recommendations on usage.

Holedall™ couplings (Externally Swaged), to perform satisfactorily, must be applied properly in accordance with Dixon® assembly procedures, using the correct die and ferrule for that particular hose end OD. The Dixon® Die and Ferrule Recommendation Guide is to be used to select correct dies and ferrules. If you do not have the updated Die and Ferrule Recommendation Guide, consult Dixon®. Strict adherence to ferrule OD range (Internally Expanded) for each hose end to be assembled is essential for satisfactory performance.

Note: Hose service working pressure (including surges and spikes) is never to exceed the maximum recommended working pressure for the fitting (reference chart below) <sup>2</sup>. Media being transported through the hose should be compatible with the stem material. Compatibility of ferrule material with the environment in which it will be used is recommended. Consult the Compatibility Chart on [dixonvalve.com](http://dixonvalve.com) or contact Dixon® for material compatibility. For applications other than the ones listed, please consult Dixon®.

| Size   | Externally Swaged              |                                  |                                  |   | Internally Expanded         |  |                                  |   |
|--------|--------------------------------|----------------------------------|----------------------------------|---|-----------------------------|--|----------------------------------|---|
|        | Standard Fittings <sup>1</sup> | Long Style Fittings <sup>1</sup> | Light Duty Fittings              |   | Cam and Groove <sup>1</sup> | Holedall™ DIN Crimp Stems <sup>1</sup> | Internally Expanded <sup>1</sup> | Flow Chief / Crimp Sanitary Fittings <sup>1</sup> |
|        |                                |                                  | NO Notched Fittings <sup>1</sup> | NOS Notched Short Fittings <sup>1</sup> |                             |  |                                  |   |
|        | TM, TP, TG, TMR, TPR, TGR      | TML, TPL, TGL                    | TM, TP, TG, RN•••NO              | RST•••NOS, STC•••NOS, GAS•••NOS         |                             | HA••••                                 | IXM, IXV, IXH                    | IXSE, IXFS, IXMS, CSSR                            |
| 3/4"   | ---                            | ---                              | ---                              | ---                                     | ---                         | ---                                    | ---                              | ---   |
| 1"     | ---                            | ---                              | ---                              | ---                                     | 250                         | ---                                    | ---                              | ---   |
| 1 1/4" | 600                            | 1,000                            | 350                              | ---                                     | ---                         | ---                                    | 800                              | ---   |
| 1 3/8" | ---                            | ---                              | ---                              | ---                                     | ---                         | ---                                    | ---                              | ---   |
| 1 1/2" | 600                            | 1,000                            | 350                              | 250                                     | 250                         | 145                                    | 800                              | 250   |
| 2"     | 600                            | 1,000                            | 350                              | 250                                     | 250                         | 145                                    | 800                              | 250   |
| 2 1/2" | 600                            | 1,000                            | 250                              | ---                                     | 150                         | ---                                    | 600                              | 250   |
| 3"     | 600                            | 1,000                            | 250                              | 250                                     | 125                         | 145                                    | 600 <sup>3</sup>                 | 250   |
| 4"     | 500                            | 850                              | 250                              | <sup>4</sup>                            | 100                         | ---                                    | 500 <sup>3</sup>                 | 200   |
| 5"     | 450                            | 750                              | ---                              | ---                                     | ---                         | ---                                    | ---                              | ---   |
| 6"     | 400                            | 700                              | ---                              | ---                                     | ---                         | ---                                    | 400                              | ---   |
| 8"     | 350                            | 600                              | ---                              | ---                                     | ---                         | ---                                    | ---                              | ---   |
| 10"    | 300                            | 550                              | ---                              | ---                                     | ---                         | ---                                    | ---                              | ---   |

<sup>1</sup> maximum recommended working pressures, in PSI, given at **70°F** ambient temperature

<sup>2</sup> The assembly's (hose + coupling) maximum working pressure is the lesser of:

- 1) The hose rated working pressure, or
- 2) The coupling rated working pressure

<sup>3</sup> For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See notes below for specific recommendations.

<sup>4</sup> Contact Dixon® for pressure recommendations

### Standard Fittings

Recommended for use on most one and two wire braid reinforced hoses, fiber reinforced (braided or spiraled) with or without helical wire such as: oil suction and discharge hose, barge and dock loading and unloading hose as well as LP gas hose, anhydrous ammonia hose, acid chemical hose and high pressure air and water hose.

### Long Style Fittings

Recommended for use on hose as listed under standard fittings where additional retention is required due to higher working pressures or end pull. Consult maximum working pressure chart or call Dixon®.

### Light Duty Fittings

Recommended for use in the same applications as standard fittings above where lower working pressures are encountered. Consult maximum working pressure chart or consult Dixon®.

### Internally Expanded Fittings

Recommended for concrete placement, grout and plaster, food, dairy, pharmaceutical as well as other applications where increased flow capacity is important. Consult maximum working pressure chart or call Dixon® for additional application and working pressure information.

## Holedall™ External Swage Coupling System

The Holedall™ coupling system provides outstanding strength, durability and safety.


The Holedall™ system is a method of attaching couplings to hose utilizing a progressive swage. The patented Holedall™ couplings include a Holedall™ stem and a specially engineered ferrule. The hydraulic swaging of the coupling to the hose is accomplished by pushing the ferrule through a die which reduces the ferrule OD, thus providing a 360° uninterrupted compression band around the hose.

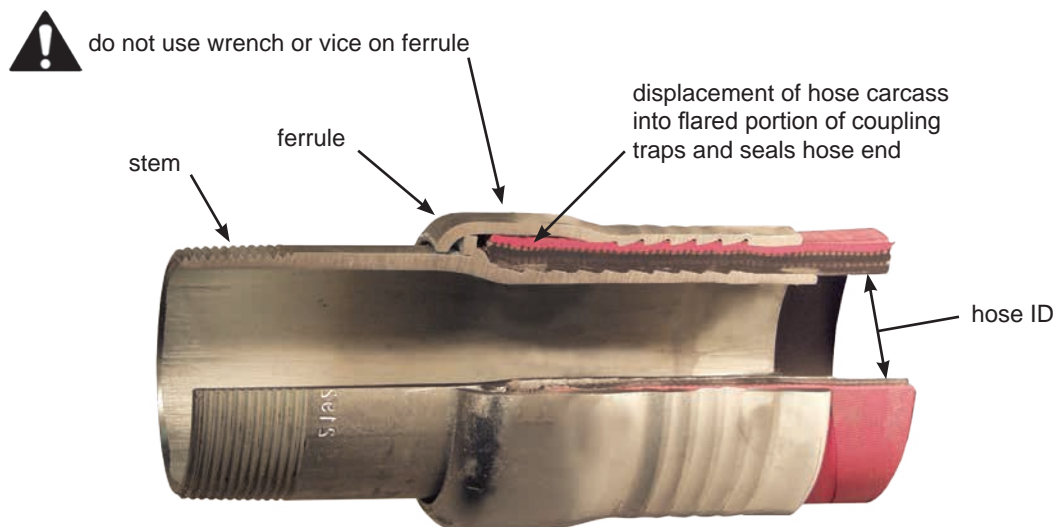
A hydraulic ram is the only piece of machinery necessary to accomplish the coupling. Available in five different sizes - 15, 25, 50, 100 and 350 ton see page 85 - these rams will accommodate dies and pushers of various sizes so that hoses up to 10" in diameter may be coupled.

This multi-purpose, high pressure coupling system requires no bolts and results in a clean coupling with no protrusions. The swaging operation is fast and hose of various lengths and different styles can be coupled. Ease of operation, flexibility and economy make the Holedall™ method an unequalled assembly system.

### Features:

- provides long-lasting efficiency and safety
- lightweight coupling consisting of ferrule and stem
- streamlined, no protrusions to snag on equipment
- available in stainless steel and carbon steel
- available in multiple configurations: pipe thread, plain end, grooved or flanged ends

Holedall™ stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances, for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products. 



cross-section of Holedall™ externally swaged assembly



**External Swage Stems****Male NPT End Tubular Type****Features:**

- designed for hose ID's 1¼" - 10", ferrule size depends on the hose OD, refer to page 91 to select the correct ferrule
- for higher working pressure applications use long style stems and ferrules



| Hose ID | Plated Carbon Steel<br>Part #  | 316 Stainless<br>Part # | Long Style<br>Carbon Steel<br>Part # |
|---------|--------------------------------|-------------------------|--------------------------------------|
| 1¼"     | <b>TM20</b>                    | <b>TMR20</b>            | <b>TML20</b>                         |
| 1½"     | <b>TM24</b>                    | <b>TMR24</b>            | <b>TML24</b>                         |
| 2"      | <b>TM32</b>                    | <b>TMR32</b>            | <b>TML32</b>                         |
| 2½"     | <b>TM40</b>                    | <b>TMR40</b>            | <b>TML40</b>                         |
| 3"      | <b>TM48</b>                    | <b>TMR48</b>            | <b>TML48</b>                         |
| 4"      | <b>TM64</b>                    | <b>TMR64</b>            | <b>TML64</b>                         |
| 5"      | <b>TM80</b>                    | ---                     | <b>TML80</b>                         |
| 6"      | <b>TM96</b><br><b>TMR96-42</b> | <b>TMR96</b><br>---     | <b>TML96</b><br>---                  |
| 8"      | <b>TM128</b>                   | ---                     | <b>TML128</b>                        |
| 10"     | <b>TM160</b>                   | ---                     | ---                                  |

**Beveled End for Welding**

| Hose ID | Unplated Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # | Long Style<br>Unplated Carbon Steel<br>Part # |
|---------|---------------------------------|-------------------------------|---|
| 1¼"     | <b>TP20</b>                     | ---                           | <b>TPL20</b>                                  |
| 1½"     | <b>TP24</b>                     | ---                           | <b>TPL24</b>                                  |
| 2"      | <b>TP32</b>                     | <b>TPR32</b>                  | <b>TPL32</b>                                  |
| 2½"     | <b>TP40</b>                     | ---                           | <b>TPL40</b>                                  |
| 3"      | <b>TP48</b>                     | <b>TPR48</b>                  | <b>TPL48</b>                                  |
| 4"      | <b>TP64</b>                     | <b>TPR64</b>                  | <b>TPL64</b>                                  |
| 5"      | <b>TP80</b>                     | ---                           | <b>TPL80</b>                                  |
| 6"      | <b>TP96</b>                     | ---                           | <b>TPL96</b>                                  |
| 8"      | <b>TP128</b>                    | ---                           | <b>TPL128</b>                                 |
| 10"     | <b>TP160</b>                    | ---                           | <b>TPL160</b>                                 |

**Grooved End**

| Hose ID | Plated Carbon<br>Steel<br>Part # | 316 Stainless<br>Part # | Long Style<br>Plated Carbon Steel<br>Part # |
|---------|----------------------------------|-------------------------|---|
| 1¼"     | <b>TG20</b>                      | ---                     | <b>TGL20</b>                                |
| 1½"     | <b>TG24</b>                      | <b>TGR24</b>            | <b>TGL24</b>                                |
| 2"      | <b>TG32</b>                      | <b>TGR32</b>            | <b>TGL32</b>                                |
| 2½"     | <b>TG40</b>                      | <b>TGR40</b>            | <b>TGL40</b>                                |
| 3"      | <b>TG48</b>                      | <b>TGR48</b>            | <b>TGL48</b>                                |
| 4"      | <b>TG64</b>                      | <b>TGR64</b>            | <b>TGL64</b>                                |
| 5"      | <b>TG80</b>                      | ---                     | <b>TGL80</b>                                |
| 6"      | <b>TG96</b>                      | ---                     | <b>TGL96</b>                                |
| 8"      | <b>TG128</b>                     | ---                     | <b>TGL128</b>                               |
| 10"     | <b>TG160</b>                     | ---                     | <b>TGL160</b>                               |

**Special Holedall™ Stems**

| Hose ID | Material                     | Thread  | Part #          |
|---------|------------------------------|---------|-----------------|
| 4"      | <i>carbon steel</i>          | NPT     | <b>TM64-42</b>  |
| 4"      | <i>carbon steel</i>          | NPT     | <b>TML64-42</b> |
| 6"      | <i>unplated carbon steel</i> | NPT     | <b>TM96-42</b>  |
| 6"      | <i>316 stainless</i>         | NPT     | <b>TMR96-42</b> |
| 6"      | <i>carbon steel</i>          | NPT     | <b>TML96-42</b> |
| 6"      | <i>unplated carbon steel</i> | beveled | <b>TP96-42</b>  |
| 6"      | <i>316 stainless</i>         | beveled | <b>TPR96-42</b> |
| 6"      | <i>carbon steel</i>          | grooved | <b>TGL96-42</b> |
| 6"      | <i>carbon steel</i>          | grooved | <b>TG96-42</b>  |
| 8"      | <i>unplated carbon steel</i> | NPT     | <b>TM128-42</b> |
| 8"      | <i>carbon steel</i>          | beveled | <b>TP128-42</b> |
| 8"      | <i>carbon steel</i>          | grooved | <b>TG128-42</b> |

- use with external swage ferrules on page 91

Hose Coupling  
Systems**External Swage****Flange Assemblies****Features:**

- 150# ASA flange drilling available with carbon steel stem, flange and ferrule, or with 316 stainless steel stem and flange and carbon steel ferrule
- available in other sizes, consult Dixon®

**Fixed Flange**

| Hose ID | Hose OD  |          | Carbon Steel<br>Part # | Stainless Steel<br>Part # |
|---------|----------|----------|------------------------|---------------------------|
|         | From     | To       |                        |                           |
| 2"      | 2-28/64" | 2-40/64" | <b>32P1SO15</b>        | <b>R32P1SOR15</b>         |
|         | 2-41/64" | 2-48/64" | <b>32P2SO15</b>        | <b>R32P2SOR15</b>         |
|         | 2-49/64" | 2-56/64" | <b>32P3SO15</b>        | <b>R32P3SOR15</b>         |
| 3"      | 3-30/64" | 3-40/64" | <b>48P1SO15</b>        | <b>R48P1SOR15</b>         |
|         | 3-41/64" | 3-48/64" | <b>48P2SO15</b>        | <b>R48P2SOR15</b>         |
|         | 3-49/64" | 3-56/64" | <b>48P3SO15</b>        | <b>R48P3SOR15</b>         |
| 4"      | 4-40/64" | 4-44/64" | <b>64P1SO15</b>        | <b>R64P1SOR15</b>         |
|         | 4-45/64" | 4-52/64" | <b>64P2SO15</b>        | <b>R64P2SOR15</b>         |
|         | 4-53/64" | 4-60/64" | <b>64P3SO15</b>        | <b>R64P3SOR15</b>         |
| 6"      | 7"       | 7-4/64"  | <b>96P1SO15</b>        | <b>R96P1SOR15</b>         |
|         | 7-5/64"  | 7-12/64" | <b>96P2SO15</b>        | <b>R96P2SOR15</b>         |
|         | 7-13/64" | 7-20/64" | <b>96P3SO15</b>        | <b>R96P3SOR15</b>         |
| 8"      | 9-20/64" | 9-24/64" | <b>128P1SO15</b>       | ---                       |
|         | 9-25/64" | 9-32/64" | <b>128P2SO15</b>       | ---                       |
|         | 9-33/64" | 9-40/64" | <b>128P3SO15</b>       | ---                       |

**Floating Flange**

| Hose ID | Hose OD  |          | Carbon Steel<br>Part # | Stainless Steel<br>Part # |
|---------|----------|----------|------------------------|---------------------------|
|         | From     | To       |                        |                           |
| 2"      | 2-28/64" | 2-40/64" | <b>32P1LJ15</b>        | <b>R32P1LJR15</b>         |
|         | 2-41/64" | 2-48/64" | <b>32P2LJ15</b>        | <b>R32P2LJR15</b>         |
|         | 2-49/64" | 2-56/64" | <b>32P3LJ15</b>        | <b>R32P3LJR15</b>         |
| 3"      | 3-30/64" | 3-40/64" | <b>48P1LJ15</b>        | <b>R48P1LJR15</b>         |
|         | 3-41/64" | 3-48/64" | <b>48P2LJ15</b>        | <b>R48P2LJR15</b>         |
|         | 3-49/64" | 3-56/64" | <b>48P3LJ15</b>        | <b>R48P3LJR15</b>         |
| 4"      | 4-40/64" | 4-44/64" | <b>64P1LJ15</b>        | <b>R64P1LJR15</b>         |
|         | 4-45/64" | 4-52/64" | <b>64P2LJ15</b>        | <b>R64P2LJR15</b>         |
|         | 4-53/64" | 4-60/64" | <b>64P3LJ15</b>        | <b>R64P3LJR15</b>         |
| 6"      | 7"       | 7-4/64"  | <b>96P1LJ15</b>        | <b>R96P1LJR15</b>         |
|         | 7-5/64"  | 7-12/64" | <b>96P2LJ15</b>        | <b>R96P2LJR15</b>         |
|         | 7-13/64" | 7-20/64" | <b>96P3LJ15</b>        | <b>R96P3LJR15</b>         |
| 8"      | 9-20/64" | 9-24/64" | <b>128P1LJ15</b>       | ---                       |
|         | 9-25/64" | 9-32/64" | <b>128P2LJ15</b>       | ---                       |
|         | 9-33/64" | 9-40/64" | <b>128P3LJ15</b>       | ---                       |



- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).



## External Swage Stems - Female End



two piece design  
1"



one piece design  
1 1/4" - 2"

| Size   | Hose OD  |          | Plated Carbon Steel<br>Part # |
|--------|----------|----------|-------------------------------|
|        | from     | to       |                               |
| 1"     | 1-30/64" | 1-34/64" | <b>TF16WF1-80</b>             |
|        | 1-34/64" | 1-38/64" | <b>TF16WF2-80</b>             |
|        | 1-35/64" | 1-42/64" | <b>TF16WF3-80</b>             |
| 1 1/4" | 1-44/64" | 1-48/64" | <b>TF20WF1-80<sup>1</sup></b> |
|        | 1-49/64" | 1-56/64" | <b>TF20WF2-80<sup>1</sup></b> |
|        | 1-57/64" | 2"       | <b>TF20WF3-80<sup>1</sup></b> |
| 2"     | 2-36/64" | 2-40/64" | <b>TF32WF1-80<sup>1</sup></b> |
|        | 2-41/64" | 2-48/64" | <b>TF32WF2-80<sup>1</sup></b> |
|        | 2-49/64" | 2-56/64" | <b>TF32WF3-80<sup>1</sup></b> |

<sup>1</sup> Special pusher required for 1 1/4" and 2" sizes: 1 1/4" **25PUSH125-MOD**, 2" **25PUSH200MOD**

## External Swage Uni-Range Male Couplings

### Applications:

- Recommended for use on most one or two wire braid reinforced hoses, fiber reinforced (braided or spiral) with or without helical wire such as chemical, high pressure air and water hoses, and LP gas hoses.

### Features:

- designed for smaller hose systems, hose ID's of 1/4" - 1"
- shipped complete with factory assembled stem and ferrule combination
- can be swaged or crimped
- stainless steel stems are investment cast
- other hose OD's available, consult Dixon®



| Hose ID | Hose ID  |          | Plated Carbon Steel<br>Part # | Stainless /<br>Carbon Steel<br>Part # | Stainless Steel<br>Part # |
|---------|----------|----------|-------------------------------|---------------------------------------|---------------------------|
|         | From     | To       |                               |                                       |                           |
| 1/4"    | 34/64"   | 38/64"   | <b>4P1</b>                    | ---                                   | ---                       |
|         | 38/64"   | 42/64"   | <b>4P2</b>                    | ---                                   | ---                       |
|         | 42/64"   | 46/64"   | <b>4P3</b>                    | ---                                   | ---                       |
| 3/8"    | 46/64"   | 50/64"   | <b>6P1</b>                    | ---                                   | ---                       |
|         | 50/64"   | 54/64"   | <b>6P2</b>                    | ---                                   | ---                       |
|         | 54/64"   | 58/64"   | <b>6P3</b>                    | ---                                   | ---                       |
| 1/2"    | 54/64"   | 58/64"   | <b>8P1</b>                    | ---                                   | ---                       |
|         | 58/64"   | 62/64"   | <b>8P2</b>                    | ---                                   | <b>R8P2SS</b>             |
|         | 62/64"   | 1-2/64"  | <b>8P3</b>                    | ---                                   | ---                       |
| 3/4"    | 1-6/64"  | 1-12/64" | ---                           | ---                                   | <b>R12P1250</b>           |
|         | 1-10/64" | 1-14/64" | <b>12P1</b>                   | <b>R12P1</b>                          | ---                       |
|         | 1-13/64" | 1-22/64" | ---                           | ---                                   | <b>R12P1370</b>           |
|         | 1-14/64" | 1-18/64" | <b>12P2</b>                   | <b>R12P2</b>                          | ---                       |
|         | 1-18/64" | 1-22/64" | <b>12P3</b>                   | <b>R12P3</b>                          | ---                       |
| 1"      | 1-30/64" | 1-34/64" | <b>16P1</b>                   | <b>R16P1</b>                          | ---                       |
|         | 1-30/64" | 1-38/64" | ---                           | ---                                   | <b>R16P1620</b>           |
|         | 1-34/64" | 1-38/64" | <b>16P2</b>                   | <b>R16P2</b>                          | ---                       |
|         | 1-38/64" | 1-42/64" | <b>16P3</b>                   | <b>R16P3</b>                          | ---                       |
|         | 1-38/64" | 1-46/64" | ---                           | ---                                   | <b>R16P1770</b>           |
|         | 1-42/64" | 1-46/64" | <b>16P4</b>                   | <b>R16P4</b>                          | ---                       |

## External Swage Ferrules

The selection of ferrules is very important to achieve the proper coupling-to-hose assembly. For assistance in proper selection contact Dixon®.

### Features:

- plated carbon steel
- style F ferrules are used with all standard length stems, page 88
- style FL ferrules are extra long and are used with all long style stems, page 88

| Size | Hose OD   |           | Plated Carbon Steel       | Plated Carbon Steel       |
|------|-----------|-----------|---------------------------|---------------------------|
|      | From      | To        | Part #                    | Long Style Part #         |
| 1¼"  | 1-44/64"  | 1-48/64"  | <b>F20-1</b>              | <b>FL20-1</b>             |
|      | 1-49/64"  | 1-56/64"  | <b>F20-2</b>              | <b>FL20-2</b>             |
|      | 1-57/64"  | 2"        | <b>F20-3</b>              | <b>FL20-3</b>             |
|      | 2-1/64"   | 2-8/64"   | <b>F20-4</b>              | <b>FL20-4</b>             |
| 1½"  | 1-58/64"  | 2"        | <b>F24-1</b>              | <b>FL24-1</b>             |
|      | 2-1/64"   | 2-8/64"   | <b>F24-2</b>              | <b>FL24-2</b>             |
|      | 2-9/64"   | 2-16/64"  | <b>F24-3</b>              | <b>FL24-3</b>             |
|      | 2-17/64"  | 2-24/64"  | <b>F24-4</b>              | <b>FL24-4</b>             |
|      | 2-25/64"  | 2-32/64"  | <b>F24-5</b>              | <b>FL24-5</b>             |
|      | 2-28/64"  | 2-40/64"  | <b>F32-1</b>              | <b>FL32-1</b>             |
| 2"   | 2-41/64"  | 2-48/64"  | <b>F32-2</b>              | <b>FL32-2</b>             |
|      | 2-49/64"  | 2-56/64"  | <b>F32-3</b>              | <b>FL32-3</b>             |
|      | 2-57/64"  | 3-2/64"   | <b>F32-4</b>              | <b>FL32-4</b>             |
|      | 2-62/64"  | 3-8/64"   | <b>F40-1</b>              | <b>FL40-1</b>             |
| 2½"  | 3-9/64"   | 3-16/64"  | <b>F40-2</b>              | <b>FL40-2</b>             |
|      | 3-17/64"  | 3-24/64"  | <b>F40-3</b>              | <b>FL40-3</b>             |
|      | 3-25/64"  | 3-32/64"  | <b>F40-4</b>              | <b>FL40-4</b>             |
|      | 3-33/64"  | 3-40/64"  | <b>F40-5</b>              | <b>FL40-5</b>             |
| 3"   | 3-30/64"  | 3-40/64"  | <b>F48-1</b>              | <b>FL48-1</b>             |
|      | 3-41/64"  | 3-48/64"  | <b>F48-2</b>              | <b>FL48-2</b>             |
|      | 3-49/64"  | 3-56/64"  | <b>F48-3</b>              | <b>FL48-3</b>             |
|      | 3-57/64"  | 4"        | <b>F48-4</b>              | <b>FL48-4</b>             |
|      | 4-1/64"   | 4-8/64"   | <b>F48-5</b>              | <b>FL48-5</b>             |
| 4"   | 4-30/64"  | 4-39/64"  | <b>F64-Z<sup>1</sup></b>  | <b>FL64-Z<sup>1</sup></b> |
|      | 4-40/64"  | 4-44/64"  | <b>F64-1</b>              | <b>FL64-1</b>             |
|      | 4-45/64"  | 4-52/64"  | <b>F64-2</b>              | <b>FL64-2</b>             |
|      | 4-53/64"  | 4-60/64"  | <b>F64-3</b>              | <b>FL64-3</b>             |
|      | 4-61/64"  | 5-4/64"   | <b>F64-4</b>              | <b>FL64-4</b>             |
|      | 5-5/64"   | 5-12/64"  | <b>F64-5</b>              | <b>FL64-5</b>             |
|      | 5-13/64"  | 5-20/64"  | <b>F64-6</b>              | <b>FL64-6</b>             |
|      | 5-21/64"  | 5-28/64"  | <b>F64-7</b>              | <b>FL64-7</b>             |
| 5"   | 5-29/64"  | 5-36/64"  | <b>F64-8</b>              | <b>FL64-8</b>             |
|      | 5-56/64"  | 5-60/64"  | <b>F80-1</b>              | <b>FL80-1</b>             |
|      | 5-61/64"  | 6-4/64"   | <b>F80-2</b>              | <b>FL80-2</b>             |
|      | 6-5/64"   | 6-12/64"  | <b>F80-3</b>              | <b>FL80-3</b>             |
|      | 6-13/64"  | 6-20/64"  | <b>F80-4</b>              | <b>FL80-4</b>             |
|      | 6-21/64"  | 6-28/64"  | <b>F80-5</b>              | <b>FL80-5</b>             |
|      | 6-29/64"  | 6-38/64"  | <b>F80-6</b>              | <b>FL80-6</b>             |
| 6"   | 6-37/64"  | 6-44/64"  | <b>F80-7</b>              | <b>FL80-7</b>             |
|      | 6-44/64"  | 6-63/64"  | <b>F96-Z<sup>1</sup></b>  | <b>FL96-Z<sup>1</sup></b> |
|      | 7"        | 7-4/64"   | <b>F96-1</b>              | <b>FL96-1</b>             |
|      | 7-5/64"   | 7-12/64"  | <b>F96-2</b>              | <b>FL96-2</b>             |
|      | 7-13/64"  | 7-20/64"  | <b>F96-3</b>              | <b>FL96-3</b>             |
|      | 7-21/64"  | 7-28/64"  | <b>F96-4</b>              | <b>FL96-4</b>             |
|      | 7-29/64"  | 7-36/64"  | <b>F96-5</b>              | <b>FL96-5</b>             |
|      | 7-37/64"  | 7-44/64"  | <b>F96-6</b>              | <b>FL96-6</b>             |
|      | 7-45/64"  | 7-52/64"  | <b>F96-7</b>              | <b>FL96-7</b>             |
|      | 7-53/64"  | 7-60/64"  | <b>F96-8</b>              | <b>FL96-8</b>             |
| 8"   | 7-61/64"  | 8"        | <b>F96-9</b>              | <b>FL96-9</b>             |
|      | 8-53/64"  | 8-56/64"  | <b>F128-X<sup>1</sup></b> | ---                       |
|      | 9"        | 9-9/64"   | <b>F128-Y</b>             | <b>FL128-Y</b>            |
|      | 9-20/64"  | 9-24/64"  | <b>F128-1</b>             | <b>FL128-1</b>            |
|      | 9-25/64"  | 9-32/64"  | <b>F128-2</b>             | <b>FL128-2</b>            |
|      | 9-33/64"  | 9-40/64"  | <b>F128-3</b>             | <b>FL128-3</b>            |
|      | 9-41/64"  | 9-48/64"  | <b>F128-4</b>             | <b>FL128-4</b>            |
|      | 9-49/64"  | 9-56/64"  | <b>F128-5</b>             | <b>FL128-5</b>            |
| 10"  | 9-57/64"  | 10"       | <b>F128-6</b>             | <b>FL128-6</b>            |
|      | 10-1/64"  | 10-4/64"  | <b>F128-7</b>             | <b>FL128-7</b>            |
|      | 11-32/64" | 11-44/64" | <b>F160-1</b>             | <b>FL160-1</b>            |
|      | 11-45/64" | 11-60/64" | <b>F160-2</b>             | <b>FL160-2</b>            |
|      | 11-61/64" | 12-12/64" | <b>F160-3</b>             | <b>FL160-3</b>            |
|      | 12-13/64" | 12-28/64" | <b>F160-4</b>             | <b>FL160-4</b>            |
|      | 12-29/64" | 12-44/64" | <b>F160-5</b>             | <b>FL160-5</b>            |
|      | 12-45/64" | 12-60/64" | <b>F160-6</b>             | <b>FL160-6</b>            |

<sup>1</sup> requires use with special stems on page 89

- for applications with hose OD ranges not listed, contact Dixon®



long style

## External Swage Ferrules - Light Duty

### Features:

- for use with standard length stems styles TMR, TPR, and TGR series on pages 88 - 89
- consult Dixon® for die recommendations, go to [dixonvalve.com](http://dixonvalve.com) for specific pressure recommendations



| Hose ID | Hose OD  |          | 304 Stainless Steel<br>Part # |
|---------|----------|----------|-------------------------------|
|         | From     | To       |                               |
| 1½"     | 1-60/64" | 2-12/64" | <b>GAS2334TO</b>              |
|         | 2-4/64"  | 2-22/64" | <b>GAS2370TO</b>              |
| 2"      | 2-30/64" | 2-44/64" | <b>GAS2709TO</b>              |
|         | 2-42/64" | 2-54/64" | <b>GAS2885TO</b>              |
| 3"      | 3-30/64" | 3-46/64" | <b>GAS3760TO</b>              |
|         | 3-47/64" | 3-54/64" | <b>GAS3885TO</b>              |
| 4"      | 4-40/64" | 4-47/64" | <b>GAS5010TO</b>              |

## External Swage High Pressure Couplings

### Applications:

- Intended for services requiring a fitting to withstand extremely high pressures (up to **3,000 PSI at 70°F [21°C]**) and severe operating conditions including: small and medium size drilling rigs, slim hole applications and core drill, workover, seismograph, water well, blast or shot holes.

### Features:

- sold as a complete coupling (stem and matching ferrule)
- must provide hose OD when ordering for a properly sized ferrule; make sure both ends of the hose are measured for OD
- must be swaged with 50 Ton or 100 Ton Ram
- API and NPT sizes are interchangeable
- stems are machined from seamless pipe and tubing with specially designed serrations
- ferrules are machined from a heavy wall material incorporating matching serrations

### Stem and Ferrule Complete Assemblies

- an accurate hose OD must be provided to complete the part # and to ensure proper retention

### Male NPT Thread Coupling Units

| Hose ID | NPT Size | Zinc Plated Steel<br>Part # |
|---------|----------|-----------------------------|
| 2"      | 2"       | <b>LM32-*</b>               |
| 2½"     | 2½"      | <b>LM40-*</b>               |
| 3"      | 3"       | <b>LM48-*</b>               |



### Male API Thread Coupling Units

| Hose ID | API Size | Zinc Plated Steel<br>Part # |
|---------|----------|-----------------------------|
| 2"      | 2½"      | <b>LM3240-*</b>             |
| 2½"     | 3"       | <b>LM4048-*</b>             |
| 3"      | 4"       | <b>LM4864-*</b>             |


## Internal Expansion Coupling System

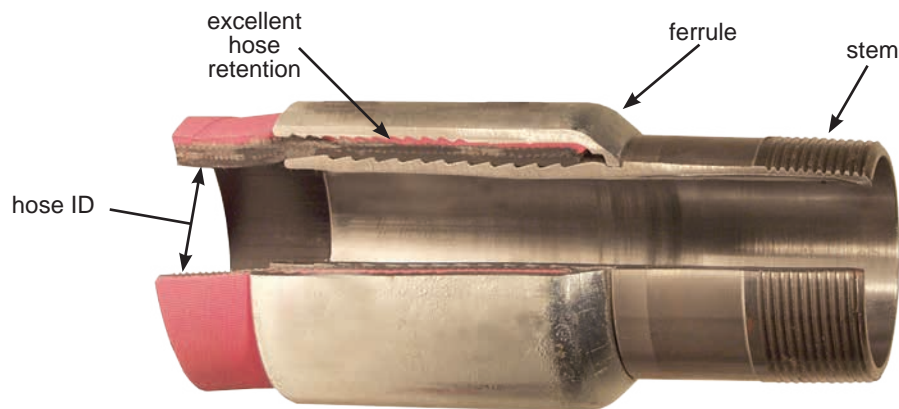
### Applications:

- Essential in applications requiring maximum flow including: concrete pump hose, plaster and grout hose, oil suction and discharge hose, multi-purpose heavy duty air hose, jetting hose, barge loading hose and bottom loading hose.

### Features:

- maximum flow of media
- reduction of turbulence through hose
- excellent sealing and retention characteristics
- outperforms band clamps
- easy and consistent installation
- only one expansion tool is needed for each hose ID
- available end configurations: male NPT, grooved, others available contact Dixon®

Holedall™ stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances, for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products. 



Cross-section of Holedall™ internally expanded assembly

### Male Pipe Threaded End Stems

| Size | Working<br>PSI <sup>1</sup> | Carbon Steel<br>Part # |
|------|-----------------------------|------------------------|
| 1"   | ---                         | <b>IXM16</b>           |
| 1¼"  | <b>800</b>                  | <b>IXM20</b>           |
| 1½"  | <b>800</b>                  | <b>IXM24</b>           |
| 2"   | <b>800</b>                  | <b>IXM32</b>           |
| 2½"  | <b>600</b>                  | <b>IXM40</b>           |
| 3"   | <b>600</b> <sup>2</sup>     | <b>IXM48</b>           |
| 4"   | <b>500</b> <sup>2</sup>     | <b>IXM64</b>           |
| 6"   | <b>400</b>                  | <b>IXM96</b>           |



<sup>1</sup> maximum recommended working pressures at **70°F (21°C)** ambient temperature

<sup>2</sup> For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See page 86 for specific recommendations.

### Heavy Duty Raised End Stems

| Size | Working<br>PSI <sup>1</sup> | Carbon Steel<br>Part # |
|------|-----------------------------|------------------------|
| 1½"  | <b>800</b>                  | <b>IXH24</b>           |
| 2"   | <b>800</b>                  | <b>IXH32</b>           |
| 2½"  | <b>600</b>                  | <b>IXH40</b>           |
| 3"   | <b>600</b> <sup>2</sup>     | <b>IXH48</b>           |
| 4"   | <b>500</b> <sup>2</sup>     | <b>IXH64</b>           |



<sup>1</sup> maximum recommended working pressures at **70°F (21°C)** ambient temperature

<sup>2</sup> For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See page 86 for specific recommendations.

**Internal Expansion Coupling System****Grooved End Stems**

| Size | Working<br>PSI <sup>1</sup> | Carbon Steel<br>Part # |
|------|-----------------------------|------------------------|
| 1¼"  | 800                         | <b>IXV20</b>           |
| 1½"  | 800                         | <b>IXV24</b>           |
| 2"   | 800                         | <b>IXV32</b>           |
| 2½"  | 600                         | <b>IXV40</b>           |
| 3"   | 600 <sup>2</sup>            | <b>IXV48</b>           |
| 4"   | 500 <sup>2</sup>            | <b>IXV64</b>           |

<sup>1</sup> maximum recommended working pressures at 70°F (21°C) ambient temperature

<sup>2</sup> For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See page 86 for specific recommendations.

**Internal Expansion Ferrules**

| Hose ID | Hose OD  |          | Ferrule ID | Plated Carbon Steel Part # |
|---------|----------|----------|------------|----------------------------|
| 1"      | 1-24/64" | 1-28/64" | 1-7/16"    | <b>IXF16-1</b>             |
|         | 1-28/64" | 1-32/64" | 1-1/2"     | <b>IXF16-2</b>             |
|         | 1-32/64" | 1-36/64" | 1-9/16"    | <b>IXF16-3</b>             |
| 1¼"     | 1-40/64" | 1-44/64" | 1-11/16"   | <b>IXF20-Z</b>             |
|         | 1-44/64" | 1-48/64" | 1-3/4"     | <b>IXF20-1</b>             |
|         | 1-48/64" | 1-52/64" | 1-13/16"   | <b>IXF20-2</b>             |
|         | 1-52/64" | 1-56/64" | 1-7/8"     | <b>IXF20-3</b>             |
|         | 1-56/64" | 1-60/64" | 1-15/16"   | <b>IXF20-4</b>             |
|         | 1-60/64" | 2"       | 2"         | <b>IXF20-5</b>             |
|         | 2"       | 2-4/64"  | 2-1/16"    | <b>IXF20-6</b>             |
| 1½"     | 1-56/64" | 1-60/64" | 1-15/16"   | <b>IXF24-Z</b>             |
|         | 1-60/64" | 2"       | 2"         | <b>IXF24-1</b>             |
|         | 2"       | 2-4/64"  | 2-1/16"    | <b>IXF24-2</b>             |
|         | 2-4/64"  | 2-8/64"  | 2-1/8"     | <b>IXF24-3</b>             |
|         | 2-8/64"  | 2-12/64" | 2-3/16"    | <b>IXF24-4</b>             |
|         | 2-12/64" | 2-16/64" | 2-1/4"     | <b>IXF24-5</b>             |
|         | 2-16/64" | 2-20/64" | 2-5/16"    | <b>IXF24-6</b>             |
|         | 2-20/64" | 2-24/64" | 2-3/8"     | <b>IXF24-7</b>             |
| 2"      | 2-32/64" | 2-36/64" | 2-9/16"    | <b>IXF32-Y</b>             |
|         | 2-36/64" | 2-40/64" | 2-5/8"     | <b>IXF32-Z</b>             |
|         | 2-40/64" | 2-44/64" | 2-11/16"   | <b>IXF32-1</b>             |
|         | 2-44/64" | 2-48/64" | 2-3/4"     | <b>IXF32-2</b>             |
|         | 2-48/64" | 2-52/64" | 2-13/16"   | <b>IXF32-3</b>             |
|         | 2-52/64" | 2-56/64" | 2-7/8"     | <b>IXF32-4</b>             |
|         | 2-56/64" | 2-60/64" | 2-15/16"   | <b>IXF32-5</b>             |
|         | 2-60/64" | 3"       | 3"         | <b>IXF32-6</b>             |
|         | 3"       | 3-4/64"  | 3-1/16"    | <b>IXF32-7</b>             |
|         | 3"       | 3-4/64"  | 3-1/16"    | <b>IXF40-1</b>             |
| 2½"     | 3-4/64"  | 3-8/64"  | 3-1/8"     | <b>IXF40-2</b>             |
|         | 3-8/64"  | 3-12/64" | 3-3/16"    | <b>IXF40-3</b>             |
|         | 3-12/64" | 3-16/64" | 3-1/4"     | <b>IXF40-4</b>             |
|         | 3-16/64" | 3-20/64" | 3-5/16"    | <b>IXF40-5</b>             |
|         | 3-20/64" | 3-24/64" | 3-3/8"     | <b>IXF40-6</b>             |
|         | 3-24/64" | 3-28/64" | 3-7/16"    | <b>IXF40-7</b>             |
|         | 3-28/64" | 3-32/64" | 3-1/2"     | <b>IXF40-8</b>             |

| Hose ID | Hose OD  |          | Ferrule ID | Plated Carbon Steel Part #  |
|---------|----------|----------|------------|-----------------------------|
| 3"      | 3-32/64" | 3-36/64" | 3-9/16"    | <b>IXF48-T</b>              |
|         | 3-36/64" | 3-40/64" | 3-5/8"     | <b>IXF48-U</b>              |
|         | 3-40/64" | 3-44/64" | 3-11/16"   | <b>IXF48-V</b>              |
|         | 3-44/64" | 3-48/64" | 3-3/4"     | <b>IXF48-W</b>              |
|         | 3-48/64" | 3-52/64" | 3-13/16"   | <b>IXF48-X</b>              |
|         | 3-52/64" | 3-56/64" | 3-7/8"     | <b>IXF48-Y</b>              |
|         | 3-56/64" | 3-60/64" | 3-15/16"   | <b>IXF48-Z</b>              |
|         | 3-60/64" | 4"       | 4"         | <b>IXF48-1</b>              |
|         | 4"       | 4-4/64"  | 4-1/16"    | <b>IXF48-2</b>              |
|         | 4-4/64"  | 4-8/64"  | 4-1/8"     | <b>IXF48-3 <sup>1</sup></b> |
| 4"      | 4-8/64"  | 4-12/64" | 4-3/16"    | <b>IXF48-4 <sup>1</sup></b> |
|         | 4-12/64" | 4-16/64" | 4-1/4"     | <b>IXF48-5 <sup>1</sup></b> |
|         | 4-36/64" | 4-40/64" | 4-5/8"     | <b>IXF64-T</b>              |
|         | 4-40/64" | 4-44/64" | 4-11/16"   | <b>IXF64-U</b>              |
|         | 4-44/64" | 4-48/64" | 4-3/4"     | <b>IXF64-V</b>              |
|         | 4-48/64" | 4-52/64" | 4-13/16"   | <b>IXF64-W</b>              |
|         | 4-52/64" | 4-56/64" | 4-7/8"     | <b>IXF64-X</b>              |
|         | 4-56/64" | 4-60/64" | 4-15/16"   | <b>IXF64-Y</b>              |
|         | 4-60/64" | 5"       | 5"         | <b>IXF64-Z</b>              |
|         | 5"       | 5-4/64"  | 5-1/16"    | <b>IXF64-1</b>              |
| 6"      | 5-4/64"  | 5-8/64"  | 5-1/8"     | <b>IXF64-2 <sup>1</sup></b> |
|         | 5-8/64"  | 5-12/64" | 5-3/16"    | <b>IXF64-3 <sup>1</sup></b> |
|         | 5-12/64" | 5-16/64" | 5-1/4"     | <b>IXF64-4 <sup>1</sup></b> |
|         | 5-16/64" | 5-20/64" | 5-5/16"    | <b>IXF64-5 <sup>1</sup></b> |
|         | 6-40/64" | 6-44/64" | 6-11/16"   | <b>IXF96-1</b>              |
|         | 6-44/64" | 6-48/64" | 6-3/4"     | <b>IXF96-2</b>              |
|         | 6-46/64" | 6-50/64" | 6-25/32"   | <b>IXF96-3</b>              |
|         | 6-48/64" | 6-52/64" | 6-13/16"   | <b>IXF96-4</b>              |
|         | 6-52/64" | 6-56/64" | 6-7/8"     | <b>IXF96-5</b>              |
|         | 6-56/64" | 6-60/64" | 6-15/16"   | <b>IXF96-6</b>              |

<sup>1</sup> for hoses using ferrule sizes IXF48-3 thru IXF48-5 and IXF64-2 thru IXF64-5, consult Dixon® for working pressures

• for use with IX stems on pages 93 - 94

## Scovill Style Couplings

### Applications:

- recommended for discharge and suction service; commonly used in the transfer of fuel to homes, airplanes, ships, etc.
- intended for fuel delivery service, see page 97 for information on API 1529 certification

### Features:

- male and female stems are machined from bar stock or solid brass forgings; ferrules are available in brass and stainless steel
- compact, lightweight and streamlined to eliminate catching on curbs and shrubs
- stems and ferrules are designed to be used together as a coupling system
- stem is expanded to nominal ID of hose for a rigid, uniform, full-flow area
- all fittings have octagonal facets for tightening with a wrench; females in 1½" and larger sizes have lugs for tightening
- pre-lubricated for assembly
- designed for internal expansion only
- hand and electrically operated installation equipment is available, consult Dixon® for pricing and availability
- working pressure varies with the size of the fitting, the size and construction of the hose and the media being conveyed, consult Dixon® for recommendations
- do not interchange with other manufacturers



### Permanent Male Couplings

| Size | Thread | Brass Part #             |
|------|--------|--------------------------|
| ¾"   | NPT    | <b>H5192</b>             |
| 1"   | NST    | <b>H5212NST</b>          |
| 1¼"  | NPT    | <b>H5222-A</b>           |
| 1⅜"  | NPT    | <b>H5272<sup>1</sup></b> |
| 1½"  | NST    | <b>H5232NST</b>          |
| 2"   | NPT    | <b>H5242</b>             |
| 2½"  | NPT    | <b>H5252</b>             |
| 3"   | NPT    | <b>H5262</b>             |

<sup>1</sup> 1⅜" stem has 1½" thread



### Permanent Female Couplings

| Size | Thread | Brass Part #                |
|------|--------|-----------------------------|
| ¾"   | NPSH   | <b>H5191-BU</b>             |
| 1"   | NST    | <b>H5211NST</b>             |
| 1¼"  | NPSH   | <b>H5221-A-BU</b>           |
| 1⅜"  | NPSH   | <b>H5271-BU<sup>1</sup></b> |
| 1½"  | NST    | <b>H5231NST<sup>2</sup></b> |
| 2"   | NPSH   | <b>H5241-BU</b>             |
| 2½"  | NPSH   | <b>H5251<sup>3</sup></b>    |
| 3"   | NPSH   | <b>H5261<sup>3</sup></b>    |

<sup>1</sup> 1⅜" stem has 1½" thread

<sup>2</sup> 1½" NST requires special adapter, part # **H5231NSTADT**

<sup>3</sup> 2½" and 3" parts have female NPSM thread



### Permanent Grooved Couplings

| Size | Brass Part # |
|------|--------------|
| 1"   | <b>G5212</b> |
| 1½"  | <b>G5232</b> |
| 2"   | <b>G5242</b> |
| 2½"  | <b>G5252</b> |





**Scovill Style Series****Ferrules****Features:**

- Eliminates the need for a large stock of coupling bodies. With a wide range of sizes available, you can build the perfect assembly of a coupling to a corresponding hose size with commercial tolerances, regardless of wall thickness
- for use with Scovill style couplings on page 95



| Hose ID | Hose OD  |          | Brass Part #              |
|---------|----------|----------|---------------------------|
|         | From     | To       |                           |
| 3/4"    | 1-4/64"  | 1-7/64"  | <b>R75AAAS</b>            |
|         | 1-8/64"  | 1-11/64" | <b>R75AAS</b>             |
|         | 1-12/64" | 1-14/64" | <b>R75AS</b>              |
|         | 1-15/64" | 1-17/64" | <b>R75BS</b>              |
|         | 1-18/64" | 1-20/64" | <b>R75CS</b>              |
| 1 3/8"  | 1-47/64" | 1-50/64" | <b>R1375BS</b>            |
|         | 1-51/64" | 1-54/64" | <b>R1375CS</b>            |
|         | 1-55/64" | 1-58/64" | <b>R1375DS</b>            |
|         | 1-59/64" | 1-62/64" | <b>R1375ES</b>            |
| 1 1/2"  | 2-25/64" | 2-28/64" | <b>R15GS</b> <sup>1</sup> |
| 2"      | 2-27/64" | 2-30/64" | <b>R2AAS</b>              |
|         | 2-31/64" | 2-34/64" | <b>R2AS</b>               |
|         | 2-35/64" | 2-38/64" | <b>R2BS</b>               |
|         | 2-39/64" | 2-42/64" | <b>R2CS</b>               |
|         | 2-43/64" | 2-46/64" | <b>R2DS</b>               |
|         | 2-47/64" | 2-50/64" | <b>R2ES</b>               |
|         | 2-51/64" | 2-54/64" | <b>R2FS</b>               |
| 2 1/2"  | 2-62/64" | 3-1/64"  | <b>R25AS</b>              |
|         | 3-2/64"  | 3-6/64"  | <b>R25BS</b>              |
|         | 3-7/64"  | 3-11/64" | <b>R25CS</b>              |
|         | 3-12/64" | 3-16/64" | <b>R25DS</b>              |
|         | 3-17/64" | 3-21/64" | <b>R25ES</b>              |
|         | 3-22/64" | 3-26/64" | <b>R25FS</b>              |
| 3"      | 3-30/64" | 3-34/64" | <b>R3AAAS</b>             |
|         | 3-35/64" | 3-39/64" | <b>R3AAS</b>              |
|         | 3-40/64" | 3-45/64" | <b>R3AS</b>               |
|         | 3-46/64" | 3-50/64" | <b>R3BS</b>               |
|         | 3-51/64" | 3-54/64" | <b>R3CS</b>               |

<sup>1</sup> will be replaced by API ferrules

**API Certified Permanently Attached** Petroleum Male **Couplings****Male Couplings****Feature:**

- Tested and compliant with API 1529 6th edition. Coupling procedures, ferrule recommendations and API test data are available upon request, please contact Dixon® at [engineering@dixonvalve.com](mailto:engineering@dixonvalve.com).

| Size | Thread Type | Brass Part #    |
|------|-------------|-----------------|
| 1"   | NPT         | <b>H5212-A</b>  |
| 1¼"  | NPT         | <b>H5222-A</b>  |
| 1½"  | NPT         | <b>H5232-A</b>  |
| 2"   | NPT         | <b>H5242L-A</b> |
| 2½"  | NPT         | <b>H5252L-A</b> |
| 3"   | NPT         | <b>H5262L-A</b> |
| 4"   | NPT         | <b>H5282L-A</b> |

Hose Coupling  
Systems**Female Couplings**

| Size | Thread Type | Brass Part #       |
|------|-------------|--------------------|
| 1"   | NPSH        | <b>H5211-A-BU</b>  |
| 1¼"  | NPSH        | <b>H5221-A-BU</b>  |
| 1½"  | NPSH        | <b>H5231-A-BU</b>  |
| 2"   | NPSH        | <b>H5241L-A-BU</b> |
| 2½"  | NPSM        | <b>H5251L-A-BU</b> |
| 3"   | NPSM        | <b>H5261L-A-BU</b> |
| 4"   | NPSM        | <b>H5281L-A-BU</b> |



## API Certified Series Ferrules

| Hose ID | Hose OD  |          | Brass Part #     | 304 Stainless Steel Part # |
|---------|----------|----------|------------------|----------------------------|
|         | From     | To       |                  |                            |
| 1"      | 1-24/64" | 1-26/64" | <b>R1AAAS-A</b>  | ---                        |
|         | 1-27/64" | 1-29/64" | <b>R1AAS-A</b>   | ---                        |
|         | 1-30/64" | 1-32/64" | <b>R1AS-A</b>    | ---                        |
|         | 1-33/64" | 1-35/64" | <b>R1BS-A</b>    | ---                        |
|         | 1-36/64" | 1-38/64" | <b>R1CS-A</b>    | ---                        |
|         | 1-39/64" | 1-41/64" | <b>R1DS-A</b>    | ---                        |
|         | 1-42/64" | 1-44/64" | <b>R1ES-A</b>    | ---                        |
|         |          |          |                  |                            |
| 1¼"     | 1-39/64" | 1-42/64" | <b>R125AAS-A</b> | ---                        |
|         | 1-43/64" | 1-46/64" | <b>R125AS-A</b>  | ---                        |
|         | 1-47/64" | 1-50/64" | <b>R125BS-A</b>  | ---                        |
|         | 1-51/64" | 1-54/64" | <b>R125CS-A</b>  | ---                        |
|         | 1-55/64" | 1-58/64" | <b>R125DS-A</b>  | ---                        |
|         | 1-59/64" | 1-62/64" | <b>R125ES-A</b>  | ---                        |
|         |          |          |                  |                            |
| 1½"     | 1-54/64" | 1-57/64" | <b>R15AAAS-A</b> | ---                        |
|         | 1-58/64" | 1-62/64" | <b>R15AAS-A</b>  | ---                        |
|         | 1-63/64" | 2-2/64"  | <b>R15AS-A</b>   | ---                        |
|         | 2-3/64"  | 2-6/64"  | <b>R15BS-A</b>   | ---                        |
|         | 2-7/64"  | 2-11/64" | <b>R15CS-A</b>   | ---                        |
|         | 2-12/64" | 2-14/64" | <b>R15DS-A</b>   | ---                        |
|         | 2-15/64" | 2-19/64" | <b>R15ES-A</b>   | ---                        |
|         | 2-20/64" | 2-24/64" | <b>R15FS-A</b>   | ---                        |
|         |          |          |                  |                            |
|         |          |          |                  |                            |
| 2"      | 2-31/64" | 2-34/64" | ---              | <b>R2ASS-A</b>             |
|         | 2-35/64" | 2-38/64" | ---              | <b>R2BSS-A</b>             |
|         | 2-39/64" | 2-42/64" | ---              | <b>R2CSS-A</b>             |
|         | 2-43/64" | 2-46/64" | ---              | <b>R2DSS-A</b>             |
|         | 2-47/64" | 2-50/64" | ---              | <b>R2ESS-A</b>             |
|         |          |          |                  |                            |
| 2½"     | 2-62/64" | 3-1/64"  | ---              | <b>R25ASS-A</b>            |
|         | 3-2/64"  | 3-6/64"  | ---              | <b>R25BSS-A</b>            |
|         | 3-7/64"  | 3-11/64" | ---              | <b>R25CSS-A</b>            |
|         | 3-12/64" | 3-16/64" | ---              | <b>R25DSS-A</b>            |
|         | 3-17/64" | 3-21/64" | ---              | <b>R25ESS-A</b>            |
| 3"      | 3-35/64" | 3-39/64" | ---              | <b>R3AASS-A</b>            |
|         | 3-40/64" | 3-45/64" | ---              | <b>R3ASS-A</b>             |
|         | 3-46/64" | 3-50/64" | ---              | <b>R3BSS-A</b>             |
|         | 3-51/64" | 3-54/64" | ---              | <b>R3CSS-A</b>             |
|         | 3-55/64" | 3-59/64" | ---              | <b>R3DSS-A</b>             |
| 4"      | 4-46/64" | 4-48/64" | ---              | <b>R4ESS-A</b>             |
|         | 4-49/64" | 4-51/64" | ---              | <b>R4FSS-A</b>             |
|         | 4-52/64" | 4-54/64" | ---              | <b>R4GSS-A</b>             |
|         | 4-55/64" | 4-57/64" | ---              | <b>R4HSS-A</b>             |
|         | 4-58/64" | 4-59/64" | ---              | <b>R4KSS-A</b>             |
|         | 4-60/64" | 4-62/64" | ---              | <b>R4LSS-A</b>             |
|         | 4-63/64" | 5"       | ---              | <b>R4MSS-A</b>             |



brass



304 stainless steel



aluminum

- for use with API couplings on page 97

## Female Replacement Washers

### Feature:

- for use with female internally expanded permanent couplings on page 97

| Size   | Buna<br>Part #  |
|--------|-----------------|
| 3/4"   | <b>H5071-BU</b> |
| 1"     | <b>H5072-BU</b> |
| 1 1/4" | <b>H5073-BU</b> |
| 1 1/2" | <b>H5074-BU</b> |
| 2"     | <b>H5075-BU</b> |
| 2 1/2" | <b>H5076-BU</b> |
| 3"     | <b>H5077-BU</b> |
| 4"     | <b>H5078-BU</b> |


Hose Coupling  
Systems

## HB Coupling Expander Machine

### Features:

- hand operated, pull-through type expander
- for use in a fixed location for small production runs or as a portable repair type expander
- attaches sizes 3/4" through 2" of the Scovil style and all sizes of the curb pump fittings
- expander tooling sold separately

| Part #            |
|-------------------|
| <b>2500HB0000</b> |



## Permanent Pump Hose Couplings



### Application:

- economical and trouble-free couplings for gas pump hose

### Features:

- serrations on the stem embed in the hose eliminating wicking and leakage
- shell extends beyond the stem preventing cutting of interior walls; tapered ends of stem and shell protect hose when flexed
- provide tamper-proof static connection which cannot be broken without completely damaging coupling and hose
- internal expansion of stem to nominal ID of hose provides full flow
- broad, firm grip of coupling extends hose life by making it possible for hose to withstand more flexings
- Hand and electrically operated installation equipment is available; consult Dixon® for pricing and availability.
- UL listed
- *Reattach static wire if required.*



| Size | Male NPT | Hose OD  | Chrome Plated Brass<br>Part # |
|------|----------|----------|-------------------------------|
| 3/4" | 3/4"     | 1-13/64" | <b>H5753</b>                  |
| 3/4" | 3/4"     | 1-7/32"  | <b>H5754</b>                  |
| 3/4" | 3/4"     | 1-17/64" | <b>H5755</b> <sup>1</sup>     |
| 1"   | 1"       | 1-25/64" | <b>H5771</b>                  |
| 1"   | 1"       | 1-29/64" | <b>H5772</b>                  |
| 1"   | 1"       | 1-1/2"   | <b>H5773</b>                  |
| 1"   | 1"       | 1-9/16"  | <b>H5774</b>                  |



<sup>1</sup> thrust plate required, part # **2500HTL15**



## Dubl-Grip® Re-attachable Couplings for Curb Pump Hose

### Features:

- two-piece construction
- streamlined design prevents damage to hose and fits well on new pump equipment
- wide, flat surfaces of body threads protect inside of hose from breaking
- tapered surface of sleeve and body cradle hose preventing one-point strain from flexing
- Hose is gripped on its full circumference in two places, ensuring a rigid leakproof connection.
- re-attachable: worn portion of hose can be removed and Dubl-Grip® can be reapplied
- easy assembly:
  - Hose is held in position by sleeve as body is threaded home.
  - Only a wrench is required to assemble the Dubl-Grip®.
- Underwriters Listed approved
- *Reattach static wire if required.*



### Swivel

| Hose ID | Male NPT | Hose OD  | Chrome Plated Brass<br>Part # |
|---------|----------|----------|-------------------------------|
| 3/4"    | 3/4"     | 1 1/8"   | <b>H603</b>                   |
| 3/4"    | 3/4"     | 1-13/64" | <b>H604</b>                   |
| 3/4"    | 3/4"     | 1 1/4"   | <b>H605</b>                   |
| 1"      | 1"       | 1 3/8"   | <b>H609</b> <sup>1</sup>      |
| 1"      | 1"       | 1-7/16"  | <b>H610</b> <sup>1</sup>      |
| 1"      | 1"       | 1-1/2"   | <b>H611</b> <sup>1</sup>      |



### Non-Swivel

| Hose ID | Male NPT | Hose OD  | Chrome Plated Brass<br>Part # |
|---------|----------|----------|-------------------------------|
| 5/8"    | 3/4"     | 1"       | <b>850212</b>                 |
| 5/8"    | 3/4"     | 1-1/32"  | <b>850213</b>                 |
| 3/4"    | 3/4"     | 1 1/8"   | <b>850451</b>                 |
| 3/4"    | 3/4"     | 1-13/64" | <b>850455</b>                 |
| 3/4"    | 3/4"     | 1 1/4"   | <b>850453</b>                 |
| 1"      | 1"       | 1 3/8"   | <b>850841</b> <sup>1</sup>    |
| 1"      | 1"       | 1-7/16"  | <b>850801</b> <sup>1</sup>    |
| 1"      | 1"       | 1 1/2"   | <b>850811</b> <sup>1</sup>    |

<sup>1</sup> octagonal shape

## CIP Internal Expansion (IX) Sanitary Style Hose Couplings

### Application:

- used in the food, dairy and beverage industries

### Features:

- Clean-In-Place (CIP) compliant
- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules.

### Sanitary Style Clamp End Stems

#### Features:

- 3A compliant when assembled by 3A authorized hose shop
- special plug is required to expand CIP compliant fittings
- special adapter plate is required to expand 1½" CIP compliant fittings
- see pages 580 to 583 for sanitary style gaskets
- see pages 564 to 566 for sanitary style clamps

| Size | 304 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>IXSE24-3A</b>              |
| 2"   | <b>IXSE32-3A</b>              |
| 3"   | <b>IXSE48-3A</b>              |



### Special Expansion Plugs for CIP Compliant IX Fitting

| Hose Size | 304 Stainless Steel<br>Part # |
|-----------|-------------------------------|
| 1½"       | <b>IXFDPLG137</b>             |
| 2"        | <b>IXFDPLG187</b>             |
| 3"        | <b>IXFDPLG287</b>             |



### CIP Internal Expansion (IX) Sanitary Style Tube Weld End Stem

#### Feature:

- special plug is required to expand CIP compliant fittings

| Size | 304 Stainless Steel<br>Part # |
|------|-------------------------------|
| 2"   | <b>IXPE32-3A</b>              |



## Internal Expansion (IX) Sanitary Style

### Clamp End Stems

#### Features:

- clamp end x hose shank
- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules.
- see pages 578 - 583 for sanitary style gaskets
- see pages 564 - 566 for sanitary style clamps

| Size | 304 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>IXSE24</b>                 |
| 2"   | <b>IXSE32</b>                 |
| 2½"  | <b>IXSE40</b>                 |
| 3"   | <b>IXSE48</b>                 |
| 4"   | <b>IXSE64</b>                 |





## Internal Expansion (IX) Sanitary Style

### Male NPT Stems

**Feature:**

- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules.

Hose Coupling  
Systems


| Size | 304 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>IXMS24</b>                 |
| 2"   | <b>IXMS32</b>                 |
| 2½"  | <b>IXMS40</b>                 |
| 3"   | <b>IXMS48</b>                 |
| 4"   | <b>IXMS64</b>                 |

## Internal Expansion (IX) Sanitary Style Bevel Seat Hose Couplings

**Features:**

- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules.
- see page 593 for bevel seat gaskets

### Bevel Seat Stems

**Feature:**

- only use with the IXAN nuts shown below



| Size | 304 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>IXFS24</b>                 |
| 2"   | <b>IXFS32</b>                 |
| 2"   | <b>IXFS32-3A<sup>1</sup></b>  |
| 2½"  | <b>IXFS40</b>                 |
| 3"   | <b>IXFS48</b>                 |
| 4"   | <b>IXFS64</b>                 |

<sup>1</sup> must use plug part # IXFDPLG187

### Bevel Seat Threaded Hex Nuts

#### series 13H (modified)



| Size | 304 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>IXAN24</b>                 |
| 2"   | <b>IXAN32</b>                 |
| 2½"  | <b>IXAN40</b>                 |
| 3"   | <b>IXAN48</b>                 |
| 4"   | <b>IXAN64</b>                 |

## Internal Expansion Sanitary Style Flow Chief Ferrules

### Feature:

- ferrule ID's are designed in increments of 1/16"

| Hose ID          | Hose OD  |          | 304 Stainless Steel Part #     |
|------------------|----------|----------|--------------------------------|
|                  | From     | To       |                                |
| 1½" <sup>1</sup> | 1-56/64" | 1-59/64" | <b>24PFX1.937</b>              |
|                  | 1-60/64" | 1-63/64" | <b>24PFX2.000</b>              |
|                  | 2"       | 2-3/64"  | <b>24PFX2.062</b>              |
|                  | 2-4/64"  | 2-7/64"  | <b>24PFX2.125</b>              |
|                  | 2-8/64"  | 2-11/64" | <b>24PFX2.187</b>              |
|                  | 2-12/64" | 2-15/64" | <b>24PFX2.250</b>              |
|                  | 2-16/64" | 2-19/64" | <b>24PFX2.312</b> <sup>2</sup> |
| 2" <sup>1</sup>  | 2-28/64" | 2-31/64" | <b>32PFX2.500</b>              |
|                  | 2-32/64" | 2-35/64" | <b>32PFX2.562</b>              |
|                  | 2-36/64" | 2-39/64" | <b>32PFX2.625</b>              |
|                  | 2-40/64" | 2-43/64" | <b>32PFX2.687</b>              |
|                  | 2-44/64" | 2-47/64" | <b>32PFX2.750</b>              |
|                  | 2-48/64" | 2-51/64" | <b>32PFX2.812</b>              |
|                  | 2-52/64" | 2-55/64" | <b>32PFX2.875</b>              |
|                  | 2-56/64" | 2-59/64" | <b>32PFX2.937</b>              |
| 2½"              | 3"       | 3-3/64"  | <b>40PFX3.062</b>              |
|                  | 3-4/64"  | 3-7/64"  | <b>40PFX3.125</b>              |
|                  | 3-8/64"  | 3-11/64" | <b>40PFX3.187</b>              |
|                  | 3-12/64" | 3-15/64" | <b>40PFX3.250</b>              |
|                  | 3-16/64" | 3-19/64" | <b>40PFX3.312</b>              |
|                  | 3-20/64" | 3-23/64" | <b>40PFX3.375</b>              |
|                  | 3-28/64" | 3-31/64" | <b>40PFX3.500</b>              |
| 3"               | 3-32/64" | 3-35/64" | <b>48PFX3.562</b>              |
|                  | 3-36/64" | 3-39/64" | <b>48PFX3.625</b>              |
|                  | 3-40/64" | 3-43/64" | <b>48PFX3.687</b>              |
|                  | 3-44/64" | 3-47/64" | <b>48PFX3.750</b>              |
|                  | 3-48/64" | 3-51/64" | <b>48PFX3.812</b>              |
|                  | 3-52/64" | 3-55/64" | <b>48PFX3.875</b>              |
|                  | 3-56/64" | 3-59/64" | <b>48PFX3.937</b>              |
|                  | 3-60/64" | 3-63/64" | <b>48PFX4.000</b>              |
|                  | 4"       | 4-3/64"  | <b>48PFX4.062</b>              |
|                  | 4-4/64"  | 4-7/64"  | <b>48PFX4.125</b>              |
| 4"               | 4-36/64" | 4-39/64" | <b>64PFX4.625</b>              |
|                  | 4-40/64" | 4-43/64" | <b>64PFX4.687</b>              |
|                  | 4-44/64" | 4-47/64" | <b>64PFX4.750</b>              |
|                  | 4-48/64" | 4-51/64" | <b>64PFX4.812</b>              |
|                  | 4-52/64" | 4-55/64" | <b>64PFX4.875</b>              |
|                  | 4-56/64" | 4-59/64" | <b>64PFX4.937</b>              |



<sup>1</sup> 1½" and 2" ferrules do not have serrations on the ID

<sup>2</sup> consult Dixon® at [engineering@dixonvalve.com](mailto:engineering@dixonvalve.com) for working pressure

- for use with IX stems on pages 101 and 102

**Dixon Sanitary King Crimp™ Stem**

Clamp End x Hose Shank

**Features:**

- to be used with King Crimp™ sleeves and / or ferrules see pages 111-114
- wetted surfaces meet governmental and independent regulatory standards only

**Tri-Clover Stems**

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>CSSR100CS</b>              |
| 1½"  | <b>CSSR150CS</b>              |
| 2"   | <b>CSSR200CS</b>              |
| 3"   | <b>CSSR300CS</b>              |
| 4"   | <b>CSSR400CS</b>              |

**Female I-line**

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>CILR100CS</b>              |
| 1½"  | <b>CILR150CS</b>              |
| 2"   | <b>CILR200CS</b>              |
| 3"   | <b>CILR300CS</b>              |
| 4"   | <b>CILR400CS</b>              |

**Dixon Sanitary Style Crimp Stems****Clamp End x Hose Shank****Features:**

- sanitary style end
- Dixon® sanitary crimp stems are only to be used with Dixon® sanitary stainless steel crimp ferrules on page 106
- reference [dixonvalve.com](http://dixonvalve.com) for crimp recommendations

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>CSSR100-3A</b>             |
| 1½"  | <b>CSSR150-3A</b>             |
| 2"   | <b>CSSR200-3A</b>             |
| 2½"  | <b>CSSR250</b>                |
| 3"   | <b>CSSR300-3A</b>             |
| 4"   | <b>CSSR400</b>                |

Hose Coupling  
Systems**Female I-Line End x Hose Shank**

- to be used with Sanitary ferrules on page 106

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>CILR150</b>                |
| 2"   | <b>CILR200</b>                |
| 3"   | <b>CILR300</b>                |
| 4"   | <b>CILR400</b>                |

**Bevel Seat End x Hose Shank**

- to be used with Sanitary ferrules on page 106

| Size | Nut Used | 316 Stainless Steel<br>Part # |
|------|----------|-------------------------------|
| 1"   | 13H-G100 | <b>CBSR100</b>                |
| 1½"  | IXAN24   | <b>CBSR150</b>                |
| 2"   | IXAN32   | <b>CBSR200</b>                |
| 3"   | IXAN300  | <b>CBSR300</b>                |
| 4"   | IXAN64   | <b>CBSR400</b>                |

**Tube Weld End x Hose Shank**

- to be used with Sanitary ferrules on page 106

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>CTER150</b>                |
| 2"   | <b>CTER200</b>                |
| 3"   | <b>CTER300</b>                |
| 4"   | <b>CTER400</b>                |



**Dixon® Sanitary Style****Features: Crimp Ferrules**

- AISI 304 stainless steel
- ferrules have a surface finish of 63 or better



| Size | Hose OD  |          | 304 Stainless Steel<br>Part # |
|------|----------|----------|-------------------------------|
|      | From     | To       |                               |
| 1"   | 1-26/64" | 1-28/64" | <b>F16G-1453</b>              |
|      | 1-29/64" | 1-31/64" | <b>F16G-1500</b>              |
|      | 1-32/64" | 1-34/64" | <b>F16G-1547</b>              |
|      | 1-35/64" | 1-37/64" | <b>F16G-1594</b>              |
|      | 1-38/64" | 1-40/64" | <b>F16G-1641</b>              |
| 1½"  | 1-58/64" | 1-61/64" | <b>F24G-1969</b>              |
|      | 1-62/64" | 2-1/64"  | <b>F24G-2031</b>              |
|      | 2-2/64"  | 2-5/64"  | <b>F24G-2094</b>              |
|      | 2-6/64"  | 2-9/64"  | <b>F24G-2156</b>              |
|      | 2-10/64" | 2-13/64" | <b>F24G-2219</b>              |
|      | 2-14/64" | 2-17/64" | <b>F24G-2281</b>              |
| 2"   | 2-18/64" | 2-21/64" | <b>F24G-2344</b>              |
|      | 2-30/64" | 2-33/64" | <b>F32G-2531</b>              |
|      | 2-34/64" | 2-37/64" | <b>F32G-2594</b>              |
|      | 2-38/64" | 2-41/64" | <b>F32G-2656</b>              |
|      | 2-42/64" | 2-45/64" | <b>F32G-2719</b>              |
|      | 2-52/64" | 2-55/64" | <b>F32G-2875</b>              |
| 2½"  | 2-56/64" | 2-59/64" | <b>F32G-2938</b>              |
|      | 3"       | 3-3/64"  | <b>F40G-3063</b>              |
|      | 3-4/64"  | 3-7/64"  | <b>F40G-3125</b>              |
|      | 3-8/64"  | 3-11/64" | <b>F40G-3188</b>              |
|      | 3-12/64" | 3-15/64" | <b>F40G-3250</b>              |
|      | 3-16/64" | 3-19/64" | <b>F40G-3313</b>              |
| 3"   | 3-20/64" | 3-23/64" | <b>F40G-3375</b>              |
|      | 3-36/64" | 3-39/64" | <b>F48G-3625</b>              |
|      | 3-40/64" | 3-43/64" | <b>F48G-3688</b>              |
|      | 3-44/64" | 3-47/64" | <b>F48G-3750</b>              |
|      | 3-48/64" | 3-51/64" | <b>F48G-3813</b>              |
|      | 3-52/64" | 3-55/64" | <b>F48G-3875</b>              |
| 4"   | 3-56/64" | 3-59/64" | <b>F48G-3938</b>              |
|      | 3-61/64" | 4"       | <b>F48G-4016</b>              |
|      | 4-40/64" | 4-43/64" | <b>F64G-4688</b>              |
|      | 4-44/64" | 4-47/64" | <b>F64G-4750</b>              |
|      | 4-48/64" | 4-51/64" | <b>F64G-4813</b>              |
|      | 4-52/64" | 4-55/64" | <b>F64G-4875</b>              |
|      | 4-56/64" | 4-59/64" | <b>F64G-4938</b>              |
|      | 5-5/64"  | 5-8/64"  | <b>F64G-5141</b>              |

**Holedall™ DIN External****Crimp Female Stems**

| Size | DIN | 316 Stainless Steel<br>Part # |
|------|-----|-------------------------------|
| 1½"  | 40  | <b>HA0240</b>                 |
| 2"   | 50  | <b>HA0241</b>                 |
| 2½"  | 65  | <b>HA0242</b>                 |
| 3"   | 80  | <b>HA0243</b>                 |

**Male Stems**

| Size | DIN | 316 Stainless Steel<br>Part # |
|------|-----|-------------------------------|
| 1½"  | 40  | <b>HA0235</b>                 |
| 2"   | 50  | <b>HA0236</b>                 |
| 2½"  | 65  | <b>HA0237</b>                 |
| 3"   | 80  | <b>HA0238</b>                 |

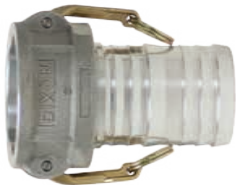
- please visit [dixonvalve.com](http://dixonvalve.com) for crimp recommendations

## Crimp Working Pressure Chart

| Size | Temperature   | Fitting | Clamp   | Working Pressure PSIG | Size | Temperature   | Fitting | Clamp   | Working Pressure PSIG |
|------|---------------|---------|---------|-----------------------|------|---------------|---------|---------|-----------------------|
| 1"   | Ambient       | STC10CS | sleeve  | 400                   | 3"   | Ambient       | STC35CS | sleeve  | 200                   |
|      | 160°F (71°C)  | STC10CS | sleeve  | 270                   |      | 160°F (71°C)  | STC35CS | sleeve  | 140                   |
|      | 180°F (82°C)  | STC10CS | sleeve  | 250                   |      | 180°F (82°C)  | STC35CS | sleeve  | 100                   |
|      | 250°F (121°C) | STC10CS | sleeve  | 200                   |      | 250°F (121°C) | STC35CS | sleeve  | 75                    |
|      | Ambient       | STC10CS | ferrule | 400                   |      | Ambient       | STC35CS | ferrule | 300                   |
|      | 160°F (71°C)  | STC10CS | ferrule | 270                   |      | 160°F (71°C)  | STC35CS | ferrule | 218                   |
|      | 180°F (82°C)  | STC10CS | ferrule | 250                   |      | 180°F (82°C)  | STC35CS | ferrule | 200                   |
|      | 250°F (121°C) | STC10CS | ferrule | 200                   |      | 250°F (121°C) | STC35CS | ferrule | 100                   |
|      | Ambient       | 100-C/E | sleeve  | 250                   |      | Ambient       | 300-C/E | sleeve  | 125                   |
|      | 160°F (71°C)  | 100-C/E | sleeve  | 242                   |      | 160°F (71°C)  | 300-C/E | sleeve  | 100                   |
|      | 180°F (82°C)  | 100-C/E | sleeve  | 240                   |      | 180°F (82°C)  | 300-C/E | sleeve  | 60                    |
|      | 250°F (121°C) | 100-C/E | sleeve  | 200                   |      | 250°F (121°C) | 300-C/E | sleeve  | 55                    |
|      | Ambient       | 100-C/E | ferrule | 250                   |      | Ambient       | 300-C/E | ferrule | 150                   |
|      | 160°F (71°C)  | 100-C/E | ferrule | 242                   |      | 160°F (71°C)  | 300-C/E | ferrule | 125                   |
|      | 180°F (82°C)  | 100-C/E | ferrule | 240                   |      | 180°F (82°C)  | 300-C/E | ferrule | 100                   |
|      | 250°F (121°C) | 100-C/E | ferrule | 200                   |      | 250°F (121°C) | 300-C/E | ferrule | 75                    |
| 1½"  | Ambient       | STC20CS | sleeve  | 300                   | 4"   | Ambient       | STC40CS | sleeve  | 175                   |
|      | 160°F (71°C)  | STC20CS | sleeve  | 225                   |      | 160°F (71°C)  | STC40CS | sleeve  | 100                   |
|      | 180°F (82°C)  | STC20CS | sleeve  | 200                   |      | 180°F (82°C)  | STC40CS | sleeve  | 100                   |
|      | 250°F (121°C) | STC20CS | sleeve  | 100                   |      | 250°F (121°C) | STC40CS | sleeve  | 50                    |
|      | Ambient       | STC20CS | ferrule | 350                   |      | Ambient       | STC40CS | ferrule | 300                   |
|      | 160°F (71°C)  | STC20CS | ferrule | 225                   |      | 160°F (71°C)  | STC40CS | ferrule | 218                   |
|      | 180°F (82°C)  | STC20CS | ferrule | 200                   |      | 180°F (82°C)  | STC40CS | ferrule | 200                   |
|      | 250°F (121°C) | STC20CS | ferrule | 150                   |      | 250°F (121°C) | STC40CS | ferrule | 100                   |
|      | Ambient       | 150-C/E | sleeve  | 250                   |      | Ambient       | 400-C/E | sleeve  | 110                   |
|      | 160°F (71°C)  | 150-C/E | sleeve  | 200                   |      | 160°F (71°C)  | 400-C/E | sleeve  | 75                    |
|      | 180°F (82°C)  | 150-C/E | sleeve  | 100                   |      | 180°F (82°C)  | 400-C/E | sleeve  | 60                    |
|      | 250°F (121°C) | 150-C/E | sleeve  | 75                    |      | 250°F (121°C) | 400-C/E | sleeve  | 50                    |
|      | Ambient       | 150-C/E | ferrule | 250                   |      | Ambient       | 400-C/E | ferrule | 150                   |
|      | 160°F (71°C)  | 150-C/E | ferrule | 200                   |      | 160°F (71°C)  | 400-C/E | ferrule | 75                    |
|      | 180°F (82°C)  | 150-C/E | ferrule | 150                   |      | 180°F (82°C)  | 400-C/E | ferrule | 75                    |
|      | 250°F (121°C) | 150-C/E | ferrule | 100                   |      | 250°F (121°C) | 400-C/E | ferrule | 75                    |
| 2"   | Ambient       | STC25CS | sleeve  | 250                   | 6"   | Ambient       | STC60CS | sleeve  | 75                    |
|      | 160°F (71°C)  | STC25CS | sleeve  | 150                   |      | 160°F (71°C)  | STC60CS | sleeve  | ---                   |
|      | 180°F (82°C)  | STC25CS | sleeve  | 125                   |      | 180°F (82°C)  | STC60CS | sleeve  | ---                   |
|      | 250°F (121°C) | STC25CS | sleeve  | 80                    |      | 250°F (121°C) | STC60CS | sleeve  | ---                   |
|      | Ambient       | STC25CS | ferrule | 300                   |      | Ambient       | STC60CS | ferrule | 230                   |
|      | 160°F (71°C)  | STC25CS | ferrule | 239                   |      | 160°F (71°C)  | STC60CS | ferrule | ---                   |
|      | 180°F (82°C)  | STC25CS | ferrule | 225                   |      | 180°F (82°C)  | STC60CS | ferrule | ---                   |
|      | 250°F (121°C) | STC25CS | ferrule | 100                   |      | 250°F (121°C) | STC60CS | ferrule | ---                   |
|      | Ambient       | 200-C/E | sleeve  | 250                   |      | Ambient       | 600-C/E | sleeve  | 75                    |
|      | 160°F (71°C)  | 200-C/E | sleeve  | 100                   |      | 160°F (71°C)  | 600-C/E | sleeve  | ---                   |
|      | 180°F (82°C)  | 200-C/E | sleeve  | 50                    |      | 180°F (82°C)  | 600-C/E | sleeve  | ---                   |
|      | 250°F (121°C) | 200-C/E | sleeve  | 50                    |      | 250°F (121°C) | 600-C/E | sleeve  | ---                   |
|      | Ambient       | 200-C/E | ferrule | 250                   |      | Ambient       | 600-C/E | ferrule | 75                    |
|      | 160°F (71°C)  | 200-C/E | ferrule | 100                   |      | 160°F (71°C)  | 600-C/E | ferrule | ---                   |
|      | 180°F (82°C)  | 200-C/E | ferrule | 100                   |      | 180°F (82°C)  | 600-C/E | ferrule | ---                   |
|      | 250°F (121°C) | 200-C/E | ferrule | 100                   |      | 250°F (121°C) | 600-C/E | ferrule | ---                   |

Hose Coupling  
Systems



**Dixon® Cam & Groove Type C Coupler x Hose Shank**

356T6 aluminum



brass



316 stainless steel



unplated ductile iron

**Features:**

- finger rings are not supplied on 1" Dixon® couplings
- couplers are supplied standard with a Buna-N gasket, other gasket types are available on pages 167 - 170
- ½" Dixon® coupler has only one cam arm
- use Dixon® replacement handles only

| Hose ID | 356T6 Aluminum<br>Part # | Brass<br>Part # | 316 Stainless Steel<br>Part # | Unplated Ductile<br>Iron<br>Part # |
|---------|--------------------------|-----------------|-------------------------------|------------------------------------|
| 1"      | <b>100-C-AL</b>          | <b>100-C-BR</b> | <b>100-C-SS</b>               | ---                                |
| 1½"     | <b>150-C-AL</b>          | <b>150-C-BR</b> | <b>150-C-SS</b>               | <b>150-C-MI</b>                    |
| 2"      | <b>200-C-AL</b>          | <b>200-C-BR</b> | <b>200-C-SS</b>               | <b>200-C-MI</b>                    |
| 3"      | <b>300-C-AL</b>          | <b>300-C-BR</b> | <b>300-C-SS</b>               | <b>300-C-MI</b> <sup>1</sup>       |
| 4"      | <b>400-C-AL</b>          | <b>400-C-BR</b> | <b>400-C-SS</b>               | <b>400-C-MI</b> <sup>1</sup>       |
| 6"      | <b>600-C-AL</b>          | <b>600-C-BR</b> | <b>600-C-SS</b>               | <b>600-C-MI</b> <sup>1</sup>       |

<sup>1</sup> ductile iron**Only use the crimp style shanks with the crimp style sleeves and ferrules.**Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.**EZ Boss-Lock™ Cam & Groove Type C Coupler x Hose Shank****Feature:**

- couplers are supplied standard with a Buna-N gasket, other gasket types are available on pages 167 - 170



| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>RC100EZCR</b>              |
| 1¼"  | <b>RC125EZCR</b>              |
| 1½"  | <b>RC150EZCR</b>              |
| 2"   | <b>RC200EZCR</b>              |
| 3"   | <b>RC300EZCR</b>              |
| 4"   | <b>RC400EZCR</b>              |
| 6"   | <b>RC600EZCR</b>              |

Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use. See page 122 for further specifications.



**Dixon® Type E Adapters**

male adapter x hose shank



Pressure rating is based on the seal of the mating part. See ratings on page 124

| Hose ID | 356T6 Aluminum Part # | Brass Part #    | 316 Stainless Steel Part # | Unplated Ductile Iron Part # |
|---------|-----------------------|-----------------|----------------------------|------------------------------|
| 1"      | <b>100-E-AL</b>       | <b>100-E-BR</b> | <b>100-E-SS</b>            | ---                          |
| 1½"     | <b>150-E-AL</b>       | <b>150-E-BR</b> | <b>150-E-SS</b>            | ---                          |
| 2"      | <b>200-E-AL</b>       | <b>200-E-BR</b> | <b>200-E-SS</b>            | ---                          |
| 3"      | <b>300-E-AL</b>       | <b>300-E-BR</b> | <b>300-E-SS</b>            | <b>300-E-MI</b>              |
| 4"      | <b>400-E-AL</b>       | <b>400-E-BR</b> | <b>400-E-SS</b>            | <b>400-E-MI</b>              |
| 6"      | <b>600-E-AL</b>       | <b>600-E-BR</b> | <b>600-E-SS</b>            | <b>600-E-MI</b>              |



356T6 aluminum



brass



316 stainless steel



unplated ductile iron

Hose Coupling  
Systems

B

**Global Crimp Style Cam & Groove Type C Coupler x Hose Shank****Features:**

- all couplers are supplied with safety clips
- couplers are supplied standard with a Buna-N gasket, other gasket types are available on pages 167 - 170
- use Global replacement handles only



Only use the crimp style shanks with the crimp style sleeves and ferrules.  
Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.

| Hose ID | A380 Permanent Mold Aluminum Part # | C38000 Forged Brass Part # | 316 Investment Cast Stainless Part # |
|---------|-------------------------------------|----------------------------|--------------------------------------|
| 1"      | <b>G100-C-ALCR</b>                  | <b>G100-C-BRCR</b>         | <b>G100-C-SSCR</b>                   |
| 1½"     | <b>G150-C-ALCR</b>                  | <b>G150-C-BRCR</b>         | <b>G150-C-SSCR</b>                   |
| 2"      | <b>G200-C-ALCR</b>                  | <b>G200-C-BRCR</b>         | <b>G200-C-SSCR</b>                   |
| 3"      | <b>G300-C-ALCR</b>                  | <b>G300-C-BRCR</b>         | <b>G300-C-SSCR</b>                   |
| 4"      | <b>G400-C-ALCR</b>                  | <b>G400-C-BRCR</b>         | <b>G400-C-SSCR</b>                   |
| 6"      | <b>G600-C-ALCR</b>                  | ---                        | <b>G600-C-SSCR</b>                   |



A380 permanent mold aluminum



C38000 forged brass



316 investment cast stainless

## Global Crimp Style Cam & Groove Type E Adapter x Hose Shank



A380 permanent mold aluminum



C38000 forged brass



316 investment cast stainless

**Only use the crimp style shanks with the crimp style sleeves and ferrules.**

Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products. Pressure rating is based on the seal of the mating part. See ratings on page 124.



| Hose ID | A380 Permanent Mold Aluminum Part # | C38000 Forged Brass Part # | 316 Investment Cast Stainless Steel Part # |
|---------|-------------------------------------|----------------------------|--|
| 1"      | <b>G100-E-ALCR</b>                  | <b>G100-E-BRCR</b>         | <b>G100-E-SSCR</b>                         |
| 1½"     | <b>G150-E-ALCR</b>                  | <b>G150-E-BRCR</b>         | <b>G150-E-SSCR</b>                         |
| 2"      | <b>G200-E-ALCR</b>                  | <b>G200-E-BRCR</b>         | <b>G200-E-SSCR</b>                         |
| 3"      | <b>G300-E-ALCR</b>                  | <b>G300-E-BRCR</b>         | <b>G300-E-SSCR</b>                         |
| 4"      | <b>G400-E-ALCR</b>                  | <b>G400-E-BRCR</b>         | <b>G400-E-SSCR</b>                         |
| 6"      | <b>G600-E-ALCR</b>                  | ---                        | <b>G600-E-SSCR</b>                         |

## Boss™ Ground Joint Stems

**Only use the crimp style shanks with the crimp style sleeves and ferrules.**

Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products. Pressure rating is based on the seal of the mating part. See ratings on page 124.



| Hose Shank x NPT | Plated Steel and / or Iron Part # | Opt Qty |
|------------------|-----------------------------------|---------|
| 2"               | <b>GB26</b>                       | 10      |
| 3"               | <b>GB36</b>                       | 5       |

- GB26 and GB36 has a machined shank to accept a Boss™ clamp, King Crimp™ sleeve or a ferrule

The King Crimp™ sleeve and ferrule are not intended for steam service.



## King Crimp™ Style Sleeves

- Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.
- for liquid service only
- not intended for steam service



| Hose ID | Hose OD  |          | Work. Pressure (PSI)      |                                | Sleeve ID | Sleeve Wall Thick. | Sleeve Overall Length | Carbon Steel Part # | 304 Stainless Steel Part # | Aluminum Part # |
|---------|----------|----------|---------------------------|--------------------------------|-----------|--------------------|-----------------------|---------------------|----------------------------|-----------------|
|         | From     | To       | cam & groove <sup>1</sup> | King Crimp nipple <sup>2</sup> |           |                    |                       |                     |                            |                 |
| 1"      | 1-13/64" | 1-16/64" | *                         | *                              | 1.313"    | .062"              | 2½"                   | CS100-1CS           | CS100-1SS                  | ---             |
|         | 1-17/64" | 1-20/64" | *                         | *                              | 1.375"    | .062"              | 2½"                   | CS100-2CS           | CS100-2SS                  | CS100-2AL       |
|         | 1-21/64" | 1-24/64" | *                         | *                              | 1.438"    | .062"              | 2½"                   | CS100-3CS           | CS100-3SS                  | ---             |
|         | 1-25/64" | 1-28/64" | *                         | *                              | 1.500"    | .062"              | 2½"                   | CS100-4CS           | CS100-4SS                  | CS100-4AL       |
|         | 1-29/64" | 1-32/64" | *                         | *                              | 1.563"    | .062"              | 2½"                   | CS100-5CS           | CS100-5SS                  | ---             |
|         | 1-33/64" | 1-36/64" | *                         | *                              | 1.625"    | .062"              | 2½"                   | CS100-6CS           | CS100-6SS                  | CS100-6AL       |
|         | 1-37/64" | 1-40/64" | *                         | *                              | 1.688"    | .062"              | 2½"                   | CS100-7CS           | CS100-7SS                  | ---             |
|         | 1-41/64" | 1-44/64" | *                         | *                              | 1.750"    | .062"              | 2½"                   | CS100-8CS           | CS100-8SS                  | ---             |
|         | 1-45/64" | 1-48/64" | *                         | *                              | 1.813"    | .062"              | 2½"                   | CS100-9CS           | CS100-9SS                  | ---             |
|         | 1-49/64" | 1-52/64" | *                         | *                              | 1.875"    | .062"              | 2½"                   | CS100-10CS          | CS100-10SS                 | ---             |
| 1¼"     | 1-41/64" | 1-44/64" | 250                       | 300                            | 1.750"    | .060"              | 2-5/8"                | CS125-3CS           | CS125-3SS                  | ---             |
|         | 1-45/64" | 1-48/64" | 250                       | 300                            | 1.813"    | .060"              | 2-5/8"                | CS125-4CS           | CS125-4SS                  | ---             |
|         | 1-49/64" | 1-52/64" | 250                       | 300                            | 1.875"    | .060"              | 2-5/8"                | CS125-5CS           | CS125-5SS                  | ---             |
|         | 1-53/64" | 1-56/64" | 250                       | 300                            | 1.938"    | .060"              | 2-5/8"                | CS125-6CS           | CS125-6SS                  | ---             |
| 1½"     | 1-41/64" | 1-44/64" | 250                       | 300                            | 1.750"    | .062"              | 2½"                   | CS150-1CS           | CS150-1SS                  | ---             |
|         | 1-45/64" | 1-48/64" | 250                       | 300                            | 1.813"    | .062"              | 2½"                   | CS150-2CS           | CS150-2SS                  | ---             |
|         | 1-49/64" | 1-52/64" | 250                       | 300                            | 1.875"    | .062"              | 2½"                   | CS150-3CS           | CS150-3SS                  | CS150-3AL       |
|         | 1-53/64" | 1-56/64" | 250                       | 300                            | 1.938"    | .062"              | 2½"                   | CS150-4CS           | CS150-4SS                  | ---             |
|         | 1-57/64" | 1-60/64" | 250                       | 300                            | 2.000"    | .062"              | 2½"                   | CS150-5CS           | CS150-5SS                  | ---             |
|         | 1-61/64" | 2"       | 250                       | 300                            | 2.063"    | .062"              | 2½"                   | CS150-6CS           | CS150-6SS                  | ---             |
|         | 2-1/64"  | 2-4/64"  | 250                       | 300                            | 2.125"    | .062"              | 2½"                   | CS150-7CS           | CS150-7SS                  | CS150-7AL       |
|         | 2-5/64"  | 2-8/64"  | 250                       | 300                            | 2.188"    | .062"              | 2½"                   | CS150-8CS           | CS150-8SS                  | ---             |
|         | 2-9/64"  | 2-12/64" | 250                       | 300                            | 2.250"    | .062"              | 2½"                   | CS150-9CS           | CS150-9SS                  | ---             |
|         | 2-13/64" | 2-16/64" | 250                       | 300                            | 2.313"    | .062"              | 2½"                   | CS150-10CS          | CS150-10SS                 | ---             |
|         | 2-17/64" | 2-20/64" | 250                       | 300                            | 2.375"    | .062"              | 2½"                   | CS150-11CS          | CS150-11SS                 | ---             |
|         | 2-21/64" | 2-24/64" | 250                       | 300                            | 2.438"    | .062"              | 2½"                   | CS150-12CS          | CS150-12SS                 | ---             |
| 2"      | 2-13/64" | 2-16/64" | 250                       | 250                            | 2.313"    | .062"              | 2-7/8"                | CS200-1CS           | CS200-1SS                  | ---             |
|         | 2-17/64" | 2-20/64" | 250                       | 250                            | 2.375"    | .062"              | 2-7/8"                | CS200-2CS           | CS200-2SS                  | ---             |
|         | 2-21/64" | 2-24/64" | 250                       | 250                            | 2.438"    | .062"              | 2-7/8"                | CS200-3CS           | CS200-3SS                  | ---             |
|         | 2-25/64" | 2-28/64" | 250                       | 250                            | 2.500"    | .062"              | 2-7/8"                | CS200-4CS           | CS200-4SS                  | CS200-4AL       |
|         | 2-29/64" | 2-32/64" | 250                       | 250                            | 2.563"    | .062"              | 2-7/8"                | CS200-5CS           | CS200-5SS                  | NEW CS200-5AL   |
|         | 2-33/64" | 2-36/64" | 250                       | 250                            | 2.625"    | .062"              | 2-7/8"                | CS200-6CS           | CS200-6SS                  | ---             |
|         | 2-37/64" | 2-40/64" | 250                       | 250                            | 2.688"    | .062"              | 2-7/8"                | CS200-7CS           | CS200-7SS                  | ---             |
|         | 2-41/64" | 2-44/64" | 250                       | 250                            | 2.750"    | .062"              | 2-7/8"                | CS200-8CS           | CS200-8SS                  | ---             |
|         | 2-45/64" | 2-48/64" | 250                       | 250                            | 2.813"    | .062"              | 2-7/8"                | CS200-9CS           | CS200-9SS                  | ---             |
|         | 2-49/64" | 2-52/64" | 250                       | 250                            | 2.875"    | .062"              | 2-7/8"                | CS200-10CS          | CS200-10SS                 | CS200-10AL      |
|         | 2-53/64" | 2-56/64" | 250                       | 250                            | 2.938"    | .062"              | 2-7/8"                | CS200-11CS          | CS200-11SS                 | NEW CS200-11AL  |
|         | 2-57/64" | 2-60/64" | 250                       | 250                            | 3.000"    | .062"              | 2-7/8"                | CS200-12CS          | CS200-12SS                 | NEW CS200-12AL  |

\* consult Dixon® at [engineering@dixonvalve.com](mailto:engineering@dixonvalve.com) for pressure rating

<sup>1</sup> based on using crimp cam & groove shanks

<sup>2</sup> based on using King™ crimp nipples



## King Crimp™ Style Sleeves

- Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.
- for liquid service only
- not intended for steam service



| Hose ID | Hose OD  |          | Work. Pressure (PSI)      |                                | Sleeve ID | Sleeve Wall Thick. | Sleeve Overall Length | Carbon Steel Part # | 304 Stainless Steel Part # | Aluminum Part # |
|---------|----------|----------|---------------------------|--------------------------------|-----------|--------------------|-----------------------|---------------------|----------------------------|-----------------|
|         | From     | To       | cam & groove <sup>1</sup> | King Crimp nipple <sup>2</sup> |           |                    |                       |                     |                            |                 |
| 3"      | 3-13/64" | 3-16/64" | 125                       | 200                            | 3.313"    | .090"              | 3¾"                   | CS300-1CS           | CS300-1SS                  | ---             |
|         | 3-17/64" | 3-20/64" | 125                       | 200                            | 3.375"    | .090"              | 3¾"                   | CS300-2CS           | CS300-2SS                  | ---             |
|         | 3-21/64" | 3-24/64" | 125                       | 200                            | 3.438"    | .090"              | 3¾"                   | CS300-3CS           | CS300-3SS                  | ---             |
|         | 3-25/64" | 3-28/64" | 125                       | 200                            | 3.500"    | .090"              | 3¾"                   | CS300-4CS           | CS300-4SS                  | ---             |
|         | 3-29/64" | 3-32/64" | 125                       | 200                            | 3.563"    | .090"              | 3¾"                   | CS300-5CS           | CS300-5SS                  | CS300-5AL       |
|         | 3-33/64" | 3-36/64" | 125                       | 200                            | 3.625"    | .090"              | 3¾"                   | CS300-6CS           | CS300-6SS                  | ---             |
|         | 3-37/64" | 3-40/64" | 125                       | 200                            | 3.688"    | .090"              | 3¾"                   | CS300-7CS           | CS300-7SS                  | ---             |
|         | 3-41/64" | 3-44/64" | 125                       | 200                            | 3.750"    | .090"              | 3¾"                   | CS300-8CS           | CS300-8SS                  | CS300-8AL       |
|         | 3-45/64" | 3-48/64" | 125                       | 200                            | 3.813"    | .090"              | 3¾"                   | CS300-9CS           | CS300-9SS                  | ---             |
|         | 3-49/64" | 3-52/64" | 125                       | 200                            | 3.875"    | .090"              | 3¾"                   | CS300-10CS          | CS300-10SS                 | NEW CS300-10AL  |
|         | 3-53/64" | 3-56/64" | 125                       | 200                            | 3.938"    | .090"              | 3¾"                   | CS300-11CS          | CS300-11SS                 | ---             |
|         | 3-57/64" | 3-60/64" | 125                       | 200                            | 4.000"    | .090"              | 3¾"                   | CS300-12CS          | CS300-12SS                 | CS300-12AL      |
|         | 3-61/64" | 4"       | 125                       | 200                            | 4.063"    | .090"              | 3¾"                   | CS300-13CS          | CS300-13SS                 | ---             |
|         | 4-1/64"  | 4-4/64"  | 125                       | 200                            | 4.125"    | .090"              | 3¾"                   | CS300-14CS          | CS300-14SS                 | ---             |
|         | 4-5/64"  | 4-8/64"  | 125                       | 200                            | 4.188"    | .090"              | 3¾"                   | CS300-15CS          | CS300-15SS                 | ---             |
|         | 4-9/64"  | 4-12/64" | 125                       | 200                            | 4.250"    | .090"              | 3¾"                   | CS300-16CS          | CS300-16SS                 | ---             |
| 4"      | 4-13/64" | 4-16/64" | 110                       | 175                            | 4.313"    | .090"              | 3¾"                   | CS400-1CS           | CS400-1SS                  | ---             |
|         | 4-17/64" | 4-20/64" | 110                       | 175                            | 4.375"    | .090"              | 3¾"                   | CS400-2CS           | CS400-2SS                  | ---             |
|         | 4-21/64" | 4-24/64" | 110                       | 175                            | 4.438"    | .090"              | 3¾"                   | CS400-3CS           | CS400-3SS                  | ---             |
|         | 4-25/64" | 4-28/64" | 110                       | 175                            | 4.500"    | .090"              | 3¾"                   | CS400-4CS           | CS400-4SS                  | ---             |
|         | 4-29/64" | 4-32/64" | 110                       | 175                            | 4.563"    | .090"              | 3¾"                   | CS400-5CS           | CS400-5SS                  | ---             |
|         | 4-33/64" | 4-36/64" | 110                       | 175                            | 4.625"    | .090"              | 3¾"                   | CS400-6CS           | CS400-6SS                  | ---             |
|         | 4-37/64" | 4-40/64" | 110                       | 175                            | 4.688"    | .090"              | 3¾"                   | CS400-7CS           | CS400-7SS                  | ---             |
|         | 4-41/64" | 4-44/64" | 110                       | 175                            | 4.750"    | .090"              | 3¾"                   | CS400-8CS           | CS400-8SS                  | ---             |
|         | 4-45/64" | 4-48/64" | 110                       | 175                            | 4.813"    | .090"              | 3¾"                   | CS400-9CS           | CS400-9SS                  | ---             |
|         | 4-49/64" | 4-52/64" | 110                       | 175                            | 4.875"    | .090"              | 3¾"                   | CS400-10CS          | CS400-10SS                 | CS400-10AL      |
|         | 4-53/64" | 4-56/64" | 110                       | 175                            | 4.938"    | .090"              | 3¾"                   | CS400-11CS          | CS400-11SS                 | NEW CS400-11AL  |
|         | 4-57/64" | 4-60/64" | 110                       | 175                            | 5.000"    | .090"              | 3¾"                   | CS400-12CS          | CS400-12SS                 | CS400-12AL      |
|         | 4-61/64" | 5"       | 110                       | 175                            | 5.063"    | .090"              | 3¾"                   | CS400-13CS          | CS400-13SS                 | ---             |
|         | 5-1/64"  | 5-4/64"  | 110                       | 175                            | 5.125"    | .090"              | 3¾"                   | CS400-14CS          | CS400-14SS                 | ---             |
|         | 5-5/64"  | 5-8/64"  | 110                       | 175                            | 5.188"    | .090"              | 3¾"                   | CS400-15CS          | CS400-15SS                 | ---             |
|         | 5-9/64"  | 5-12/64" | 110                       | 175                            | 5.250"    | .090"              | 3¾"                   | CS400-16CS          | CS400-16SS                 | ---             |
| 6"      | 6-21/64" | 6-28/64" | *                         | *                              | 6.500"    | .120"              | 5½"                   | CS600-1CS           | CS600-1SS                  | ---             |
|         | 6-29/64" | 6-36/64" | *                         | *                              | 6.625"    | .120"              | 5½"                   | CS600-2CS           | CS600-2SS                  | ---             |
|         | 6-37/64" | 6-44/64" | *                         | *                              | 6.750"    | .120"              | 5½"                   | CS600-3CS           | CS600-3SS                  | ---             |
|         | 6-45/64" | 6-52/64" | *                         | *                              | 6.875"    | .120"              | 5½"                   | CS600-4CS           | CS600-4SS                  | ---             |
|         | 6-53/64" | 6-60/64" | *                         | *                              | 7.000"    | .120"              | 5½"                   | CS600-5CS           | CS600-5SS                  | ---             |
|         | 6-61/64" | 7-4/64"  | *                         | *                              | 7.125"    | .120"              | 5½"                   | CS600-6CS           | CS600-6SS                  | ---             |
|         | 7-5/64"  | 7-12/64" | *                         | *                              | 7.250"    | .120"              | 5½"                   | CS600-7CS           | CS600-7SS                  | ---             |
|         | 7-13/64" | 7-20/64" | *                         | *                              | 7.375"    | .120"              | 5½"                   | CS600-8CS           | CS600-8SS                  | ---             |
|         | 7-21/64" | 7-28/64" | *                         | *                              | 7.500"    | .120"              | 5½"                   | CS600-9CS           | CS600-9SS                  | ---             |

\* consult Dixon® at [engineering@dixonvalve.com](mailto:engineering@dixonvalve.com) for pressure rating

<sup>1</sup> based on using crimp cam & groove shanks

<sup>2</sup> based on using King™ crimp nipples



## King Crimp™ Style Ferrules

Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.



| Hose ID | Hose OD  |          | Work. Pressure (PSI)      |                                | Ferrule ID | Ferrule Wall Thickness | Ferrule Overall Length | Carbon Steel Part # | 304 Stainless Steel Part # |
|---------|----------|----------|---------------------------|--------------------------------|------------|------------------------|------------------------|---------------------|----------------------------|
|         | From     | To       | cam & groove <sup>1</sup> | King Crimp nipple <sup>2</sup> |            |                        |                        |                     |                            |
| 1"      | 1-13/64" | 1-16/64" | *                         | *                              | 1.313"     | .062"                  | 2-13/16"               | <b>CF100-1CS</b>    | <b>CF100-1SS</b>           |
|         | 1-17/64" | 1-20/64" | *                         | *                              | 1.375"     | .062"                  | 2-13/16"               | <b>CF100-2CS</b>    | <b>CF100-2SS</b>           |
|         | 1-21/64" | 1-24/64" | *                         | *                              | 1.438"     | .062"                  | 2-13/16"               | <b>CF100-3CS</b>    | <b>CF100-3SS</b>           |
|         | 1-25/64" | 1-28/64" | *                         | *                              | 1.500"     | .062"                  | 2-13/16"               | <b>CF100-4CS</b>    | <b>CF100-4SS</b>           |
|         | 1-29/64" | 1-32/64" | *                         | *                              | 1.563"     | .062"                  | 2-13/16"               | <b>CF100-5CS</b>    | <b>CF100-5SS</b>           |
|         | 1-33/64" | 1-36/64" | *                         | *                              | 1.625"     | .062"                  | 2-13/16"               | <b>CF100-6CS</b>    | <b>CF100-6SS</b>           |
|         | 1-37/64" | 1-40/64" | *                         | *                              | 1.688"     | .062"                  | 2-13/16"               | <b>CF100-7CS</b>    | <b>CF100-7SS</b>           |
|         | 1-41/64" | 1-44/64" | *                         | *                              | 1.750"     | .062"                  | 2-13/16"               | <b>CF100-8CS</b>    | <b>CF100-8SS</b>           |
|         | 1-45/64" | 1-48/64" | *                         | *                              | 1.813"     | .062"                  | 2-13/16"               | <b>CF100-9CS</b>    | <b>CF100-9SS</b>           |
|         | 1-49/64" | 1-52/64" | *                         | *                              | 1.875"     | .062"                  | 2-13/16"               | <b>CF100-10CS</b>   | <b>CF100-10SS</b>          |
| 1¼"     | 1-41/64" | 1-44/64" | 250                       | 350                            | 1.750"     | .060"                  | 2-13/16"               | <b>CF125-3CS</b>    | <b>CF125-3SS</b>           |
|         | 1-45/64" | 1-48/64" | 250                       | 350                            | 1.813"     | .060"                  | 2-13/16"               | <b>CF125-4CS</b>    | <b>CF125-4SS</b>           |
|         | 1-49/64" | 1-52/64" | 250                       | 350                            | 1.875"     | .060"                  | 2-13/16"               | <b>CF125-5CS</b>    | <b>CF125-5SS</b>           |
|         | 1-53/64" | 1-56/64" | 250                       | 350                            | 1.938"     | .060"                  | 2-13/16"               | <b>CF125-6CS</b>    | <b>CF125-6SS</b>           |
|         |          |          |                           |                                |            |                        |                        |                     |                            |
| 1½"     | 1-41/64" | 1-44/64" | 250                       | 350                            | 1.750"     | .062"                  | 2-13/16"               | <b>CF150-1CS</b>    | <b>CF150-1SS</b>           |
|         | 1-45/64" | 1-48/64" | 250                       | 350                            | 1.813"     | .062"                  | 2-13/16"               | <b>CF150-2CS</b>    | <b>CF150-2SS</b>           |
|         | 1-49/64" | 1-52/64" | 250                       | 350                            | 1.875"     | .062"                  | 2-13/16"               | <b>CF150-3CS</b>    | <b>CF150-3SS</b>           |
|         | 1-53/64" | 1-56/64" | 250                       | 350                            | 1.938"     | .062"                  | 2-13/16"               | <b>CF150-4CS</b>    | <b>CF150-4SS</b>           |
|         | 1-57/64" | 1-60/64" | 250                       | 350                            | 2.000"     | .062"                  | 2-13/16"               | <b>CF150-5CS</b>    | <b>CF150-5SS</b>           |
|         | 1-61/64" | 2"       | 250                       | 350                            | 2.063"     | .062"                  | 2-13/16"               | <b>CF150-6CS</b>    | <b>CF150-6SS</b>           |
|         | 2-1/64"  | 2-4/64"  | 250                       | 350                            | 2.125"     | .062"                  | 2-13/16"               | <b>CF150-7CS</b>    | <b>CF150-7SS</b>           |
|         | 2-5/64"  | 2-8/64"  | 250                       | 350                            | 2.188"     | .062"                  | 2-13/16"               | <b>CF150-8CS</b>    | <b>CF150-8SS</b>           |
|         | 2-9/64"  | 2-12/64" | 250                       | 350                            | 2.250"     | .062"                  | 2-13/16"               | <b>CF150-9CS</b>    | <b>CF150-9SS</b>           |
|         | 2-13/64" | 2-16/64" | 250                       | 350                            | 2.313"     | .062"                  | 2-13/16"               | <b>CF150-10CS</b>   | <b>CF150-10SS</b>          |
|         | 2-17/64" | 2-20/64" | 250                       | 350                            | 2.375"     | .062"                  | 2-13/16"               | <b>CF150-11CS</b>   | <b>CF150-11SS</b>          |
|         | 2-21/64" | 2-24/64" | 250                       | 350                            | 2.438"     | .062"                  | 2-13/16"               | <b>CF150-12CS</b>   | <b>CF150-12SS</b>          |
|         |          |          |                           |                                |            |                        |                        |                     |                            |
|         |          |          |                           |                                |            |                        |                        |                     |                            |
| 2"      | 2-13/64" | 2-16/64" | 250                       | 300                            | 2.313"     | .062"                  | 3-1/8"                 | <b>CF200-1CS</b>    | <b>CF200-1SS</b>           |
|         | 2-17/64" | 2-20/64" | 250                       | 300                            | 2.375"     | .062"                  | 3-1/8"                 | <b>CF200-2CS</b>    | <b>CF200-2SS</b>           |
|         | 2-21/64" | 2-24/64" | 250                       | 300                            | 2.438"     | .062"                  | 3-1/8"                 | <b>CF200-3CS</b>    | <b>CF200-3SS</b>           |
|         | 2-25/64" | 2-28/64" | 250                       | 300                            | 2.500"     | .062"                  | 3-1/8"                 | <b>CF200-4CS</b>    | <b>CF200-4SS</b>           |
|         | 2-29/64" | 2-32/64" | 250                       | 300                            | 2.563"     | .062"                  | 3-1/8"                 | <b>CF200-5CS</b>    | <b>CF200-5SS</b>           |
|         | 2-33/64" | 2-36/64" | 250                       | 300                            | 2.625"     | .062"                  | 3-1/8"                 | <b>CF200-6CS</b>    | <b>CF200-6SS</b>           |
|         | 2-37/64" | 2-40/64" | 250                       | 300                            | 2.688"     | .062"                  | 3-1/8"                 | <b>CF200-7CS</b>    | <b>CF200-7SS</b>           |
|         | 2-41/64" | 2-44/64" | 250                       | 300                            | 2.750"     | .062"                  | 3-1/8"                 | <b>CF200-8CS</b>    | <b>CF200-8SS</b>           |
|         | 2-45/64" | 2-48/64" | 250                       | 300                            | 2.813"     | .062"                  | 3-1/8"                 | <b>CF200-9CS</b>    | <b>CF200-9SS</b>           |
|         | 2-49/64" | 2-52/64" | 250                       | 300                            | 2.875"     | .062"                  | 3-1/8"                 | <b>CF200-10CS</b>   | <b>CF200-10SS</b>          |
|         | 2-53/64" | 2-56/64" | 250                       | 300                            | 2.938"     | .062"                  | 3-1/8"                 | <b>CF200-11CS</b>   | <b>CF200-11SS</b>          |
|         | 2-57/64" | 2-60/64" | 250                       | 300                            | 3.000"     | .062"                  | 3-1/8"                 | <b>CF200-12CS</b>   | <b>CF200-12SS</b>          |

\* consult Dixon® at [engineering@dixonvalve.com](mailto:engineering@dixonvalve.com) for pressure rating

<sup>1</sup> based on using crimp cam & groove shanks

<sup>2</sup> based on using King™ crimp nipples





## King Crimp™ Style Ferrules

Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.



| Hose ID | Hose OD  |          | Work. Pressure (PSI)      |                                | Ferrule ID | Ferrule Wall Thickness | Ferrule Overall Length | Carbon Steel Part # | 304 Stainless Steel Part # |
|---------|----------|----------|---------------------------|--------------------------------|------------|------------------------|------------------------|---------------------|----------------------------|
|         | From     | To       | cam & groove <sup>1</sup> | King Crimp nipple <sup>2</sup> |            |                        |                        |                     |                            |
| 3"      | 3-13/64" | 3-16/64" | 150                       | 300                            | 3.313"     | .090"                  | 4"                     | CF300-1CS           | CF300-1SS                  |
|         | 3-17/64" | 3-20/64" | 150                       | 300                            | 3.375"     | .090"                  | 4"                     | CF300-2CS           | CF300-2SS                  |
|         | 3-21/64" | 3-24/64" | 150                       | 300                            | 3.438"     | .090"                  | 4"                     | CF300-3CS           | CF300-3SS                  |
|         | 3-25/64" | 3-28/64" | 150                       | 300                            | 3.500"     | .090"                  | 4"                     | CF300-4CS           | CF300-4SS                  |
|         | 3-29/64" | 3-32/64" | 150                       | 300                            | 3.563"     | .090"                  | 4"                     | CF300-5CS           | CF300-5SS                  |
|         | 3-33/64" | 3-36/64" | 150                       | 300                            | 3.625"     | .090"                  | 4"                     | CF300-6CS           | CF300-6SS                  |
|         | 3-37/64" | 3-40/64" | 150                       | 300                            | 3.688"     | .090"                  | 4"                     | CF300-7CS           | CF300-7SS                  |
|         | 3-41/64" | 3-44/64" | 150                       | 300                            | 3.750"     | .090"                  | 4"                     | CF300-8CS           | CF300-8SS                  |
|         | 3-45/64" | 3-48/64" | 150                       | 300                            | 3.813"     | .090"                  | 4"                     | CF300-9CS           | CF300-9SS                  |
|         | 3-49/64" | 3-52/64" | 150                       | 300                            | 3.875"     | .090"                  | 4"                     | CF300-10CS          | CF300-10SS                 |
|         | 3-53/64" | 3-56/64" | 150                       | 300                            | 3.938"     | .090"                  | 4"                     | CF300-11CS          | CF300-11SS                 |
|         | 3-57/64" | 3-60/64" | 150                       | 300                            | 4.000"     | .090"                  | 4"                     | CF300-12CS          | CF300-12SS                 |
|         | 3-61/64" | 4"       | 150                       | 300                            | 4.063"     | .090"                  | 4"                     | CF300-13CS          | CF300-13SS                 |
|         | 4-1/64"  | 4-4/64"  | 150                       | 300                            | 4.125"     | .090"                  | 4"                     | CF300-14CS          | CF300-14SS                 |
|         | 4-5/64"  | 4-8/64"  | 150                       | 300                            | 4.188"     | .090"                  | 4"                     | CF300-15CS          | CF300-15SS                 |
|         | 4-9/64"  | 4-12/64" | 150                       | 300                            | 4.250"     | .090"                  | 4"                     | CF300-16CS          | CF300-16SS                 |
| 4"      | 4-13/64" | 4-16/64" | 150                       | 300                            | 4.313"     | .090"                  | 4"                     | CF400-1CS           | CF400-1SS                  |
|         | 4-17/64" | 4-20/64" | 150                       | 300                            | 4.375"     | .090"                  | 4"                     | CF400-2CS           | CF400-2SS                  |
|         | 4-21/64" | 4-24/64" | 150                       | 300                            | 4.438"     | .090"                  | 4"                     | CF400-3CS           | CF400-3SS                  |
|         | 4-25/64" | 4-28/64" | 150                       | 300                            | 4.500"     | .090"                  | 4"                     | CF400-4CS           | CF400-4SS                  |
|         | 4-29/64" | 4-32/64" | 150                       | 300                            | 4.563"     | .090"                  | 4"                     | CF400-5CS           | CF400-5SS                  |
|         | 4-33/64" | 4-36/64" | 150                       | 300                            | 4.625"     | .090"                  | 4"                     | CF400-6CS           | CF400-6SS                  |
|         | 4-37/64" | 4-40/64" | 150                       | 300                            | 4.688"     | .090"                  | 4"                     | CF400-7CS           | CF400-7SS                  |
|         | 4-41/64" | 4-44/64" | 150                       | 300                            | 4.750"     | .090"                  | 4"                     | CF400-8CS           | CF400-8SS                  |
|         | 4-45/64" | 4-48/64" | 150                       | 300                            | 4.813"     | .090"                  | 4"                     | CF400-9CS           | CF400-9SS                  |
|         | 4-49/64" | 4-52/64" | 150                       | 300                            | 4.875"     | .090"                  | 4"                     | CF400-10CS          | CF400-10SS                 |
|         | 4-53/64" | 4-56/64" | 150                       | 300                            | 4.938"     | .090"                  | 4"                     | CF400-11CS          | CF400-11SS                 |
|         | 4-57/64" | 4-60/64" | 150                       | 300                            | 5.000"     | .090"                  | 4"                     | CF400-12CS          | CF400-12SS                 |
|         | 4-61/64" | 5"       | 150                       | 300                            | 5.063"     | .090"                  | 4"                     | CF400-13CS          | CF400-13SS                 |
|         | 5-1/64"  | 5-4/64"  | 150                       | 300                            | 5.125"     | .090"                  | 4"                     | CF400-14CS          | CF400-14SS                 |
|         | 5-5/64"  | 5-8/64"  | 150                       | 300                            | 5.188"     | .090"                  | 4"                     | CF400-15CS          | CF400-15SS                 |
|         | 5-9/64"  | 5-12/64" | 150                       | 300                            | 5.250"     | .090"                  | 4"                     | CF400-16CS          | CF400-16SS                 |
| 6"      | 6-21/64" | 6-28/64" | *                         | *                              | 6.500"     | .120"                  | 5-7/8"                 | CF600-1CS           | CF600-1SS                  |
|         | 6-29/64" | 6-36/64" | *                         | *                              | 6.625"     | .120"                  | 5-7/8"                 | CF600-2CS           | CF600-2SS                  |
|         | 6-37/64" | 6-44/64" | *                         | *                              | 6.750"     | .120"                  | 5-7/8"                 | CF600-3CS           | CF600-3SS                  |
|         | 6-45/64" | 6-52/64" | *                         | *                              | 6.875"     | .120"                  | 5-7/8"                 | CF600-4CS           | CF600-4SS                  |
|         | 6-53/64" | 6-60/64" | *                         | *                              | 7.000"     | .120"                  | 5-7/8"                 | CF600-5CS           | CF600-5SS                  |
|         | 6-61/64" | 7-4/64"  | *                         | *                              | 7.125"     | .120"                  | 5-7/8"                 | CF600-6CS           | CF600-6SS                  |
|         | 7-5/64"  | 7-12/64" | *                         | *                              | 7.250"     | .120"                  | 5-7/8"                 | CF600-7CS           | CF600-7SS                  |
|         | 7-13/64" | 7-20/64" | *                         | *                              | 7.375"     | .120"                  | 5-7/8"                 | CF600-8CS           | CF600-8SS                  |
|         | 7-21/64" | 7-28/64" | *                         | *                              | 7.500"     | .120"                  | 5-7/8"                 | CF600-9CS           | CF600-9SS                  |

\* consult Dixon® at [engineering@dixonvalve.com](mailto:engineering@dixonvalve.com) for pressure rating

<sup>1</sup> based on using crimp cam & groove shanks

<sup>2</sup> based on using King™ crimp nipples

**King Crimp™ Style Combination Nipples****Threaded End****Feature:**

- There are two grooves on the crimp style King™ Combination nipples. The second groove is the roll stamp groove which has the part number and 'call Dixon®' stamped on it. This groove is a smooth concentric groove so that the stamp is legible.

| Hose ID | Schedule 80 Plated Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # |
|---------|---|-------------------------------|
| 1"      | <b>STC10CS</b>                            | <b>RST10CS</b>                |
| 1¼"     | <b>STC15CS</b>                            | <b>RST15CS</b>                |
| 1½"     | <b>STC20CS</b>                            | <b>RST20CS</b>                |
| 2"      | <b>STC25CS</b>                            | <b>RST25CS</b>                |
| 3"      | <b>STC35CS</b>                            | <b>RST35CS</b>                |
| 4"      | <b>STC40CS</b>                            | <b>RST40CS</b>                |
| 6"      | <b>STC60CS</b>                            | <b>RST60CS</b>                |

- for 8" options see page 117

Hose Coupling  
Systems

B

**Grooved End****Feature:**

- There are two grooves on the crimp style King™ Combination nipples. The second groove is the roll stamp groove which has the part number and 'call Dixon®' stamped on it. This groove is a smooth concentric groove so that the stamp is legible.

| Hose ID | Schedule 80 Plated Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # |
|---------|---|-------------------------------|
| 1"      | <b>STV10CS</b>                            | <b>RSTV10CS</b>               |
| 1½"     | <b>STV20CS</b>                            | <b>RSTV20CS</b>               |
| 2"      | <b>STV25CS</b>                            | <b>RSTV25CS</b>               |
| 3"      | <b>STV35CS</b>                            | <b>RSTV35CS</b>               |
| 4"      | <b>STV40CS</b>                            | <b>RSTV40CS</b>               |
| 6"      | <b>STV60CS</b>                            | <b>RSTV60CS</b>               |

**Beveled End****Feature:**

- There are two grooves on the crimp style King™ Combination nipples. The second groove is the roll stamp groove which has the part number and 'call Dixon®' stamped on it. This groove is a smooth concentric groove so that the stamp is legible.

| Hose ID | Schedule 80 Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # |
|---------|------------------------------------|-------------------------------|
| 1"      | <b>STB10CS</b>                     | <b>RSTB10CS</b>               |
| 1½"     | <b>STB20CS</b>                     | <b>RSTB20CS</b>               |
| 2"      | <b>STB25CS</b>                     | <b>RSTB25CS</b>               |
| 3"      | <b>STB35CS</b>                     | <b>RSTB35CS</b>               |
| 4"      | <b>STB40CS</b>                     | <b>RSTB40CS</b>               |
| 6"      | <b>STB60CS</b>                     | <b>RSTB60CS</b>               |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

**FJIC**

| Hose ID | Ambient Working Pressures |         | Carbon Steel<br>Part # |
|---------|---------------------------|---------|------------------------|
|         | Sleeve                    | Ferrule |                        |
| 1"      | 400                       | 400     | <b>SFJCT10CS</b>       |
| 1½"     | 300                       | 350     | <b>SFJCT20CS</b>       |
| 2"      | 250                       | 300     | <b>SFJCT25CS</b>       |

**Only use the crimp style shanks with the crimp style sleeves and ferrules.**

Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.



**King Crimp™ Style****150# ASA Fixed (Welded) Flanges**

Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.

**Features:**

- There are two grooves on the crimp style King™ Combination nipples. The second groove is the roll stamp groove which has the part number and 'call Dixon®' stamped on it. This groove is a smooth concentric groove so that the stamp is legible.



| Size | Steel<br>Part # | 316 Stainless Steel<br>Part # |
|------|-----------------|-------------------------------|
| 1½"  | <b>FST20CS</b>  | <b>RFST20CS</b>               |
| 2"   | <b>FST25CS</b>  | <b>RFST25CS</b>               |
| 3"   | <b>FST35CS</b>  | <b>RFST35CS</b>               |
| 4"   | <b>FST40CS</b>  | <b>RFST40CS</b>               |
| 6"   | <b>FST60CS</b>  | <b>RFST60CS</b>               |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).
- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

**Combination Nipple x TTMA Flanges****Feature:**

- to be used with King Crimp™ sleeves and/or ferrules



carbon steel



aluminum

| Size | Flange<br>Thickness | Carbon Steel<br>Part # | Aluminum<br>Part # |
|------|---------------------|------------------------|--------------------|
| 3"   | ¼"                  | <b>TTFST35CS</b>       | ---                |
| 3"   | ⅜"                  | <b>TTFST35CS-THK</b>   | ---                |
| 4"   | 5/16"               | <b>TTFST40CS</b>       | <b>ATTFST40CS</b>  |
| 4"   | ⅜"                  | <b>TTFST40CS-THK</b>   | ---                |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).
- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

**Nipples for Floating Flanges****Feature:**

- to be used with King Crimp™ sleeves and/or ferrules



| Size | Plated Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # |
|------|-------------------------------|-------------------------------|
| 2"   | <b>N25CS</b>                  | <b>RN25CS</b>                 |
| 3"   | <b>N35CS</b>                  | <b>RN35CS</b>                 |
| 4"   | <b>N40CS</b>                  | <b>RN40CS</b>                 |
| 6"   | <b>N60CS</b>                  | <b>RN60CS</b>                 |

- To be used with LJ/LJR floating flanges on page 688.

**King Crimp™ Style****Short Combination Nipples - Threaded End**

- for use with ferrules below

| Size | Schedule 40 Plated Carbon Steel<br>Part # |
|------|---|
| 8"   | <b>STC80CS</b>                            |

Hose Coupling  
Systems**Short Combination Nipples - Grooved End**

| Size | Schedule 40 Plated Carbon Steel<br>Part # |
|------|---|
| 8"   | <b>STV80CS</b>                            |



- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

**Short Ferrules**

- consult Dixon® for additional ferrule sizes

| Hose ID | Hose OD  |          | Ferrule Wall Thickness | Ferrule ID | Ferrule Overall Length | Carbon Steel Part # |
|---------|----------|----------|------------------------|------------|------------------------|---------------------|
|         | From     | To       |                        |            |                        |                     |
| 8"      | 8-29/64" | 8-36/64" | .120"                  | 8.625"     | 4.25"                  | <b>CFS800-1CS</b>   |
|         | 8-37/64" | 8-44/64" | .120"                  | 8.750"     | 4.25"                  | <b>CFS800-2CS</b>   |
|         | 8-45/64" | 8-52/64" | .120"                  | 8.875"     | 4.25"                  | <b>CFS800-3CS</b>   |
|         | 8-53/64" | 8-60/64" | .120"                  | 9.000"     | 4.25"                  | <b>CFS800-4CS</b>   |
|         | 8-61/64" | 9-4/64"  | .120"                  | 9.125"     | 4.25"                  | <b>CFS800-5CS</b>   |
|         | 9-5/64"  | 9-12/64" | .120"                  | 9.250"     | 4.25"                  | <b>CFS800-6CS</b>   |
|         | 9-13/64" | 9-20/64" | .120"                  | 9.375"     | 4.25"                  | <b>CFS800-7CS</b>   |
|         | 9-21/64" | 9-28/64" | .120"                  | 9.500"     | 4.25"                  | <b>CFS800-8CS</b>   |

**Large Sleeves**

| Hose ID | Sleeve ID | Sleeve Wall Thickness | Sleeve Overall Length | Carbon Steel Part #    |
|---------|-----------|-----------------------|-----------------------|------------------------|
| 8"      | 8.30"     | 0.120"                | 8.75"                 | <b>S830X875X120CS</b>  |
|         | 8.38"     | 0.120"                | 6.00"                 | <b>S838X600X120CS</b>  |
|         | 8.50"     | 0.120"                | 6.50"                 | <b>S850X650X120CS</b>  |
|         | 8.75"     | 0.120"                | 6.00"                 | <b>S875X600X120CS</b>  |
|         | 8.98"     | 0.120"                | 8.75"                 | <b>S898X875X120CS</b>  |
|         | 9.00"     | 0.090"                | 4.00"                 | <b>S900X400X090CS</b>  |
|         | 9.00"     | 0.120"                | 4.00"                 | <b>S900X400X120CS</b>  |
|         | 9.00"     | 0.120"                | 6.00"                 | <b>S900X600X120CS</b>  |
|         | 9.10"     | 0.120"                | 4.00"                 | <b>S910X400X120CS</b>  |
|         | 9.12"     | 0.120"                | 6.00"                 | <b>S912X600X120CS</b>  |
|         | 9.15"     | 0.120"                | 6.00"                 | <b>S915X600X120CS</b>  |
|         | 9.25"     | 0.120"                | 4.00"                 | <b>S925X400X120CS</b>  |
|         | 9.25"     | 0.120"                | 6.00"                 | <b>S925X600X120CS</b>  |
|         | 9.50"     | 0.120"                | 4.00"                 | <b>S950X400X120CS</b>  |
|         | 9.50"     | 0.120"                | 6.00"                 | <b>S950X600X120CS</b>  |
|         | 9.75"     | 0.120"                | 6.00"                 | <b>S975X600X120CS</b>  |
| 10"     | 10.25"    | 0.120"                | 7.50"                 | <b>S1025X750X120CS</b> |
|         | 10.50"    | 0.120"                | 7.50"                 | <b>S1050X750X120CS</b> |
|         | 11.00"    | 0.120"                | 6.00"                 | <b>S1100X600X120CS</b> |
|         | 11.75"    | 0.120"                | 6.00"                 | <b>S1175X600X120CS</b> |



- consult Dixon® for additional sleeve sizes

**King Crimp™ Style****Combination Nipples - Heavy Duty, Threaded End****Application:**

- used in the fast paced transfer of water, chemicals and sand slurry to a hydraulic fracturing site

**Features:**

- Water and petroleum transfer hoses rated from 100 to 300 PSI WP (4:1 SF) have excellent test results with the standard King Crimp™ ferrules *CF400-xxCS*.
- 400 PSI working pressure at 70°F (21°C) when used with heavy duty crimp ferrules (CF400-6CSHD through CF400-16CSHD)
- used with ferrules below



| Size | Description      | Schedule 80 Steel Part# |
|------|------------------|-------------------------|
| 4"   | male NPT fitting | <b>STC40CSHD</b>        |

**Ferrules - Heavy Duty**

**Only use the crimp style shanks with the crimp style sleeves and ferrules.** Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.



- 400 PSI working pressure with a minimum 4:1 safety factor (*hose burst: hose working pressure*) is only achieved with heavy duty (HD) crimp ferrules, CF400-6CSHD through CF400-16CSHD using heavy duty King Crimp™ stem STC40CSHD.



| Hose ID | Hose OD  |          | Ferrule Wall Thickness | Ferrule ID | Ferrule Overall Length | Carbon Steel Part # |
|---------|----------|----------|------------------------|------------|------------------------|---------------------|
|         | From     | To       |                        |            |                        |                     |
| 4"      | 4-33/64" | 4-36/64" | 0.120"                 | 4.625"     | 4"                     | <b>CF400-6CSHD</b>  |
|         | 4-37/64" | 4-40/64" | 0.120"                 | 4.688"     | 4"                     | <b>CF400-7CSHD</b>  |
|         | 4-41/64" | 4-44/64" | 0.120"                 | 4.750"     | 4"                     | <b>CF400-8CSHD</b>  |
|         | 4-45/64" | 4-48/64" | 0.120"                 | 4.813"     | 4"                     | <b>CF400-9CSHD</b>  |
|         | 4-49/64" | 4-52/64" | 0.120"                 | 4.875"     | 4"                     | <b>CF400-10CSHD</b> |
|         | 4-53/64" | 4-56/64" | 0.120"                 | 4.938"     | 4"                     | <b>CF400-11CSHD</b> |
|         | 4-57/64" | 4-60/64" | 0.120"                 | 5.000"     | 4"                     | <b>CF400-12CSHD</b> |
|         | 4-61/64" | 5"       | 0.120"                 | 5.063"     | 4"                     | <b>CF400-13CSHD</b> |
|         | 5-1/64"  | 5-4/64"  | 0.120"                 | 5.125"     | 4"                     | <b>CF400-14CSHD</b> |
|         | 5-5/64"  | 5-8/64"  | 0.120"                 | 5.188"     | 4"                     | <b>CF400-15CSHD</b> |
|         | 5-9/64"  | 5-12/64" | 0.120"                 | 5.250"     | 4"                     | <b>CF400-16CSHD</b> |

|  |  |
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## EZLink™ Armless

**Features:**

- automatic couplers push-to-connect providing a reliable connection
- coupler tabs cannot be pushed to disconnect when pressurized to 20 PSI or over
- low profile allows easy connection and disconnection in tight applications
- coupler push tabs can be locked with safety pins and/or zip tie
- maximum working pressure with King Crimp™ ferrules: **250 PSI** (2"), **150 PSI** (3" and 4")
- 4" maximum working pressure with crimp sleeves: **110 PSI**
- 4" maximum working pressure with band clamps: **100 PSI**
- gasket temperature range: **5°F to 180°F (-15°C to 82°C)**
- lifetime warranty on stainless steel tabs



Cam &amp; Groove

## Vent-Lock™ Safety

**Features:**

- safety release cam & groove couplings permit the release of static pressure when disconnecting hose assemblies
- venting system protects operator from being sprayed with hazardous or non-hazardous fluids or solids
- rated to **250 PSI**, recommendation based on the use of mating Dixon™ L-style fittings at ambient temperature **70°F (21°C)** with standard Buna-N seal installed, for use at elevated temperature or other unusual operating conditions, consult Dixon™
  - 1", 1½" and 2" sizes have a maximum working pressure of **250 PSI**
  - 3" maximum working pressure **150 PSI** with King Crimp™ ferrules, crimp sleeves and bands at **125 PSI**
- does not interchange with standard cam & groove products use only with Vent-Lock™ L-style fittings



## Dixon®

**Features:**

- precision machined to rigid tolerances
- durable stainless steel cam arm pins will not rust or bind, providing greater strength and safety
- recess holds gasket firmly in place - ensures proper placement
- long shank design allows proper banding, thus eliminating the major cause of hose damage



## EZ Boss-Lock™

Cam &amp; Groove

**Features:**

- no more fumbling with clamps, wire, clips or pins, just close the handles and the locking mechanism is engaged
- extremely easy to open, the release lever is under your thumb when you want to open the fitting, ergonomic
- resistant to accidental disconnection when being dragged; the release lever opens in the direction opposite to the cam arm, so movements that can open the release lever also can close the cam arm
- if the rotating lever is not flush with the handle, it is not properly engaged
- no sliding pins to jam or pop open
- rotating action helps keep the locking device free of debris
- rugged design protects critical parts from impact
- can be supplied with custom shanks, also available with swaged and PF shanks for hard to couple chemical hoses
- assemblies are investment cast stainless steel with plated carbon steel pull rings
- small OD makes it easy to insert into the hose tubes on tank trucks and to use in restricted spaces
- assemblies can be retrofitted onto undamaged stainless steel Boss-Lock™ allowing you to protect your investment in stainless steel Boss-Lock™ couplings while you upgrade
- EZ Boss-Lock™ investment stainless steel cam arms are guaranteed! Should you break one, return it to the nearest warehouse for a free replacement.

## Boss-Lock™

**Features:**

- The cast-in lugs allow safety clips to be attached once the lugs are passed through slots in the special cam lever arms providing a patented safety feature. The clips prevent the coupler from being unlocked until they are removed, providing a *positive locking action*.
- Boss-Lock™ investment stainless steel cam arms are guaranteed! Should you break a Boss-Lock™ investment stainless steel cam arm, return it to the nearest warehouse for a free replacement.
- The pull ring safety clip simplifies the locking action on Boss-Lock™ couplers. No more inserting clips or dangling lanyards, just a twist and it's locked, giving you a low profile positive locking action.

## King Crimp™ System Cam and Groove

Dixon® Type C  
domestic couplerEZ Boss-Lock™ Type C  
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global couplerDixon® Type E  
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global adapter

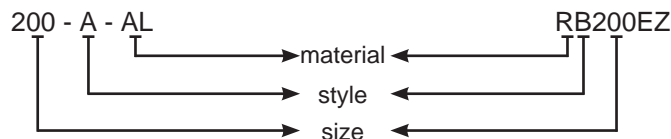
- for a complete listing of King Crimp™ system products, including cam & groove fittings, please reference pages 107 - 118

## Crimp Working Pressure Chart

| Size | Temperature   | Fitting | Clamp   | Dixon®<br>Crimp (PSI) | Size | Temperature   | Fitting | Clamp   | Dixon®<br>Crimp (PSI) |
|------|---------------|---------|---------|-----------------------|------|---------------|---------|---------|-----------------------|
| 1"   | Ambient       | 100-C/E | sleeve  | 250                   | 3"   | Ambient       | 300-C/E | sleeve  | 125                   |
|      | 160°F (71°C)  | 100-C/E | sleeve  | 242                   |      | 160°F (71°C)  | 300-C/E | sleeve  | 100                   |
|      | 180°F (82°C)  | 100-C/E | sleeve  | 240                   |      | 180°F (82°C)  | 300-C/E | sleeve  | 60                    |
|      | 250°F (121°C) | 100-C/E | sleeve  | 200                   |      | 250°F (121°C) | 300-C/E | sleeve  | 55                    |
|      | Ambient       | 100-C/E | ferrule | 250                   |      | Ambient       | 300-C/E | ferrule | 150                   |
|      | 160°F (71°C)  | 100-C/E | ferrule | 242                   |      | 160°F (71°C)  | 300-C/E | ferrule | 125                   |
|      | 180°F (82°C)  | 100-C/E | ferrule | 240                   |      | 180°F (82°C)  | 300-C/E | ferrule | 100                   |
|      | 250°F (121°C) | 100-C/E | ferrule | 200                   |      | 250°F (121°C) | 300-C/E | ferrule | 75                    |
| 1½"  | Ambient       | 150-C/E | sleeve  | 250                   | 4"   | Ambient       | 400-C/E | sleeve  | 110                   |
|      | 160°F (71°C)  | 150-C/E | sleeve  | 200                   |      | 160°F (71°C)  | 400-C/E | sleeve  | 75                    |
|      | 180°F (82°C)  | 150-C/E | sleeve  | 100                   |      | 180°F (82°C)  | 400-C/E | sleeve  | 60                    |
|      | 250°F (121°C) | 150-C/E | sleeve  | 75                    |      | 250°F (121°C) | 400-C/E | sleeve  | 50                    |
|      | Ambient       | 150-C/E | ferrule | 250                   |      | Ambient       | 400-C/E | ferrule | 150                   |
|      | 160°F (71°C)  | 150-C/E | ferrule | 200                   |      | 160°F (71°C)  | 400-C/E | ferrule | 75                    |
|      | 180°F (82°C)  | 150-C/E | ferrule | 150                   |      | 180°F (82°C)  | 400-C/E | ferrule | 75                    |
|      | 250°F (121°C) | 150-C/E | ferrule | 100                   |      | 250°F (121°C) | 400-C/E | ferrule | 75                    |
| 2"   | Ambient       | 200-C/E | sleeve  | 250                   | 6"   | Ambient       | 600-C/E | sleeve  | 75                    |
|      | 160°F (71°C)  | 200-C/E | sleeve  | 100                   |      | 160°F (71°C)  | 600-C/E | sleeve  | *                     |
|      | 180°F (82°C)  | 200-C/E | sleeve  | 50                    |      | 180°F (82°C)  | 600-C/E | sleeve  | *                     |
|      | 250°F (121°C) | 200-C/E | sleeve  | 50                    |      | 250°F (121°C) | 600-C/E | sleeve  | *                     |
|      | Ambient       | 200-C/E | ferrule | 250                   |      | Ambient       | 600-C/E | ferrule | 75                    |
|      | 160°F (71°C)  | 200-C/E | ferrule | 100                   |      | 160°F (71°C)  | 600-C/E | ferrule | *                     |
|      | 180°F (82°C)  | 200-C/E | ferrule | 100                   |      | 180°F (82°C)  | 600-C/E | ferrule | *                     |
|      | 250°F (121°C) | 200-C/E | ferrule | 100                   |      | 250°F (121°C) | 600-C/E | ferrule | *                     |

\* Consult Dixon® for PSI ratings

## Ordering System



Size represents the coupler or adapter and hose or pipe end (i.e. 200 = 2"). If the coupling is a reducing size, the coupler or adapter is the first size (i.e. 4030-C is 4" coupler to 3" hose shank).

## Operation of Cam and Groove

1. To make connection, slide the adapter into the coupler and with normal hand pressure, press the cam levers down.
2. Uncoupling is as quick and simple as coupling. Just lift the cam arms and remove the adapter.

## Specifications on Dixon Cam and Groove

### Specifications:

- Dixon®, Boss-Lock™ and EZ Boss-Lock™ cam & groove couplers and adapters are produced to interchange with all product produced to Commercial Item Description A-A-59326D.
- No standard exists for the ½", 5" and 8" fittings, and generally these sizes do not interchange with other manufacturers.
- Dust caps and dust plugs are **not** to be used in pressure applications for safety and environmental reasons.
- *Designed for use with liquids*, consult Dixon® for specific recommendations.

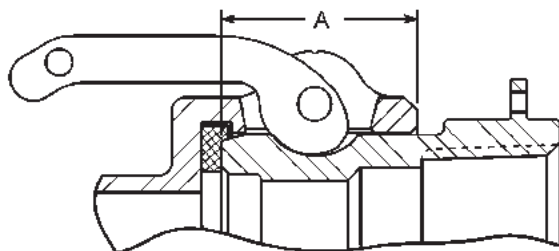
### Pressure Ratings:

Recommendations based on the use of mating Dixon® fittings at ambient temperature **70°F (21°C)** with standard Buna-N seal installed. For use at elevated temperature or other unusual operating conditions, consult Dixon®. Dixon®, Boss-Lock™ and EZ Boss-Lock™ couplers and adapters maximum working pressure are as follows:



| Size  | ½"         | ¾" thru 2" | 2½"        | 3"         | 4"         | 5" and 6" | 8"        |
|---|------------|------------|------------|------------|------------|-----------|-----------|
| PSI   | <b>150</b> | <b>250</b> | <b>150</b> | <b>125</b> | <b>100</b> | <b>75</b> | <b>50</b> |
| PSI<br>(working pressure with King Crimp™ ferrule system) | <b>150</b> | <b>250</b> | <b>150</b> | <b>150</b> | <b>150</b> | <b>75</b> | <b>50</b> |

## Cam and Groove Nominal Take-Up Lengths



| Coupling Size | Dimension A |
|---------------|-------------|
| ½"            | 0.97"       |
| ¾"            | 0.97"       |
| 1"            | 1.20"       |
| 1¼"           | 1.44"       |
| 1½"           | 1.50"       |
| 2"            | 1.81"       |
| 2½"           | 1.82"       |
| 3"            | 1.78"       |
| 4"            | 1.84"       |
| 5"            | 2.00"       |
| 6"            | 2.13"       |
| 8"            | 2.06"       |
| 8"            | 3.22"       |

## Cam and Groove Configurations

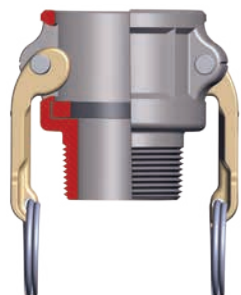
Configurations are representative of the Dixon® line of cam & groove.



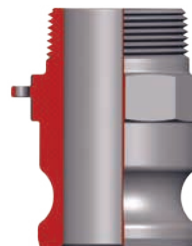
**Type A**  
male adapter x female NPT



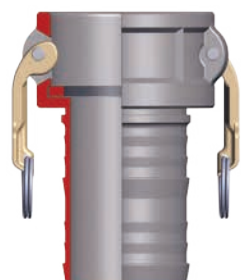
**Type E**  
male adapter x hose shank



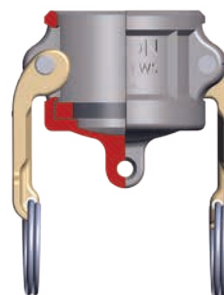
**Type B**  
female coupler x male NPT



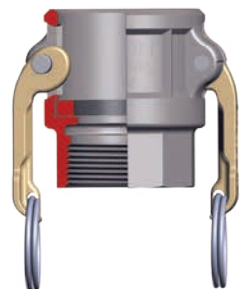
**Type F**  
male adapter x male NPT



**Type C**  
female coupler x hose shank



**Type DC**<sup>1</sup>  
dust cap



**Type D**  
female coupler x female NPT



**Type DP**<sup>1</sup>  
dust plug



<sup>1</sup> Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.

### **⚠ WARNING**

Under no circumstances should cam and groove couplings be used for compressed air or steam service!



## EZLink™ Armless Cam and Groove

**Applications:**

- transfer and/or unloading of fuels (gasoline or diesel) from tank truck to storage tanks
- transfer of liquids compatible with the available coupling and gasket materials

**Materials:**


- Couplings and dust caps: A356 aluminum, 316 stainless steel
- Coupler tabs and springs: 316 stainless steel
- Gasket: Buna-N

**Features:**

- automatic couplers push-to-connect providing a reliable connection
- low profile allows easy connection and disconnection in tight applications
- coupler push tabs can be locked with safety pins and/or zip tie
- compatible with standard cam and groove adapters
- lifetime warranty on stainless steel tabs

**Specifications:**




- maximum working pressure with King Crimp™ ferrules: **250 PSI** (2"), **150 PSI** (3" and 4")
- maximum working pressure with crimp sleeves: 2" **250 PSI**, 3" **125 PSI**, 4" **110 PSI**
- maximum working pressure with band clamps: 2" **250 PSI**, 3" **125 PSI**, 4" **100 PSI**
- gasket temperature range: **5°F to 180°F (-15°C to 82°C)**

Only use EZLink™ gaskets and tabs for this coupling system. Traditional cam & groove handles and gaskets, or other types of seals are not compatible and will fail. 

### Type B Couplers

coupler x male NPT






| Size | A356 Aluminum<br>Part #   | 316 Stainless Steel<br>Part #  |
|------|---|--|
| 1½"  | <b>EZL150-B-AL</b>  | <b>EZL150-B-SS</b>  |
| 2"   | <b>EZL200-B-AL</b>  | <b>EZL200-B-SS</b>   |
| 3"   | <b>EZL300-B-AL</b>  | <b>EZL300-B-SS</b>  |
| 4"   | <b>EZL400-B-AL</b>  | ---  |

### Type C Couplers - King Crimp™ Hose Shank

coupler x hose shank






| Size | A356 Aluminum<br>Part #   | 316 Stainless Steel<br>Part #  |
|------|---|--|
| 1½"  | <b>EZL150-C-AL</b>  | <b>EZL150-C-SS</b>  |
| 2"   | <b>EZL200-C-AL</b>  | <b>EZL200-C-SS</b>   |
| 3"   | <b>EZL300-C-AL</b>  | <b>EZL300-C-SS</b>  |
| 4"   | <b>EZL400-C-AL</b>  | ---  |

### Type D Couplers

coupler x female NPT



| Size | A356 Aluminum<br>Part #   | 316 Stainless Steel<br>Part #  |
|------|---|--|
| 1½"  | <b>EZL150-D-AL</b>  | <b>EZL150-D-SS</b>  |
| 2"   | <b>EZL200-D-AL</b>  | <b>EZL200-D-SS</b>   |
| 3"   | <b>EZL300-D-AL</b>  | <b>EZL300-D-SS</b>  |
| 4"   | <b>EZL400-D-AL</b>  | ---  |

## Type DC Dust Caps

| Size | A356 Aluminum<br>Part #        | 316 Stainless Steel<br>Part #  |
|------|--------------------------------|--------------------------------|
| 1½"  | <b>EZL150-DC-AL</b> <b>NEW</b> | <b>EZL150-DC-SS</b> <b>NEW</b> |
| 2"   | <b>EZL200-DC-AL</b>            | <b>EZL200-DC-SS</b>            |
| 3"   | <b>EZL300-DC-AL</b>            | <b>EZL300-DC-SS</b> <b>NEW</b> |
| 4"   | <b>EZL400-DC-AL</b>            | ---                            |



Cam &amp; Groove

## Replacement Kits

- kit contains: 2 pins, 2 springs and 2 tabs

| Size      | Part #              |
|-----------|---------------------|
| 2"        | <b>EZL200RPLKIT</b> |
| 3" and 4" | <b>EZL300RPLKIT</b> |



## Replacement Gaskets

| Size | Buna-N<br>Part #              | Fluorosilicone<br>Part #      | FKM<br>Part #                 |
|------|-------------------------------|-------------------------------|-------------------------------|
| 1½"  | <b>EZL150-G-BU</b> <b>NEW</b> | <b>EZL150-G-FV</b> <b>NEW</b> | <b>EZL150-G-VI</b> <b>NEW</b> |
| 2"   | <b>EZL200-G-BU</b>            | <b>EZL200-G-FV</b>            | <b>EZL200-G-VI</b>            |
| 3"   | <b>EZL300-G-BU</b>            | <b>EZL300-G-FV</b>            | <b>EZL300-G-VI</b>            |
| 4"   | <b>EZL400-G-BU</b>            | <b>EZL400-G-FV</b>            | <b>EZL400-G-VI</b>            |



## Safety Clip

|                               |
|-------------------------------|
| Plated Carbon Steel<br>Part # |
| <b>EZLCL400</b>               |

- clip is optional



## Bottle Opener

|                  |
|------------------|
| Brass<br>Part #  |
| <b>CAMOPENER</b> |




## Vent-Lock™ Safety Cam and Groove Couplings

### Application:

- transfer of fluids and solids, with a safer disconnection

### Features:

- safety release cam and groove couplings permit the release of static pressure when disconnecting hose assemblies
- venting system protects operator from being sprayed with hazardous or non-hazardous fluids or solids
- rated to **250 PSI**, recommendation based on the use of mating Dixon® L-style fittings at ambient temperature **70°F (21°C)** with standard Buna-N seal installed, for use at elevated temperature or other unusual operating conditions, consult Dixon™
  - 1", 1½" and 2" sizes have a maximum working pressure of **250 PSI**
  - 3" maximum working pressure **150 PSI** with King Crimp™ ferrules, crimp sleeves and bands at **125 PSI**
  - 4" maximum working pressure **150 PSI** with King Crimp™ ferrules, crimp sleeves and bands at **100 PSI**
- does not interchange with standard cam and groove products use only with Dixon®  L-style fittings
- safety orange cam arms
- consult Dixon® for availability of other materials

### Attachment Options:

- ferrules, sleeves, bands, and other reliable options



### Type A Adapters adapter x female NPT

| Size | 316 Stainless Steel<br>Part # | Aluminum<br>Part # |
|------|-------------------------------|--------------------|
| 1"   | <b>L100-A-SS</b>              | ---                |
| 1½"  | <b>L150-A-SS</b>              | ---                |
| 2"   | <b>L200-A-SS</b>              | ---                |
| 3"   | <b>L300-A-SS</b>              | ---                |
| 4"   | ---                           | <b>L400-A-AL</b>   |



### Type C Couplers coupler x hose shank

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>L100-C-SS</b>              |
| 1½"  | <b>L150-C-SS</b>              |
| 2"   | <b>L200-C-SS</b>              |

### EZ Boss-Lock™ Type C Couplers coupler x hose shank



| Size | 316 Stainless Steel<br>Part # | Aluminum<br>Part #          |
|------|-------------------------------|-----------------------------|
| 1"   | <b>RLC100EZ</b>               | ---                         |
| 1½"  | <b>RLC150EZ</b>               | ---                         |
| 2"   | <b>RLC200EZ<sup>1</sup></b>   | ---                         |
| 3"   | <b>RLC300EZ<sup>1</sup></b>   | ---                         |
|      | ---                           | <b>ALC400EZ<sup>1</sup></b> |

<sup>1</sup> has drop shank

## Type D Couplers

coupler x female NPT

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>RLD100EZ</b>               |
| 1½"  | <b>RLD150EZ</b>               |
| 2"   | <b>RLD200EZ</b>               |



Cam &amp; Groove

## Type E Adapters

adapter x hose shank

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>L100-E-SS</b>              |
| 1½"  | <b>L150-E-SS</b>              |
| 2"   | <b>L200-E-SS</b>              |
| 3"   | <b>L300-E-SS</b>              |



## Type DC Dust Caps

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>L100-DC-SS</b>             |
| 1½"  | <b>L150-DC-SS</b>             |
| 2"   | <b>L200-DC-SS</b>             |



## Type DP Dust Plugs

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>L100-DP-SS</b>             |
| 1½"  | <b>L150-DP-SS</b>             |
| 2"   | <b>L200-DP-SS</b>             |
| 3"   | <b>L300-DP-SS</b>             |



## EZ Boss-Lock™ Type H Dust Caps

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>RLH100EZ</b>               |
| 1½"  | <b>RLH150EZ</b>               |
| 2"   | <b>RLH200EZ</b>               |
| 3"   | <b>RLH300EZ</b>               |



Accessories

Cam & Groove

Dixon® handle assembly

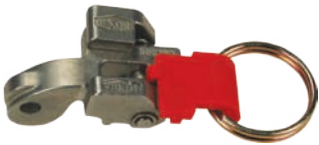
- use only with Dixon® Vent-Lock™ couplers
- includes handle, ring and pin



| Size           | 316 Stainless Steel<br>Part #                  |
|----------------|--|
| 1"<br>1½" - 2" | <b>L100-HSCR-P-SI</b><br><b>L200-HSCR-P-SI</b> |

EZ Boss-Lock™ handle assembly

- use only with EZ Boss-Lock™ Vent Lock™ couplers
- includes handle, ring and pin



| Size                 | 316 Stainless Steel<br>Part #                        |
|----------------------|--|
| 1"<br>1½" - 2"<br>3" | <b>LRHEZ175</b><br><b>LRHEZ152</b><br><b>LRHEZ34</b> |


## Type A Adapters

### adapter x female NPT

**Feature:**

- Pressure rating is based on the seal of the mating part. See ratings on page 124.

| Size        | 356T6 Aluminum<br>Part #      | Aluminum Hard Coat<br>Part # | Brass<br>Part #  |
|-------------|-------------------------------|------------------------------|------------------|
| 1/2"        | <b>50-A-AL</b> <sup>2</sup>   | ---                          | <b>50-A-BR</b>   |
| 3/4" x 1/2" | <b>7550-A-AL</b> <sup>2</sup> | ---                          | <b>7550-A-BR</b> |
| 3/4"        | <b>75-A-AL</b> <sup>2</sup>   | ---                          | <b>75-A-BR</b>   |
| 1"          | <b>100-A-AL</b> <sup>2</sup>  | ---                          | <b>100-A-BR</b>  |
| 1 1/4"      | <b>125-A-AL</b>               | ---                          | <b>125-A-BR</b>  |
| 1 1/2"      | <b>150-A-AL</b>               | <b>150-A-ALH</b>             | <b>150-A-BR</b>  |
| 2"          | <b>200-A-AL</b>               | <b>200-A-ALH</b>             | <b>200-A-BR</b>  |
| 2 1/2"      | <b>250-A-AL</b>               | ---                          | <b>250-A-BR</b>  |
| 3"          | <b>300-A-AL</b>               | <b>300-A-ALH</b>             | <b>300-A-BR</b>  |
| 4"          | <b>400-A-AL</b>               | <b>400-A-ALH</b>             | <b>400-A-BR</b>  |
| 5"          | <b>500-A-AL</b>               | ---                          | <b>500-A-BR</b>  |
| 6"          | <b>600-A-AL</b>               | <b>600-A-ALH</b>             | <b>600-A-BR</b>  |
| 8" DIX      | <b>800-A-AL</b> <sup>1</sup>  | ---                          | ---              |
| 8" BL       | <b>801-A-AL</b> <sup>1</sup>  | ---                          | ---              |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.* 

<sup>2</sup> made from 6061-T6 aluminum

| Size        | Unplated Malleable Iron<br>Part # | Plated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|-------------|-----------------------------------|---------------------------------|-------------------------------|
| 1/2"        | ---                               | ---                             | <b>50-A-SS</b>                |
| 3/4" x 1/2" | ---                               | ---                             | <b>7550-A-SS</b>              |
| 3/4"        | ---                               | <b>75-A-PM</b>                  | <b>75-A-SS</b>                |
| 1"          | ---                               | <b>100-A-PM</b>                 | <b>100-A-SS</b>               |
| 1 1/4"      | ---                               | ---                             | <b>125-A-SS</b>               |
| 1 1/2"      | <b>150-A-MI</b>                   | <b>150-A-PM</b>                 | <b>150-A-SS</b>               |
| 2"          | <b>200-A-MI</b>                   | <b>200-A-PM</b>                 | <b>200-A-SS</b>               |
| 2 1/2"      | ---                               | ---                             | <b>250-A-SS</b>               |
| 3"          | <b>300-A-MI</b>                   | <b>300-A-PM</b>                 | <b>300-A-SS</b>               |
| 4"          | <b>400-A-MI</b>                   | <b>400-A-PM</b>                 | <b>400-A-SS</b>               |
| 5"          | <b>500-A-MI</b>                   | ---                             | <b>500-A-SS</b>               |
| 6"          | ---                               | <b>600-A-PM</b> <sup>1</sup>    | <b>600-A-SS</b>               |

<sup>1</sup> ductile iron

### adapter x female NPT with abrasion resistant inserts

**Feature:**

- used in extreme abrasion transfer applications such as sand transfer in hydraulic fracturing

| Description   | UHMW Polyethylene Insert<br>Part # |
|---|------------------------------------|
| <b>(400-A-AL)</b> aluminum adapter x female NPT with UHMW insert        | <b>400-A-ALINSERT</b>              |
| <b>(400-A-BR)</b> brass adapter x female NPT with UHMW insert           | <b>400-A-BRINSERT</b>              |
| <b>(400-A-MI)</b> malleable iron adapter x female NPT with UHMW insert  | <b>400-A-MIINSERT</b>              |
| <b>(400-A-SS)</b> stainless steel adapter x female NPT with UHMW insert | <b>400-A-SSINSERT</b>              |

Replacement inserts are available on page 172.



356T6 aluminum



aluminum hardcoat



brass



unplated malleable iron



plated malleable iron



316 stainless steel



400-A-ALINSERT



## Dixon® Type B Couplers

coupler x male NPT

Cam &amp; Groove



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

**Features:**

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.
- ½" Dixon® coupler has only one cam arm.
- Pull rings are not supplied on ½" - 1" Dixon® couplings.

| Size | 356T6 Aluminum<br>Part #        | Aluminum Hard Coat<br>Part # | Brass<br>Part # |
|------|---------------------------------|------------------------------|-----------------|
| ½"   | <b>50-B-AL</b>                  | ---                          | <b>50-B-BR</b>  |
| ¾"   | <b>75-B-AL</b>                  | ---                          | <b>75-B-BR</b>  |
| 1"   | <b>100-B-AL</b>                 | ---                          | <b>100-B-BR</b> |
| 1¼"  | <b>125-B-AL</b>                 | ---                          | ---             |
| 1½"  | <b>150-B-AL</b>                 | <b>150-B-ALH</b>             | <b>150-B-BR</b> |
| 2"   | <b>200-B-AL</b>                 | <b>200-B-ALH</b>             | <b>200-B-BR</b> |
| 2½"  | <b>250-B-AL</b>                 | ---                          | ---             |
| 3"   | <b>300-B-AL</b>                 | <b>300-B-ALH</b>             | <b>300-B-BR</b> |
| 4"   | <b>400-B-AL</b>                 | <b>400-B-ALH</b>             | <b>400-B-BR</b> |
| 5"   | <b>500-B-AL</b>                 | ---                          | ---             |
| 6"   | <b>600-B-AL</b>                 | <b>600-B-ALH</b>             | ---             |
| 8"   | <b>800-B-AL</b> <sup>1, 2</sup> | ---                          | ---             |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size*. The 8" Dixon® design has 4 cam arms.

<sup>2</sup> Parts are produced as a welded fabrication.

| Size | Unplated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|------|-----------------------------------|-------------------------------|
| ½"   | ---                               | <b>50-B-SS</b>                |
| ¾"   | ---                               | <b>75-B-SS</b>                |
| 1"   | ---                               | <b>100-B-SS</b>               |
| 1½"  | <b>150-B-MI</b> <sup>1</sup>      | <b>150-B-SS</b>               |
| 2"   | <b>200-B-MI</b>                   | <b>200-B-SS</b>               |
| 2½"  | ---                               | <b>250-B-SS</b>               |
| 3"   | <b>300-B-MI</b> <sup>1</sup>      | <b>300-B-SS</b>               |
| 4"   | <b>400-B-MI</b>                   | <b>400-B-SS</b>               |
| 6"   | ---                               | <b>600-B-SS</b>               |

<sup>1</sup> ductile iron

## Boss-Lock™ Type B Couplers

### coupler x male NPT

**Features:**

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.

| Size | 356T6 Aluminum<br>Part # | Brass<br>Part # |
|------|--------------------------|-----------------|
| ¾"   | ---                      | <b>BB075</b>    |
| 1"   | <b>AB100</b>             | <b>BB100</b>    |
| 1¼"  | <b>AB125</b>             | <b>BB125</b>    |
| 1½"  | <b>AB150</b>             | <b>BB150</b>    |
| 2"   | <b>AB200</b>             | <b>BB200</b>    |
| 2½"  | <b>AB250</b>             | <b>BB250</b>    |
| 3"   | <b>AB300</b>             | <b>BB300</b>    |
| 4"   | <b>AB400</b>             | <b>BB400</b>    |
| 6"   | <b>AB600</b>             | ---             |

| Size    | Plated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|---------|---------------------------------|-------------------------------|
| ¾" x ½" | ---                             | <b>RB050BL</b>                |
| ¾"      | ---                             | <b>RB075BL</b>                |
| 1"      | <b>IB100</b>                    | <b>RB100BL</b>                |
| 1¼"     | ---                             | <b>RB125BL</b>                |
| 1½"     | ---                             | <b>RB150BL</b>                |
| 2"      | <b>IB200</b>                    | <b>RB200BL</b>                |
| 3"      | ---                             | <b>RB300BL</b>                |
| 4"      | ---                             | <b>RB400BL</b>                |



356T6 aluminum



brass



plated malleable iron



316 stainless steel

Cam &amp; Groove

## EZ Boss-Lock™ Type B Couplers

### coupler x male NPT

**Feature:**

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.

Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use. See pages 121 - 125 for further specifications.



| Size    | 356T6 Aluminum<br>Part # | Brass<br>Part # | 316 Stainless Steel<br>Part # |
|---------|--------------------------|-----------------|-------------------------------|
| ¾" x ½" | ---                      | ---             | <b>RB050EZ</b>                |
| ¾"      | ---                      | <b>BB075EZ</b>  | <b>RB075EZ</b>                |
| 1"      | <b>AB100EZ</b>           | <b>BB100EZ</b>  | <b>RB100EZ</b>                |
| 1¼"     | ---                      | <b>BB125EZ</b>  | <b>RB125EZ</b>                |
| 1½"     | <b>AB150EZ</b>           | <b>BB150EZ</b>  | <b>RB150EZ</b>                |
| 2"      | <b>AB200EZ</b>           | <b>BB200EZ</b>  | <b>RB200EZ</b>                |
| 3"      | <b>AB300EZ</b>           | <b>BB300EZ</b>  | <b>RB300EZ</b>                |
| 4"      | <b>AB400EZ</b>           | <b>BB400EZ</b>  | <b>RB400EZ</b>                |
| 6"      | ---                      | ---             | <b>RB600EZ</b>                |



356T6 aluminum



brass



316 stainless steel

## Dixon® Type C Couplers coupler x hose shank



356T6 aluminum



aluminum hard coat



brass



unplated ductile iron



316 stainless steel

### Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.
- ½" Dixon coupler has only one cam arm.
- Pull rings are not supplied on ½" - 1" Dixon® couplings.

| Hose ID | 356T6 Aluminum<br>Part #     | Aluminum Hard Coat<br>Part # | Brass<br>Part # |
|---------|------------------------------|------------------------------|-----------------|
| ½"      | <b>50-C-AL</b>               | ---                          | <b>50-C-BR</b>  |
| ¾"      | <b>75-C-AL</b>               | ---                          | <b>75-C-BR</b>  |
| 1"      | <b>100-C-AL</b>              | ---                          | <b>100-C-BR</b> |
| 1¼"     | <b>125-C-AL</b>              | ---                          | <b>125-C-BR</b> |
| 1½"     | <b>150-C-AL</b>              | <b>150-C-ALH</b>             | <b>150-C-BR</b> |
| 2"      | <b>200-C-AL</b>              | <b>200-C-ALH</b>             | <b>200-C-BR</b> |
| 2½"     | <b>250-C-AL</b>              | ---                          | <b>250-C-BR</b> |
| 3"      | <b>300-C-AL</b>              | <b>300-C-ALH</b>             | <b>300-C-BR</b> |
| 4"      | <b>400-C-AL</b>              | <b>400-C-ALH</b>             | <b>400-C-BR</b> |
| 5"      | <b>500-C-AL</b>              | ---                          | ---             |
| 6"      | <b>600-C-AL</b>              | <b>600-C-ALH</b>             | <b>600-C-BR</b> |
| 8"      | <b>800-C-AL</b> <sup>1</sup> | ---                          | ---             |

| Hose ID | Unplated Ductile Iron<br>Part # | 316 Stainless Steel<br>Part # |
|---------|---------------------------------|-------------------------------|
| ½"      | ---                             | <b>50-C-SS</b>                |
| ¾"      | ---                             | <b>75-C-SS</b>                |
| 1"      | ---                             | <b>100-C-SS</b>               |
| 1¼"     | ---                             | <b>125-C-SS</b>               |
| 1½"     | <b>150-C-MI</b>                 | <b>150-C-SS</b>               |
| 2"      | <b>200-C-MI</b> <sup>2</sup>    | <b>200-C-SS</b>               |
| 2½"     | ---                             | <b>250-C-SS</b>               |
| 3"      | <b>300-C-MI</b> <sup>2, 3</sup> | <b>300-C-SS</b>               |
| 4"      | <b>400-C-MI</b> <sup>2, 3</sup> | <b>400-C-SS</b>               |
| 5"      | ---                             | <b>500-C-SS</b>               |
| 6"      | <b>600-C-MI</b> <sup>2, 3</sup> | <b>600-C-SS</b>               |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size*. The 8" Dixon® design has 4 cam arms.

<sup>2</sup> Suitable for use with King Crimp™ sleeves and ferrules, see pages 111 - 114

<sup>3</sup> ductile iron

### Only use the crimp style shanks with the crimp style sleeves and ferrules.

Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.



### coupler x hose shank with abrasion resistant inserts

#### Feature:

- used in extreme abrasion transfer applications such as sand transfer in hydraulic fracturing

| Description   | UHMW Polyethylene<br>Part # |
|---|-----------------------------|
| (400-C-AL) aluminum coupler x hose shank with UHMW insert       | <b>400-C-ALINSERT</b>       |
| (400-A-MI) malleable iron coupler x hose shank with UHMW insert | <b>400-C-MIINSERT</b>       |

Replacement inserts are available on page 172.


**NEW**



400-C-MIINSERT

## Dixon® Type C Couplers with Notched NOS Shank coupler x NOS shank


### Features:

- system allows you to better manage your inventories, you can stock one stem and two ferrules, and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for hose outside diameters of 2-4/64" and below, *the couplings are crimp only* 
- for hose outside diameters of 2-5/64" and above, the couplings can be crimped or swaged
- for use with notched ferrules on page 143
- see page 195 for male NPT notched NOS fittings

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>150CNOSSS</b> <sup>1</sup> |
| 2"   | <b>200CNOSSS</b>              |
| 3"   | <b>300CNOSSS</b>              |

<sup>1</sup> part will be discontinued as stock is depleted

### Only use the NOS shank with the NOS ferrules.

Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products. 



Cam & Groove

## Boss-Lock™ Type C Couplers coupler x hose shank

### Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.

| Size | 356T6 Aluminum<br>Part #  | Brass<br>Part # |
|------|---------------------------|-----------------|
| ¾"   | <b>AC075</b>              | <b>BC075</b>    |
| 1"   | <b>AC100</b>              | <b>BC100</b>    |
| 1¼"  | <b>AC125</b>              | <b>BC125</b>    |
| 1½"  | <b>AC150</b>              | <b>BC150</b>    |
| 2"   | <b>AC200</b>              | <b>BC200</b>    |
| 2½"  | <b>AC250</b>              | <b>BC250</b>    |
| 3"   | <b>AC300</b>              | <b>BC300</b>    |
| 4"   | <b>AC400</b>              | <b>BC400</b>    |
| 6"   | <b>AC600</b>              | <b>BC600</b>    |
| 8"   | <b>AC800</b> <sup>1</sup> | ---             |



356T6 aluminum



brass


| Size    | Plated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|---------|---------------------------------|-------------------------------|
| ¾" x ½" | ---                             | <b>RC050BL</b>                |
| ¾"      | <b>IC075</b>                    | <b>RC075BL</b>                |
| 1"      | <b>IC100</b>                    | <b>RC100BL</b>                |
| 1¼"     | ---                             | <b>RC125BL</b>                |
| 1½"     | <b>IC150</b>                    | <b>RC150BLNO</b>              |
| 2"      | <b>IC200</b>                    | <b>RC200BLNO</b>              |
| 3"      | <b>IC300</b>                    | <b>RC300BL</b>                |
| 4"      | <b>IC400</b> <sup>2</sup>       | <b>RC400BLNO</b>              |
| 6"      | <b>IC600</b> <sup>2</sup>       | ---                           |



plated malleable iron



316 stainless steel

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.* 

<sup>2</sup> ductile iron

## EZ Boss-Lock™ Type C Couplers with Collared Hose Shank

## coupler x collared hose shank

Cam &amp; Groove



## Features:

- design provides greater resistance to end pull than conventional band clamps and are designed for use with Strap-Grip Saddles
  - saddles are sold in pairs and designed for use with  $\frac{3}{4}$ " or  $\frac{5}{8}$ " wide band clamps
  - bands must be purchased separately
- band clamps should first be applied to the OD to seal the hose, then Strap-Grip saddles should be banded over the initial clamp to anchor the fitting in the hose

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>RC100CEZ</b>               |
| 1½"  | <b>RC150CEZ</b>               |
| 2"   | <b>RC200CEZ</b>               |

## Boss-Lock™ Type C Couplers with Notched Shank

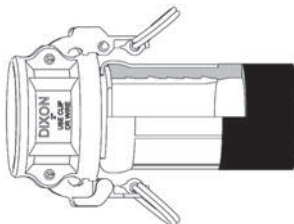
## coupler x hose shank



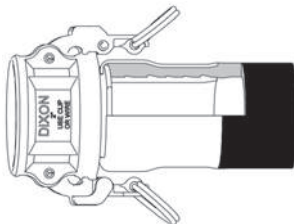
## Features:

- coupling can be removed from a damaged hose by cutting away the ferrule, without necessarily damaging the fitting, *after inspection of the fitting to determine its suitability for reuse*, it can be reinstalled into another hose by using a *new ferrule*
- system allows you to better manage your inventories, you can stock one coupling and two ferrules, and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for use with notched ferrules on page 144

Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products.



crimped assembly



swaged assembly

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>RC150BLNO</b>              |
| 2"   | <b>RC200BLNO</b>              |
| 3"   | <b>RC300BLNO</b>              |
| 4"   | <b>RC400BLNO</b>              |

Contact Dixon® for swage and crimp recommendations.



## EZ Boss-Lock™ Type C Couplers

coupler x hose shank

## Feature:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170

| Size        | 356T6 Aluminum<br>Part #    | Brass<br>Part # | 316 Stainless Steel<br>Part # |
|-------------|-----------------------------|-----------------|-------------------------------|
| 3/4" x 1/2" | ---                         | ---             | <b>RC050EZ</b>                |
| 3/4"        | <b>AC075EZ</b>              | <b>BC075EZ</b>  | <b>RC075EZ</b>                |
| 1"          | <b>AC100EZ</b>              | <b>BC100EZ</b>  | <b>RC100EZCR</b>              |
| 1 1/4"      | ---                         | <b>BC125EZ</b>  | <b>RC125EZCR</b>              |
| 1 1/2"      | <b>AC150EZ</b>              | <b>BC150EZ</b>  | <b>RC150EZNO</b>              |
| 2"          | <b>AC200EZ</b>              | <b>BC200EZ</b>  | <b>RC200EZNO</b>              |
| 2 1/2"      | <b>AC250EZ</b>              | ---             | ---                           |
| 3"          | <b>AC300EZ</b>              | <b>BC300EZ</b>  | <b>RC300EZCR</b>              |
| 4"          | <b>AC400EZ</b>              | <b>BC400EZ</b>  | <b>RC400EZCR</b>              |
| 6"          | <b>AC600EZ</b>              | ---             | <b>RC600EZCR</b>              |
| 8"          | <b>AC800EZ</b> <sup>1</sup> | ---             | ---                           |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size. Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use.*

See pages 121 - 125 for further specifications.



356T6 aluminum



brass



316 stainless steel

Cam &amp; Groove

C

## EZ Boss-Lock™ Type C Couplers with Phono Finish Shank

## Applications:

- The shank design on these fittings was developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes, where shank retention can be a problem when using conventional band clamps.

## Features:

- in testing tank transport hoses from a wide variety of manufacturers, the Boss-Lock™ PF fitting showed significant improvement in hose coupling retention over the conventional cam & groove shank design
- for best results we recommend the use of 3/4" wide band clamps found on page 276
- other sizes available, consult Dixon® for pricing and availability

| Size | 316 Stainless Steel<br>Part # | Optional<br>Qty |
|------|-------------------------------|-----------------|
| 2"   | <b>RC200EZPF</b>              | 10              |
| 3"   | <b>RC300EZPF</b>              | 5               |





## EZ Boss-Lock™ Type C Couplers with Swaged Ferrule

**Application:**

- Developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes. Swaged Boss-Lock™ provides you with a permanently attached cam and groove fitting when superior coupling retention is required.

**Features:**

- in testing tank transport hoses from a wide variety of manufacturers, the swaged Boss-Lock™ fitting proved itself to be the clear winner in overall performance
- available on special order, other sizes or hose OD's, consult Dixon® for pricing and availability
- *special equipment required for installation*, consult Dixon® for pricing and availability or refer to page 85 for more information

| Size | Hose OD  |          | 316 Stainless Steel<br>Part # |
|------|----------|----------|-------------------------------|
|      | from     | to       |                               |
| 3/4" | 1-6/64"  | 1-22/64" | <b>RC075EZ-70</b>             |
| 1"   | 1-29/64" | 1-35/64" | <b>RC100EZ-20</b>             |
| 1"   | 1-36/64" | 1-44/64" | <b>RC100EZ-70</b>             |

EZ Boss-Lock™ Type C Couplers with Notched Hose Shank  
coupler x hose shank**Features:**

- coupling can be removed from a damaged hose by cutting away the ferrule, without necessarily damaging the fitting, *after inspection of the fitting to determine its suitability for reuse*, it can be reinstalled into another hose by using a *new ferrule*
- system allows you to better manage your inventories, you can stock one coupling and two ferrules, and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for use with notched ferrules on page 143



| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>RC150EZNO</b>              |
| 2"   | <b>RC200EZNO</b>              |
| 3"   | <b>RC300EZNO</b>              |
| 4"   | <b>RC400EZNO</b>              |

Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products.



## Dixon® Type D Couplers

### coupler x female NPT

**Features:**

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.
- ½" Dixon® coupler has only one cam arm.
- Pull rings are not supplied on ½" - 1" Dixon® couplings.

| Size | 356T6 Aluminum<br>Part #        | Aluminum Hard Coat<br>Part # | Brass<br>Part # |
|------|---------------------------------|------------------------------|-----------------|
| ½"   | <b>50-D-AL</b>                  | ---                          | <b>50-D-BR</b>  |
| ¾"   | <b>75-D-AL</b>                  | ---                          | <b>75-D-BR</b>  |
| 1"   | <b>100-D-AL</b>                 | ---                          | <b>100-D-BR</b> |
| 1¼"  | <b>125-D-AL</b>                 | ---                          | <b>125-D-BR</b> |
| 1½"  | <b>150-D-AL</b>                 | <b>150-D-ALH</b>             | <b>150-D-BR</b> |
| 2"   | <b>200-D-AL</b>                 | <b>200-D-ALH</b>             | <b>200-D-BR</b> |
| 2½"  | <b>250-D-AL</b>                 | ---                          | <b>250-D-BR</b> |
| 3"   | <b>300-D-AL</b>                 | <b>300-D-ALH</b>             | <b>300-D-BR</b> |
| 4"   | <b>400-D-AL</b>                 | <b>400-D-ALH</b>             | <b>400-D-BR</b> |
| 5"   | <b>500-D-AL</b>                 | ---                          | <b>500-D-BR</b> |
| 6"   | <b>600-D-AL</b>                 | <b>600-D-ALH</b>             | <b>600-D-BR</b> |
| 8"   | <b>800-D-AL</b> <sup>1, 2</sup> | ---                          | ---             |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*

<sup>2</sup> The 8" Dixon® design has 4 cam arms.



| Size | Unplated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|------|-----------------------------------|-------------------------------|
| ½"   | ---                               | <b>50-D-SS</b>                |
| ¾"   | ---                               | <b>75-D-SS</b>                |
| 1"   | ---                               | <b>100-D-SS</b>               |
| 1¼"  | ---                               | <b>125-D-SS</b>               |
| 1½"  | <b>150-D-MI</b>                   | <b>150-D-SS</b>               |
| 2"   | <b>200-D-MI</b>                   | <b>200-D-SS</b>               |
| 2½"  | ---                               | <b>250-D-SS</b>               |
| 3"   | <b>300-D-MI</b>                   | <b>300-D-SS</b>               |
| 4"   | <b>400-D-MI</b> <sup>1</sup>      | <b>400-D-SS</b>               |
| 5"   | <b>500-D-MI</b>                   | <b>500-D-SS</b>               |
| 6"   | ---                               | <b>600-D-SS</b>               |

<sup>1</sup> ductile iron



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

## Boss-Lock™ Type D Couplers coupler x female NPT

Cam &amp; Groove



356T6 aluminum



brass



plated malleable iron



316 stainless steel

### Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 -170.
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.

| Size        | 356T6 Aluminum<br>Part #  | Brass<br>Part # |
|-------------|---------------------------|-----------------|
| 3/4" x 1/2" | <b>AD050</b>              | <b>BD050</b>    |
| 3/4"        | <b>AD075</b>              | <b>BD075</b>    |
| 1"          | <b>AD100</b>              | <b>BD100</b>    |
| 1 1/4"      | <b>AD125</b>              | <b>BD125</b>    |
| 1 1/2"      | <b>AD150</b>              | <b>BD150</b>    |
| 2"          | <b>AD200</b>              | <b>BD200</b>    |
| 2 1/2"      | <b>AD250</b>              | <b>BD250</b>    |
| 3"          | <b>AD300</b>              | <b>BD300</b>    |
| 4"          | <b>AD400</b>              | <b>BD400</b>    |
| 5"          | <b>AD500</b>              | ---             |
| 6"          | <b>AD600</b>              | <b>BD600</b>    |
| 8"          | <b>AD800</b> <sup>1</sup> | ---             |

| Size        | Plated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|-------------|---------------------------------|-------------------------------|
| 3/4" x 1/2" | ---                             | <b>RD050BL</b>                |
| 3/4"        | <b>ID075</b>                    | <b>RD075BL</b>                |
| 1"          | <b>ID100</b>                    | <b>RD100BL</b>                |
| 1 1/4"      | ---                             | <b>RD125BL</b>                |
| 1 1/2"      | <b>ID150</b>                    | <b>RD150BL</b>                |
| 2"          | <b>ID200</b>                    | <b>RD200BL</b>                |
| 3"          | <b>ID300</b>                    | <b>RD300BL</b>                |
| 4"          | <b>ID400</b>                    | <b>RD400BL</b>                |
| 6"          | <b>ID600</b> <sup>2</sup>       | ---                           |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*

<sup>2</sup> ductile iron



## EZ Boss-Lock™ Type D Couplers

### coupler x female NPT

**Feature:**

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.

Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use. See page 122 for further specifications



| Size        | 356T6 Aluminum<br>Part #    | Brass<br>Part # |
|-------------|-----------------------------|-----------------|
| 3/4" x 1/2" | ---                         | ---             |
| 3/4"        | <b>AD075EZ</b>              | <b>BD075EZ</b>  |
| 1"          | <b>AD100EZ</b>              | <b>BD100EZ</b>  |
| 1 1/4"      | ---                         | <b>BD125EZ</b>  |
| 1 1/2"      | <b>AD150EZ</b>              | <b>BD150EZ</b>  |
| 2"          | <b>AD200EZ</b>              | <b>BD200EZ</b>  |
| 2 1/2"      | <b>AD250EZ</b>              | <b>BD250EZ</b>  |
| 3"          | <b>AD300EZ</b>              | <b>BD300EZ</b>  |
| 4"          | <b>AD400EZ</b>              | <b>BD400EZ</b>  |
| 5"          | <b>AD500EZ</b>              | ---             |
| 6"          | <b>AD600EZ</b>              | ---             |
| 8"          | <b>AD800EZ</b> <sup>1</sup> | ---             |

| Size        | 316 Stainless Steel<br>Part # | Heavy Duty 316 Stainless Steel<br>Part # |
|-------------|-------------------------------|--|
| 3/4" x 1/2" | <b>RD050EZ</b>                | ---                                      |
| 3/4"        | <b>RD075EZ</b>                | ---                                      |
| 1"          | <b>RD100EZ</b>                | ---                                      |
| 1 1/4"      | <b>RD125EZ</b>                | ---                                      |
| 1 1/2"      | <b>RD150EZ</b>                | ---                                      |
| 2"          | <b>RD200EZ</b>                | ---                                      |
| 2 1/2"      | <b>RD250EZ</b>                | ---                                      |
| 3"          | <b>RD300EZ</b>                | <b>RD300EZHD</b> <sup>2</sup>            |
| 4"          | <b>RD400EZ</b>                | <b>RD400EZHD</b> <sup>3</sup>            |
| 5"          | ---                           | ---                                      |
| 6"          | <b>RD600EZ</b>                | ---                                      |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*

<sup>2</sup> pressure rating of **400 PSI**

<sup>3</sup> pressure rating of **300 PSI**



356T6 aluminum



brass



316 stainless steel



heavy duty 316 stainless steel

## Type E Adapters adapter x hose shank

Cam &amp; Groove



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



plated malleable iron



316 stainless steel

**Feature:**

- Pressure rating is based on the seal of the mating part. See ratings on page 124.

| Size        | 356T6 Aluminum<br>Part #     | Aluminum Hard Coat<br>Part # | Brass<br>Part # |
|-------------|------------------------------|------------------------------|-----------------|
| 1/2"        | <b>50-E-AL</b>               | ---                          | <b>50-E-BR</b>  |
| 3/4" x 1/2" | <b>7550-E-AL</b>             | ---                          | ---             |
| 3/4"        | <b>75-E-AL</b>               | ---                          | <b>75-E-BR</b>  |
| 1"          | <b>100-E-AL</b>              | ---                          | <b>100-E-BR</b> |
| 1 1/4"      | <b>125-E-AL</b>              | ---                          | <b>125-E-BR</b> |
| 1 1/2"      | <b>150-E-AL</b>              | <b>150-E-ALH</b>             | <b>150-E-BR</b> |
| 2"          | <b>200-E-AL</b>              | <b>200-E-ALH</b>             | <b>200-E-BR</b> |
| 2 1/2"      | <b>250-E-AL</b>              | ---                          | <b>250-E-BR</b> |
| 3"          | <b>300-E-AL</b>              | <b>300-E-ALH</b>             | <b>300-E-BR</b> |
| 4"          | <b>400-E-AL</b>              | <b>400-E-ALH</b>             | <b>400-E-BR</b> |
| 5"          | <b>500-E-AL</b>              | ---                          | ---             |
| 6"          | <b>600-E-AL</b>              | <b>600-E-ALH</b>             | <b>600-E-BR</b> |
| 8" DIX      | <b>800-E-AL</b> <sup>1</sup> | ---                          | ---             |
| 8" BL       | <b>801-E-AL</b> <sup>1</sup> | ---                          | ---             |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*



| Size        | Unplated Malleable Iron<br>Part # | Plated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|-------------|-----------------------------------|---------------------------------|-------------------------------|
| 1/2"        | ---                               | ---                             | <b>50-E-SS</b>                |
| 3/4" x 1/2" | ---                               | ---                             | <b>7550-E-SS</b>              |
| 3/4"        | ---                               | <b>75-E-PM</b>                  | <b>75-E-SS</b>                |
| 1"          | ---                               | <b>100-E-PM</b>                 | <b>100-E-SS</b>               |
| 1 1/4"      | ---                               | <b>125-E-PM</b>                 | <b>125-E-SS</b>               |
| 1 1/2"      | <b>150-E-MI</b>                   | <b>150-E-PM</b>                 | <b>150-E-SS</b>               |
| 2"          | <b>200-E-MI</b> <sup>2</sup>      | <b>200-E-PM</b>                 | <b>200-E-SS</b>               |
| 2 1/2"      | ---                               | ---                             | <b>250-E-SS</b>               |
| 3"          | <b>300-E-MI</b> <sup>1, 2</sup>   | <b>300-E-PM</b> <sup>1, 2</sup> | <b>300-E-SS</b>               |
| 4"          | <b>400-E-MI</b> <sup>1, 2</sup>   | <b>400-E-PM</b> <sup>1, 2</sup> | <b>400-E-SS</b>               |
| 5"          | ---                               | ---                             | <b>500-E-SS</b>               |
| 6"          | <b>600-E-MI</b> <sup>1, 2</sup>   | <b>600-E-PM</b> <sup>1, 2</sup> | <b>600-E-SS</b>               |

<sup>1</sup> suitable for King Crimp™ sleeves and ferrules, see pages 111 - 114

<sup>2</sup> ductile iron

## Type E Adapter with Phono Finish Shank

**Applications:**

- Shank design developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes, where shank retention can be a problem when using conventional band clamps.

**Features:**

- When testing tank transport hoses from a wide variety of manufacturers, the Boss-Lock™ PF fitting showed significant improvement in hose coupling retention over the conventional cam and groove shank design.
- for best results Dixon® recommends the use of 3/4" wide band clamps found on page 276
- other sizes available, consult Dixon® for pricing and availability



| Size | 316 Stainless Steel<br>Part # | Optional<br>Qty |
|------|-------------------------------|-----------------|
| 2"   | <b>RE200PF</b>                | 10              |

## Type E Adapters with Swaged Ferrule

**Applications:**

- Developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes.

**Features:**

- provides a permanently attached cam and groove fitting when superior coupling retention is required
- testing tank transport hoses from a wide variety of manufacturers proved the swaged Boss-Lock™ fitting to be the leader in overall performance
- other sizes or hose OD's (available on special order), consult Dixon® for pricing and availability
- special equipment required for installation*, consult Dixon® for pricing and availability or refer to page 85 for more information

| Size | Hose OD  |          | 316 Stainless Steel<br>Part # |
|------|----------|----------|-------------------------------|
|      | from     | to       |                               |
| ¾"   | 1-6/64"  | 1-22/64" | <b>RE075-1370</b>             |
| 1"   | 1-29/64" | 1-35/64" | <b>RE100-1620</b>             |
| 1"   | 1-36/64" | 1-44/64" | <b>RE100-1770</b>             |



Cam &amp; Groove

Type E Adapters with Notched Shank  
adapter x hose shank**Features:**

- can be removed from a damaged hose by cutting away the ferrule without necessarily damaging the fitting, *after inspection of the fitting to determine its suitability for reuse*, it can be reinstalled into another hose by using a *new ferrule*
- system allows you to better manage your inventory, stock one coupling and two ferrules and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for use with notched ferrules below

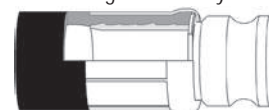
Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products.



| Size | 316 Stainless Steel |  |
|------|---------------------|--|
|      | Part #              |  |
| 1½"  | <b>RE150NO</b>      |  |
| 2"   | <b>RE200NO</b>      |  |
| 3"   | <b>RE300NO</b>      |  |
| 4"   | <b>RE400NO</b>      |  |



swaged assembly



crimped assembly

## Notched Ferrules

- reference notched shanks and adapters above
- Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products.



| Size | Hose OD  |          | 304 Stainless Steel<br>Part # |
|------|----------|----------|-------------------------------|
|      | From     | To       |                               |
| 1½"  | 1-60/64" | 2-12/64" | <b>GAS2334NO</b>              |
| 1½"  | 2-4/64"  | 2-22/64" | <b>GAS2370NO</b>              |
| 2"   | 2-30/64" | 2-44/64" | <b>GAS2709NO</b>              |
| 2"   | 2-42/64" | 2-54/64" | <b>GAS2885NO</b>              |
| 2½"  | 2-54/64" | 3"       | <b>GAS3012NO</b>              |
| 2½"  | 3-1/64"  | 3-13/64" | <b>GAS3260NO</b>              |
| 3"   | 3-30/64" | 3-46/64" | <b>GAS3760NO</b>              |
| 3"   | 3-47/64" | 3-54/64" | <b>GAS3885NO</b>              |
| 4"   | 4-40/64" | 4-47/64" | <b>GAS5010NO</b>              |






## Type E Adapters with Notched NOS shank adapter x shank

Cam &amp; Groove



### Features:

- system allows you to better manage your inventories, you can stock one stem and two ferrules, and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for hose outside diameters of 2-4/64" and below, *the couplings are crimp only* 
- for hose outside diameters of 2-5/64" and above, the couplings can be crimped or swaged
- for use with notched ferrules on page 143
- see page 195 for male NPT notched NOS fittings

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>150ENOSSS<sup>1</sup></b>  |
| 2"   | <b>200ENOSSS</b>              |
| 3"   | <b>300ENOSSS</b>              |

<sup>1</sup> part will be discontinued as stock is depleted

### Only use the NOS shank with the NOS ferrules.

Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products.



## Notched NOS Ferrules

- reference notched shanks on page 195 and adapters above



| Size | Hose OD  |          | 304 Stainless Steel<br>Part # |
|------|----------|----------|-------------------------------|
|      | From     | To       |                               |
| 1½"  | 1-60/64" | 2-12/64" | <b>GAS2334NOS</b>             |
| 1½"  | 2-4/64"  | 2-22/64" | <b>GAS2370NOS</b>             |
| 2"   | 2-30/64" | 2-44/64" | <b>GAS2709NOS</b>             |
| 2"   | 2-42/64" | 2-54/64" | <b>GAS2885NOS</b>             |
| 3"   | 3-30/64" | 3-46/64" | <b>GAS3760NOS</b>             |
| 3"   | 3-47/64" | 3-54/64" | <b>GAS3885NOS</b>             |
| 4"   | 4-40/64" | 4-47/64" | <b>GAS5010NOS</b>             |

## Type F Adapters x NPT adapter x male NPT

• Pressure rating is based on the seal of the mating part. See ratings on page 124.



| Size        | 356T6 Aluminum<br>Part #     | Aluminum Hard Coat<br>Part # | Brass<br>Part #  |
|-------------|------------------------------|------------------------------|------------------|
| 1/2"        | <b>50-F-AL</b>               | ---                          | <b>50-F-BR</b>   |
| 3/4" x 1/2" | <b>7550-F-AL</b>             | ---                          | <b>7550-F-BR</b> |
| 3/4"        | <b>75-F-AL</b>               | ---                          | <b>75-F-BR</b>   |
| 1"          | <b>100-F-AL</b>              | ---                          | <b>100-F-BR</b>  |
| 1 1/4"      | <b>125-F-AL</b>              | ---                          | <b>125-F-BR</b>  |
| 1 1/2"      | <b>150-F-AL</b>              | <b>150-F-ALH</b>             | <b>150-F-BR</b>  |
| 2"          | <b>200-F-AL</b>              | <b>200-F-ALH</b>             | <b>200-F-BR</b>  |
| 2 1/2"      | <b>250-F-AL</b>              | ---                          | <b>250-F-BR</b>  |
| 3"          | <b>300-F-AL</b>              | <b>300-F-ALH</b>             | <b>300-F-BR</b>  |
| 4"          | <b>400-F-AL</b>              | <b>400-F-ALH</b>             | <b>400-F-BR</b>  |
| 5"          | <b>500-F-AL</b>              | ---                          | ---              |
| 6"          | <b>600-F-AL</b>              | <b>600-F-ALH</b>             | <b>600-F-BR</b>  |
| 8" DIX      | <b>800-F-AL</b> <sup>1</sup> | ---                          | ---              |
| 8" BL       | <b>801-F-AL</b> <sup>1</sup> | ---                          | ---              |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings do not interchange in the 8" size.



| Size        | Unplated Malleable Iron<br>Part # | Plated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|-------------|-----------------------------------|---------------------------------|-------------------------------|
| 1/2"        | ---                               | ---                             | <b>50-F-SS</b>                |
| 3/4" x 1/2" | ---                               | ---                             | <b>7550-F-SS</b>              |
| 3/4"        | ---                               | <b>75-F-PM</b>                  | <b>75-F-SS</b>                |
| 1"          | ---                               | <b>100-F-PM</b>                 | <b>100-F-SS</b>               |
| 1 1/4"      | ---                               | ---                             | <b>125-F-SS</b>               |
| 1 1/2"      | <b>150-F-MI</b>                   | <b>150-F-PM</b>                 | <b>150-F-SS</b>               |
| 2"          | <b>200-F-MI</b>                   | <b>200-F-PM</b>                 | <b>200-F-SS</b>               |
| 2 1/2"      | ---                               | ---                             | <b>250-F-SS</b>               |
| 3"          | <b>300-F-MI</b>                   | <b>300-F-PM</b>                 | <b>300-F-SS</b>               |
| 4"          | <b>400-F-MI</b>                   | <b>400-F-PM</b>                 | <b>400-F-SS</b>               |
| 6"          | ---                               | <b>600-F-PM</b>                 | <b>600-F-SS</b>               |



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



plated malleable iron



316 stainless

## Dixon® Type DC Dust Caps

Cam &amp; Groove



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

## Features:

- Buna-N gasket supplied standard, other gaskets available on pages 167 - 170.
- ½" Dixon® has only one cam arm.
- Pull rings are not supplied on ½" - 1" Dixon® couplings.

| Size | 356T6 Aluminum<br>Part #         | Aluminum Hard Coat<br>Part # | Brass<br>Part #  |
|------|----------------------------------|------------------------------|------------------|
| ½"   | <b>50-DC-AL</b>                  | ---                          | <b>50-DC-BR</b>  |
| ¾"   | <b>75-DC-AL</b>                  | ---                          | <b>75-DC-BR</b>  |
| 1"   | <b>100-DC-AL</b>                 | ---                          | <b>100-DC-BR</b> |
| 1½"  | <b>150-DC-AL</b>                 | <b>150-DC-ALH</b>            | <b>150-DC-BR</b> |
| 2"   | <b>200-DC-AL</b>                 | <b>200-DC-ALH</b>            | <b>200-DC-BR</b> |
| 2½"  | <b>250-DC-AL</b>                 | ---                          | ---              |
| 3"   | <b>300-DC-AL</b>                 | <b>300-DC-ALH</b>            | <b>300-DC-BR</b> |
| 4"   | <b>400-DC-AL</b>                 | <b>400-DC-ALH</b>            | <b>400-DC-BR</b> |
| 5"   | <b>500-DC-AL</b>                 | ---                          | <b>500-DC-BR</b> |
| 6"   | <b>600-DC-AL</b>                 | <b>600-DC-ALH</b>            | ---              |
| 8"   | <b>800-DC-AL</b> <sup>1, 2</sup> | ---                          | ---              |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*
<sup>2</sup> The 8" Dixon® dust cap has 2 cam arms.


| Size | Unplated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|------|-----------------------------------|-------------------------------|
| ½"   | ---                               | <b>50-DC-SS</b> <sup>1</sup>  |
| ¾"   | ---                               | <b>75-DC-SS</b>               |
| 1"   | ---                               | <b>100-DC-SS</b>              |
| 1½"  | ---                               | <b>150-DC-SS</b>              |
| 2"   | <b>200-DC-MI</b>                  | <b>200-DC-SS</b>              |
| 2½"  | ---                               | <b>250-DC-SS</b>              |
| 3"   | <b>300-DC-MI</b>                  | <b>300-DC-SS</b>              |
| 4"   | <b>400-DC-MI</b>                  | <b>400-DC-SS</b>              |
| 5"   | ---                               | <b>500-DC-SS</b>              |
| 6"   | ---                               | <b>600-DC-SS</b>              |

## Dixon® Lockable Dust Caps

## Features:

- Buna-N gasket standard, other gaskets available on pages 167 - 170.
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



| Size | 356T6 Aluminum<br>Part # | Brass<br>Part #  |
|------|--------------------------|------------------|
| 1½"  | <b>150DC-LAL</b>         | <b>150DC-LBR</b> |
| 2"   | <b>200DC-LAL</b>         | <b>200DC-LBR</b> |
| 3"   | <b>300DC-LAL</b>         | <b>300DC-LBR</b> |
| 4"   | <b>400DC-LAL</b>         | ---              |
| 6"   | <b>600DC-LAL</b>         | ---              |



Cam &amp; Groove

## Feature:

- angled, ergonomic thumb release

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>150DC-LSS</b>              |
| 2"   | <b>200DC-LSS</b>              |
| 3"   | <b>300DC-LSS</b>              |
| 4"   | <b>400DC-LSS</b>              |



C

## Boss-Lock™ Type H Dust Caps

## Features:

- Buna-N gasket standard, other gaskets available on pages 167 - 170.
- supplied with pull-ring safety clips
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



| Size | 356T6 Aluminum<br>Part #  | Brass<br>Part # |
|------|---------------------------|-----------------|
| 1"   | <b>AH100</b>              | <b>BH100</b>    |
| 1¼"  | <b>AH125</b>              | <b>BH125</b>    |
| 1½"  | <b>AH150</b>              | <b>BH150</b>    |
| 2"   | <b>AH200</b>              | <b>BH200</b>    |
| 2½"  | <b>AH250</b>              | <b>BH250</b>    |
| 3"   | <b>AH300</b>              | <b>BH300</b>    |
| 4"   | <b>AH400</b>              | <b>BH400</b>    |
| 6"   | <b>AH600</b>              | <b>BH600</b>    |
| 8"   | <b>AH800</b> <sup>1</sup> | ---             |



356T6 aluminum



brass



plated malleable iron



316 stainless steel

| Size | Plated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|------|---------------------------------|-------------------------------|
| ¾"   | ---                             | <b>RH075BL</b>                |
| 1"   | ---                             | <b>RH100BL</b>                |
| 1¼"  | ---                             | <b>RH125BL</b>                |
| 1½"  | <b>IH150</b>                    | <b>RH150BL</b>                |
| 2"   | <b>IH200</b>                    | <b>RH200BL</b>                |
| 3"   | <b>IH300</b>                    | <b>RH300BL</b>                |
| 4"   | <b>IH400</b>                    | <b>RH400BL</b>                |
| 6"   | <b>IH600</b>                    | ---                           |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings do not interchange in the 8" size.



EZ Boss-Lock™ Type H Dust Caps

Cam & Groove



356T6 aluminum



brass



316 stainless steel

Features:

- Buna-N gasket standard, other gaskets available on pages 167 - 170.
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



| Size   | 356T6 Aluminum<br>Part # | Brass<br>Part # | 316 Stainless Steel<br>Part # |
|--------|--------------------------|-----------------|-------------------------------|
| 3/4"   | ---                      | ---             | <b>RH075EZ</b>                |
| 1"     | <b>AH100EZ</b>           | <b>BH100EZ</b>  | <b>RH100EZ</b>                |
| 1 1/4" | ---                      | ---             | <b>RH125EZ</b>                |
| 1 1/2" | <b>AH150EZ</b>           | <b>BH150EZ</b>  | <b>RH150EZ</b>                |
| 2"     | <b>AH200EZ</b>           | <b>BH200EZ</b>  | <b>RH200EZ</b>                |
| 2 1/2" | <b>AH250EZ</b>           | ---             | ---                           |
| 3"     | <b>AH300EZ</b>           | <b>BH300EZ</b>  | <b>RH300EZ</b>                |
| 4"     | <b>AH400EZ</b>           | ---             | <b>RH400EZ</b>                |
| 6"     | <b>AH600EZ</b>           | ---             | <b>RH600EZ</b>                |

- Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use. See pages 122 and 166 for further specifications.



## Type DP Dust Plugs

- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



| Size   | 356T6 Aluminum<br>Part #      | Aluminum Hard Coat<br>Part # | Brass<br>Part #  |
|--------|-------------------------------|------------------------------|------------------|
| 1/2"   | ---                           | ---                          | <b>50-DP-BR</b>  |
| 3/4"   | <b>75-DP-AL</b>               | ---                          | <b>75-DP-BR</b>  |
| 1"     | <b>100-DP-AL</b>              | ---                          | <b>100-DP-BR</b> |
| 1 1/4" | <b>125-DP-AL</b>              | ---                          | <b>125-DP-BR</b> |
| 1 1/2" | <b>150-DP-AL</b>              | <b>150-DP-ALH</b>            | <b>150-DP-BR</b> |
| 2"     | <b>200-DP-AL</b>              | <b>200-DP-ALH</b>            | <b>200-DP-BR</b> |
| 2 1/2" | <b>250-DP-AL</b>              | ---                          | ---              |
| 3"     | <b>300-DP-AL</b>              | <b>300-DP-ALH</b>            | <b>300-DP-BR</b> |
| 4"     | <b>400-DP-AL</b>              | <b>400-DP-ALH</b>            | <b>400-DP-BR</b> |
| 5"     | <b>500-DP-AL</b>              | ---                          | ---              |
| 6"     | <b>600-DP-AL</b>              | <b>600-DP-ALH</b>            | <b>600-DP-BR</b> |
| 8" DIX | <b>800-DP-AL</b> <sup>1</sup> | ---                          | ---              |
| 8" BL  | <b>801-DP-AL</b> <sup>1</sup> | ---                          | ---              |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*



| Size   | Unplated Malleable Iron<br>Part # | Plated Malleable Iron<br>Part # | 316 Stainless Steel<br>Part # |
|--------|-----------------------------------|---------------------------------|-------------------------------|
| 1/2"   | ---                               | ---                             | <b>50-DP-SS</b> <sup>1</sup>  |
| 3/4"   | ---                               | ---                             | <b>75-DP-SS</b>               |
| 1"     | ---                               | ---                             | <b>100-DP-SS</b>              |
| 1 1/4" | ---                               | <b>125-DP-PM</b>                | <b>125-DP-SS</b>              |
| 1 1/2" | <b>150-DP-MI</b>                  | <b>150-DP-PM</b>                | <b>150-DP-SS</b>              |
| 2"     | <b>200-DP-MI</b>                  | <b>200-DP-PM</b>                | <b>200-DP-SS</b>              |
| 2 1/2" | ---                               | <b>250-DP-PM</b>                | <b>250-DP-SS</b>              |
| 3"     | <b>300-DP-MI</b>                  | <b>300-DP-PM</b>                | <b>300-DP-SS</b>              |
| 4"     | <b>400-DP-MI</b>                  | <b>400-DP-PM</b>                | <b>400-DP-SS</b>              |
| 6"     | ---                               | ---                             | <b>600-DP-SS</b>              |

Cam &amp; Groove

C



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



plated malleable iron



316 stainless steel



### Type A Adapters

adapter x female NPT

Cam &amp; Groove



| Size | Hastelloy® CW12MW<br>Part # |
|------|-----------------------------|
| 1"   | <b>100-A-HA</b>             |
| 1½"  | <b>150-A-HA</b>             |
| 2"   | <b>200-A-HA</b>             |
| 3"   | <b>300-A-HA</b>             |

- Pressure rating is based on the seal material of the mating part. See rating on page 124

### Type E Adapters

adapter x shank



| Size | Hastelloy® CW12MW<br>Part #  |
|------|------------------------------|
| 1"   | <b>100-E-HA</b> <sup>1</sup> |
| 1½"  | <b>150-E-HA</b>              |
| 2"   | <b>200-E-HA</b> <sup>1</sup> |
| 3"   | <b>300-E-HA</b>              |

- Pressure rating is based on the seal material of the mating part. See rating on page 124

<sup>1</sup> have King Crimp™ shank

### Type F Adapters

adapter x male NPT



| Size | Hastelloy® CW12MW<br>Part # |
|------|-----------------------------|
| 1"   | <b>100-F-HA</b>             |
| 1½"  | <b>150-F-HA</b>             |
| 2"   | <b>200-F-HA</b>             |
| 3"   | <b>300-F-HA</b>             |

- Pressure rating is based on the seal material of the mating part. See rating on page 124

## EZ Boss-Lock™ Type B Couplers

### coupler x male NPT

**Materials:**

- EZ Boss-Lock™ cam arms: 316 stainless steel
- pins: 302 stainless steel
- rings: yellow zinc plated 12 gauge steel wire

**Feature:**

- couplers supplied with FKM gaskets

| Size | Hastelloy® CW12MW<br>Part # |
|------|-----------------------------|
| 1"   | <b>HAB100EZ</b>             |
| 1½"  | <b>HAB150EZ</b>             |
| 2"   | <b>HAB200EZ</b>             |
| 3"   | <b>HAB300EZ</b>             |



Cam &amp; Groove

## EZ Boss-Lock™ Type C Couplers

### coupler x hose shank

**Materials:**

- EZ Boss-Lock™ cam arms: 316 stainless steel
- pins: 302 stainless steel
- rings: yellow zinc plated 12 gauge steel wire

**Feature:**

- couplers supplied with FKM gaskets

| Size | Hastelloy® CW12MW<br>Part # |
|------|-----------------------------|
| 1"   | <b>HAC100EZ<sup>1</sup></b> |
| 1½"  | <b>HAC150EZ</b>             |
| 2"   | <b>HAC200EZ<sup>1</sup></b> |
| 3"   | <b>HAC300EZ</b>             |

<sup>1</sup> King Crimp™ shank



## EZ Boss-Lock™ Type D Couplers

### coupler x female NPT

**Materials:**

- EZ Boss-Lock™ cam arms: 316 stainless steel
- pins: 302 stainless steel
- rings: yellow zinc plated 12 gauge steel wire

**Feature:**

- couplers supplied with FKM gaskets

| Size | Hastelloy® CW12MW<br>Part # |
|------|-----------------------------|
| 1"   | <b>HAD100EZ</b>             |
| 1½"  | <b>HAD150EZ</b>             |
| 2"   | <b>HAD200EZ</b>             |
| 3"   | <b>HAD300EZ</b>             |





## Type DA Couplings with Port

### coupler x adapter

**Feature:**

- Buna-N gasket standard with a, other gaskets available on pages 167 - 170.

| Size    | Port | 316 Stainless Steel<br>Part # |
|---------|------|-------------------------------|
| 3" x 3" | 1/4" | <b>300DAT25SS</b>             |
| 3" x 3" | 3/8" | <b>300DAT38SS</b>             |
| 3" x 3" | 1/2" | <b>300DAT50SS</b>             |
| 3" x 3" | 3/4" | <b>300DAT75SS</b>             |

## Type DA Jump Size Couplings

### coupler x adapter

**Feature:**

- Buna-N gasket standard with a, other gaskets available on pages 167 - 170.

| Size        | 356T6 Aluminum<br>Part #          | 316 Stainless Steel<br>Part #  |
|-------------|-----------------------------------|--------------------------------|
| 1" x 1 1/2" | <b>1015-DA-AL</b> <sup>1</sup>    | <b>1015-DA-SS</b> <sup>1</sup> |
| 1 1/2" x 1" | <b>1510DAAL</b>                   | <b>1510-DA-SS</b> <sup>1</sup> |
| 1 1/2" x 2" | <b>1520-DA-AL</b>                 | <b>1520-DA-SS</b>              |
| 2" x 1"     | <b>2010-DA-AL</b> <sup>1</sup>    | <b>2010-DA-SS</b>              |
| 2" x 1 1/2" | <b>2015-DA-AL</b>                 | <b>2015-DA-SS</b>              |
| 2" x 2 1/2" | <b>2025-DA-AL</b> <sup>1</sup>    | <b>2025-DA-SS</b> <sup>1</sup> |
| 2" x 3"     | <b>2030-DA-AL</b>                 | <b>2030-DA-SS</b>              |
| 2" x 4"     | <b>2040-DA-AL</b>                 | <b>2040-DA-SS</b> <sup>1</sup> |
| 2 1/2" x 2" | ---                               | <b>2520-DA-SS</b> <sup>1</sup> |
| 2 1/2" x 3" | ---                               | <b>2530-DA-SS</b> <sup>1</sup> |
| 3" x 1 1/2" | <b>3015-DA-AL</b>                 | <b>3015-DA-SS</b> <sup>1</sup> |
| 3" x 2"     | <b>3020-DA-AL</b>                 | <b>3020-DA-SS</b>              |
| 3" x 2 1/2" | <b>3025-DA-AL</b> <sup>1</sup>    | <b>3025-DA-SS</b> <sup>1</sup> |
| 3" x 4"     | <b>3040-DA-AL</b>                 | <b>3040-DA-SS</b>              |
| 3" x 6"     | <b>3060-DA-AL</b> <sup>1</sup>    | <b>3060-DA-SS</b> <sup>1</sup> |
| 4" x 2"     | <b>4020-DA-AL</b>                 | <b>4020-DA-SS</b> <sup>1</sup> |
| 4" x 2 1/2" | <b>4025-DA-AL</b>                 | <b>4025-DA-SS</b> <sup>1</sup> |
| 4" x 3"     | <b>4030-DA-AL</b>                 | <b>4030-DA-SS</b>              |
| 4" x 5"     | <b>4050-DA-AL</b>                 | ---                            |
| 4" x 6"     | <b>4060-DA-AL</b>                 | <b>4060-DA-SS</b> <sup>1</sup> |
| 5" x 3"     | <b>5030-DA-AL</b> <sup>1</sup>    | <b>5030-DA-SS</b> <sup>1</sup> |
| 5" x 4"     | <b>5040-DA-AL</b>                 | <b>5040-DA-SS</b> <sup>1</sup> |
| 5" x 6"     | <b>5060-DA-AL</b> <sup>1</sup>    | <b>5060-DA-SS</b> <sup>1</sup> |
| 6" x 3"     | <b>6030-DA-AL</b>                 | <b>6030-DA-SS</b> <sup>1</sup> |
| 6" x 4"     | <b>6040-DA-AL</b>                 | <b>6040-DA-SS</b>              |
| 6" x 5"     | <b>6050-DA-AL</b>                 | <b>6050-DA-SS</b> <sup>1</sup> |
| 8" x 6"     | <b>8060-DA-AL</b> <sup>1, 2</sup> | ---                            |

<sup>1</sup> parts are produced as a welded fabrication

<sup>2</sup> The 8" coupler only interchanges with Dixon® adapters.



| Size    | Brass<br>Part #   | Unplated Malleable Iron<br>Part # |
|---------|-------------------|-----------------------------------|
| 3" x 2" | <b>3020-DA-BR</b> | <b>3020-DA-MI</b>                 |
| 3" x 4" | <b>3040-DA-BR</b> | ---                               |
| 4" x 3" | <b>4030-DA-BR</b> | <b>4030-DA-MI</b>                 |
| 6" x 4" | <b>6040-DA-BR</b> | <b>6040-DA-MI</b>                 |

Note: In reducing cam & groove couplings, the coupler is the first size in the part number; (i.e., a 4030-DA-AL is a 4" coupler to a 3" adapter).



4030-DA-SS



4060-DA-AL



2015-DA-AL



5060-DA-AL

## Boss-Lock™ Type DA Jump Size coupler x adapter

**Features:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170.
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.

| Size     | 356T6 Aluminum<br>Part #      | 316 Stainless Steel<br>Part # |
|----------|-------------------------------|-------------------------------|
| 2" x 3"  | <b>ADA2030</b> <sup>1</sup>   | <b>RDA2030BL</b> <sup>1</sup> |
| 2½" x 2" | <b>ADA2520</b> <sup>1</sup>   | ---                           |
| 2½" x 3" | <b>ADA2530</b> <sup>1</sup>   | ---                           |
| 3" x 2"  | <b>ADA3020</b>                | <b>RDA3020BL</b>              |
| 3" x 4"  | <b>ADA3040</b> <sup>1</sup>   | <b>RDA3040BL</b> <sup>1</sup> |
| 4" x 2"  | <b>ADA4020</b> <sup>1</sup>   | <b>RDA4020BL</b> <sup>1</sup> |
| 4" x 3"  | <b>ADA4030</b>                | <b>RDA4030BL</b>              |
| 6" x 4"  | <b>ADA6040</b> <sup>1</sup>   | ---                           |
| 8" x 6"  | <b>ADA8060</b> <sup>1,2</sup> | ---                           |

<sup>1</sup> parts are produced as a welded fabrication

<sup>2</sup> The 8" coupler only interchanges with 8" Boss-Lock™ couplings.



Note: In reducing cam & groove couplings, the coupler is the first size in the part number; (i.e., a ADA4030 is a 4" coupler to a 3" adapter).



Cam &amp; Groove

## EZ Boss-Lock™ Type DA Jump Size coupler x adapter

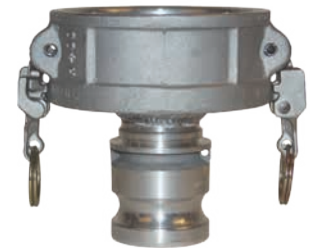
**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170.

| Size    | 356T6 Aluminum<br>Part #      | 316 Stainless Steel<br>Part # |
|---------|-------------------------------|-------------------------------|
| 2" x 3" | <b>ADA2030EZ</b> <sup>1</sup> | <b>RDA2030EZ</b> <sup>1</sup> |
| 3" x 2" | <b>ADA3020EZ</b>              | <b>RDA3020EZ</b>              |
| 3" x 4" | <b>ADA3040EZ</b> <sup>1</sup> | <b>RDA3040EZ</b> <sup>1</sup> |
| 4" x 2" | <b>ADA4020EZ</b> <sup>1</sup> | <b>RDA4020EZ</b> <sup>1</sup> |
| 4" x 3" | <b>ADA4030EZ</b>              | <b>RDA4030EZ</b>              |
| 6" x 4" | <b>ADA6040EZ</b> <sup>1</sup> | <b>RDA6040EZ</b>              |

<sup>1</sup> parts are produced as a welded fabrication

Note: In reducing cam & groove couplings, the coupler is the first size in the part number; (i.e., a ADA4030EZ is a 4" coupler to a 3" adapter).



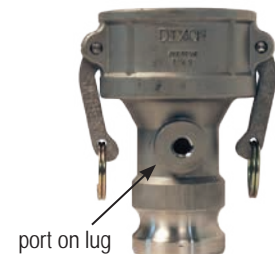
## Dixon® Type DA Jump Size with Port coupler x adapter

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170.

| Size    | Port | 316 Stainless Steel<br>Part # |
|---------|------|-------------------------------|
| 3" x 2" | ¼"   | <b>3020DAT25SS</b>            |
| 3" x 2" | ⅜"   | <b>3020DAT38SS</b>            |
| 3" x 2" | ½"   | <b>3020DAT50SS</b>            |
| 3" x 2" | ¾"   | <b>3020DAT75SS</b>            |

Note: In reducing cam & groove couplings, the coupler is the first size in the part number; (i.e., a ADA4030EZ is a 4" coupler to a 3" adapter).



## Type DA Spool Adapters

### adapter x adapter

**Feature:**

- pressure rating is based on the seal of the mating part, see ratings on page 124

Cam &amp; Groove



increaser / reducer



same size

| Size     | 356T6 Aluminum<br>Part #       | 316 Stainless Steel<br>Part #  | Unplated Malleable Iron<br>Part # |
|----------|--------------------------------|--------------------------------|-----------------------------------|
| 1"       | ---                            | <b>100-AA-SS</b>               | ---                               |
| 1¼"      | ---                            | <b>125-AA-SS</b> <sup>1</sup>  | ---                               |
| 1½"      | <b>150-AA-AL</b>               | <b>150-AA-SS</b>               | ---                               |
| 1½" x 2" | <b>1520-AA-AL</b>              | <b>1520-AA-SS</b>              | ---                               |
| 2"       | <b>200-AA-AL</b>               | <b>200-AA-SS</b>               | ---                               |
| 2" x 3"  | <b>2030-AA-AL</b>              | <b>2030-AA-SS</b>              | ---                               |
| 2" x 4"  | <b>2040-AA-AL</b>              | <b>2040-AA-SS</b> <sup>1</sup> | ---                               |
| 2½" x 3" | <b>2530-AA-AL</b> <sup>1</sup> | <b>2530-AA-SS</b> <sup>1</sup> | ---                               |
| 2½" x 4" | <b>2540-AA-AL</b> <sup>1</sup> | ---                            | ---                               |
| 3"       | <b>300-AA-AL</b>               | <b>300-AA-SS</b>               | ---                               |
| 3" x 4"  | <b>3040-AA-AL</b>              | <b>3040-AA-SS</b> <sup>1</sup> | ---                               |
| 4"       | <b>400-AA-AL</b>               | <b>400-AA-SS</b>               | <b>NEW 400-AA-MI</b>              |
| 4" x 5"  | <b>4050-AA-AL</b>              | ---                            | ---                               |
| 4" x 6"  | <b>4060-AA-AL</b>              | <b>4060-AA-SS</b> <sup>1</sup> | ---                               |
| 5"       | <b>500-AA-AL</b> <sup>1</sup>  | <b>500-AA-SS</b> <sup>1</sup>  | ---                               |
| 5" x 6"  | <b>5060-AA-AL</b> <sup>1</sup> | ---                            | ---                               |
| 6"       | <b>600-AA-AL</b>               | <b>600-AA-SS</b> <sup>1</sup>  | ---                               |

<sup>1</sup> parts are produced as a welded fabrication

| Size | Brass<br>Part #  |
|------|------------------|
| 2"   | <b>200-AA-BR</b> |
| 3"   | <b>300-AA-BR</b> |

## Type DD Dixon® Couplers

### coupler x coupler

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170



reducer / increaser



same size

| Size    | 356T6 Aluminum<br>Part #       | 316 Stainless Steel<br>Part #  |
|---------|--------------------------------|--------------------------------|
| 1½"     | ---                            | <b>150-DD-SS</b> <sup>1</sup>  |
| 2"      | <b>200-DD-AL</b>               | <b>200-DD-SS</b>               |
| 2" x 3" | <b>2030-DD-AL</b>              | <b>2030-DD-SS</b>              |
| 3"      | <b>300-DD-AL</b>               | <b>300-DD-SS</b>               |
| 3" x 4" | <b>3040-DD-AL</b>              | <b>3040-DD-SS</b> <sup>1</sup> |
| 4"      | <b>400-DD-AL</b>               | <b>400-DD-SS</b>               |
| 4" x 5" | <b>4050-DD-AL</b> <sup>1</sup> | <b>4050-DD-SS</b> <sup>1</sup> |
| 4" x 6" | <b>4060-DD-AL</b> <sup>1</sup> | <b>4060-DD-SS</b>              |
| 5"      | <b>500-DD-AL</b> <sup>1</sup>  | <b>500-DD-SS</b>               |
| 6"      | <b>600-DD-AL</b>               | ---                            |

<sup>1</sup> parts are produced as a welded fabrication

## Type DD Boss-Lock™ Couplers

### coupler x coupler

**Features:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.



reducer / increaser



same size

| Size    | 356T6 Aluminum<br>Part #    | 316 Stainless Steel<br>Part # |
|---------|-----------------------------|-------------------------------|
| 2"      | <b>ADD200</b> <sup>1</sup>  | <b>RDD200EZ</b>               |
| 2" x 3" | <b>ADD2030</b> <sup>1</sup> | <b>RDD2030EZ</b> <sup>1</sup> |
| 3"      | <b>ADD300</b> <sup>1</sup>  | <b>RDD300EZ</b> <sup>1</sup>  |
| 3" x 4" | <b>ADD3040</b> <sup>1</sup> | <b>RDD3040EZ</b> <sup>1</sup> |
| 4"      | <b>ADD400</b> <sup>1</sup>  | <b>RDD400EZ</b> <sup>1</sup>  |
| 6"      | ---                         | <b>RDD600EZ</b> <sup>1</sup>  |

<sup>1</sup> parts are produced as a welded fabrication

## Type A Jump Size Adapters

adapter x female NPT

## Feature:

- pressure rating is based on the seal of the mating part, see ratings on page 124

| Size     | 356T6 Aluminum<br>Part # | 316 Stainless Steel<br>Part # |
|----------|--------------------------|-------------------------------|
| 2" x 1½" | <b>2015-A-AL</b>         | <b>2015-A-SS</b> <sup>1</sup> |
| 2" x 3"  | <b>2030-A-AL</b>         | <b>2030-A-SS</b>              |
| 3" x 2"  | <b>3020-A-AL</b>         | <b>3020-A-SS</b>              |
| 3" x 4"  | <b>3040-A-AL</b>         | ---                           |
| 4" x 3"  | <b>4030-A-AL</b>         | <b>4030-A-SS</b> <sup>1</sup> |
| 4" x 6"  | <b>4060-A-AL</b>         | ---                           |
| 6" x 4"  | <b>6040-A-AL</b>         | <b>6040-A-SS</b> <sup>1</sup> |

<sup>1</sup> parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).



Cam &amp; Groove

## Dixon® Type B Jump Size Couplers

coupler x male NPT

## Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size     | 356T6 Aluminum<br>Part # | 316 Stainless Steel<br>Part # |
|----------|--------------------------|-------------------------------|
| 1½" x 1" | <b>1510-B-AL</b>         | <b>1510-B-SS</b> <sup>1</sup> |
| 2" x 1½" | <b>2015-B-AL</b>         | <b>2015-B-SS</b> <sup>1</sup> |
| 2" x 3"  | <b>2030-B-AL</b>         | ---                           |
| 3" x 2"  | <b>3020-B-AL</b>         | <b>3020-B-SS</b> <sup>1</sup> |
| 3" x 4"  | <b>3040-B-AL</b>         | ---                           |
| 4" x 3"  | <b>4030-B-AL</b>         | <b>4030-B-SS</b> <sup>1</sup> |

<sup>1</sup> parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).



## Dixon® Type C Jump Size Couplers

coupler x hose shank

## Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size     | 356T6 Aluminum<br>Part #      | 316 Stainless Steel<br>Part # |
|----------|-------------------------------|-------------------------------|
| 1½" x 1" | ---                           | <b>1510-C-SS</b>              |
| 2" x 1½" | <b>2015-C-AL</b> <sup>1</sup> | <b>2015-C-SS</b> <sup>1</sup> |
| 3" x 2"  | <b>3020-C-AL</b>              | <b>3020-C-SS</b>              |
| 3" x 2½" | ---                           | <b>3025-C-SS</b>              |
| 3" x 4"  | <b>3040-C-AL</b>              | ---                           |
| 4" x 3"  | <b>4030-C-AL</b>              | <b>4030-C-SS</b> <sup>1</sup> |
| 5" x 4"  | <b>5040-C-AL</b> <sup>1</sup> | ---                           |

<sup>1</sup> parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).





## Dixon® Type D Jump Size Couplers

### coupler x female NPT

Cam &amp; Groove

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size     | 356T6 Aluminum<br>Part #      | Optional<br>Qty | Brass<br>Part #  | 316 Stainless Steel<br>Part # |
|----------|-------------------------------|-----------------|------------------|-------------------------------|
| 1½" x 1" | <b>1510-D-AL</b>              | 10              | ---              | <b>1510-D-SS</b> <sup>1</sup> |
| 2" x 1½" | <b>2015-D-AL</b>              | 10              | ---              | <b>2015-D-SS</b>              |
| 3" x 2"  | <b>3020-D-AL</b>              | 10              | ---              | <b>3020-D-SS</b>              |
| 4" x 3"  | <b>4030-D-AL</b>              | 10              | <b>4030-D-BR</b> | <b>4030-D-SS</b> <sup>1</sup> |
| 5" x 4"  | <b>5040-D-AL</b> <sup>1</sup> | ---             | ---              | ---                           |
| 6" x 4"  | <b>6040-D-AL</b> <sup>1</sup> | ---             | ---              | ---                           |

<sup>1</sup> parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

## Type E Jump Size Adapters

### adapter x hose shank

**Feature:**

- pressure rating is based on the seal of the mating part, see ratings on page 124



| Size     | 356T6 Aluminum<br>Part #      | 316 Stainless Steel<br>Part # |
|----------|-------------------------------|-------------------------------|
| 1½" x 1" | ---                           | <b>1510-E-SS</b>              |
| 2" x 1½" | <b>2015-E-AL</b> <sup>1</sup> | <b>2015-E-SS</b> <sup>1</sup> |
| 3" x 2"  | ---                           | <b>3020-E-SS</b> <sup>1</sup> |
| 3" x 2½" | ---                           | <b>3025-E-SS</b>              |
| 4" x 3"  | <b>4030-E-AL</b>              | <b>4030-E-SS</b> <sup>1</sup> |
| 5" x 4"  | <b>5040-E-AL</b> <sup>1</sup> | ---                           |

<sup>1</sup> parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-B-AL is a 4" coupler to a 3" male NPT).

## Type F Jump Size Adapters

### adapter x male NPT

**Feature:**

- pressure rating is based on the seal of the mating part, see ratings on page 124



| Size     | 356T6 Aluminum<br>Part # | 316 Stainless Steel<br>Part # |
|----------|--------------------------|-------------------------------|
| 1½" x 2" | <b>1520-F-AL</b>         | ---                           |
| 2" x 1½" | <b>2015-F-AL</b>         | <b>2015-F-SS</b> <sup>1</sup> |
| 2" x 3"  | <b>2030-F-AL</b>         | ---                           |
| 3" x 1½" | <b>3015-F-AL</b>         | <b>3015-F-SS</b> <sup>1</sup> |
| 3" x 2"  | <b>3020-F-AL</b>         | <b>3020-F-SS</b>              |
| 3" x 4"  | <b>3040-F-AL</b>         | ---                           |
| 4" x 3"  | <b>4030-F-AL</b>         | <b>4030-F-SS</b>              |

<sup>1</sup> parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

### Dixon® Type DA 45° Elbows adapter x coupler

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size | 356T6 Aluminum<br>Part #       | 316 Stainless Steel<br>Part #  | Unplated Malleable Iron<br>Part # |
|------|--------------------------------|--------------------------------|-----------------------------------|
| 2"   | <b>200DA-45AL</b> <sup>1</sup> | <b>200DA-45SS</b> <sup>1</sup> | ---                               |
| 3"   | <b>300DA-45AL</b>              | <b>300DA-45SS</b> <sup>1</sup> | ---                               |
| 4"   | <b>400DA-45AL</b>              | <b>400DA-45SS</b> <sup>1</sup> | <b>400DA-45MI</b>                 |
| 6"   | <b>600DA-45AL</b>              | ---                            | ---                               |

<sup>1</sup> part is produced as a welded fabrication



Cam &amp; Groove

### Dixon® Type DD 45° Elbows coupler x coupler

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size | 356T6 Aluminum<br>Part #       | 316 Stainless Steel<br>Part #  |
|------|--------------------------------|--------------------------------|
| 2"   | <b>200DD-45AL</b> <sup>1</sup> | ---                            |
| 3"   | <b>300DD-45AL</b> <sup>1</sup> | <b>300DD-45SS</b> <sup>1</sup> |
| 4"   | <b>400DD-45AL</b>              | ---                            |
| 6"   | <b>600DD-45AL</b> <sup>1</sup> | ---                            |

<sup>1</sup> part is produced as a welded fabrication



### Dixon® Type DA 90° Elbows adapter x coupler

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size | 356T6 Aluminum<br>Part #       | 316 Stainless Steel<br>Part #    |
|------|--------------------------------|----------------------------------|
| 1"   | ---                            | <b>100DA-90SS</b> <sup>1</sup>   |
| 1½"  | <b>150DA-90AL</b> <sup>1</sup> | <b>150DA-90SS</b> <sup>1</sup>   |
| 2"   | <b>200DA-90AL</b>              | <b>200DA-90SS</b>                |
| 3"   | <b>300DA-90AL</b>              | <b>300DA-90SS</b>                |
| 4"   | <b>400DA-90AL</b>              | <b>400DA-90SS</b>                |
| 5"   | <b>500DA-90AL</b> <sup>1</sup> | ---                              |
| 6"   | <b>600DA-90AL</b>              | <b>RDA90600EZ</b> <sup>1,2</sup> |

<sup>1</sup> part is produced as a welded fabrication

<sup>2</sup> EZ Boss-Lock™ design (not pictured)



### Dixon® Type DD 90° Elbows coupler x coupler

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size | 356T6 Aluminum<br>Part #       | 316 Stainless Steel<br>Part #  |
|------|--------------------------------|--------------------------------|
| 2"   | <b>200DD-90AL</b>              | ---                            |
| 3"   | <b>300DD-90AL</b> <sup>1</sup> | <b>300DD-90SS</b> <sup>1</sup> |
| 4"   | <b>400DD-90AL</b>              | ---                            |
| 6"   | <b>600DD-90AL</b>              | ---                            |

<sup>1</sup> part is produced as a welded fabrication



### Type A 90° Adapters Elbows adapter x female NPT

**Feature:**

- pressure rating is based on the seal of the mating part, see ratings on page 124

| Size | 356T6 Aluminum<br>Part # | 316 Stainless Steel<br>Part # |
|------|--------------------------|-------------------------------|
| 1½"  | <b>150A-90AL</b>         | ---                           |
| 2"   | <b>200A-90AL</b>         | <b>200A-90SS</b> <sup>1</sup> |
| 3"   | <b>300A-90AL</b>         | <b>300A-90SS</b>              |
| 4"   | <b>400A-90AL</b>         | ---                           |

<sup>1</sup> part is produced as a welded fabrication



## Type B 90° Dixon® Elbows coupler x male NPT


**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size | 356T6 Aluminum<br>Part # | 316 Stainless Steel<br>Part # |
|------|--------------------------|-------------------------------|
| 1½"  | <b>150B-90AL</b>         | ---                           |
| 2"   | <b>200B-90AL</b>         | <b>200B-90SS</b> <sup>1</sup> |
| 3"   | ---                      | <b>300B-90SS</b> <sup>1</sup> |

<sup>1</sup> Parts are produced as a welded fabrication.

## Type C 90° Dixon® Elbows coupler x hose shank


**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size | 356T6 Aluminum<br>Part # | Brass<br>Part #  | 316 Stainless Steel<br>Part # |
|------|--------------------------|------------------|-------------------------------|
| 1¼"  | ---                      | <b>125C-90BR</b> | ---                           |
| 1½"  | <b>150C-90AL</b>         | ---              | <b>150C-90SS</b>              |
| 2"   | <b>200C-90AL</b>         | <b>200C-90BR</b> | <b>200C-90SS</b>              |
| 3"   | <b>300C-90AL</b>         | ---              | <b>300C-90SS</b>              |
| 4"   | <b>400C-90AL</b>         | ---              | <b>400C-90SS</b> <sup>1</sup> |
| 6"   | <b>600C-90AL</b>         | ---              | ---                           |

<sup>1</sup> part is produced as a welded fabrication

## Type D 90° Dixon® Elbows coupler x female NPT



EZ Boss-Lock™ design

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size | 356T6 Aluminum<br>Part #      | Brass<br>Part #  | 316 Stainless Steel<br>Part # |
|------|-------------------------------|------------------|-------------------------------|
| 1"   | ---                           | ---              | <b>100D-90SS</b>              |
| 1¼"  | ---                           | <b>125D-90BR</b> | ---                           |
| 1½"  | <b>150D-90AL</b>              | <b>150D-90BR</b> | ---                           |
| 2"   | <b>200D-90AL</b>              | <b>200D-90BR</b> | <b>200D-90SS</b>              |
| 3"   | <b>300D-90AL</b>              | ---              | <b>300D-90SS</b>              |
| 4"   | <b>400D-90AL</b>              | ---              | <b>400D-90SS</b> <sup>1</sup> |
| 4"   | <b>AD90400EZ</b> <sup>2</sup> | ---              | ---                           |
| 6"   | <b>600D-90AL</b>              | ---              | ---                           |

<sup>1</sup> part is produced as a welded fabrication

<sup>2</sup> EZ Boss-Lock™ design

## Type E 90° Elbows

### adapter x hose shank

**Feature:**

- pressure rating is based on the seal of the mating part, see ratings on page 124

| Size | 356T6 Aluminum<br>Part # | 316 Stainless Steel<br>Part # |
|------|--------------------------|-------------------------------|
| 2"   | ---                      | <b>200E-90SS</b> <sup>1</sup> |
| 3"   | <b>300E-90AL</b>         | <b>300E-90SS</b>              |
| 4"   | <b>400E-90AL</b>         | <b>400E-90SS</b> <sup>1</sup> |

<sup>1</sup> parts are produced as a welded fabrication



Cam &amp; Groove

## Type F 90° Elbows

### adapter x male NPT

**Feature:**

- pressure rating is based on the seal of the mating part, see ratings on page 124

| Size | 356T6 Aluminum<br>Part # | 316 Stainless Steel<br>Part # |
|------|--------------------------|-------------------------------|
| 1½"  | <b>150F-90AL</b>         | ---                           |
| 2"   | <b>200F90AL</b>          | <b>200F-90SS</b> <sup>1</sup> |
| 3"   | ---                      | <b>300F-90SS</b> <sup>1</sup> |

<sup>1</sup> parts are produced as a welded fabrication



## Adapter x 150# Flange

Cam & Groove



### Features:

- aluminum and unplated iron flanges are flat faced
- stainless steel flanges are raised face
- reference dixonvalve.com for flange bolt hole drilling circle standards
- flanges are designed to mate with 150# flange
- flanges have the same bolt hole pattern as an ANSI 150 lb. flange, the thickness may vary

| Size | 356T6 Aluminum Part #         | Flange Thick. | Unplated Malleable Iron Part # | Flange Thick. | 316 Stainless Steel Part # | Flange Thick. |
|------|-------------------------------|---------------|--------------------------------|---------------|----------------------------|---------------|
| 1"   | ---                           | ---           | ---                            | ---           | <b>100-AL-SS</b>           | 9/16"         |
| 1½"  | ---                           | ---           | ---                            | ---           | <b>150-AL-SS</b>           | 11/16"        |
| 2"   | <b>200-AL-AL</b>              | ¾"            | ---                            | ---           | <b>200-AL-SS</b>           | 7/16"         |
| 3"   | <b>300-AL-AL</b>              | ⅝"            | <b>300-AL-MI</b>               | ⅝"            | <b>300-AL-SS</b>           | 7/16"         |
| 4"   | <b>400-AL-AL</b>              | ⅝"            | ---                            | ---           | <b>400-AL-SS</b>           | 7/16"         |
| 6"   | <b>600-AL-AL</b>              | ⅝"            | ---                            | ---           | <b>600-AL-SS</b>           | 5/8"          |
| 8"   | <b>800-AL-AL</b> <sup>1</sup> | 1⅛"           | ---                            | ---           | ---                        | ---           |

<sup>1</sup> part is produced as a welded fabrication

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## Adapter x 150# ANSI Flange



### Feature:

- global product made to Dixon® specifications

| Size | 316 Stainless Steel Part # | Flange Thickness |
|------|----------------------------|------------------|
| 2"   | <b>200-AL-SSANSI</b>       | ¾"               |
| 3"   | <b>300-AL-SSANSI</b>       | 15/16"           |

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## Dixon® Coupler x 150# Flange



### Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size | 356T6 Aluminum Part #         | Flange Thick | 316 Stainless Steel Part # | Flange Thick. |
|------|-------------------------------|--------------|----------------------------|---------------|
| 1"   | ---                           | ---          | <b>100-DL-SS</b>           | 21/32"        |
| 1½"  | ---                           | ---          | <b>150-DL-SS</b>           | 25/32"        |
| 2"   | <b>200-DL-AL</b>              | 3/4"         | <b>200-DL-SS</b>           | 7/16"         |
| 3"   | <b>300-DL-AL</b>              | 15/16"       | <b>300-DL-SS</b>           | 7/16"         |
| 4"   | <b>400-DL-AL</b>              | 15/16"       | <b>400-DL-SS</b>           | 7/16"         |
| 6"   | <b>600-DL-AL</b>              | 1"           | <b>600-DL-SS</b>           | 5/8"          |
| 8"   | <b>800-DL-AL</b> <sup>1</sup> | 1-1/8"       | ---                        | ---           |

<sup>1</sup> part is produced as a welded fabrication

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## EZ Boss-Lock™ Coupler x 150# Flange



### Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

| Size | 316 Stainless Steel Part #   | Flange Thickness |
|------|------------------------------|------------------|
| 1"   | <b>RDL100EZ</b> <sup>1</sup> | 9/16"            |
| 1½"  | <b>RDL150EZ</b> <sup>1</sup> | 11/16"           |
| 2"   | <b>RDL200EZ</b>              | 7/16"            |
| 3"   | <b>RDL300EZ</b> <sup>1</sup> | 7/16"            |
| 4"   | <b>RDL400EZ</b> <sup>1</sup> | 7/16"            |
| 6"   | <b>RDL600EZ</b> <sup>1</sup> | 1"               |

<sup>1</sup> parts are produced as a welded fabrication

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

**Features:**

- not all configurations are stocked
- Boss-Lock™ versions are also available, consult Dixon® for pricing and availability
- CAD models are for reference only, consult Dixon® for specific dimensions
- final weld preparation, as with all weld fittings, is the responsibility of the welder



## Dixon® Coupler Socket Weld to Schedule 40 Pipe

| Size | Bore  | 356T6 Aluminum<br>Part #      | 316 Stainless Steel<br>Part # |
|------|-------|-------------------------------|-------------------------------|
| ¾"   | 1.065 | ---                           | <b>75DWSPSS</b>               |
| 1"   | 1.330 | <b>100DWSPAL</b>              | <b>100DWSPSS</b>              |
| 1½"  | 1.915 | <b>150DWSPAL</b>              | <b>150DWSPSS</b>              |
| 2"   | 2.390 | <b>200DWSPAL</b>              | <b>200DWSPSS</b>              |
| 3"   | 3.530 | <b>300DWSPAL</b>              | <b>300DWSPSS</b>              |
| 4"   | 4.530 | <b>400DWSPAL</b>              | <b>400DWSPSS</b>              |
| 5"   | 5.562 | <b>500DWSPAL</b>              | <b>500DWSPSS</b>              |
| 6"   | 6.655 | <b>600DWSPAL</b>              | <b>600DWSPSS</b>              |
| 8"   | 8.711 | <b>800DWSPAL</b> <sup>1</sup> | ---                           |

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size*. The 8" Dixon® design has 4 cam arms.



Cam &amp; Groove

## Dixon® Coupler Butt Weld to Schedule 40 Pipe/Socket Weld to Nominal Tubing

| Size | Bore  | 356T6 Aluminum<br>Part # | 316 Stainless Steel<br>Part # |
|------|-------|--------------------------|-------------------------------|
| ¾"   | .765  | ---                      | <b>75DWPSTSS</b>              |
| 1"   | 1.015 | ---                      | <b>100DWPSTSS</b>             |
| 1½"  | 1.515 | <b>150DWPSTAL</b>        | <b>150DWPSTSS</b>             |
| 2"   | 2.015 | <b>200DWPSTAL</b>        | <b>200DWPSTSS</b>             |
| 3"   | 3.015 | <b>300DWPSTAL</b>        | <b>300DWPSTSS</b>             |
| 4"   | 4.015 | <b>400DWPSTAL</b>        | <b>400DWPSTSS</b>             |
| 5"   | 5.015 | <b>500DWPSTAL</b>        | ---                           |
| 6"   | 6.020 | <b>600DWPSTAL</b>        | ---                           |



## EZ Boss-Lock™ Coupler Socket Weld to Schedule 40 Pipe

| Size | Bore  | 316 Stainless Steel<br>Part # |
|------|-------|-------------------------------|
| ¾"   | 1.065 | <b>RDWSP075EZ</b>             |
| 1"   | 1.330 | <b>RDWSP100EZ</b>             |
| 1½"  | 1.915 | <b>RDWSP150EZ</b>             |
| 2"   | 2.390 | <b>RDWSP200EZ</b>             |
| 3"   | 3.530 | <b>RDWSP300EZ</b>             |
| 4"   | 4.530 | <b>RDWSP400EZ</b>             |
| 6"   | 6.655 | <b>RDWSP600EZ</b>             |





## EZ Boss-Lock™ Coupler Butt Weld to Schedule 40 Pipe / Socket Weld to Nominal Tubing

Cam & Groove



- Buna-N gaskets standard, other gaskets available on pages 167 - 170

| Size | Bore  | 316 Stainless Steel<br>Part # |
|------|-------|-------------------------------|
| ¾"   | .765  | <b>RDWBPST075EZ</b>           |
| 1"   | 1.015 | <b>RDWBPST100EZ</b>           |
| 1½"  | 1.515 | <b>RDWBPST150EZ</b>           |
| 2"   | 2.015 | <b>RDWBPST200EZ</b>           |
| 3"   | 3.015 | <b>RDWBPST300EZ</b>           |
| 4"   | 4.015 | <b>RDWBPST400EZ</b>           |
| 6"   | 6.020 | <b>RDWBPST600EZ</b>           |

## Adapter Socket Weld to Schedule 40 Pipe

- not all configurations are stocked



| Size   | Bore  | 356T6 Aluminum<br>Part #      | 316 Stainless Steel<br>Part # |
|--------|-------|-------------------------------|-------------------------------|
| ¾"     | 1.065 | ---                           | <b>75AWSPSS</b>               |
| 1"     | 1.330 | ---                           | <b>100AWSPSS</b>              |
| 1½"    | 1.915 | <b>150AWSPAL</b>              | <b>150AWSPSS</b>              |
| 2"     | 2.390 | <b>200AWSPAL</b>              | <b>200AWSPSS</b>              |
| 3"     | 3.530 | <b>300AWSPAL</b>              | <b>300AWSPSS</b>              |
| 4"     | 4.530 | <b>400AWSPAL</b>              | <b>400AWSPSS</b>              |
| 5"     | 5.593 | <b>500AWSPAL</b>              | <b>500AWSPSS</b>              |
| 6"     | 6.655 | <b>600AWSPAL</b>              | <b>600AWSPSS</b>              |
| 8" DIX | 8.711 | <b>800AWSPAL</b> <sup>1</sup> | ---                           |
| 8" BL  | 8.711 | <b>801AWSPAL</b> <sup>1</sup> | ---                           |

- <sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*
- final weld preparation, as with all weld fittings, is the responsibility of the welder



## Adapter Butt Weld to Schedule 40 Pipe/Socket Weld to Nominal Tubing



| Size  | Bore  | 356T6 Aluminum<br>Part #        | 316 Stainless Steel<br>Part # |
|-------|-------|---------------------------------|-------------------------------|
| ¾"    | .765  | ---                             | <b>75AWBPSTSS</b>             |
| 1"    | 1.015 | ---                             | <b>100AWBPSTSS</b>            |
| 1½"   | 1.515 | <b>150AWBPSTAL</b>              | <b>150AWBPSTSS</b>            |
| 2"    | 2.015 | <b>200AWBPSTAL</b>              | <b>200AWBPSTSS</b>            |
| 3"    | 3.015 | <b>300AWBPSTAL</b>              | <b>300AWBPSTSS</b>            |
| 4"    | 4.015 | <b>400AWBPSTAL</b>              | <b>400AWBPSTSS</b>            |
| 5"    | 5.015 | <b>500AWBPSTAL</b>              | <b>500AWBPSTSS</b>            |
| 6"    | 6.020 | <b>600AWBPSTAL</b>              | <b>600AWBPSTSS</b>            |
| 8" BL | 8.035 | <b>801AWBPSTAL</b> <sup>1</sup> | ---                           |

- <sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*



## Boss-Lock™ Coupler x Tube with 45° Cut

**Application:**

- for use on trailer relief valves

**Features:**

- butt weld to tubing
- Buna-N gaskets standard, other gaskets available on pages 167 - 170
- All Boss-Lock™ couplers are supplied with pull-ring safety clips

| Size | 356T6 Aluminum<br>Part # |
|------|--------------------------|
| 2"   | <b>AC200TUBE</b>         |



Cam &amp; Groove

## In-Line Sight Glasses

**Application:**

- designed for dry bulk transfer hose

**Materials:**

- body: aluminum
- seals: Buna
- sight glass: acrylic
- hardware: stainless steel
- cam arms (where applicable): bronze

**Feature:**

- not intended for liquid service, for dry bulk transfer *only*



## Coupler x Adapter

| Size    | Aluminum<br>Part # |
|---------|--------------------|
| 3" x 3" | <b>3533CA</b>      |
| 3" x 4" | <b>3534CA</b>      |
| 4" x 3" | <b>3543CA</b>      |
| 4" x 4" | <b>3544CA</b>      |



## Adapter x Adapter

| Size    | Aluminum<br>Part # |
|---------|--------------------|
| 3" x 3" | <b>3533AA</b>      |
| 3" x 4" | <b>3534AA</b>      |
| 4" x 4" | <b>3544AA</b>      |



## Coupler x Coupler

| Size    | Aluminum<br>Part # |
|---------|--------------------|
| 3" x 3" | <b>3533CC</b>      |
| 4" x 3" | <b>3543CC</b>      |
| 4" x 4" | <b>3544CC</b>      |



## Adapter x Female NPSM

**Application:**

- used in the delivery of dry goods

**Features:**

- cork buna gaskets are standard in threaded end
- pressure rating is based on the seal of the mating part, see ratings on page 124
- replacement gasket; **400GAGFI**

|      |                          |
|------|--------------------------|
| Size | 356T6 Aluminum<br>Part # |
| 4"   | <b>400-AS-AL</b>         |

## Boss-Lock™ Coupler x Female NPSM

**Features:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170
- All Boss-Lock™ couplers are supplied with pull-ring safety clips

|      |                          |
|------|--------------------------|
| Size | 356T6 Aluminum<br>Part # |
| 4"   | <b>ADS400</b>            |

## Dixon® Coupler x Adapter Wye


**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

|      |                          |
|------|--------------------------|
| Size | 356T6 Aluminum<br>Part # |
| 2"   | <b>200YDAAAL</b>         |

## Dixon® Cam &amp; Groove Handles

## Features:

- stainless steel pins standard with all assemblies
- roll pins are 302 stainless, solid pins are 303 stainless
- pull rings are standard on sizes 1¼" thru 6", optional on other sizes
- Domestic Dixon® standard handle assemblies are only to be used with standard Dixon® parts (not global). Handles do not interchange with other manufacturer's handles or couplers. 

| Coupler Size | Description           | Brass Part #      | 316 Sintered Stainless Steel Part # |
|--------------|-----------------------|-------------------|-------------------------------------|
| ½"           | cam arm and pin       | ---               | <b>50-HP-SP</b>                     |
| ¾"           | cam arm and pin       | ---               | <b>75-HP-SP</b>                     |
| 1"           | cam arm and pin       | ---               | <b>100-HP-SP</b>                    |
| 1¼" - 2½"    | cam arm, ring and pin | <b>200-HRP-BR</b> | <b>200-HRP-SP</b>                   |
| 3" - 5"      | cam arm, ring and pin | <b>300-HRP-BR</b> | <b>300-HRP-SP</b>                   |
| 6"           | cam arm, ring and pin | <b>600-HRP-BR</b> | ---                                 |
| 8"           | cam arm and pin       | <b>800-HNP-BR</b> | ---                                 |

| Coupler Size | Description           | 316 Investment Stainless Steel Part # |
|--------------|-----------------------|---------------------------------------|
| 2"           | cam arm, ring and pin | <b>200-HSCR-SP</b>                    |
| 3"           | cam arm, ring and pin | <b>300-HSCR-SP</b>                    |
| 6"           | cam arm, ring and pin | <b>600-HRP-SI</b>                     |




Cam &amp; Groove

C

## Dixon® Cam &amp; Groove Locking Handles for Dust Caps

## Features:


- Dixon® locking handles are only to be used with standard Dixon® parts (not global). Handles do not interchange with other manufacturer's handles or couplers. 
- not supplied with pins

| Coupler Size | Hole Diameter | Brass Part #     | 316 Investment Stainless Steel Part # |
|--------------|---------------|------------------|---------------------------------------|
| 2"           | 9/32"         | <b>200-LH-BR</b> | <b>200-LH-SI</b>                      |
| 3"           | 5/16"         | <b>300-LH-BR</b> | <b>300-LH-SI</b>                      |
| 4"           | ¾"            | <b>400-LH-BR</b> | <b>400-LH-SI</b>                      |



## Boss-Lock™ Cam &amp; Groove Handles

## Feature:

- Boss-Lock™ handles should only be used with Boss-Lock™ parts. Handles do not interchange with other manufacturer's handles or couplers. 

| Coupler Size | Brass Part #   | 316 Investment Stainless Steel Part # | Plated Iron Part # |
|--------------|----------------|---------------------------------------|--------------------|
| ¾" - 1"      | <b>BHSC175</b> | <b>RHSC175</b>                        | ---                |
| 1¼" - 2½"    | <b>BHSC152</b> | <b>RHSC152</b>                        | <b>IHSC152</b>     |
| 3" and 4"    | <b>BHSC34</b>  | <b>RHSC34</b>                         | <b>IHSC34</b>      |

| Coupler Size | Brass Part # | Plated Iron Part # |
|--------------|--------------|--------------------|
| 6" and 8"    | <b>BH6</b>   | <b>IH6</b>         |



EZ Boss-Lock™ Cam & Groove Handles

Features:

- investment cast stainless steel cam arm and lever
- 316 stainless steel spring
- stainless steel pin, washer, plated carbon steel pull ring



| Coupler Size | Brass Part #   |
|--------------|----------------|
| ¾" - 1"      | <b>RHEZ175</b> |
| 1¼" - 2½"    | <b>RHEZ152</b> |
| 3" - 5"      | <b>RHEZ34</b>  |
| 6" and 8"    | <b>RHEZ6</b>   |

Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically produced for their use. The aluminum, brass and iron are made from sand castings. To ensure proper functioning of the EZ Boss-Lock™ cam arm assemblies, we sort the castings to ensure there is sufficient length and orientation on the lugs on the main casting to engage the lever. We also buff or grind the rougher sand cast surface to ensure that the lever will move freely. *The EZ Boss-Lock™ cam arms cannot be retrofitted onto existing aluminum, brass or plated iron Boss-Lock™ already in service.*



Dixon® Coupling Paddle Handles



316 investment cast stainless steel



brass

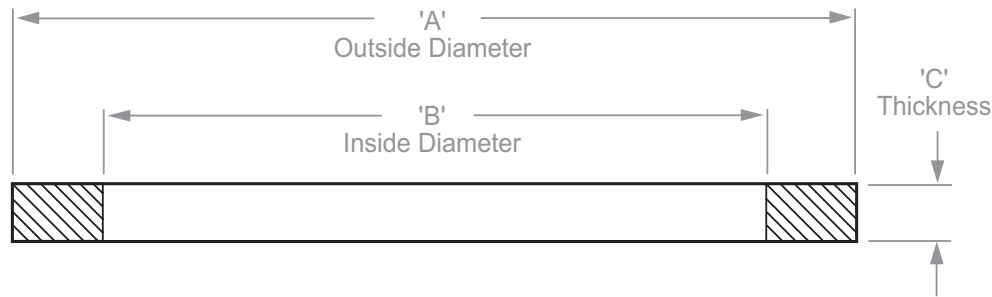
Features:

- Dixon® paddle handles are only to be used with standard Dixon® parts (not global). Handles do not interchange with other manufacturer's handles or couplers.
- not supplied with pins



| Coupler Size | Brass Part #      | 316 Investment Cast Stainless Steel Part # |
|--------------|-------------------|--|
| 3" and 4"    | <b>300H-PADBR</b> | <b>300H-PADSS</b>                          |

## Cam &amp; Groove Gasket Dimensions



Cam &amp; Groove

- nominal dimensions for elastomeric cam & groove gaskets are listed
- ID's of the PTFE envelope gaskets and the PTFE accordion gaskets are *1/16" smaller than* the ID's for the elastomeric gaskets shown below
- thickness of PTFE accordion gaskets may vary from chart below

| Size   | Part #                   | Dimensions |          |       |
|--------|--------------------------|------------|----------|-------|
|        |                          | A          | B        | C     |
| 1/2"   | <b>50-G<sup>1</sup></b>  | 1-1/32"    | 11/16"   | .156" |
| 3/4"   | <b>75-G</b>              | 1-3/8"     | 7/8"     | .218" |
| 1"     | <b>100-G</b>             | 1-9/16"    | 1-1/16"  | .250" |
| 1 1/4" | <b>125-G</b>             | 1-15/16"   | 1-23/64" | .250" |
| 1 1/2" | <b>150-G</b>             | 2-3/16"    | 1-5/8"   | .250" |
| 2"     | <b>200-G</b>             | 2-5/8"     | 2"       | .250" |
| 2 1/2" | <b>250-G</b>             | 3-1/8"     | 2-3/8"   | .250" |
| 3"     | <b>300-G</b>             | 3-23/32"   | 3"       | .250" |
| 4"     | <b>400-G</b>             | 4-7/8"     | 4"       | .250" |
| 5"     | <b>500-G</b>             | 5-15/16"   | 4-7/8"   | .250" |
| 6"     | <b>600-G</b>             | 7-1/16"    | 6"       | .250" |
| 8"     | <b>800-G<sup>1</sup></b> | 9-5/16"    | 8-1/8"   | .343" |

<sup>1</sup> No interchange standard exists for the 1/2" and 8" fittings. Generally, these sizes do not interchange with other manufacturer's products. As such, the gaskets in these sizes are not suitable for use in other manufacturers' couplings.



## Cam &amp; Groove Gasket Color Codes

| Gasket Code <sup>1</sup> | Material   | Color               | Color code stripes<br>(appear on the OD of the gasket or filler) |
|--------------------------|--|---------------------|--|
| <b>-BU</b>               | <i>Buna-N</i> (standard in all metal fittings)                                     | black               | 1 blue   |
| <b>-BF</b>               | <i>Buna</i> (formulated for fuel service)  | black               | 1 green  |
| <b>-VI</b>               | <i>FKM</i>   | black               | 1 yellow   |
| <b>-THK</b>              | <i>Extra Thick Buna</i>  | black               | 2 blue   |
| <b>-EPR</b>              | <i>Ethylene Propylene</i>  | black               | 1 white  |
| <b>-NE</b>               | <i>Neoprene</i>  | black               | 1 red  |
| <b>-WNE</b>              | <i>White Neoprene</i> , FDA approved material                                      | white               | none   |
| <b>-WB</b>               | <i>White Buna-N</i> , FDA approved material  | white               | blue   |
| <b>-SIL</b>              | <i>Silicone</i>  | red                 | none   |
| <b>-TF</b>               | <i>PTFE</i> (TFE) envelope with <i>Buna-N</i> filler                               | white / black       | 1 blue   |
| <b>TFVI</b>              | <i>PTFE</i> (TFE) envelope with <i>FKM</i> filler                                  | white / black       | 1 yellow   |
| <b>TFWB</b>              | <i>PTFE</i> (TFE) envelope with <i>White Buna-N</i> filler, FDA approved materials | white / white       | blue   |
| <b>TFEP</b>              | <i>PTFE</i> (TFE) envelope with <i>Ethylene Propylene</i> filler                   | white / black       | 1 white stripe   |
| <b>-TES</b>              | <i>PTFE</i> (FEP) encapsulated <i>Silicone</i> core, FDA approved materials        | translucent / red   | none   |
| <b>-TEV</b>              | <i>PTFE</i> (FEP) encapsulated <i>FKM</i> core                                     | translucent / black | none   |
| <b>TFACC</b>             | <i>PTFE</i> (TFE) accordion, FDA approved materials                                | white               | none   |

<sup>1</sup> part number suffix

Since other manufacturer's coding systems vary, this chart should not be used as a reference in identifying gaskets of unknown origin.





## Cam &amp; Groove Gaskets

Cam &amp; Groove



Buna-N



FKM

| Size | Buna-N<br>Part # | FKM<br>Part #   |
|------|------------------|-----------------|
| ½"   | <b>50-G-BU</b>   | <b>50-G-VI</b>  |
| ¾"   | <b>75-G-BU</b>   | <b>75-G-VI</b>  |
| 1"   | <b>100-G-BU</b>  | <b>100-G-VI</b> |
| 1¼"  | <b>125-G-BU</b>  | <b>125-G-VI</b> |
| 1½"  | <b>150-G-BU</b>  | <b>150-G-VI</b> |
| 2"   | <b>200-G-BU</b>  | <b>200-G-VI</b> |
| 2½"  | <b>250-G-BU</b>  | <b>250-G-VI</b> |
| 3"   | <b>300-G-BU</b>  | <b>300-G-VI</b> |
| 4"   | <b>400-G-BU</b>  | <b>400-G-VI</b> |
| 5"   | <b>500-G-BU</b>  | <b>500-G-VI</b> |
| 6"   | <b>600-G-BU</b>  | <b>600-G-VI</b> |
| 8"   | <b>800-G-BU</b>  | <b>800-G-VI</b> |



extra thick Buna-N



ethylene propylene

| Size | extra thick Buna-N<br>Part # | Ethylene Propylene<br>Part # |
|------|------------------------------|------------------------------|
| ¾"   | ---                          | <b>75-G-EPR</b>              |
| 1"   | <b>100GTHK</b>               | <b>100-G-EPR</b>             |
| 1¼"  | <b>125GTHK</b>               | <b>125-G-EPR</b>             |
| 1½"  | <b>150GTHK</b>               | <b>150-G-EPR</b>             |
| 2"   | <b>200GTHK</b>               | <b>200-G-EPR</b>             |
| 2½"  | <b>250GTHK</b>               | <b>250-G-EPR</b>             |
| 3"   | <b>300GTHK</b>               | <b>300-G-EPR</b>             |
| 4"   | <b>400GTHK</b>               | <b>400-G-EPR</b>             |
| 6"   | <b>600GTHK</b>               | ---                          |

NEW

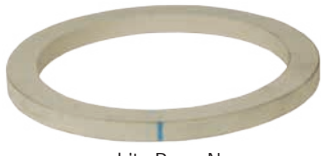


neoprene



white neoprene

| Size | Neoprene<br>Part # | white Neoprene <sup>1</sup><br>Part # |
|------|--------------------|---------------------------------------|
| ¾"   | <b>75-G-NE</b>     | ---                                   |
| 1"   | <b>100-G-NE</b>    | ---                                   |
| 1¼"  | <b>125-G-NE</b>    | ---                                   |
| 1½"  | <b>150-G-NE</b>    | <b>150-G-WNE</b>                      |
| 2"   | <b>200-G-NE</b>    | <b>200-G-WNE</b>                      |
| 2½"  | <b>250-G-NE</b>    | ---                                   |
| 3"   | <b>300-G-NE</b>    | <b>300-G-WNE</b>                      |
| 4"   | <b>400-G-NE</b>    | <b>400-G-WNE</b>                      |
| 5"   | ---                | <b>500-G-WNE</b>                      |
| 6"   | ---                | <b>600-G-WNE</b>                      |

<sup>1</sup> white neoprene gaskets contain FDA approved materials

white Buna-N



silicone

| Size | white Buna-N <sup>1</sup><br>Part # | Silicone<br>Part # |
|------|-------------------------------------|--------------------|
| 1½"  | ---                                 | <b>150-G-SIL</b>   |
| 2"   | ---                                 | <b>200-G-SIL</b>   |
| 3"   | <b>300-G-WB</b>                     | <b>300-G-SIL</b>   |
| 4"   | <b>400-G-WB</b>                     | <b>400-G-SIL</b>   |

<sup>1</sup> white Buna-N gaskets contain FDA approved materials

## Fuel Gaskets

| Size | Material                  | Part #           |
|------|---------------------------|------------------|
| 1½"  | <i>Buna</i>               | <b>150-G-BF</b>  |
| 2"   | <i>Buna</i>               | <b>200-G-BF</b>  |
| 3"   | <i>Buna</i>               | <b>300-G-BF</b>  |
| 4"   | <i>Buna</i>               | <b>400-G-BF</b>  |
| 3"   | <i>extra thick Buna-N</i> | <b>300GTHKBF</b> |
| 4"   | <i>extra thick Buna-N</i> | <b>400GTHKBF</b> |



Cam &amp; Groove

## Cam &amp; Groove Envelope Gaskets

## Features:

- *PTFE white Buna* filler (TFWB) contains FDA approved materials
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations

| Size | PTFE (TFE) with Buna-N filler<br>Part # | PTFE (TFE) with FKM filler<br>Part # |
|------|---|--------------------------------------|
| ½"   | <b>50-G-TF</b>                          | <b>50-G-TF-VI</b>                    |
| ¾"   | <b>75-G-TF</b>                          | <b>75-G-TF-VI</b>                    |
| 1"   | <b>100-G-TF</b>                         | <b>100GTFVI</b>                      |
| 1¼"  | <b>125-G-TF</b>                         | <b>125GTFVI</b>                      |
| 1½"  | <b>150-G-TF</b>                         | <b>150GTFVI</b>                      |
| 2"   | <b>200-G-TF</b>                         | <b>200GTFVI</b>                      |
| 2½"  | <b>250-G-TF</b>                         | <b>250GTFVI</b>                      |
| 3"   | <b>300-G-TF</b>                         | <b>300GTFVI</b>                      |
| 4"   | <b>400-G-TF</b>                         | <b>400GTFVI</b>                      |
| 6"   | <b>600-G-TF</b>                         | <b>600GTFVI</b>                      |



envelope

| Size | PTFE (TFE) with white Buna-N filler<br>Part # | PTFE (TFE) with Ethylene Propylene filler<br>Part # |
|------|---|---|
| 1½"  | ---   | <b>150GTFEP</b>                                     |
| 2"   | <b>200GTFWB</b>                               | <b>200GTFEP</b>                                     |
| 3"   | <b>300GTFWB</b>                               | <b>300GTFEP</b>                                     |
| 4"   | <b>400GTFWB</b>                               | ---   |
| 5"   | <b>500GTFWB</b>                               | ---   |

The torque (force) required to close the handles on a pair of cam and groove fittings will vary according to the gasket chosen. Due to the nature of the PTFE material, the various PTFE gasket designs will require the most torque, increasing as you go from envelope to encapsulated, and finally, accordion.

## Cam & Groove Encapsulated Gaskets

### Features:

- *PTFE encapsulated silicone* (TES) gaskets contain FDA approved materials
- encapsulated gasket pressure ratings are reduced to **125 PSI** for ¾" - 4" at ambient temperature **70°F (21°C)**
- *PTFE encapsulated FKM* (TEV) gaskets - maximum operating temperature **200°F (93°C)**
- *PTFE encapsulated silicone* (TES) gaskets - maximum operating temperature **225°F (107°C)**
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations

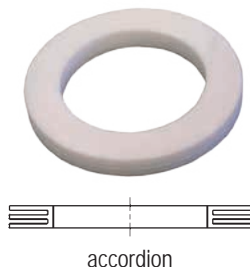


| Size | <i>PTFE (FEP) encapsulated silicone</i><br>Part # | <i>PTFE (FEP) encapsulated FKM</i><br>Part # |
|------|---|--|
| ¾"   | <b>75-G-TES</b>                                   | <b>75-G-TEV</b>                              |
| 1"   | <b>100-G-TES</b>                                  | <b>100-G-TEV</b>                             |
| 1¼"  | <b>125-G-TES</b>                                  | <b>125-G-TEV</b>                             |
| 1½"  | <b>150-G-TES</b>                                  | <b>150-G-TEV</b>                             |
| 2"   | <b>200-G-TES</b>                                  | <b>200-G-TEV</b>                             |
| 2½"  | <b>250-G-TES</b>                                  | <b>250-G-TEV</b>                             |
| 3"   | <b>300-G-TES</b>                                  | <b>300-G-TEV</b>                             |
| 4"   | <b>400-G-TES</b>                                  | <b>400-G-TEV</b>                             |

## Cam & Groove Accordion Gaskets

### Features:

- *PTFE* accordion gaskets (TFACC) are recommended for use with viscous (thick) fluids only
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations



| Size | <i>PTFE (TFE)</i><br>Part # |
|------|-----------------------------|
| ¾"   | <b>75GTFACC</b>             |
| 1"   | <b>100GTFACC</b>            |
| 1¼"  | <b>125GTFACC</b>            |
| 1½"  | <b>150GTFACC</b>            |
| 2"   | <b>200GTFACC</b>            |
| 3"   | <b>300GTFACC</b>            |

The torque (force) required to close the handles on a pair of cam & groove fittings will vary according to the gasket chosen. Due to the nature of the PTFE material, the various PTFE gasket designs will require the most torque, increasing as you go from envelope to encapsulated, and finally, accordion.

## Witches Hat Strainers

**Features:**

- used with female cam and groove couplings
- pre-attached Buna-N gasket

| Size | 304 Stainless Steel<br>Part # |
|------|-------------------------------|
| 3"   | <b>WH300-A</b>                |
| 4"   | <b>WH400-A</b>                |



Cam &amp; Groove

## Gaskets for Witches Hat Strainers

| Size | Buna-N Gasket<br>Part # |
|------|-------------------------|
| 3"   | <b>WH300-G</b>          |
| 4"   | <b>WH400-G</b>          |



## Disk Strainers

**Feature:**

- threads into bottom of female NPT fitting to protect equipment from large contaminants

| Size | Hole Size | 6061T6 Aluminum<br>Part # | 304 Investment Cast<br>Stainless Steel<br>Part # |
|------|-----------|---------------------------|--|
| 2"   | 1/4"      | <b>SDA200</b>             | <b>SDS200</b>                                    |
| 3"   | 1/4"      | <b>SDA300</b>             | <b>SDS300</b>                                    |
| 4"   | 1/4"      | <b>SDA400</b>             | <b>SDS400</b>                                    |



## Pull Ring Safety Clips for Boss-Lock™

| Coupler Size    | Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # |
|-----------------|------------------------|-------------------------------|
| 3/4" - 1"       | ---                    | <b>100PRSCSS</b>              |
| 1 1/4" - 2 1/2" | <b>200PRSCCS</b>       | <b>200PRSCSS</b>              |
| 3" and 4"       | <b>300PRSCCS</b>       | <b>300PRSCSS</b>              |



## Pull Rings

| 304 Stainless Steel<br>Part # |
|-------------------------------|
| <b>R200SS</b>                 |



## Sash Chain with Pull Rings

**Feature:**

- brass chain, plated steel pull ring

| Length  | Part #      |
|---------|-------------|
| 4 1/2"  | <b>J125</b> |
| 6 1/2"  | <b>J150</b> |
| 8 1/2"  | <b>J300</b> |
| 12 3/4" | <b>J500</b> |



## Abrasion Resistant Inserts

Cam &amp; Groove

**NEW**

400-A-INSERT



400-C-INSERTAL

**Features:**

- extends the life of adapters when transferring proppant to storage tanks
- available for multiple adapter and multiple coupler materials

| Description   | UHMW Polyethylene<br>Part # |
|---|-----------------------------|
| to be used with <b>400-A-AL</b> , <b>400-A-BR</b> , <b>400-A-MI</b> , <b>400-A-SS</b> | <b>400-A-INSERT</b>         |
| to be used with <b>400-C-AL</b>   | <b>400-C-INSERTAL</b>       |
| to be used with <b>400-C-MI</b>   | <b>400-C-INSERTMI</b>       |

## Clip for Boss-Lock™ Couplings

**Feature:**

- .072 stainless steel wire

|                 |
|-----------------|
| Stainless Steel |
| Part #          |
| <b>AC7</b>      |

## Clip Assembly

**Features:**

- for use with Boss-Lock™ couplings
- includes pull ring, chain and AC3 clip

|                  |
|------------------|
| CarbonSteel      |
| Part #           |
| <b>BLCA152CS</b> |

## Jack Chain with S-Hook



| Length | Material     | Part #          | Optional Qty |
|--------|--------------|-----------------|--------------|
| 6"     | brass        | <b>CH-B-6</b>   | 10           |
| 12"    | brass        | <b>CH-B-12</b>  | 10           |
| 24"    | brass        | <b>CH-B-24</b>  | ---          |
| 12"    | carbon steel | <b>CH-C-12</b>  | 10           |
| 6"     | stainless    | <b>CH-SS-6</b>  | 10           |
| 12"    | stainless    | <b>CH-SS-12</b> | 10           |
| 24"    | stainless    | <b>CH-SS-24</b> | 10           |

## Locking Cam Arm Velcro® Straps

**Application:**

- use with cam & groove couplers to prevent spills, secure from damage, and hold in place during transport



coupler sold separately

**Features:**

- used on the female end of a cam & groove coupler
- high visibility orange hook and loop with metal buckle provides strength, durability and long life
- temperature range: **-70°F to 200°F (-57°C to 93°C)**

| Length | Used On                | Part #       |
|--------|------------------------|--------------|
| 12"    | fits up to 1½" coupler | <b>CVS12</b> |
| 18"    | fits up to 3" coupler  | <b>CVS18</b> |
| 24"    | fits up to 5" coupler  | <b>CVS24</b> |
| 36"    | fits up to 8" coupler  | <b>CVS36</b> |

## Lanyards with Clip for Boss-Lock™ Couplings

**Materials:**

- clip: carbon steel
- lanyard: nylon

| Coupler Size | Part #      |
|--------------|-------------|
| 3/4" - 1"    | <b>ACL4</b> |
| 1 1/4" - 4"  | <b>ACL2</b> |
| 6"           | <b>ACL3</b> |



## PVC Coated Lanyards

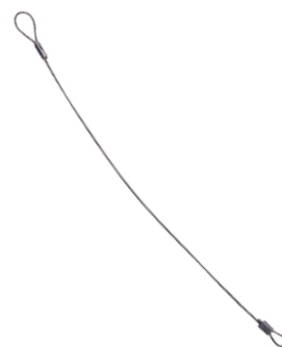
**Material:**

- PVC coated carbon steel with aluminum crimp sleeves

**Feature:**

- one end factory crimped, one end uncrimped for field installation

| Length | Part #       |
|--------|--------------|
| 15"    | <b>CAL15</b> |
| 25"    | <b>CAL25</b> |



## Lanyard for Boss-Lock™ Couplings

**Feature:**

- breaking strength: 160 lbs.

| Overall Length | 304 Stainless<br>Part # |
|----------------|-------------------------|
| 7"             | <b>LR7</b>              |





## Global Type A Adapters

### adapter x female NPT

**Features:**

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part

| Size   | A380 Permanent Mold Aluminum<br>Part # | ASTMC38000 Forged Brass<br>Part # |
|--------|--|-----------------------------------|
| 1/2"   | <b>G50-A-AL</b> <sup>1</sup>           | <b>G50-A-BR</b> <sup>1</sup>      |
| 3/4"   | <b>G75-A-AL</b>                        | <b>G75-A-BR</b>                   |
| 1"     | <b>G100-A-AL</b>                       | <b>G100-A-BR</b>                  |
| 1 1/4" | <b>G125-A-AL</b>                       | <b>G125-A-BR</b>                  |
| 1 1/2" | <b>G150-A-AL</b>                       | <b>G150-A-BR</b>                  |
| 2"     | <b>G200-A-AL</b>                       | <b>G200-A-BR</b>                  |
| 2 1/2" | <b>G250-A-AL</b>                       | <b>G250-A-BR</b>                  |
| 3"     | <b>G300-A-AL</b>                       | <b>G300-A-BR</b>                  |
| 4"     | <b>G400-A-AL</b>                       | <b>G400-A-BR</b>                  |
| 5"     | <b>G500-A-AL</b> <sup>1</sup>          | <b>G500-A-BR</b> <sup>1</sup>     |
| 6"     | <b>G600-A-AL</b>                       | ---                               |
| 8"     | <b>G800-A-AL</b> <sup>1</sup>          | ---                               |



ASTMC38000 forged brass

| Size   | 316 Investment Cast Stainless Steel<br>Part # |
|--------|---|
| 1/2"   | <b>G50-A-SS</b> <sup>1</sup>                  |
| 3/4"   | <b>G75-A-SS</b>                               |
| 1"     | <b>G100-A-SS</b>                              |
| 1 1/4" | <b>G125-A-SS</b>                              |
| 1 1/2" | <b>G150-A-SS</b>                              |
| 2"     | <b>G200-A-SS</b>                              |
| 2 1/2" | <b>G250-A-SS</b>                              |
| 3"     | <b>G300-A-SS</b>                              |
| 4"     | <b>G400-A-SS</b>                              |
| 6"     | <b>G600-A-SS</b>                              |

<sup>1</sup> No standard exists for the 1/2", 5" and 8", and generally these sizes do not interchange with other manufacturers.

## Global Type B Couplers

### coupler x male NPT

**Features:**

- interchanges with all products produced to A-A-59326D
- Buna seals standard

| Size   | A380 Permanent Mold A<br>with Brass Handles<br>Part # | ASTMC38000 Forged Brass<br>Part # |
|--------|---|-----------------------------------|
| 1/2"   | <b>G50-B-AL</b> <sup>1, 2</sup>                       | <b>G50-B-BR</b> <sup>1, 2</sup>   |
| 3/4"   | <b>G75-B-AL</b> <sup>2</sup>                          | <b>G75-B-BR</b> <sup>2</sup>      |
| 1"     | <b>G100-B-AL</b> <sup>2</sup>                         | <b>G100-B-BR</b> <sup>2</sup>     |
| 1 1/4" | <b>G125-B-AL</b>                                      | <b>G125-B-BR</b>                  |
| 1 1/2" | <b>G150-B-AL</b>                                      | <b>G150-B-BR</b>                  |
| 2"     | <b>G200-B-AL</b>                                      | <b>G200-B-BR</b>                  |
| 2 1/2" | <b>G250-B-AL</b>                                      | <b>G250-B-BR</b>                  |
| 3"     | <b>G300-B-AL</b>                                      | <b>G300-B-BR</b>                  |
| 4"     | <b>G400-B-AL</b>                                      | <b>G400-B-BR</b>                  |
| 5"     | <b>G500-B-AL</b> <sup>1</sup>                         | <b>G500-B-BR</b> <sup>1</sup>     |
| 6"     | <b>G600-B-AL</b>                                      | ---                               |

| Size   | 316 Investment Cast Stainless Steel<br>Part # | A380 Permanent Mold Aluminum<br>with Investment Stainless Handles<br>Part # |
|--------|---|---|
| 1/2"   | <b>G50-B-SS</b> <sup>1</sup>                  | ---   |
| 3/4"   | <b>G75-B-SS</b>                               | ---   |
| 1"     | <b>G100-B-SS</b>                              | ---   |
| 1 1/4" | <b>G125-B-SS</b>                              | ---   |
| 1 1/2" | <b>G150-B-SS</b>                              | <b>G150-B-ALSI</b>  |
| 2"     | <b>G200-B-SS</b>                              | <b>G200-B-ALSI</b>  |
| 2 1/2" | <b>G250-B-SS</b>                              | ---   |
| 3"     | <b>G300-B-SS</b>                              | <b>G300-B-ALSI</b>  |
| 4"     | <b>G400-B-SS</b>                              | <b>G400-B-ALSI</b>  |
| 6"     | <b>G600-B-SS</b>                              | ---   |

<sup>1</sup> No standard exists for the 1/2", 5" and 8", and generally these sizes do not interchange with other manufacturers.

<sup>2</sup> supplied with stainless steel handles



A380 permanent mold aluminum

## Global Type C Couplers

### coupler x hose shank

**Features:**

- interchanges with all products produced to A-A-59326D
- Buna seals are standard



A380 permanent mold aluminum

| Size   | A380 Permanent Mold Aluminum<br>with Brass Handles<br>Part # | ASTMC38000 Forged Brass<br>Part # |
|--------|--|-----------------------------------|
| 1/2"   | <b>G50-C-AL</b> <sup>1,2</sup>                               | <b>G50-C-BR</b> <sup>1,2</sup>    |
| 3/4"   | <b>G75-C-AL</b> <sup>2</sup>                                 | <b>G75-C-BR</b> <sup>2</sup>      |
| 1"     | <b>G100-C-AL</b> <sup>2</sup>                                | <b>G100-C-BR</b> <sup>2</sup>     |
| 1 1/4" | <b>G125-C-AL</b>   | <b>G125-C-BR</b>                  |
| 1 1/2" | <b>G150-C-AL</b>   | <b>G150-C-BR</b>                  |
| 2"     | <b>G200-C-AL</b>   | <b>G200-C-BR</b>                  |
| 2 1/2" | <b>G250-C-AL</b>   | <b>G250-C-BR</b>                  |
| 3"     | <b>G300-C-AL</b>   | <b>G300-C-BR</b>                  |
| 4"     | <b>G400-C-AL</b>   | <b>G400-C-BR</b>                  |
| 5"     | <b>G500-C-AL</b> <sup>1</sup>                                | <b>G500-C-BR</b> <sup>1</sup>     |
| 6"     | <b>G600-C-AL</b>   | ---                               |
| 8"     | <b>G800-C-AL</b> <sup>1</sup>                                | ---                               |

| Size   | 316 Investment Cast Stainless Steel<br>Part # | A380 Permanent Mold Aluminum<br>with Investment Stainless Handles<br>Part # |
|--------|---|---|
| 1/2"   | <b>G50-C-SS</b> <sup>1</sup>                  | ---   |
| 3/4"   | <b>G75-C-SS</b>                               | ---   |
| 1"     | <b>G100-C-SS</b>                              | ---   |
| 1 1/4" | <b>G125-C-SS</b>                              | ---   |
| 1 1/2" | <b>G150-C-SS</b>                              | <b>G150-C-ALSI</b>  |
| 2"     | <b>G200-C-SS</b>                              | <b>G200-C-ALSI</b>  |
| 2 1/2" | <b>G250-C-SS</b>                              | ---   |
| 3"     | <b>G300-C-SS</b>                              | <b>G300-C-ALSI</b>  |
| 4"     | <b>G400-C-SS</b>                              | <b>G400-C-ALSI</b>  |
| 6"     | <b>G600-C-SS</b>                              | ---   |

<sup>1</sup> No standard exists for the 1/2", 5" and 8", and generally these sizes do not interchange with other manufacturers.

<sup>2</sup> supplied with stainless steel handles

- see page 109 for Global Crimp Type C couplers

## Global Type D Couplers

### coupler x female NPT

**Features:**

- interchanges with all products produced to A-A-59326D
- Buna seals are standard

| Size   | A380 Permanent Mold Aluminum<br>with Brass Handles<br>Part # | ASTMC38000 Forged Brass<br>Part # |
|--------|--|-----------------------------------|
| 1/2"   | <b>G50-D-AL</b> <sup>1,2</sup>                               | <b>G50-D-BR</b> <sup>1,2</sup>    |
| 3/4"   | <b>G75-D-AL</b> <sup>2</sup>                                 | <b>G75-D-BR</b> <sup>2</sup>      |
| 1"     | <b>G100-D-AL</b> <sup>2</sup>                                | <b>G100-D-BR</b> <sup>2</sup>     |
| 1 1/4" | <b>G125-D-AL</b>   | <b>G125-D-BR</b>                  |
| 1 1/2" | <b>G150-D-AL</b>   | <b>G150-D-BR</b>                  |
| 2"     | <b>G200-D-AL</b>   | <b>G200-D-BR</b>                  |
| 2 1/2" | <b>G250-D-AL</b>   | <b>G250-D-BR</b>                  |
| 3"     | <b>G300-D-AL</b>   | <b>G300-D-BR</b>                  |
| 4"     | <b>G400-D-AL</b>   | <b>G400-D-BR</b>                  |
| 5"     | <b>G500-D-AL</b> <sup>1</sup>                                | <b>G500-D-BR</b> <sup>1</sup>     |
| 6"     | <b>G600-D-AL</b>   | ---                               |

| Size   | 316 Investment Cast Stainless Steel<br>Part # | A380 Permanent Mold Aluminum<br>with Investment Stainless Handles<br>Part # |
|--------|---|---|
| 1/2"   | <b>G50-D-SS</b> <sup>1</sup>                  | ---   |
| 3/4"   | <b>G75-D-SS</b>                               | ---   |
| 1"     | <b>G100-D-SS</b>                              | ---   |
| 1 1/4" | <b>G125-D-SS</b>                              | ---   |
| 1 1/2" | <b>G150-D-SS</b>                              | <b>G150-D-ALSI</b>  |
| 2"     | <b>G200-D-SS</b>                              | <b>G200-D-ALSI</b>  |
| 2 1/2" | <b>G250-D-SS</b>                              | ---   |
| 3"     | <b>G300-D-SS</b>                              | <b>G300-D-ALSI</b>  |
| 4"     | <b>G400-D-SS</b>                              | <b>G400-D-ALSI</b>  |
| 6"     | <b>G600-D-SS</b>                              | ---   |



316 investment cast stainless steel

<sup>1</sup> No standard exists for the 1/2" and 5", and generally these sizes do not interchange with other manufacturers.

<sup>2</sup> stainless steel handles

## Global Type E Adapters

### adapter x hose shank

**Features:**

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part



A380 permanent mold aluminum

| Size   | A380 Permanent Mold Aluminum Part # | ASTMC38000 Forged Brass Part # | 316 Investment Cast Stainless Steel Part # |
|--------|-------------------------------------|--------------------------------|--|
| 1/2"   | <b>G50-E-AL</b> <sup>1</sup>        | <b>G50-E-BR</b> <sup>1</sup>   | <b>G50-E-SS</b> <sup>1</sup>               |
| 3/4"   | <b>G75-E-AL</b>                     | <b>G75-E-BR</b>                | <b>G75-E-SS</b>                            |
| 1"     | <b>G100-E-AL</b>                    | <b>G100-E-BR</b>               | <b>G100-E-SS</b>                           |
| 1 1/4" | <b>G125-E-AL</b>                    | <b>G125-E-BR</b>               | <b>G125-E-SS</b>                           |
| 1 1/2" | <b>G150-E-AL</b>                    | <b>G150-E-BR</b>               | <b>G150-E-SS</b>                           |
| 2"     | <b>G200-E-AL</b>                    | <b>G200-E-BR</b>               | <b>G200-E-SS</b>                           |
| 2 1/2" | <b>G250-E-AL</b>                    | <b>G250-E-BR</b>               | <b>G250-E-SS</b>                           |
| 3"     | <b>G300-E-AL</b>                    | <b>G300-E-BR</b>               | <b>G300-E-SS</b>                           |
| 4"     | <b>G400-E-AL</b>                    | <b>G400-E-BR</b>               | <b>G400-E-SS</b>                           |
| 5"     | <b>G500-E-AL</b> <sup>1</sup>       | <b>G500-E-BR</b> <sup>1</sup>  | ---  |
| 6"     | <b>G600-E-AL</b>                    | ---                            | <b>G600-E-SS</b>                           |
| 8"     | <b>G800-E-AL</b> <sup>1</sup>       | ---                            | ---  |

<sup>1</sup> No standard exists for the 1/2", 5" and 8", and generally these sizes do not interchange with other manufacturers.

## Global Type F Adapters

### adapter x male NPT

**Features:**

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part



ASTMC38000 forged brass

| Size   | A380 Permanent Mold Aluminum Part # | ASTMC38000 Forged Brass Part # | 316 Investment Cast Stainless Steel Part # |
|--------|-------------------------------------|--------------------------------|--|
| 1/2"   | <b>G50-F-AL</b> <sup>1</sup>        | <b>G50-F-BR</b> <sup>1</sup>   | <b>G50-F-SS</b> <sup>1</sup>               |
| 3/4"   | <b>G75-F-AL</b>                     | <b>G75-F-BR</b>                | <b>G75-F-SS</b>                            |
| 1"     | <b>G100-F-AL</b>                    | <b>G100-F-BR</b>               | <b>G100-F-SS</b>                           |
| 1 1/4" | <b>G125-F-AL</b>                    | <b>G125-F-BR</b>               | <b>G125-F-SS</b>                           |
| 1 1/2" | <b>G150-F-AL</b>                    | <b>G150-F-BR</b>               | <b>G150-F-SS</b>                           |
| 2"     | <b>G200-F-AL</b>                    | <b>G200-F-BR</b>               | <b>G200-F-SS</b>                           |
| 2 1/2" | <b>G250-F-AL</b>                    | <b>G250-F-BR</b>               | <b>G250-F-SS</b>                           |
| 3"     | <b>G300-F-AL</b>                    | <b>G300-F-BR</b>               | <b>G300-F-SS</b>                           |
| 4"     | <b>G400-F-AL</b>                    | <b>G400-F-BR</b>               | <b>G400-F-SS</b>                           |
| 5"     | <b>G500-F-AL</b> <sup>1</sup>       | <b>G500-F-BR</b> <sup>1</sup>  | ---  |
| 6"     | <b>G600-F-AL</b>                    | ---                            | <b>G600-F-SS</b>                           |

<sup>1</sup> No standard exists for the 1/2" and 8", and generally these sizes do not interchange with other manufacturers.

## Global Type DC Dust Caps

## Features:

- interchanges with all products produced to A-A-59326D
- Buna seals are standard
- *Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons*



| Size   | A380 Permanent Mold Aluminum<br>with Brass Handles<br>Part # | ASTMC38000 Forged Brass<br>Part # |
|--------|--|-----------------------------------|
| 1/2"   | <b>G50-DC-AL</b> <sup>1,2</sup>                              | <b>G50-DC-BR</b> <sup>1,2</sup>   |
| 3/4"   | <b>G75-DC-AL</b> <sup>2</sup>                                | <b>G75-DC-BR</b> <sup>2</sup>     |
| 1"     | <b>G100-DC-AL</b> <sup>2</sup>                               | <b>G100-DC-BR</b> <sup>2</sup>    |
| 1 1/4" | <b>G125-DC-AL</b>  | <b>G125-DC-BR</b>                 |
| 1 1/2" | <b>G150-DC-AL</b>  | <b>G150-DC-BR</b>                 |
| 2"     | <b>G200-DC-AL</b>  | <b>G200-DC-BR</b>                 |
| 2 1/2" | <b>G250-DC-AL</b>  | <b>G250-DC-BR</b>                 |
| 3"     | <b>G300-DC-AL</b>  | <b>G300-DC-BR</b>                 |
| 4"     | <b>G400-DC-AL</b>  | <b>G400-DC-BR</b>                 |
| 5"     | <b>G500-DC-AL</b> <sup>1</sup>                               | <b>G500-DC-BR</b> <sup>1</sup>    |
| 6"     | <b>G600-DC-AL</b>  | ---                               |

| Size   | 316 Investment Cast Stainless Steel<br>Part # | A380 Permanent Mold Aluminum<br>with Investment Stainless Handles<br>Part # |
|--------|---|---|
| 1/2"   | <b>G50-DC-SS</b> <sup>1</sup>                 | ---   |
| 3/4"   | <b>G75-DC-SS</b>                              | ---   |
| 1"     | <b>G100-DC-SS</b>                             | ---   |
| 1 1/4" | <b>G125-DC-SS</b>                             | ---   |
| 1 1/2" | <b>G150-DC-SS</b>                             | <b>G150-DC-ALSI</b>   |
| 2"     | <b>G200-DC-SS</b>                             | <b>G200-DC-ALSI</b>   |
| 2 1/2" | <b>G250-DC-SS</b>                             | ---   |
| 3"     | <b>G300-DC-SS</b>                             | <b>G300-DC-ALSI</b>   |
| 4"     | <b>G400-DC-SS</b>                             | <b>G400-DC-ALSI</b>   |
| 6"     | <b>G600-DC-SS</b>                             | ---   |

<sup>1</sup> No standard exists for the 1/2" and 5", and generally these sizes do not interchange with other manufacturers.

<sup>2</sup> stainless steel handles



A380 permanent mold aluminum

Cam &amp; Groove

## Global Type DP Dust Plugs

## Features:

- interchanges with all products produced to A-A-59326D
- Buna seals are standard
- *Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons*



| Size   | A380 Permanent<br>Mold Aluminum<br>Part # | ASTMC38000<br>Forged Brass<br>Part # | 316 Investment<br>Cast Stainless Steel<br>Part # |
|--------|---|--------------------------------------|--|
| 1/2"   | <b>G50-DP-AL</b> <sup>1</sup>             | <b>G50-DP-BR</b> <sup>1</sup>        | <b>G50-DP-SS</b> <sup>1</sup>                    |
| 3/4"   | <b>G75-DP-AL</b>                          | <b>G75-DP-BR</b>                     | <b>G75-DP-SS</b>                                 |
| 1"     | <b>G100-DP-AL</b>                         | <b>G100-DP-BR</b>                    | <b>G100-DP-SS</b>                                |
| 1 1/4" | <b>G125-DP-AL</b>                         | <b>G125-DP-BR</b>                    | <b>G125-DP-SS</b>                                |
| 1 1/2" | <b>G150-DP-AL</b>                         | <b>G150-DP-BR</b>                    | <b>G150-DP-SS</b>                                |
| 2"     | <b>G200-DP-AL</b>                         | <b>G200-DP-BR</b>                    | <b>G200-DP-SS</b>                                |
| 2 1/2" | <b>G250-DP-AL</b>                         | <b>G250-DP-BR</b>                    | <b>G250-DP-SS</b>                                |
| 3"     | <b>G300-DP-AL</b>                         | <b>G300-DP-BR</b>                    | <b>G300-DP-SS</b>                                |
| 4"     | <b>G400-DP-AL</b>                         | <b>G400-DP-BR</b>                    | <b>G400-DP-SS</b>                                |
| 5"     | <b>G500-DP-AL</b> <sup>1</sup>            | <b>G500-DP-BR</b> <sup>1</sup>       | ---  |
| 6"     | <b>G600-DP-AL</b>                         | ---                                  | <b>G600-DP-SS</b>                                |



A380 permanent mold aluminum

<sup>1</sup> No standard exists for the 1/2" and 5", and generally these sizes do not interchange with other manufacturers.



## Global Type DA Jump Size Couplings

### coupler x adapter

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A380 permanent mold aluminum

**Features:**

- interchanges with all products produced to A-A-59326D
- Buna seals standard
- pressure rating for adapters is based on the seal of the mating part

| Size    | A380 Permanent Mold Aluminum<br>Part # | 316 Investment Cast Stainless Steel<br>Part # |
|---------|--|---|
| 2" x 3" | <b>G2030-DA-AL</b>                     | ---   |
| 3" x 2" | <b>G3020-DA-AL</b>                     | <b>G3020-DA-SS</b>                            |
| 3" x 4" | <b>G3040-DA-AL</b>                     | ---   |
| 4" x 3" | <b>G4030-DA-AL</b>                     | <b>G4030-DA-SS</b>                            |
| 5" x 4" | <b>G5040-DA-AL</b>                     | ---   |
| 6" X 4" | <b>G6040-DA-AL</b>                     | ---   |

## Global Type AA Spool Adapters

### adapter x adapter



A380 permanent mold aluminum



A380 permanent mold aluminum

**Features:**

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part

| Size     | A380 Permanent Mold Aluminum<br>Part # | 316 Investment Cast Stainless Steel<br>Part # |
|----------|--|---|
| 1"       | <b>G100-AA-AL</b>                      | ---   |
| 1½"      | <b>G150-AA-AL</b>                      | <b>G150-AA-SS</b>                             |
| 1½" x 2" | <b>G1520-AA-AL</b>                     | ---   |
| 2"       | <b>G200-AA-AL</b>                      | <b>G200-AA-SS</b>                             |
| 2" x 3"  | <b>G2030-AA-AL</b>                     | <b>G2030-AA-SS</b>                            |
| 3"       | <b>G300-AA-AL</b>                      | <b>G300-AA-SS</b>                             |
| 3" x 4"  | <b>G3040-AA-AL</b>                     | ---   |
| 4"       | <b>G400-AA-AL</b>                      | <b>G400-AA-SS</b>                             |

## Global Type DD Couplers

### coupler x coupler



A380 permanent mold aluminum

**Features:**

- interchanges with all products produced to A-A-59326D
- Buna seals standard

| Size | A380 Permanent Mold Aluminum<br>Part # | 316 Investment Cast Stainless Steel<br>Part # |
|------|--|---|
| 2"   | <b>G200-DD-AL</b>                      | <b>G200-DD-SS</b>                             |
| 3"   | <b>G300-DD-AL</b>                      | <b>G300-DD-SS</b>                             |
| 4"   | <b>G400-DD-AL</b>                      | <b>G400-DD-SS</b>                             |

## Global Type A Jump Size Adapters adapter x female NPT

**Features:**

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part

| Size    | A380 Permanent Mold Aluminum<br>Part # |
|---------|--|
| 3" x 2" | <b>G3020-A-AL</b>                      |
| 4" x 3" | <b>G4030-A-AL</b>                      |



Cam &amp; Groove

## Global Type C Jump Size Couplers coupler x hose shank

**Features:**

- interchanges with all products produced to A-A-59326D
- Buna seals standard

| Size    | A380 Permanent Mold Aluminum<br>Part # |
|---------|--|
| 3" x 2" | <b>G3020-C-AL</b>                      |
| 4" x 3" | <b>G4030-C-AL</b>                      |



C

## Global Type E Jump Size Adapters adapter x hose shank

**Features:**

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part

| Size    | A380 Permanent Mold Aluminum<br>Part # |
|---------|--|
| 3" x 2" | <b>G3020-E-AL</b>                      |
| 4" x 3" | <b>G4030-E-AL</b>                      |



- see page 110 for Global Crimp Type E adapters

## Global Adapter x TTMA Flange

**Features:**

- interchange with all products produced to A-A-59326D
- Buna seals are standard
- pressure rating for adapters is based on the seal of the mating part

| Size | 356T6 Aluminum<br>Part # |
|------|--------------------------|
| 4"   | <b>G400-ALT-AL</b>       |



## Global Coupler x TTMA Flange

| Size | 356T6 Aluminum<br>Part # |
|------|--------------------------|
| 4"   | <b>G400-DLT-AL</b>       |



- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

**NEW**

## Global Adapter x ANSI Flange

| Size | Aluminum<br>Part # |
|------|--------------------|
| 4"   | <b>G400-AL-AL</b>  |
| 6"   | <b>G600-AL-AL</b>  |



## Global Coupler x ANSI Flange

| Size | Aluminum<br>Part # |
|------|--------------------|
| 4"   | <b>G400-DL-AL</b>  |
| 6"   | <b>G600-DL-AL</b>  |

## Handles for Aluminum / Brass Global Couplers

**Feature:**

- supplied complete with ring and pin



| Fits on<br>sizes          | Investment Stainless<br>Part #                          |
|---------------------------|---|
| ½", ¾"<br>1"              | <b>G75HRP</b><br><b>G100HRP</b>                         |
| 1½" & 2"<br>3" - 5"<br>6" | <b>G152HRPSI</b><br><b>G34HRPSI</b><br><b>G600HRPSI</b> |



| Fits on<br>sizes                  | Forged Brass<br>Part #                            |
|-----------------------------------|---|
| 1¼" - 2½"<br>3" - 5"<br>6" and 8" | <b>G152HRP</b><br><b>G34HRP</b><br><b>G600HRP</b> |

- Global Dixon handle assemblies are to only be used with global Dixon parts (not domestic). Handles do not interchange with other manufacturer's handles or couplers.



## Handles for Stainless Global Couplers

**Feature:**

- supplied complete with ring and pin



| Fits on<br>sizes           | Investment Stainless<br>Part #                                 |
|----------------------------|--|
| ½", ¾"<br>1"               | <b>G75HRPSS</b><br><b>G100HRPSS</b>                            |
| 1¼" - 2½"<br>3" - 5"<br>6" | <b>G125250HRPSS</b><br><b>G300400HRPSS</b><br><b>G600HRPSS</b> |

- Global Dixon handle assemblies are to only be used with global Dixon parts (not domestic). Handles do not interchange with other manufacturer's handles or couplers.



## Safety Clip for Global Couplers



| Zinc Plated Carbon Steel<br>Part # | Bag Qty |
|------------------------------------|---------|
| <b>GSAFETYCLIP</b>                 | 25      |

## Cam and Groove x NST

**Features:**

- powder coated aluminum adapter
- for suction and low pressure discharge only
- other sizes, configurations and materials available, contact Dixon® for information

**Type A x Female NST (NH)**

| Adapter Size | Female NST (NH) Thread | Aluminum Part #     |
|--------------|------------------------|---------------------|
| 1½"          | 1½"                    | <b>G150-A-ALNST</b> |
| 2½"          | 2½"                    | <b>G250-A-ALNST</b> |
| 3"           | 2½"                    | <b>3025-A-ALNST</b> |



Cam &amp; Groove

**Type B x Male NST (NH)****Feature:**

- Buna seals standard

| Coupler Size | Male NST (NH) Thread | Aluminum Part #     |
|--------------|----------------------|---------------------|
| 1½"          | 1½"                  | <b>G150-B-ALNST</b> |
| 2"           | 1½"                  | <b>2015-B-ALNST</b> |
| 2½"          | 2½"                  | <b>G250-B-ALNST</b> |
| 3"           | 2½"                  | <b>3025-B-ALNST</b> |

**Type D x Female NST (NH)****Feature:**

- Buna seals standard

| Coupler Size | Female NST (NH) Thread | Aluminum Part #     |
|--------------|------------------------|---------------------|
| 1½"          | 1½"                    | <b>G150-D-ALNST</b> |
| 2"           | 2½"                    | <b>2025-D-ALNST</b> |
| 2½"          | 2½"                    | <b>G250-D-ALNST</b> |
| 3"           | 2½"                    | <b>3025-D-ALNST</b> |

**Type F x Male NST (NH)**

| Adapter Size | Male NST (NH) Thread | Aluminum Part #     |
|--------------|----------------------|---------------------|
| 1½"          | 1½"                  | <b>G150-F-ALNST</b> |
| 2"           | 2½"                  | <b>2025-F-ALNST</b> |
| 2½"          | 2½"                  | <b>G250-F-ALNST</b> |
| 3"           | 2½"                  | <b>3025-F-ALNST</b> |




## Type A Adapters

adapter x female NPT

Cam &amp; Groove



## Features:


- maximum operating pressure: **125 PSI** ( $\frac{1}{2}$ " - 1"), **100 PSI** ( $1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with  $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are  $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with  $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are  $1\frac{1}{4}$ "
- NOT recommended for use with PTFE gaskets. NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings. 

| Size                                | Glass-Filled Polypropylene Part # | Optional Qty |
|-------------------------------------|-----------------------------------|--------------|
| $\frac{3}{4}$ " x $\frac{1}{2}$ "   | <b>PPA50</b>                      | 24           |
| $\frac{3}{4}$ "                     | <b>PPA75</b>                      | 24           |
| 1"                                  | <b>PPA100</b>                     | 24           |
| $1\frac{1}{2}$ " x $1\frac{1}{4}$ " | <b>PPA125</b>                     | 24           |
| $1\frac{1}{2}$ "                    | <b>PPA150</b>                     | 24           |
| 2"                                  | <b>PPA200</b>                     | 24           |
| 3"                                  | <b>PPA300</b>                     | 24           |
| 4"                                  | <b>PPA400</b>                     | 8            |

## Type B Couplers

coupler x male NPT

## Features:

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **125 PSI** ( $\frac{1}{2}$ " - 1"), **100 PSI** ( $1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with  $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are  $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with  $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are  $1\frac{1}{4}$ "
- replacements: gasket use EPR on page 168, key rings use **R200SS** on page 171, safety clip use **GSAFETYCLIP** on page 182
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings. 




| Size                                | Glass-Filled Polypropylene Part # | Optional Qty |
|-------------------------------------|-----------------------------------|--------------|
| $\frac{3}{4}$ " x $\frac{1}{2}$ "   | <b>PPB50</b>                      | 24           |
| $\frac{3}{4}$ "                     | <b>PPB75</b>                      | 24           |
| 1"                                  | <b>PPB100</b>                     | 24           |
| $1\frac{1}{2}$ " x $1\frac{1}{4}$ " | <b>PPB125</b>                     | 24           |
| $1\frac{1}{2}$ "                    | <b>PPB150</b>                     | 24           |
| 2"                                  | <b>PPB200</b>                     | 24           |
| 3"                                  | <b>PPB300</b>                     | 24           |
| 4"                                  | <b>PPB400<sup>1</sup></b>         | 8            |

<sup>1</sup> 4" coupler has 4 handles

## Type C Couplers

### coupler x hose shank

#### Features:

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **125 PSI** ( $\frac{1}{2}$ " - 1"), **100 PSI** ( $1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with  $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are  $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with  $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are  $1\frac{1}{4}$ "
- replacements: gasket use EPR on page 168, pull rings use **R200SS** on page 171, safety clip use **GSAFETYCLIP** on page 182
- NOT recommended for use with PTFE gaskets. Polypropylene cam and groove should not be mixed with metal fittings. 

| Size                                | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|-------------------------------------|--------------------------------------|-----------------|
| $\frac{3}{4}$ " x $\frac{1}{2}$ "   | <b>PPC50</b>                         | 24              |
| $\frac{3}{4}$ "                     | <b>PPC75</b>                         | 24              |
| 1"                                  | <b>PPC100</b>                        | 24              |
| $1\frac{1}{2}$ " x $1\frac{1}{4}$ " | <b>PPC125</b>                        | 24              |
| $1\frac{1}{2}$ "                    | <b>PPC150</b>                        | 24              |
| 2"                                  | <b>PPC200</b>                        | 24              |
| 3"                                  | <b>PPC300</b>                        | 24              |
| 4"                                  | <b>PPC400</b> <sup>1</sup>           | 8               |

<sup>1</sup> 4" coupler has 4 handles




Cam &amp; Groove

C

## Type D Couplers

### coupler x female NPT

#### Features:

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **125 PSI** ( $\frac{1}{2}$ " - 1"), **100 PSI** ( $1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with  $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are  $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with  $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are  $1\frac{1}{4}$ "
- replacements: gasket use EPR on page 168, pull rings use **R200SS** on page 171, safety clip use **GSAFETYCLIP** on page 182
- NOT recommended for use with PTFE gaskets. Polypropylene cam and groove should not be mixed with metal fittings. 

| Size                                | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|-------------------------------------|--------------------------------------|-----------------|
| $\frac{3}{4}$ " x $\frac{1}{2}$ "   | <b>PPD50</b>                         | 24              |
| $\frac{3}{4}$ "                     | <b>PPD75</b>                         | 24              |
| 1"                                  | <b>PPD100</b>                        | 24              |
| $1\frac{1}{2}$ " x $1\frac{1}{4}$ " | <b>PPD125</b>                        | 24              |
| $1\frac{1}{2}$ "                    | <b>PPD150</b>                        | 24              |
| 2"                                  | <b>PPD200</b>                        | 24              |
| 3"                                  | <b>PPD300</b>                        | 24              |
| 4"                                  | <b>PPD400</b> <sup>1</sup>           | 8               |

<sup>1</sup> 4" coupler has 4 handles






## Type E Adapters

### adapter x hose shank

#### Features:

- maximum operating pressure: **125 PSI** ( $\frac{1}{2}$ " - 1"), **100 PSI** ( $1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with  $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are  $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with  $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are  $1\frac{1}{4}$ "
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings. 




| Size                                | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|-------------------------------------|--------------------------------------|-----------------|
| $\frac{3}{4}$ " x $\frac{1}{2}$ "   | <b>PPE50</b>                         | 24              |
| $\frac{3}{4}$ "                     | <b>PPE75</b>                         | 24              |
| 1"                                  | <b>PPE100</b>                        | 24              |
| $1\frac{1}{2}$ " x $1\frac{1}{4}$ " | <b>PPE125</b>                        | 24              |
| $1\frac{1}{2}$ "                    | <b>PPE150</b>                        | 24              |
| 2"                                  | <b>PPE200</b>                        | 24              |
| 3"                                  | <b>PPE300</b>                        | 24              |
| 4"                                  | <b>PPE400</b>                        | 8               |

## Type F Adapters

### adapter x male NPT

#### Features:

- maximum operating pressure: **125 PSI** ( $\frac{1}{2}$ " - 1"), **100 PSI** ( $1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with  $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are  $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with  $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are  $1\frac{1}{4}$ "
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings. 



| Size                                | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|-------------------------------------|--------------------------------------|-----------------|
| $\frac{3}{4}$ " x $\frac{1}{2}$ "   | <b>PPF50</b>                         | 24              |
| $\frac{3}{4}$ "                     | <b>PPF75</b>                         | 24              |
| 1"                                  | <b>PPF100</b>                        | 24              |
| $1\frac{1}{2}$ " x $1\frac{1}{4}$ " | <b>PPF125</b>                        | 24              |
| $1\frac{1}{2}$ "                    | <b>PPF150</b>                        | 24              |
| 2"                                  | <b>PPF200</b>                        | 24              |
| 3"                                  | <b>PPF300</b>                        | 24              |
| 4"                                  | <b>PPF400</b>                        | 8               |

## Dust Caps and Plugs

## Features:

- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings
- supplied with EPDM gaskets, 304 stainless steel handles and pins
- replacements: gasket use EPR on page 168, key rings use **R200SS** on page 171, safety clip use **GSAFETYCLIP** on page 182

## Type H Dust Caps

| Size | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|------|--------------------------------------|-----------------|
| ¾"   | <b>PPH75</b>                         | 24              |
| 1"   | <b>PPH100</b>                        | 24              |
| 1½"  | <b>PPH150</b>                        | 24              |
| 2"   | <b>PPH200</b>                        | 24              |
| 3"   | <b>PPH300</b>                        | 24              |
| 4"   | <b>PPH400<sup>1</sup></b>            | 8               |

<sup>1</sup> 4" coupler has 4 handles



## Type P Dust Plugs


| Size | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|------|--------------------------------------|-----------------|
| ¾"   | <b>PPP75</b>                         | 24              |
| 1"   | <b>PPP100</b>                        | 24              |
| 1½"  | <b>PPP150</b>                        | 24              |
| 2"   | <b>PPP200</b>                        | 24              |
| 3"   | <b>PPP300</b>                        | 24              |
| 4"   | <b>PPP400</b>                        | 8               |





### Type A 90° Elbows adapter x female NPT


**Features:**

- maximum operating pressure: **100 PSI** (1½" - 2"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- for use at elevated temperatures or other unusual operating conditions, consult Dixon®
- NOT recommended for use with PTFE gaskets. NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings. 

| Size | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|------|--------------------------------------|-----------------|
| 1½"  | <b>90PPA150</b>                      | 24              |
| 2"   | <b>90PPA200</b>                      | 24              |

### Type C 90° Elbows coupler x hose shank



**Features:**

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **100 PSI** (1½" - 2"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- for use at elevated temperatures or other unusual operating conditions, consult Dixon®
- NOT recommended for use with PTFE gaskets. Polypropylene cam and groove should not be mixed with metal fittings. 

| Size | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|------|--------------------------------------|-----------------|
| 1½"  | <b>90PPC150</b>                      | 24              |
| 2"   | <b>90PPC200</b>                      | 24              |

### Type D 90° Elbows coupler x female NPT



**Features:**

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **100 PSI** (1½" - 2"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- for use at elevated temperatures or other unusual operating conditions, consult Dixon®
- NOT recommended for use with PTFE gaskets. Polypropylene cam and groove should not be mixed with metal fittings. 

| Size | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|------|--------------------------------------|-----------------|
| 1½"  | <b>90PPD150</b>                      | 24              |
| 2"   | <b>90PPD200</b>                      | 24              |

### Type F 90° Elbows adapter x male NPT


**Features:**

- maximum operating pressure: **100 PSI** (1½" - 2"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- for use at elevated temperatures or other unusual operating conditions, consult Dixon®
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings. 

| Size | Glass-Filled Polypropylene<br>Part # | Optional<br>Qty |
|------|--------------------------------------|-----------------|
| 1½"  | <b>90PPF150</b>                      | 24              |
| 2"   | <b>90PPF200</b>                      | 24              |

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## King™ Combination Nipples

**⚠ WARNING****Applications:**

- Recommended for low-pressure discharge and suction service for compatible liquids.  
**Sizes 1¼" and above are not for compressible products such as air or nitrogen.**
- **King™ Combination Nipples are not recommended for steam.**
- *The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Dixon® for recommendations.*
- In accordance with the Association for Rubber Products Manufacturers (ARPM) bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1½ times the working pressure and held for fifteen minutes without leaking or coupling movement. For additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturers (ARPM) handbook.

## NPT Threaded End with Knurled Wrench Grip



| Size | Opt Qty | Unplated Steel Part # | Plated Steel Part # | Brass Part # | Aluminum Part # |
|------|---------|-----------------------|---------------------|--------------|-----------------|
| ½"   | 50      | <b>ST1</b>            | <b>STC1</b>         | <b>BST1</b>  | <b>AST1</b>     |
| ¾"   | 50      | <b>ST5</b>            | <b>STC5</b>         | <b>BST5</b>  | <b>AST5</b>     |
| 1"   | 50      | <b>ST10</b>           | <b>STC10</b>        | <b>BST10</b> | <b>AST10</b>    |
| 1¼"  | 50      | <b>ST15</b>           | <b>STC15</b>        | ---          | ---             |
| 1½"  | 50      | <b>ST20</b>           | <b>STC20</b>        | ---          | ---             |
| 2"   | 25      | <b>ST25</b>           | <b>STC25</b>        | ---          | ---             |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## NPT Threaded End No Knurl



| Size | Opt Qty | Unplated Steel Part # | Plated Steel Part # | Brass Part # | Aluminum Part # |
|------|---------|-----------------------|---------------------|--------------|-----------------|
| 1¼"  | 50      | ---                   | ---                 | <b>BST15</b> | <b>AST15</b>    |
| 1½"  | 50      | ---                   | ---                 | <b>BST20</b> | <b>AST20</b>    |
| 2"   | 25      | ---                   | ---                 | <b>BST25</b> | <b>AST25</b>    |
| 2½"  | 10      | <b>ST30</b>           | <b>STC30</b>        | <b>BST30</b> | <b>AST30</b>    |
| 3"   | 10      | <b>ST35</b>           | <b>STC35</b>        | <b>BST35</b> | <b>AST35</b>    |
| 4"   | 4       | <b>ST40</b>           | <b>STC40</b>        | <b>BST40</b> | <b>AST40</b>    |
| 5"   | 4       | <b>ST50</b>           | <b>STC50</b>        | ---          | <b>AST50</b>    |
| 6"   | 2       | <b>ST60</b>           | <b>STC60</b>        | ---          | <b>AST60</b>    |
| 8"   | 2       | <b>ST80</b>           | <b>STC80</b>        | ---          | ---             |
| 10"  | 1       | <b>ST100</b>          | <b>STC100</b>       | ---          | ---             |
| 12"  | 1       | <b>ST120</b>          | <b>STC120</b>       | ---          | ---             |



| Size | Opt Qty | 316 Stainless Steel Part # | Hastelloy® Part # |
|------|---------|----------------------------|-------------------|
| ½"   | 50      | <b>RST1</b> <sup>1</sup>   | ---               |
| ¾"   | 50      | <b>RST5</b> <sup>1</sup>   | ---               |
| 1"   | 50      | <b>RST10</b>               | ---               |
| 1¼"  | 50      | <b>RST15</b>               | ---               |
| 1½"  | 50      | <b>RST20</b>               | ---               |
| 2"   | 25      | <b>RST25</b>               | <b>HST25</b>      |
| 2½"  | 10      | <b>RST30</b>               | ---               |
| 3"   | 10      | <b>RST35</b>               | <b>HST35</b>      |
| 4"   | 4       | <b>RST40</b>               | ---               |
| 5"   | 4       | <b>RST50</b>               | ---               |
| 6"   | 4       | <b>RST60</b>               | ---               |
| 8"   | 2       | <b>RST80</b>               | ---               |

<sup>1</sup> made from investment casting

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## King™ Combination Nipples

## Beveled End

- Beveled ends (in *brass*) are available in select sizes. Consult Dixon® for prices and availability.

| Hose ID | Unplated Steel<br>Part # | Opt<br>Qty | 316 Stainless Steel<br>Part # | Opt<br>Qty | Aluminum<br>Part # |
|---------|--------------------------|------------|-------------------------------|------------|--------------------|
| 1/2"    | <b>STB1</b>              | 50         | ---                           | --         | ---                |
| 3/4"    | <b>STB5</b>              | 50         | <b>RSTB5</b>                  | 50         | ---                |
| 1"      | <b>STB10</b>             | 50         | <b>RSTB10</b>                 | 50         | <b>ASTB10</b>      |
| 1 1/4"  | <b>STB15</b>             | 50         | <b>RSTB15</b>                 | 50         | <b>ASTB15</b>      |
| 1 1/2"  | <b>STB20</b>             | 50         | <b>RSTB20</b>                 | 50         | <b>ASTB20</b>      |
| 2"      | <b>STB25</b>             | 25         | <b>RSTB25</b>                 | 25         | <b>ASTB25</b>      |
| 2 1/2"  | <b>STB30</b>             | 10         | <b>RSTB30</b>                 | 10         | <b>ASTB30</b>      |
| 3"      | <b>STB35</b>             | 10         | <b>RSTB35</b>                 | 10         | <b>ASTB35</b>      |
| 4"      | <b>STB40</b>             | 4          | <b>RSTB40</b>                 | 4          | <b>ASTB40</b>      |
| 5"      | <b>STB50</b>             | 4          | ---                           | --         | <b>ASTB50</b>      |
| 6"      | <b>STB60</b>             | 2          | <b>RSTB60</b>                 | 4          | <b>ASTB60</b>      |
| 8"      | <b>STB80</b>             | 2          | <b>RSTB80</b>                 | 2          | <b>ASTB80</b>      |
| 10"     | <b>STB100</b>            | 1          | ---                           | --         | <b>ASTB100</b>     |
| 12"     | <b>STB120</b>            | 1          | ---                           | --         | ---                |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



## King™ Combination Nipples

## Grooved End

- Grooved ends (in *brass* and *aluminum*) are available in select sizes. Consult Dixon® for prices and availability.
- See pages 690 - 702 for our complete line of groove style fittings.

| Hose ID | Unplated Steel<br>Part # | Opt<br>Qty | 316 Stainless Steel<br>Part # | Opt<br>Qty |
|---------|--------------------------|------------|-------------------------------|------------|
| 1"      | <b>STV10</b>             | 50         | ---                           | ---        |
| 1 1/4"  | <b>STV15</b>             | 50         | ---                           | ---        |
| 1 1/2"  | <b>STV20</b>             | 50         | <b>RSTV20</b>                 | 50         |
| 2"      | <b>STV25</b>             | 25         | <b>RSTV25</b>                 | 25         |
| 2 1/2"  | <b>STV30</b>             | 10         | ---                           | ---        |
| 3"      | <b>STV35</b>             | 10         | <b>RSTV35</b>                 | 10         |
| 4"      | <b>STV40</b>             | 4          | <b>RSTV40</b>                 | 5          |
| 5"      | <b>STV50</b>             | 4          | ---                           | ---        |
| 6"      | <b>STV60</b>             | 4          | ---                           | ---        |
| 8"      | <b>STV80</b>             | 2          | ---                           | ---        |
| 10"     | <b>STV100</b>            | 1          | ---                           | ---        |
| 12"     | <b>STV120</b>            | 1          | ---                           | ---        |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



## King™ Combination Nipples

## BSPT End

| Size   | Plated Steel<br>Part # | Opt<br>Qty | 316 Stainless Steel<br>Part # | Opt<br>Qty |
|--------|------------------------|------------|-------------------------------|------------|
| 1"     | <b>STC10A</b>          | 50         | <b>RST10A</b>                 | 50         |
| 1 1/4" | <b>STC15A</b>          | 50         | <b>RST15A</b>                 | 50         |
| 1 1/2" | <b>STC20A</b>          | 50         | <b>RST20A</b>                 | 50         |
| 2"     | <b>STC25A</b>          | 50         | <b>RST25A</b>                 | 25         |
| 2 1/2" | <b>STC30A</b>          | 10         | <b>RST30A</b>                 | 10         |
| 3"     | <b>STC35A</b>          | 10         | <b>RST35A</b>                 | 10         |
| 4"     | <b>STC40A</b>          | 4          | <b>RST40A</b>                 | 4          |
| 6"     | <b>STC60A</b>          | 2          | <b>RST60A</b>                 | 2          |







reducer



increaser

## Jump Size King™ Combination Nipples

## NPT Threaded End

| Hose Shank | Male NPT               | Plated Steel<br>Part #                             | 316 Stainless Steel<br>Part #           |
|------------|------------------------|--|---|
| 3/4"       | 1/2"<br>1"             | ---<br><b>STC0510</b>                              | <b>RST0501</b><br><b>RST0510</b>        |
| 1"         | 3/4"<br>1 1/4"         | <b>STC1005</b><br><b>STC1015</b>                   | <b>RST1005</b><br><b>RST1015</b>        |
| 1 1/4"     | 1"<br>1 1/2"           | <b>STC1510</b><br><b>STC1520</b>                   | <b>RST1510</b><br><b>RST1520</b>        |
| 1 1/2"     | 1 1/4"<br>2"           | <b>STC2015</b><br><b>STC2025</b>                   | <b>RST2015</b><br><b>RST2025</b>        |
| 1 3/4"     | 2"                     | <b>STC175200</b>                                   | ---                                     |
| 2"         | 1 1/2"<br>2 1/2"<br>3" | <b>STC2520</b><br><b>STC2530</b><br><b>STC2535</b> | <b>RST2520</b><br>---<br><b>RST2535</b> |
| 2 1/2"     | 2"<br>3"               | <b>STC3025</b><br><b>STC3035</b>                   | ---                                     |
| 3"         | 2"<br>2 1/2"<br>4"     | <b>STC3525</b><br><b>STC3530</b><br><b>STC3540</b> | <b>RST3525</b><br>---<br>---            |
| 4"         | 3"                     | <b>STC4035</b>                                     | ---                                     |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## King™ Combination Nipples for Plastic Pipe

## NPT Threaded End



| Size   | Plated Steel<br>Part # | Optional<br>Qty |
|--------|------------------------|-----------------|
| 1/2"   | <b>SAP1</b>            | 50              |
| 3/4"   | <b>SAP6</b>            | 50              |
| 1"     | <b>SAP11</b>           | 50              |
| 1 1/4" | <b>SAP16</b>           | 50              |
| 1 1/2" | <b>SAP21</b>           | 50              |
| 2"     | <b>SAP26</b>           | 25              |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Global King™ Combination Nipples

## NPT Threaded End

**⚠ WARNING****Features:**

- Combination nipples are recommended for low-pressure discharge and suction service for compatible liquids. **Sizes 1 1/4" and above are not for compressible products such as air or nitrogen.**
- **Global King™ Combination Nipples are not recommended for steam.**
- *The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Dixon® for recommendations.*
- In accordance with the Association for Rubber Products Manufacturers (ARPM) bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1 1/2 times the working pressure and held for fifteen minutes without leaking or coupling movement. For additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturers (ARPM) handbook.



| Size   | Plated Steel<br>Part # | Opt<br>Qty |
|--------|------------------------|------------|
| 1/2"   | <b>GSTC1</b>           | 100        |
| 3/4"   | <b>GSTC5</b>           | 100        |
| 1"     | <b>GSTC10</b>          | 50         |
| 1 1/4" | <b>GSTC15</b>          | 50         |
| 1 1/2" | <b>GSTC20</b>          | 50         |
| 2"     | <b>GSTC25</b>          | 25         |
| 2 1/2" | <b>GSTC30</b>          | 10         |
| 3"     | <b>GSTC35</b>          | 10         |
| 4"     | <b>GSTC40</b>          | 4          |
| 5"     | <b>GSTC50</b>          | 4          |
| 6"     | <b>GSTC60</b>          | 4          |

## Flanged King™ Combination Nipples 150# ASA

| Size | Steel<br>Part # | 316 Stainless Steel<br>Part # |
|------|-----------------|-------------------------------|
| 1½"  | <b>FST20</b>    | <b>RFST20</b>                 |
| 2"   | <b>FST25</b>    | <b>RFST25</b>                 |
| 3"   | <b>FST35</b>    | <b>RFST35</b>                 |
| 4"   | <b>FST40</b>    | <b>RFST40</b>                 |
| 6"   | <b>FST60</b>    | <b>RFST60</b>                 |
| 8"   | <b>FST80</b>    | <b>RFST80</b>                 |
| 10"  | <b>FST100</b>   | <b>RFST100</b>                |
| 12"  | <b>FST120</b>   | <b>RFST120</b>                |

- For flange dimensions, diagrams and additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



Industrial Hose  
Fittings

## King™ Turned Back Hose Nipples for Floating Flanges

### Features:

- A turned back nipple, when used in a floating flange assembly, allows the flange to be aligned without stressing (twisting) the hose. This generally increases the hose's service life by eliminating a common cause of premature hose failure.
- for use with Lap Joint flanges shown on page 688

| Size | Plated Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # |
|------|-------------------------------|-------------------------------|
| 1"   | <b>N10</b>                    | <b>RN10</b>                   |
| 1¼"  | <b>N15</b>                    | <b>RN15</b>                   |
| 1½"  | <b>N20</b>                    | <b>RN20</b>                   |
| 2"   | <b>N25</b>                    | <b>RN25</b>                   |
| 2½"  | <b>N30</b>                    | <b>RN30</b>                   |
| 3"   | <b>N35</b>                    | <b>RN35</b>                   |
| 4"   | <b>N40</b>                    | <b>RN40</b>                   |
| 6"   | <b>N60</b>                    | <b>RN60</b>                   |
| 8"   | <b>N80</b>                    | <b>RN80</b>                   |
| 10"  | <b>N100</b>                   | <b>RN100</b>                  |
| 12"  | <b>N120</b>                   | <b>RN120</b>                  |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



## Notched Turned Back Nipples

## Features:

- When used with an appropriate notched ferrule, these fittings can be swaged or crimped onto hose providing improved shank retention.
- When used with double bolt or band clamps, notched turn back nipples provide shank retention similar to that of the King™ turned back nipples.
- The stem can be removed from a damaged hose by cutting away the ferrule without necessarily damaging the fitting.
- For use with lap joint flanges on page 688.



Special pushers required:

1½" stem - RN150NOPUSH

2" stem - RN200NOPUSH

2½" stem - RN250NOPUSH

3" stem - RN300NOPUSH

4" stem - RN400NOPUSH

| Size | Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # |
|------|------------------------|-------------------------------|
| 1½"  | <b>N150NO</b>          | <b>RN150NO</b>                |
| 2"   | <b>N200NO</b>          | <b>RN200NO</b>                |
| 2½"  | <b>N250NO</b>          | <b>RN250NO</b>                |
| 3"   | <b>N300NO</b>          | <b>RN300NO</b>                |
| 4"   | <b>N400NO</b>          | <b>RN400NO</b>                |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Notched Ferrules

- reference notched shanks above and adapters on page 143
- Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products.



| Size | Hose OD  |          | 304 Stainless Steel<br>Part # |
|------|----------|----------|-------------------------------|
|      | From     | To       |                               |
| 1½"  | 1-60/64" | 2-12/64" | <b>GAS2334NO</b>              |
|      | 2-4/64"  | 2-22/64" | <b>GAS2370NO</b>              |
| 2"   | 2-30/64" | 2-44/64" | <b>GAS2709NO</b>              |
|      | 2-42/64" | 2-54/64" | <b>GAS2885NO</b>              |
| 2½"  | 2-54/64" | 3"       | <b>GAS3012NO</b>              |
|      | 3-1/64"  | 3-13/64" | <b>GAS3260NO</b>              |
| 3"   | 3-30/64" | 3-46/64" | <b>GAS3760NO</b>              |
|      | 3-47/64" | 3-54/64" | <b>GAS3885NO</b>              |
| 4"   | 4-40/64" | 4-47/64" | <b>GAS5010NO</b>              |

## PF Shank King™ Combination Nipples

## NPT Threaded End

## Application:

- This shank design was developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes, where shank retention can be a problem when using conventional band clamps.

## Features:

- PF shank King™ Combination nipples have the same shank pattern as found on the PF style cam and groove fittings sold on page 142.
- recommended for discharge and suction service
- Not intended for compressed air**
- working pressure is given at 70°F (21°C) maximum
- The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Dixon® for recommendations.

| Size | Working PSI | Plated Steel Part # | 316 Stainless Steel Part # |
|------|-------------|---------------------|----------------------------|
| 2"   | 250         | ST25PF              | RST25PF                    |
| 3"   | 125         | ST35PF              | RST35PF                    |
| 4"   | 100         | ST40PF              | RST40PF                    |
| 6"   | 75          | ST60PF              | RST60PF                    |

- Beveled ends for welding are also available. Contact Dixon® for further information.
- For additional information on pipe dimensions please reference dixonvalve.com.



## External Swage Notched NOS Stems

**⚠ WARNING**

The notched system allows you to better manage your inventories. You can stock one stem and two ferrules, and cover the same hose range with less inventory. *You must purchase a fitting and the matching ferrule to create an assembly.*

## Features:

- For hose outside diameters of 2-4/64" and below, *couplings are crimp only.*
- For hose outside diameters of 2-5/64" and above, couplings can be crimped or swaged.
- See page 144 for cam and groove style notched NOS fittings.



**Only use the NOS shank with the NOS ferrules.** Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® Holedall™ products.

| Size | PSI | 316 Stainless Steel Part # |
|------|-----|----------------------------|
| 1½"  | 250 | RST150NOS                  |
| 2"   | 250 | RST200NOS                  |
| 3"   | 250 | RST300NOS                  |
| 4"   | 1   | RST400NOS                  |

<sup>1</sup> Contact Dixon® for pressure information



## Notched NOS Ferrules

- reference notched shanks above and adapters on page 144

| Size | Hose OD  |          | 304 Stainless Steel Part # |
|------|----------|----------|----------------------------|
|      | From     | To       |                            |
| 1½"  | 1-60/64" | 2-12/64" | GAS2334NOS                 |
|      | 2-4/64"  | 2-22/64" | GAS2370NOS                 |
| 2"   | 2-30/64" | 2-44/64" | GAS2709NOS                 |
|      | 2-42/64" | 2-54/64" | GAS2885NOS                 |
| 3"   | 3-30/64" | 3-46/64" | GAS3760NOS                 |
|      | 3-47/64" | 3-54/64" | GAS3885NOS                 |
| 4"   | 4-40/64" | 4-47/64" | GAS5010NOS                 |



## Short Crimp Sleeves

## Features:

- for use with King™ Combination Nipples only
- a reliable alternative to band clamps
- not for use with Dixon® King Crimp™ Style Shanks



| Hose ID | Hose OD  |          | Sleeve ID | Sleeve Wall Thickness | Sleeve Overall Length | Carbon Steel Part # |
|---------|----------|----------|-----------|-----------------------|-----------------------|---------------------|
| 3/4"    | 1-5/64"  | 1-8/64"  | 1.1875"   | .059"                 | 1.25"                 | <b>CSS075-3CS</b>   |
|         | 1-5/64"  | 1-8/64"  | 1.1875"   | .059"                 | 2.138"                | <b>CS075-3CS</b>    |
|         | 1-9/64"  | 1-12/64" | 1.250"    | .059"                 | 1.25"                 | <b>CSS075-4CS</b>   |
|         | 1-9/64"  | 1-12/64" | 1.250"    | .059"                 | 2.138"                | <b>CS075-4CS</b>    |
|         | 1-17/64" | 1-20/64" | 1.375"    | .059"                 | 1.25"                 | <b>CSS075-6CS</b>   |
|         | 1-17/64" | 1-20/64" | 1.375"    | .059"                 | 2.138"                | <b>CS075-6CS</b>    |
| 1"      | 1-21/64" | 1-24/64" | 1.438"    | .062"                 | 1½"                   | <b>CSS100-3CS</b>   |
|         | 1-25/64" | 1-28/64" | 1.500"    | .062"                 | 1½"                   | <b>CSS100-4CS</b>   |
|         | 1-29/64" | 1-32/64" | 1.563"    | .062"                 | 1½"                   | <b>CSS100-5CS</b>   |
|         | 1-33/64" | 1-36/64" | 1.625"    | .062"                 | 1½"                   | <b>CSS100-6CS</b>   |
|         | 1-37/64" | 1-40/64" | 1.688"    | .062"                 | 1½"                   | <b>CSS100-7CS</b>   |
|         | 1-41/64" | 1-44/64" | 1.750"    | .062"                 | 1½"                   | <b>CSS100-8CS</b>   |
| 1½"     | 1-41/64" | 1-44/64" | 1.750"    | .062"                 | 1¾"                   | <b>CSS150-1CS</b>   |
|         | 1-45/64" | 1-48/64" | 1.813"    | .062"                 | 1¾"                   | <b>CSS150-2CS</b>   |
|         | 1-49/64" | 1-52/64" | 1.875"    | .062"                 | 1¾"                   | <b>CSS150-3CS</b>   |
|         | 1-53/64" | 1-56/64" | 1.938"    | .062"                 | 1¾"                   | <b>CSS150-4CS</b>   |
|         | 1-57/64" | 1-60/64" | 2.000"    | .062"                 | 1¾"                   | <b>CSS150-5CS</b>   |
|         | 1-61/64" | 2"       | 2.063"    | .062"                 | 1¾"                   | <b>CSS150-6CS</b>   |
|         | 2-1/64"  | 2-4/64"  | 2.125"    | .062"                 | 1¾"                   | <b>CSS150-7CS</b>   |
|         | 2-5/64"  | 2-8/64"  | 2.188"    | .062"                 | 1¾"                   | <b>CSS150-8CS</b>   |
|         | 2-9/64"  | 2-12/64" | 2.250"    | .062"                 | 1¾"                   | <b>CSS150-9CS</b>   |
| 2"      | 2-21/64" | 2-24/64" | 2.438"    | .062"                 | 2"                    | <b>CSS200-3CS</b>   |
|         | 2-25/64" | 2-28/64" | 2.500"    | .062"                 | 2"                    | <b>CSS200-4CS</b>   |
|         | 2-29/64" | 2-32/64" | 2.563"    | .062"                 | 2"                    | <b>CSS200-5CS</b>   |
|         | 2-33/64" | 2-36/64" | 2.625"    | .062"                 | 2"                    | <b>CSS200-6CS</b>   |
|         | 2-37/64" | 2-40/64" | 2.688"    | .062"                 | 2"                    | <b>CSS200-7CS</b>   |
|         | 2-41/64" | 2-44/64" | 2.750"    | .062"                 | 2"                    | <b>CSS200-8CS</b>   |
|         | 2-45/64" | 2-48/64" | 2.813"    | .062"                 | 2"                    | <b>CSS200-9CS</b>   |
|         | 2-49/64" | 2-52/64" | 2.875"    | .062"                 | 2"                    | <b>CSS200-10CS</b>  |
|         | 2-53/64" | 2-56/64" | 2.938"    | .062"                 | 2"                    | <b>CSS200-11CS</b>  |
|         | 2-57/64" | 2-60/64" | 3.000"    | .062"                 | 2"                    | <b>CSS200-12CS</b>  |
| 3"      | 3-13/64" | 3-16/64" | 3.313"    | .090"                 | 2⅝"                   | <b>CSS300-1CS</b>   |
|         | 3-17/64" | 3-20/64" | 3.375"    | .090"                 | 2⅝"                   | <b>CSS300-2CS</b>   |
|         | 3-21/64" | 3-24/64" | 3.438"    | .090"                 | 2⅝"                   | <b>CSS300-3CS</b>   |
|         | 3-25/64" | 3-28/64" | 3.500"    | .090"                 | 2⅝"                   | <b>CSS300-4CS</b>   |
|         | 3-29/64" | 3-32/64" | 3.563"    | .090"                 | 2⅝"                   | <b>CSS300-5CS</b>   |
|         | 3-33/64" | 3-36/64" | 3.625"    | .090"                 | 2⅝"                   | <b>CSS300-6CS</b>   |
|         | 3-37/64" | 3-40/64" | 3.688"    | .090"                 | 2⅝"                   | <b>CSS300-7CS</b>   |
|         | 3-41/64" | 3-44/64" | 3.750"    | .090"                 | 2⅝"                   | <b>CSS300-8CS</b>   |
|         | 3-45/64" | 3-48/64" | 3.813"    | .090"                 | 2⅝"                   | <b>CSS300-9CS</b>   |
|         | 3-49/64" | 3-52/64" | 3.875"    | .090"                 | 2⅝"                   | <b>CSS300-10CS</b>  |
|         | 3-53/64" | 3-56/64" | 3.938"    | .090"                 | 2⅝"                   | <b>CSS300-11CS</b>  |
|         | 3-57/64" | 3-60/64" | 4.000"    | .090"                 | 2⅝"                   | <b>CSS300-12CS</b>  |
| 4"      | 4-29/64" | 4-32/64" | 4.563"    | .090"                 | 3-15/32"              | <b>CSS400-5CS</b>   |
|         | 4-33/64" | 4-36/64" | 4.625"    | .090"                 | 3-15/32"              | <b>CSS400-6CS</b>   |
|         | 4-37/64" | 4-40/64" | 4.688"    | .090"                 | 3-15/32"              | <b>CSS400-7CS</b>   |
|         | 4-41/64" | 4-44/64" | 4.750"    | .090"                 | 3-15/32"              | <b>CSS400-8CS</b>   |
|         | 4-45/64" | 4-48/64" | 4.813"    | .090"                 | 3-15/32"              | <b>CSS400-9CS</b>   |
|         | 4-49/64" | 4-52/64" | 4.875"    | .090"                 | 3-15/32"              | <b>CSS400-10CS</b>  |
|         | 4-53/64" | 4-56/64" | 4.938"    | .090"                 | 3-15/32"              | <b>CSS400-11CS</b>  |
|         | 4-57/64" | 4-60/64" | 5.000"    | .090"                 | 3-15/32"              | <b>CSS400-12CS</b>  |



### King™ Steel Round Nipples for one clamp

| Hose Size | NPT Size | Unplated Steel<br>Part # | Optional<br>Qty |
|-----------|----------|--------------------------|-----------------|
| 5/8"      | 1/2"     | <b>KRN541</b>            | 100             |
| 3/4"      | 1/2"     | <b>KRN641</b>            | 50              |
| 1"        | 3/4"     | <b>KRN861</b>            | 25              |



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### King™ Steel Round Nipples for two clamps

| Hose Size | NPT Size | Unplated Steel<br>Part # | Optional<br>Qty |
|-----------|----------|--------------------------|-----------------|
| 1/2"      | 1/4"     | <b>KRN422</b>            | 100             |
|           | 3/8"     | <b>KRN432</b>            | 100             |
| 5/8"      | 1/2"     | <b>KRN542</b>            | 100             |
| 3/4"      | 1/2"     | <b>KRN642</b>            | 50              |
|           | 3/4"     | <b>KRN662</b>            | 50              |
| 1"        | 3/4"     | <b>KRN862</b>            | 50              |
|           | 1"       | <b>KRN882</b>            | 50              |
| 1 1/4"    | 1"       | <b>KRN1082</b>           | 25              |
| 1 1/2"    | 1 1/4"   | <b>KRN1210</b>           | 25              |
| 2"        | 1 1/2"   | <b>KRN1612</b>           | 20              |



### King™ Steel Hex Nipples for one clamp

| Hose Size | NPT Size | Plated Steel<br>Part # | Optional<br>Qty |
|-----------|----------|------------------------|-----------------|
| 1/4"      | 1/4"     | <b>KHN221</b>          | 50              |
|           | 1/4"     | <b>KHN321</b>          | 100             |
| 3/8"      | 3/8"     | <b>KHN331</b>          | 100             |
|           | 1/2"     | <b>KHN341</b>          | 100             |
| 1/2"      | 1/4"     | <b>KHN421</b>          | 50              |
|           | 3/8"     | <b>KHN431</b>          | 50              |
|           | 1/2"     | <b>KHN441</b>          | 50              |
|           | 3/4"     | <b>KHN461</b>          | 50              |
| 3/4"      | 1/2"     | <b>KHN641</b>          | 50              |
|           | 3/4"     | <b>KHN661</b>          | 50              |
| 1"        | 3/4"     | <b>KHN861</b>          | 25              |
|           | 1"       | <b>KHN881</b>          | 25              |



### King™ Steel Hex Nipples for two clamps

| Hose Size | NPT Size | Plated Steel<br>Part # | Optional<br>Qty |
|-----------|----------|------------------------|-----------------|
| 1/4"      | 1/4"     | <b>KHN222</b>          | 100             |
|           | 1/4"     | <b>KHN322</b>          | 100             |
| 3/8"      | 3/8"     | <b>KHN332</b>          | 50              |
|           | 1/2"     | <b>KHN342</b>          | 100             |
| 1/2"      | 1/4"     | <b>KHN422</b>          | 100             |
|           | 3/8"     | <b>KHN432</b>          | 100             |
|           | 1/2"     | <b>KHN442</b>          | 50              |
|           | 3/4"     | <b>KHN462</b>          | 50              |
| 3/4"      | 1/2"     | <b>KHN642</b>          | 50              |
|           | 3/4"     | <b>KHN662</b>          | 50              |
| 1"        | 3/4"     | <b>KHN862</b>          | 25              |
|           | 1"       | <b>KHN882</b>          | 25              |





# King™ Short Shank Suction Hose Couplings

## NPSM Thread

**Application:**

- for suction or discharge of water

| Size | Aluminum shank<br>with Brass nut<br>Complete Part # | Opt<br>Qty | Aluminum shank<br>with Brass nut<br>Female Part # | Aluminum<br>Male Part # |
|------|---|------------|---|-------------------------|
| 1½"  | <b>CAB150</b>                                       | 60         | <b>FAB150</b>                                     | <b>MA150</b>            |
| 2"   | <b>CAB200</b>                                       | 40         | <b>FAB200</b>                                     | <b>MA200</b>            |
| 2½"  | <b>CAB250</b>                                       | 30         | <b>FAB250</b>                                     | <b>MA250</b>            |
| 3"   | <b>CAB300</b>                                       | 18         | <b>FAB300</b>                                     | <b>MA300</b>            |
| 4"   | <b>CAB400</b>                                       | 8          | <b>FAB400</b>                                     | <b>MA400</b>            |
| 6"   | <b>CAB600</b>                                       | 6          | <b>FAB600</b>                                     | <b>MA600</b>            |

| Size | Brass shank with Brass nut<br>Complete Part # | Brass shank with Brass nut<br>Female Part # | Brass<br>Male Part # |
|------|---|---|----------------------|
| 1¼"  | <b>CBB125</b>                                 | <b>FBB125</b>                               | <b>MB125</b>         |
| 1½"  | <b>CBB150</b>                                 | <b>FBB150</b>                               | <b>MB150</b>         |
| 2"   | <b>CBB200</b>                                 | <b>FBB200</b>                               | <b>MB200</b>         |
| 2½"  | <b>CBB250</b>                                 | <b>FBB250</b>                               | <b>MB250</b>         |
| 3"   | <b>CBB300</b>                                 | <b>FBB300</b>                               | <b>MB300</b>         |
| 4"   | <b>CBB400</b>                                 | <b>FBB400</b>                               | <b>MB400</b>         |

| Size | Plated Iron shank<br>with Plated Iron nut<br>Complete Part # | Plated Iron shank<br>with Plated Iron nut<br>Female Part # | Plated Iron<br>Male Part # |
|------|--|--|----------------------------|
| 1"   | <b>S33</b> <sup>1</sup>                                      | <b>S12</b> <sup>1</sup>                                    | <b>S10</b>                 |
| 1¼"  | <b>S48</b>   | <b>S17</b>   | <b>S15</b>                 |
| 1½"  | <b>S63</b>   | <b>S22</b>   | <b>S20</b>                 |
| 2"   | <b>S78</b>   | <b>S27</b>   | <b>S25</b>                 |
| 2½"  | <b>S93</b>   | <b>S32</b>   | <b>S30</b>                 |
| 3"   | <b>S111</b>  | <b>S38</b>   | <b>S36</b>                 |
| 4"   | <b>S123</b>  | <b>S42</b>   | <b>S40</b>                 |
| 5"   | ---  | <b>S57</b>   | <b>S55</b>                 |
| 6"   | <b>S183</b>  | <b>S62</b>   | <b>S60</b>                 |

| Size | Plated Iron shank<br>with Brass nut<br>Complete Part # | Plated Iron shank<br>with Brass nut<br>Female Part # | Plated Iron<br>Male Part # |
|------|--|--|----------------------------|
| 1"   | <b>SB33</b> <sup>1</sup>                               | <b>SB12</b> <sup>1</sup>                             | <b>S10</b>                 |
| 1¼"  | <b>SB48</b>  | <b>SB17</b>  | <b>S15</b>                 |
| 1½"  | <b>SB63</b>  | <b>SB22</b>  | <b>S20</b>                 |
| 2"   | <b>SB78</b>  | <b>SB27</b>  | <b>S25</b>                 |
| 2½"  | <b>SB93</b>  | <b>SB32</b>  | <b>S30</b>                 |
| 3"   | <b>SB111</b>   | <b>SB38</b>  | <b>S36</b>                 |
| 4"   | <b>SB123</b>   | <b>SB42</b>  | <b>S40</b>                 |
| 5"   | ---  | <b>SB57</b>  | <b>S55</b>                 |
| 6"   | <b>SB183</b>   | <b>SB62</b>  | <b>S60</b>                 |

<sup>1</sup> 1" fittings have a hex nut design

- complete couplings supplied with rubber gaskets
- Replacement gaskets (KRW standard) are available, see page 205.



complete



female

1" - 2½"  
male3" - 6"  
male

## King™ Short Shank Suction Hose Couplings

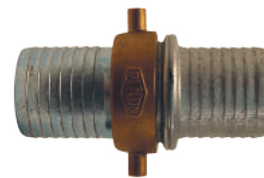
### NST Couplings

**Application:**

- for suction or discharge of water

| Size | Aluminum shank<br>with Brass nut<br>Complete Part #          | Aluminum shank<br>with Brass nut<br>Female Part #          | Aluminum<br>Male Part #    |
|------|--|--|----------------------------|
| 1½"  | <b>CAB150N</b>   | <b>FAB150N</b>   | <b>MA150N</b>              |
| 2½"  | <b>CAB250N</b>   | <b>FAB250N</b>   | <b>MA250N</b>              |
| Size | Brass shank with Brass nut<br>Complete Part #                | Brass shank with Brass nut<br>Female Part #                | Brass<br>Male Part #       |
| 1½"  | <b>BS63N</b>   | <b>BS22N</b>   | <b>BS201</b>               |
| 2½"  | <b>BS93N</b>   | <b>BS32N</b>   | <b>BS301</b>               |
| Size | Plated Iron shank<br>with Plated Iron nut<br>Complete Part # | Plated Iron shank<br>with Plated Iron nut<br>Female Part # | Plated Iron<br>Male Part # |
| 1½"  | <b>S63N</b>  | <b>S22N</b>  | <b>S201</b>                |
| 2½"  | <b>S93N</b>  | <b>S32N</b>  | <b>S301</b>                |
| Size | Plated Iron shank<br>with Brass nut<br>Complete Part #       | Plated Iron shank<br>with Brass nut<br>Female Part #       | Plated Iron<br>Male Part # |
| 1½"  | <b>SB63N</b>   | <b>SB22N</b>   | <b>S201</b>                |
| 2½"  | <b>SB93N</b>   | <b>SB32N</b>   | <b>S301</b>                |

- NST (Common Fire Hose Thread) is also known as NH
- Replacement gaskets (KRW standard) are available, see page 205.



complete



female



male

## Steel King™ Short Shank Suction Couplings

### NPSM Couplings

**Application:**

- for suction or discharge of water

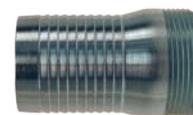
| Size | Plated Steel shank<br>with Plated Iron nut<br>Complete Part # | Plated Steel shank<br>with Plated Iron nut<br>Female Part # | Plated Steel<br>Male Part # |
|------|---|---|-----------------------------|
| 1¼"  | <b>CSM125</b>   | <b>FCSM125</b>  | <b>MCS125</b>               |
| 1½"  | <b>CSM150</b>   | <b>FCSM150</b>  | <b>MCS150</b>               |
| 2"   | <b>CSM200</b>   | <b>FCSM200</b>  | <b>MCS200</b>               |
| 2½"  | <b>CSM250</b>   | <b>FCSM250</b>  | <b>MCS250</b>               |
| 3"   | <b>CSM300</b>   | <b>FCSM300</b>  | <b>MCS300</b>               |
| 4"   | <b>CSM400</b>   | <b>FCSM400</b>  | <b>MCS400</b>               |
| 6"   | <b>CSM600</b>   | <b>FCSM600</b>  | <b>MCS600</b>               |
| Size | Plated Steel shank<br>with Brass nut<br>Complete Part #       | Plated Steel shank<br>with Brass nut<br>Female Part #       | Plated Steel<br>Male Part # |
| 1¼"  | <b>CSB125</b>   | <b>FCSB125</b>  | <b>MCS125</b>               |
| 1½"  | <b>CSB150</b>   | <b>FCSB150</b>  | <b>MCS150</b>               |
| 2"   | <b>CSB200</b>   | <b>FCSB200</b>  | <b>MCS200</b>               |
| 2½"  | <b>CSB250</b>   | <b>FCSB250</b>  | <b>MCS250</b>               |
| 3"   | <b>CSB300</b>   | <b>FCSB300</b>  | <b>MCS300</b>               |
| 4"   | <b>CSB400</b>   | <b>FCSB400</b>  | <b>MCS400</b>               |
| 6"   | <b>CSB600</b>   | <b>FCSB600</b>  | <b>MCS600</b>               |



complete



female



male

- Replacement gaskets (KRW standard) are available, see page 205.

## Super King™ Long Shank Hose Couplings

### Female NPSM Couplings

#### Application:

- for liquid transfer where steel and stainless are preferred



pin lug nut

| Size | Shank Length | Plated Steel Shank<br>with Brass Pin Lug Nut <sup>1</sup><br>Part # | Plated Steel Shank<br>with Iron Pin Lug Nut <sup>1</sup><br>Part # |
|------|--------------|---|--|
| 1¼"  | 4⅞"          | <b>SD15</b>   | <b>SDMP15</b>  |
| 1½"  | 4⅞"          | <b>SD20</b>   | <b>SDMP20</b>  |
| 2"   | 5"           | <b>SD25</b>   | <b>SDMP25</b>  |
| 2½"  | 5"           | <b>SD30</b>   | <b>SDMP30</b>  |
| 3"   | 5"           | <b>SD35</b>   | <b>SDMP35</b>  |
| 4"   | 5"           | <b>SD40</b>   | <b>SDMP40</b>  |



hex nut

| Size | Shank Length | 316 Stainless Shank<br>with Iron Pin Lug Nut <sup>1</sup><br>Part # | 316 Stainless Shank<br>with Stainless Hex Nut <sup>2</sup><br>Part # |
|------|--------------|---|--|
| 1½"  | 4⅞"          | ---   | <b>RSDMP20</b>   |
| 2"   | 5"           | <b>RSDM25</b>   | <b>RSDR25</b>  |
| 3"   | 5"           | <b>RSDM35</b>   | ---  |

<sup>1</sup> KLW leather gaskets standard

<sup>2</sup> PTFE gaskets standard

### Male NPT Couplings



| Size | Shank Length | Plated Steel<br>Part # | 316 Stainless<br>Part # |
|------|--------------|------------------------|-------------------------|
| 1¼"  | 4-3/8"       | <b>SK16</b>            | ---                     |
| 1½"  | 4-5/32"      | <b>SK21</b>            | ---                     |
| 2"   | 5-5/16"      | <b>SK26</b>            | <b>RSK26</b>            |
| 2½"  | 5-5/16"      | <b>SK31</b>            | ---                     |
| 3"   | 5-1/2"       | <b>SK36</b>            | <b>RSK36</b>            |
| 4"   | 5-1/2"       | <b>SK46</b>            | ---                     |

- all Super King™ long shank couplings accept 3 band clamps

## Pin Lug Spanner Wrenches

### Single End



| Size | Plated Iron<br>Part # |
|------|-----------------------|
| 2"   | <b>SW20</b>           |
| 2½"  | <b>SW25</b>           |
| 3"   | <b>SW30</b>           |
| 4"   | <b>SW40</b>           |
| 6"   | <b>SW60</b>           |

### Double End



| Size              | Plated Iron<br>Part # |
|-------------------|-----------------------|
| 1½", 2" x 2½", 3" | <b>SW153</b>          |

- additional spanner wrenches are available on pages 799 - 802

## Short Shank Hose Couplings

## Complete NPSM Couplings

| Size   | 316 Stainless Steel<br>Part # |
|--------|-------------------------------|
| 1/2"   | <b>RES404</b>                 |
| 3/4"   | <b>RES606</b>                 |
| 1"     | <b>RES808</b>                 |
| 1 1/4" | <b>RES48</b>                  |
| 1 1/2" | <b>RES63</b>                  |
| 2"     | <b>RES78</b>                  |

Industrial Hose  
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- Standard gasket is rubber (KRW); for FKM gaskets (KVW) see page 205.

## Female NPSM Couplings

| Size   | 316 Stainless Steel<br>Part # |
|--------|-------------------------------|
| 1/2"   | <b>RES444</b>                 |
| 3/4"   | <b>RES646</b>                 |
| 1"     | <b>RES848</b>                 |
| 1 1/4" | <b>RES33</b>                  |
| 1 1/2" | <b>RES43</b>                  |
| 2"     | <b>RES53</b>                  |



D

- Standard gasket is rubber (KRW); for FKM gaskets (KVW) see page 205.

## Machined Short Shank Hose Couplings

## Complete NPSM Couplings

| Hose ID | NPSM Thread | Previous Part #    | Brass<br>Part #                |
|---------|-------------|--------------------|--------------------------------|
| 1/2"    | 3/4"        | ---                | <b>BS406</b>                   |
| 3/4"    | 3/4"        | ---                | <b>BS606</b>                   |
| 1"      | 1"          | BS808 <sup>1</sup> | <b>5921616K</b> <sup>1,2</sup> |



<sup>1</sup> NPSH threads

<sup>2</sup> washer is **5911212W**

- use with KRW washers on page 205

## Female NPSM Couplings

| Hose ID | NPSM Thread | Previous Part #    | Brass<br>Part #                |
|---------|-------------|--------------------|--------------------------------|
| 1/2"    | 3/4"        | ---                | <b>BS446</b>                   |
| 5/8"    | 3/4"        | ---                | <b>BS546</b>                   |
| 3/4"    | 3/4"        | ---                | <b>BS646</b>                   |
| 1"      | 1"          | BS848 <sup>1</sup> | <b>5911616C</b> <sup>1,2</sup> |



<sup>1</sup> NPSH threads

<sup>2</sup> washer is **5911212W**

- use with KRW washers on page 205

## Male NPSM Couplings

| Hose ID | NPSM Thread | Previous Part #    | Brass<br>Part #              |
|---------|-------------|--------------------|------------------------------|
| 1/2"    | 3/4"        | ---                | <b>BS416</b>                 |
| 3/4"    | 3/4"        | ---                | <b>BS616</b>                 |
| 1"      | 1"          | BS818 <sup>1</sup> | <b>5901616C</b> <sup>1</sup> |



<sup>1</sup> NPSH threads

- use with KRW washers on page 205



plated steel

## Long Shank Hose Couplings

## Complete NPSM Couplings

| Hose ID | NPSM Thread | Plated Steel Part # | Plated Iron Part # | Previous Part # | Brass Part #                   |
|---------|-------------|---------------------|--------------------|-----------------|--------------------------------|
| 1/2"    | 1/2"        | <b>SLS404</b>       | ---                | ---             | <b>BLS404</b>                  |
| 1/2"    | 3/4"        | ---                 | ---                | ---             | <b>BLS406</b>                  |
| 5/8"    | 3/4"        | ---                 | ---                | ---             | <b>BLS506</b>                  |
| 3/4"    | 3/4"        | <b>SLS606</b>       | ---                | ---             | <b>BLS606</b>                  |
| 1"      | 1"          | <b>SLS808</b>       | ---                | BLS808          | <b>5951616K</b> <sup>1,2</sup> |
| 1 1/4"  | 1 1/4"      | ---                 | <b>MLS48</b>       | ---             | <b>BLS48</b>                   |
| 1 1/2"  | 1 1/2"      | ---                 | <b>MLS63</b>       | ---             | <b>BLS63</b>                   |
| 2"      | 2"          | ---                 | <b>MLS78</b>       | ---             | <b>BLS78</b>                   |

<sup>1</sup> NPSH thread<sup>2</sup> washer is **5911616W**

- sizes 1/2" to 1" are machined; 1 1/4" to 2" are cast
- replacement gaskets (KRW standard) available on page 205

## Female NPSM Couplings

| Hose ID | NPSM Thread | Plated Steel Part # | Plated Iron Part # | Previous Part # | Brass Part #                   |
|---------|-------------|---------------------|--------------------|-----------------|--------------------------------|
| 1/2"    | 1/2"        | <b>SLS444</b>       | ---                | ---             | <b>BLS444</b>                  |
| 1/2"    | 3/4"        | ---                 | ---                | ---             | <b>BLS446</b>                  |
| 5/8"    | 3/4"        | ---                 | ---                | ---             | <b>BLS546</b>                  |
| 3/4"    | 3/4"        | <b>SLS646</b>       | ---                | ---             | <b>BLS646</b>                  |
| 1"      | 1"          | <b>SLS848</b>       | ---                | BLS848          | <b>5941616C</b> <sup>1,2</sup> |
| 1 1/4"  | 1 1/4"      | ---                 | <b>MLS33</b>       | ---             | <b>BLS33</b>                   |
| 1 1/2"  | 1 1/2"      | ---                 | <b>MLS43</b>       | ---             | <b>BLS43</b>                   |
| 2"      | 2"          | ---                 | <b>MLS53</b>       | ---             | <b>BLS53</b>                   |

<sup>1</sup> NPSH thread<sup>2</sup> washer is **5911616W**

- 1/2" to 1" are machined; 1 1/4" to 2" are cast
- replacement gaskets (KRW standard) available on page 205

## Male NPSM Couplings

| Hose ID | NPSM Thread | Plated Steel Part # | Plated Iron Part # | Previous Part # | Brass Part #                 |
|---------|-------------|---------------------|--------------------|-----------------|------------------------------|
| 1/2"    | 1/2"        | <b>SLS414</b>       | ---                | ---             | <b>BLS414</b>                |
| 1/2"    | 3/4"        | ---                 | ---                | ---             | <b>BLS416</b>                |
| 5/8"    | 3/4"        | ---                 | ---                | ---             | <b>BLS516</b>                |
| 3/4"    | 3/4"        | <b>SLS616</b>       | ---                | ---             | <b>BLS616</b>                |
| 1"      | 1"          | <b>SLS818</b>       | ---                | BLS818          | <b>5931616C</b> <sup>1</sup> |
| 1 1/4"  | 1 1/4"      | ---                 | <b>MLS15</b>       | ---             | <b>BLS15</b>                 |
| 1 1/2"  | 1 1/2"      | ---                 | <b>MLS20</b>       | ---             | <b>BLS20</b>                 |
| 2"      | 2"          | ---                 | <b>MLS25</b>       | ---             | <b>BLS25</b>                 |

<sup>1</sup> NPSH thread

- 1/2" to 1" are machined; 1 1/4" to 2" are cast



plated steel

## Long Shank Hose Couplings

## Complete NST Couplings

| Hose ID | NST Thread | Brass Part #    |
|---------|------------|-----------------|
| 1½"     | 1½"        | <b>BLS63NST</b> |
| 2½"     | 2½"        | <b>BLS93NST</b> |

- replacement gaskets (KRW standard) available on page 205
- for GHT long shank complete couplings see page 237



Industrial Hose Fittings

## Female NST Couplings

| Hose ID | NST Thread | Brass Part #     |
|---------|------------|------------------|
| 1½"     | 1½"        | <b>BLS150NST</b> |
| 2½"     | 2½"        | <b>BLS250NST</b> |

- replacement gaskets (KRW standard) available on page 205
- for GHT long shank female coupling see page 237



## Male NST Couplings

| Hose ID | NST Thread | Brass Part #    |
|---------|------------|-----------------|
| 1½"     | 1½"        | <b>BLS20NST</b> |
| 2½"     | 2½"        | <b>BLS30NST</b> |

- for GHT long shank male coupling see page 237







## Spray Hose Couplings

## Complete NPSM Couplings

| Hose ID | NPSM Thread | Plated Steel<br>Part # |
|---------|-------------|------------------------|
| 3/8"    | 3/4"        | <b>SS306</b>           |
| 1/2"    | 1/2"        | <b>SS404</b>           |
| 1/2"    | 3/4"        | <b>SS406</b>           |
| 3/4"    | 3/4"        | <b>SS606</b>           |
| 1"      | 1"          | <b>SS808</b>           |

- for GHT spray hose complete coupling see page 238
- replacement KLW (leather gaskets) standard, can be found on page 205

## Female NPSM Couplings

| Hose ID | NPSM Thread | Plated Steel<br>Part # |
|---------|-------------|------------------------|
| 3/8"    | 3/4"        | <b>SS346</b>           |
| 1/2"    | 1/2"        | <b>SS444</b>           |
| 1/2"    | 3/4"        | <b>SS446</b>           |
| 3/4"    | 3/4"        | <b>SS646</b>           |
| 1"      | 1"          | <b>SS848</b>           |

- for GHT spray hose female coupling see page 238
- replacement KLW (leather gaskets) standard, can be found on page 205

## Male NPSM Couplings

| Hose ID | NPSM Thread | Plated Steel<br>Part # |
|---------|-------------|------------------------|
| 3/8"    | 3/4"        | <b>SS316</b>           |
| 1/2"    | 1/2"        | <b>SS414</b>           |
| 1/2"    | 3/4"        | <b>SS416</b>           |
| 3/4"    | 3/4"        | <b>SS616</b>           |
| 1"      | 1"          | <b>SS818</b>           |

- for GHT spray hose male coupling see page 238



## Gaskets for Suction, Short, Long and Spray Hose Couplings

- for use on NPSM threaded couplings

| Hose ID | Rubber<br>(Styrene Butadiene)<br>Part # | Neoprene<br>Part # | FKM<br>Part # |
|---------|---|--------------------|---------------|
| ½"      | <b>KRW1</b>                             | ---                | ---           |
| ¾"      | <b>KRW5</b>                             | <b>KNW5</b>        | ---           |
| 1"      | <b>KRW10</b>                            | <b>KNW10</b>       | <b>KVW10</b>  |
| 1¼"     | <b>KRW15</b>                            | <b>KNW15</b>       | ---           |
| 1½"     | <b>KRW20</b>                            | <b>KNW20</b>       | <b>KVW20</b>  |
| 2"      | <b>KRW25</b>                            | <b>KNW25</b>       | <b>KVW25</b>  |
| 2½"     | <b>KRW30</b>                            | <b>KNW30</b>       | ---           |
| 3"      | <b>KRW35</b>                            | <b>KNW35</b>       | <b>KVW35</b>  |
| 4"      | <b>KRW40</b>                            | <b>KNW40</b>       | ---           |
| 5"      | <b>KRW50</b>                            | ---                | ---           |
| 6"      | <b>KRW60</b>                            | <b>KNW60</b>       | ---           |
| 8"      | <b>KRW80</b>                            | <b>KNW80</b>       | ---           |

| Hose ID | Leather<br>Part # | Rubber<br>Part #           |
|---------|-------------------|----------------------------|
| ½"      | <b>KLW1</b>       | ---                        |
| ¾"      | <b>KLW5</b>       | ---                        |
| 1"      | <b>KLW10</b>      | ---                        |
| 1¼"     | <b>KLW15</b>      | ---                        |
| 1½"     | <b>KLW20</b>      | <b>KRW2075<sup>1</sup></b> |
| 2"      | <b>KLW25</b>      | ---                        |
| 2½"     | <b>KLW30</b>      | <b>KRW3075<sup>1</sup></b> |
| 3"      | <b>KLW35</b>      | ---                        |
| 4"      | <b>KLW40</b>      | ---                        |

<sup>1</sup> NST only threaded couplings



rubber



neoprene



FKM



leather



rubber

## Strainers

**Application:**

- used on the submersed end of suction hose to prevent debris from entering the pump during operation

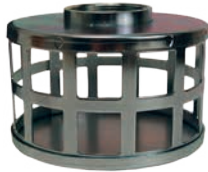
**Round Hole Strainers**

zinc plated steel



304 stainless steel

| NPSM Size | Zinc Plated Steel<br>Part # | 304 Stainless Steel<br>Part # |
|-----------|-----------------------------|-------------------------------|
| 3/4"      | <b>RHS5</b>                 | ---                           |
| 1"        | <b>RHS10</b>                | ---                           |
| 1½"       | <b>RHS20</b>                | <b>RRHS20</b>                 |
| 2"        | <b>RHS25</b>                | <b>RRHS25</b>                 |
| 2½"       | <b>RHS30</b>                | ---                           |
| 3"        | <b>RHS35</b>                | <b>RRHS35</b>                 |
| 4"        | <b>RHS40</b>                | <b>RRHS40</b>                 |
| 6"        | <b>RHS60</b>                | <b>RRHS60</b>                 |
| 8"        | <b>RHS80</b>                | ---                           |
| 10"       | <b>RHS100</b>               | ---                           |
| 12"       | <b>RHS120</b>               | ---                           |

**Square Hole Strainers**

| NPSM Size | Zinc Plated Steel<br>Part # |
|-----------|-----------------------------|
| 2"        | <b>SHS25</b>                |
| 3"        | <b>SHS35</b>                |
| 4"        | <b>SHS40</b>                |
| 6"        | <b>SHS60</b>                |
| 8"        | <b>SHS80</b>                |
| 10"       | <b>SHS100</b>               |
| 12"       | <b>SHS120</b>               |

**Polypropylene Strainers**

| NPT Size | Black Polypropylene with 30% fiberglass<br>Part # |
|----------|---|
| 1½"      | <b>TSS20</b>                                      |
| 2"       | <b>TSS25</b>                                      |
| 3"       | <b>TSS35</b>                                      |
| 4"       | <b>TSS40</b>                                      |

## Strainers

## Round Hole Long Strainers

| NPSM Size | <i>Zinc Plated Steel</i><br>Part # |
|-----------|------------------------------------|
| 1½"       | <b>RSS20</b>                       |
| 2"        | <b>RSS25</b>                       |
| 3"        | <b>RSS35</b>                       |
| 4"        | <b>RSS40</b>                       |

Industrial Hose  
Fittings

## Skimmers

## Round Hole Bottom Skimmers

| NPSM Size | <i>Zinc Plated Steel</i><br>Part # |
|-----------|------------------------------------|
| 1½"       | <b>DSB20</b>                       |
| 2"        | <b>DSB25</b>                       |
| 3"        | <b>DSB35</b>                       |



## Round Hole Top Skimmers

| NPSM Size | <i>Zinc Plated Steel</i><br>Part # |
|-----------|------------------------------------|
| 1½"       | <b>DST20</b>                       |
| 2"        | <b>DST25</b>                       |
| 3"        | <b>DST35</b>                       |



## Foot Valves

**Application:**

- for use on water suction hose to prevent pump from losing it's prime
- **must** be installed in the *vertical position*
- for water service *only*
- not for compressed air or other compressible gases



| NPT Size | Painted Cast Iron<br>Part # |
|----------|-----------------------------|
| 1½"      | <b>DFVS20</b>               |
| 2"       | <b>DFVS25</b>               |
| 2½"      | <b>DFVS30</b>               |
| 3"       | <b>DFVS35</b>               |
| 4"       | <b>DFVS40</b>               |
| 6"       | <b>DFVS60</b>               |
| 8"       | <b>DFVS80</b>               |

## Strainers



| Size | Painted Cast Iron<br>Part # |
|------|-----------------------------|
| 1½"  | <b>FVS20</b>                |
| 2"   | <b>FVS25</b>                |
| 2½"  | <b>FVS30</b>                |
| 3"   | <b>FVS35</b>                |
| 4"   | <b>FVS40</b>                |
| 6"   | <b>FVS60</b>                |
| 8"   | <b>FVS80</b>                |

## Flapper Assemblies



| Size | Painted Cast Iron / Rubber<br>Part # |
|------|--------------------------------------|
| 1½"  | <b>FVFA20</b>                        |
| 2"   | <b>FVFA25</b>                        |
| 2½"  | <b>FVFA30</b>                        |
| 3"   | <b>FVFA35</b>                        |
| 4"   | <b>FVFA40</b>                        |
| 6"   | <b>FVFA60</b>                        |
| 8"   | <b>FVFA80</b>                        |

## Flapper Gaskets



| Size | Rubber<br>Part # |
|------|------------------|
| 1½"  | <b>FVL20</b>     |
| 2"   | <b>FVL25</b>     |
| 2½"  | <b>FVL30</b>     |
| 3"   | <b>FVL35</b>     |
| 4"   | <b>FVL40</b>     |
| 6"   | <b>FVL60</b>     |
| 8"   | <b>FVL80</b>     |

## Seat Plates



| Size | Painted Cast Iron<br>Part # |
|------|-----------------------------|
| 1½"  | <b>FVSP20</b>               |
| 2"   | <b>FVSP25</b>               |
| 2½"  | <b>FVSP30</b>               |
| 3"   | <b>FVSP35</b>               |
| 4"   | <b>FVSP40</b>               |
| 6"   | <b>FVSP60</b>               |
| 8"   | <b>FVSP80</b>               |

## Dixon® Hose Menders

- **not for compressible products such as air, nitrogen or steam**
- *The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Dixon® for recommendations.*
- In accordance with the ARPM bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1½ times the working pressure and held for fifteen minutes without leaking or coupling movement. For additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturer's (ARPM) handbook or visit ARPMINC.com.



| Size | Zinc Plated Steel<br>Part # | Optional<br>Qty | 316 Stainless Steel<br>Part # | Optional<br>Qty |
|------|-----------------------------|-----------------|-------------------------------|-----------------|
| ¼"   | <b>DMA</b>                  | 200             | <b>RDMA</b>                   | 100             |
| ⅜"   | <b>DMB</b>                  | 100             | <b>RDMB</b>                   | 100             |
| ½"   | <b>DM1</b>                  | 50              | <b>RDM1</b>                   | 50              |
| ⅝"   | <b>DM5</b>                  | 50              | ---                           | ---             |
| ¾"   | <b>DM6</b>                  | 50              | <b>RDM6</b>                   | 50              |
| 1"   | <b>DM11</b>                 | 50              | <b>RDM11</b>                  | 50              |
| 1¼"  | <b>DM16</b>                 | 50              | <b>RDM16</b>                  | 5               |
| 1⅜"  | <b>DM18</b>                 | 50              | ---                           | ---             |
| 1½"  | <b>DM21</b>                 | 50              | <b>RDM21</b>                  | 50              |
| 1½"  | <b>DMXL21</b> <sup>1</sup>  | 25              | ---                           | ---             |
| 2"   | <b>DM26</b>                 | 50              | <b>RDM26</b>                  | 10              |
| 2"   | <b>DMXL26</b> <sup>1</sup>  | 25              | ---                           | ---             |
| 2½"  | <b>DM31</b>                 | 25              | ---                           | ---             |
| 3"   | <b>DM36</b>                 | 20              | <b>RDM36</b>                  | 5               |
| 4"   | <b>DM46</b>                 | 10              | <b>RDM46</b>                  | 5               |
| 5"   | <b>DM51</b>                 | 5               | ---                           | ---             |
| 6"   | <b>DM66</b>                 | 4               | ---                           | ---             |
| 8"   | <b>DM86</b>                 | 1               | ---                           | ---             |
| 10"  | <b>DM100</b>                | 1               | ---                           | ---             |
| 12"  | <b>DM120</b>                | 1               | ---                           | ---             |



zinc plated steel



316 stainless steel

<sup>1</sup> XL series has extra long shank



## King™ Hose Menders

- **not for compressible products such as air, nitrogen or steam**
- *The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Dixon® for recommendations.*
- In accordance with the ARPM bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1½ times the working pressure and held for fifteen minutes without leaking or coupling movement. For additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturer's (ARPM) handbook or visit ARPMINC.com.



## for one clamp

| Size   | Steel<br>Part # |
|--------|-----------------|
| 1/4"   | <b>KM21</b>     |
| 5/16"  | <b>KM251</b>    |
| 1/2"   | <b>KM41</b>     |
| 5/8"   | <b>KM51</b>     |
| 3/4"   | <b>KM61</b>     |
| 1"     | <b>KM81</b>     |
| 1-1/4" | <b>KM101</b>    |
| 1-1/2" | <b>KM121</b>    |



## for two clamps

| Size | Steel<br>Part # |
|------|-----------------|
| 1/2" | <b>KM42</b>     |
| 5/8" | <b>KM52</b>     |
| 3/4" | <b>KM62</b>     |
| 1"   | <b>KM82</b>     |
| 1¼"  | <b>KM102</b>    |
| 1½"  | <b>KM122</b>    |
| 2"   | <b>KM162</b>    |

## Barbed Hose Menders



| Hose ID     | Lead Free Brass <sup>1</sup> | Brass           |                 |
|-------------|------------------------------|-----------------|-----------------|
|             | Part #                       | Previous Part # | Part #          |
| 1/8"        | ---                          | BM1             | <b>1780202C</b> |
| 3/16"       | ---                          | BM15            | <b>1780303C</b> |
| 1/4" x 1/8" | ---                          | BM2-1           | <b>1780402C</b> |
| 1/4"        | <b>1780404CLF</b>            | BM2             | <b>1780404C</b> |
| 5/16"       | ---                          | BM25            | <b>1780505C</b> |
| 3/8" x 1/4" | ---                          | BM3-2           | <b>1780604C</b> |
| 3/8"        | <b>1780606CLF</b>            | BM3             | <b>1780606C</b> |
| 1/2" x 3/8" | ---                          | BM4-3           | <b>1780806C</b> |
| 1/2"        | <b>1780808CLF</b>            | BM4             | <b>1780808C</b> |
| 5/8" x 3/8" | ---                          | BM5-3           | <b>1781006C</b> |
| 5/8" x 1/2" | ---                          | BM5-4           | <b>1781008C</b> |
| 5/8"        | ---                          | BM5             | <b>1781010C</b> |
| 3/4" x 1/2" | ---                          | BM6-4           | <b>1781208C</b> |
| 3/4"        | ---                          | BM6             | <b>1781212C</b> |
| 1"          | ---                          | BM8             | <b>1781616C</b> |

<sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

## Short Shank Menders



| Size | Length  | Previous Part # | 316 Stainless Steel<br>Part # |
|------|---------|-----------------|-------------------------------|
| ¼"   | 2-1/32" | 1780404SS       | <b>RM2</b>                    |
| ⅜"   | 2-1/16" | 1780606SS       | <b>RM3</b>                    |
| ½"   | 2-1/16" | 1780808SS       | <b>RM4</b>                    |
| ¾"   | 2-1/2"  | 1781212SS       | <b>RM6</b>                    |

## Male NPTF x Hose Barb

- Optional package quantity

| Hose ID | Male NPTF | Brass           |                              | Lead Free Brass <sup>1,3</sup><br>Part # | 316 Stainless Steel <sup>1</sup><br>Part # | Pkg Qty |
|---------|-----------|-----------------|------------------------------|--|--|---------|
|         |           | Previous Part # | Part #                       |  |  |         |
| 1/8"    | 1/8"      | BN11            | <b>1020202C</b>              | ---                                      | <b>RN11</b>                                | 100     |
|         | 1/4"      | BN122           | <b>1020204C</b>              | ---                                      | ---  | 100     |
| 3/16"   | 1/8"      | BN151           | <b>1020302C</b>              | <b>1020302CLF</b>                        | <b>RN151</b>                               | 100     |
|         | 1/4"      | BN152           | <b>1020304C</b>              | ---                                      | <b>RN152</b>                               | 100     |
| 1/4"    | 1/8"      | BN21            | <b>1020402C</b>              | <b>1020402CLF</b>                        | <b>RN21</b>                                | 100     |
|         | 1/4"      | BN22            | <b>1020404C</b>              | <b>1020404CLF</b>                        | <b>RN22</b>                                | 100     |
|         | 3/8"      | BN23            | <b>1020406C</b>              | ---                                      | <b>RN23</b>                                | 100     |
|         | 1/2"      | BN24            | <b>1020408C</b>              | ---                                      | ---  | 50      |
| 5/16"   | 1/8"      | BN251           | <b>1020502C</b>              | <b>1020502CLF</b>                        | <b>RN251</b>                               | 100     |
|         | 1/4"      | BN252           | <b>1020504C</b>              | <b>1020504CLF</b>                        | <b>RN252</b>                               | 50      |
|         | 3/8"      | BN253           | <b>1020506C</b>              | ---                                      | <b>RN253</b>                               | 50      |
| 3/8"    | 1/8"      | BN31            | <b>1020602C</b>              | <b>1020602CLF</b>                        | <b>RN31</b>                                | 100     |
|         | 1/4"      | BN32            | <b>1020604C</b>              | <b>1020604CLF</b>                        | <b>RN32</b>                                | 100     |
|         | 3/8"      | BN33            | <b>1020606C</b>              | <b>1020606CLF</b>                        | <b>RN33</b>                                | 50      |
|         | 1/2"      | BN34            | <b>1020608C</b>              | <b>1020608CLF</b>                        | <b>RN34</b>                                | 25      |
|         | 3/4"      | BN36            | <b>1020612C</b>              | ---                                      | ---  | 25      |
|         | 1"        | BN38            | <b>1020616C</b>              | ---                                      | ---  | 10      |
| 1/2"    | 1/4"      | BN42            | <b>1020804C</b>              | <b>1020804CLF</b>                        | <b>RN42</b>                                | 50      |
|         | 3/8"      | BN43            | <b>1020806C</b>              | <b>1020806CLF</b>                        | <b>RN43</b>                                | 50      |
|         | 1/2"      | BN44            | <b>1020808C</b>              | <b>1020808CLF</b>                        | <b>RN44</b>                                | 25      |
|         | 3/4"      | BN46            | <b>1020812C</b>              | ---                                      | <b>RN46</b>                                | 25      |
| 5/8"    | 3/8"      | BN53            | <b>1021006C</b>              | ---                                      | <b>RN53</b>                                | 50      |
|         | 1/2"      | BN54            | <b>1021008C</b>              | <b>1021008CLF</b>                        | <b>RN54</b>                                | 25      |
|         | 3/4"      | BN56            | <b>1021012C</b>              | ---                                      | <b>RN56</b>                                | 25      |
| 3/4"    | 1/2"      | BN64            | <b>1021208C</b>              | <b>1021208CLF</b>                        | <b>RN64</b>                                | 25      |
|         | 3/4"      | BN66            | <b>1021212C</b>              | <b>1021212CLF</b>                        | <b>RN66</b>                                | 20      |
| 1"      | 3/4"      | BN86            | <b>1021612C</b>              | ---                                      | <b>RN86</b>                                | 20      |
|         | 1"        | BN88            | <b>1021616C</b> <sup>2</sup> | ---                                      | <b>RKHN881</b> <sup>4</sup>                | 10      |
| 1 1/4"  | 3/4"      | BN106           | <b>1022012C</b>              | ---                                      | ---  | 10      |
|         | 1"        | BN108           | <b>1022016C</b> <sup>2</sup> | ---                                      | ---  | 5       |

<sup>1</sup> NPT thread

<sup>2</sup> capped

<sup>3</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>4</sup> same shank style as KHN881 shown on page 197

Industrial Hose Fittings



brass



316 stainless steel

D

## Male NPTF Swivel x Hose Barb

- Optional package quantity

| Hose ID | Male NPTF | Brass           |                              | Pkg Qty |
|---------|-----------|-----------------|------------------------------|---------|
|         |           | Previous Part # | Part #                       |         |
| 1/4"    | 1/8"      | 103-0402        | <b>1030402C</b>              | 100     |
|         | 1/4"      | 103-0404        | <b>1030404C</b>              | 100     |
| 3/8"    | 1/4"      | 103-0604        | <b>1030604C</b>              | 100     |
|         | 3/8"      | 103-0606        | <b>1030606C</b>              | 50      |
| 1/2"    | 3/8"      | 103-0806        | <b>1030806C</b>              | 50      |
|         | 1/2"      | 103-0808        | <b>1030808C</b>              | 25      |
| 3/4"    | 3/4"      | 103-1212        | <b>1031212C</b>              | 20      |
| 1"      | 1-1 1/2"  | 103-1616        | <b>1031616C</b> <sup>1</sup> | 10      |

<sup>1</sup> capped threads

- swivel is for assembly convenience only, not for live swivel applications **120 PSI** maximum





## Male NPTF x Beaded Hose Barb

| Hose ID | Male NPTF | Brass<br>Part # | Pkg Qty |
|---------|-----------|-----------------|---------|
| 1/4"    | 1/8"      | <b>268B0402</b> | 100     |
|         | 1/4"      | <b>268B0404</b> | 100     |
| 5/16"   | 1/8"      | <b>268B0502</b> | 100     |
|         | 1/4"      | <b>268B0504</b> | 50      |
| 3/8"    | 1/8"      | <b>268B0602</b> | 100     |
|         | 1/4"      | <b>268B0604</b> | 100     |
|         | 3/8"      | <b>268B0606</b> | 50      |
| 1/2"    | 3/8"      | <b>268B0806</b> | 50      |
|         | 1/2"      | <b>268B0808</b> | 50      |
| 5/8"    | 1/2"      | <b>268B1008</b> | 25      |
| 3/4"    | 1/2"      | <b>268B1208</b> | 50      |
|         | 3/4"      | <b>268B1212</b> | 25      |

## Male BSPT x Hose Barb



| Hose ID | Male BSPT | Brass           |                    | Pkg Qty |
|---------|-----------|-----------------|--------------------|---------|
|         |           | Previous Part # | Part #             |         |
| 1/4"    | 1/8"      | BN21BSPT        | <b>1020402BSPT</b> | 100     |
|         | 1/4"      | BN22BSPT        | <b>1020404BSPT</b> | 100     |
| 3/8"    | 1/4"      | BN32BSPT        | <b>1020604BSPT</b> | 100     |
|         | 3/8"      | BN33BSPT        | <b>1020606BSPT</b> | 50      |
|         | 1/2"      | BN34BSPT        | <b>1020608BSPT</b> | 25      |
| 1/2"    | 3/8"      | BN43BSPT        | <b>1020806BSPT</b> | 50      |
|         | 1/2"      | BN44BSPT        | <b>1020808BSPT</b> | 50      |
| 3/4"    | 3/4"      | BN66BSPT        | <b>1021212BSPT</b> | 25      |
| 1"      | 1"        | BN88BSPT        | <b>1021616BSPT</b> | 10      |

## Female NPTF x Hose Barb



brass



303 stainless steel

| Hose ID | Female NPTF | Brass           |                 | Lead Free Brass <sup>1,2</sup><br>Part # | 303 Stainless Steel <sup>1</sup> |                  | Pkg Qty |
|---------|-------------|-----------------|-----------------|--|----------------------------------|------------------|---------|
|         |             | Previous Part # | Part #          |  | Previous Part #                  | Part #           |         |
| 1/8"    | 1/8"        | BF11            | <b>1040202C</b> | ---                                      | ---                              | ---              | 100     |
|         | 1/4"        | BF12            | <b>1040204C</b> | ---                                      | ---                              | ---              | 100     |
| 3/16"   | 1/8"        | BF151           | <b>1040302C</b> | ---                                      | ---                              | ---              | 100     |
|         | 1/4"        | BF152           | <b>1040304C</b> | ---                                      | ---                              | ---              | 100     |
| 1/4"    | 1/8"        | BF21            | <b>1040402C</b> | ---                                      | ---                              | ---              | 100     |
|         | 1/4"        | BF22            | <b>1040404C</b> | <b>1040404CLF</b>                        | BF22SS                           | <b>1040404SS</b> | 100     |
|         | 3/8"        | BF23            | <b>1040406C</b> | ---                                      | ---                              | ---              | 50      |
|         | 1/2"        | BF24            | <b>1040408C</b> | ---                                      | ---                              | ---              | 50      |
| 5/16"   | 1/8"        | BF251           | <b>1040502C</b> | ---                                      | ---                              | ---              | 100     |
|         | 1/4"        | BF252           | <b>1040504C</b> | ---                                      | ---                              | ---              | 100     |
|         | 3/8"        | BF253           | <b>1040506C</b> | ---                                      | ---                              | ---              | 100     |
| 3/8"    | 1/8"        | BF31            | <b>1040602C</b> | ---                                      | ---                              | ---              | 100     |
|         | 1/4"        | BF32            | <b>1040604C</b> | <b>1040604CLF</b>                        | BF32SS                           | <b>1040604SS</b> | 50      |
|         | 3/8"        | BF33            | <b>1040606C</b> | <b>1040606CLF</b>                        | BF33SS                           | <b>1040606SS</b> | 50      |
|         | 1/2"        | BF34            | <b>1040608C</b> | <b>1040608CLF</b>                        | ---                              | ---              | 50      |
|         | 3/4"        | BF36            | <b>1040612C</b> | ---                                      | ---                              | ---              | 25      |
| 1/2"    | 1/4"        | BF42            | <b>1040804C</b> | ---                                      | ---                              | ---              | 50      |
|         | 3/8"        | BF43            | <b>1040806C</b> | ---                                      | ---                              | ---              | 50      |
|         | 1/2"        | BF44            | <b>1040808C</b> | <b>1040808CLF</b>                        | BF44SS                           | <b>1040808SS</b> | 50      |
|         | 3/4"        | BF46            | <b>1040812C</b> | ---                                      | ---                              | ---              | 25      |
| 5/8"    | 3/8"        | BF53            | <b>1041006C</b> | ---                                      | ---                              | ---              | 50      |
|         | 1/2"        | BF54            | <b>1041008C</b> | ---                                      | ---                              | ---              | 25      |
|         | 3/4"        | BF56            | <b>1041012C</b> | ---                                      | ---                              | ---              | 25      |
| 3/4"    | 1/2"        | BF64            | <b>1041208C</b> | ---                                      | ---                              | ---              | 25      |
|         | 3/4"        | BF66            | <b>1041212C</b> | ---                                      | ---                              | ---              | 20      |
| 1"      | 3/4"        | BF86            | <b>1041612C</b> | ---                                      | ---                              | ---              | 20      |
|         | 1"          | BF88            | <b>1041616C</b> | ---                                      | ---                              | ---              | 10      |
| 1-1/4"  | 1"          | BF108           | <b>1042016C</b> | ---                                      | ---                              | ---              | 10      |

<sup>1</sup> NPT threads and are packaged to order<sup>2</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

## Female NPSM Swivel x Hose Barb Ball Seat

| Hose ID | Female NPSM | Brass           |                 | Pkg Qty |
|---------|-------------|-----------------|-----------------|---------|
|         |             | Previous Part # | Part #          |         |
| 1/8"    | 1/8"        | BFS11           | <b>1240202K</b> | 100     |
| 3/16"   | 1/8"        | BFS151          | <b>1240302K</b> | 100     |
|         | 1/4"        | BFS152          | <b>1240304K</b> | 100     |
| 1/4"    | 1/8"        | BFS21           | <b>1240402K</b> | 100     |
|         | 1/4"        | BFS22           | <b>1240404K</b> | 100     |
|         | 3/8"        | BFS23           | <b>1240406K</b> | 100     |
| 5/16"   | 1/4"        | BFS252          | <b>1240504K</b> | 100     |
|         | 3/8"        | BFS253          | <b>1240506K</b> | 50      |
| 3/8"    | 1/4"        | BFS32           | <b>1240604K</b> | 100     |
|         | 3/8"        | BFS33           | <b>1240606K</b> | 100     |
|         | 1/2"        | BFS34           | <b>1240608K</b> | 100     |
| 1/2"    | 3/8"        | BFS43           | <b>1240806K</b> | 50      |
|         | 1/2"        | BFS44           | <b>1240808K</b> | 100     |
| 3/4"    | 3/4"        | BFS66           | <b>1241212K</b> | 50      |

Industrial Hose  
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## Female NPSM Swivel x Hose Barb Gasket Seat

| Hose ID | Female NPSM | Brass           |                 | Pkg Qty |
|---------|-------------|-----------------|-----------------|---------|
|         |             | Previous Part # | Part #          |         |
| 1/8"    | 1/8"        | 126-0202        | <b>1260202C</b> | 100     |
| 3/16"   | 1/8"        | 126-0302        | <b>1260302C</b> | 100     |
|         | 1/4"        | 126-0304        | <b>1260304C</b> | 100     |
| 1/4"    | 1/8"        | 126-0402        | <b>1260402C</b> | 100     |
|         | 1/4"        | 126-0404        | <b>1260404C</b> | 100     |
|         | 3/8"        | 126-0406        | <b>1260406C</b> | 100     |
| 5/16"   | 1/4"        | 126-0504        | <b>1260504C</b> | 100     |
| 3/8"    | 1/4"        | 126-0604        | <b>1260604C</b> | 100     |
|         | 3/8"        | 126-0606        | <b>1260606C</b> | 50      |
|         | 1/2"        | 126-0608        | <b>1260608C</b> | 50      |
| 1/2"    | 3/8"        | 126-0806        | <b>1260806C</b> | 50      |
|         | 1/2"        | 126-0808        | <b>1260808C</b> | 50      |
| 3/4"    | 3/4"        | 126-1212        | <b>1261212C</b> | 25      |



- not recommended for water applications

## Male NPTF x Hose Barb 90° Elbow



| Hose ID | Male NPTF | Brass           |                              | Lead Free Brass <sup>2,3</sup><br>Part # |
|---------|-----------|-----------------|------------------------------|--|
|         |           | Previous Part # | Part #                       |  |
| 3/16"   | 1/8"      | EL15H1M         | <b>1290302C</b>              | ---                                      |
| 1/4"    | 1/8"      | EL2H1M          | <b>1290402C</b>              | ---                                      |
|         | 1/4"      | EL2H2M          | <b>1290404C</b>              | <b>1290404CLF</b>                        |
|         | 3/8"      | EL2H3M          | <b>1290406C</b>              | ---                                      |
| 5/16"   | 1/8"      | EL25H1M         | <b>1290502C</b>              | ---                                      |
|         | 1/4"      | EL25H2M         | <b>1290504C</b>              | ---                                      |
|         | 3/8"      | EL25H3M         | <b>1290506C</b>              | ---                                      |
| 3/8"    | 1/8"      | EL3H1M          | <b>1290602C</b>              | ---                                      |
|         | 1/4"      | EL3H2M          | <b>1290604C</b>              | <b>1290604CLF</b>                        |
|         | 3/8"      | EL3H3M          | <b>1290606C</b>              | <b>1290606CLF</b>                        |
|         | 1/2"      | EL3H4M          | <b>1290608C</b>              | ---                                      |
| 1/2"    | 1/4"      | EL4H2M          | <b>1290804C</b>              | ---                                      |
|         | 3/8"      | EL4H3M          | <b>1290806C</b>              | ---                                      |
|         | 1/2"      | EL4H4M          | <b>1290808C</b>              | ---                                      |
| 5/8"    | 3/8"      | EL5H3M          | <b>1291006C</b>              | ---                                      |
|         | 1/2"      | EL5H4M          | <b>1291008C</b>              | ---                                      |
| 3/4"    | 1/2"      | EL6H4M          | <b>1291208C</b>              | ---                                      |
|         | 3/4"      | EL6H6M          | <b>1291212C</b>              | ---                                      |
| 1"      | 3/4"      | EL8H6M          | <b>1291612C</b>              | ---                                      |
|         | 1"        | EL8H8M          | <b>1291616C</b> <sup>1</sup> | ---                                      |

<sup>1</sup> capped<sup>2</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400<sup>3</sup> NPT thread

| Hose ID | Male NPT | Stainless Steel |                  | Pkg Qty |
|---------|----------|-----------------|------------------|---------|
|         |          | Previous Part # | Part #           |         |
| 1/4"    | 1/8"     | EL2H1MSS        | <b>1290402SS</b> | 50      |
|         | 1/4"     | EL2H2MSS        | <b>1290404SS</b> | 50      |
| 3/8"    | 1/4"     | EL3H2MSS        | <b>1290604SS</b> | 50      |
|         | 3/8"     | EL3H3MSS        | <b>1290606SS</b> | 50      |
| 1/2"    | 1/4"     | EL4H2MSS        | <b>1290804SS</b> | 50      |
|         | 3/8"     | EL4H3MSS        | <b>1290806SS</b> | 50      |
|         | 1/2"     | EL4H4MSS        | <b>1290808SS</b> | 25      |
| 3/4"    | 1/2"     | EL6H4MSS        | <b>1291208SS</b> | 25      |
|         | 3/4"     | EL6H6MSS        | <b>1291212SS</b> | 25      |

## Female NPTF x Hose Barb 90° Elbow



| Hose ID | Female NPTF | Brass           |                 | Pkg Qty |
|---------|-------------|-----------------|-----------------|---------|
|         |             | Previous Part # | Part #          |         |
| 1/4"    | 1/8"        | 134-0402        | <b>1340402C</b> | 50      |
|         | 1/4"        | 134-0404        | <b>1340404C</b> | 50      |
| 3/8"    | 1/4"        | 134-0604        | <b>1340604C</b> | 50      |
|         | 3/8"        | 134-0606        | <b>1340606C</b> | 50      |
| 1/2"    | 1/4"        | 134-0804        | <b>1340804C</b> | 25      |
|         | 3/8"        | 134-0806        | <b>1340806C</b> | 25      |
|         | 1/2"        | 134-0808        | <b>1340808C</b> | 25      |
| 3/4"    | 3/4"        | 134-1212        | <b>1341212C</b> | 25      |

## Barbed 90° Elbow Splicers

| Hose ID     | Brass           |                 | 304 Stainless Steel |                  | Pkg Qty |
|-------------|-----------------|-----------------|---------------------|------------------|---------|
|             | Previous Part # | Part #          | Previous Part #     | Part #           |         |
| 1/8"        | 177-0202        | <b>1770202C</b> | 177-0202SS          | <b>1770202SS</b> | 25      |
| 3/16"       | 177-0303        | <b>1770303C</b> | 177-0303SS          | <b>1770303SS</b> | 25      |
| 1/4" x 1/8" | 177-0402        | <b>1770402C</b> | ---                 | ---              | 25      |
| 1/4"        | 177-0404        | <b>1770404C</b> | 177-0404SS          | <b>1770404SS</b> | 25      |
| 5/16"       | 177-0505        | <b>1770505C</b> | ---                 | ---              | 25      |
| 3/8" x 1/4" | 177-0604        | <b>1770604C</b> | ---                 | ---              | 25      |
| 3/8"        | 177-0606        | <b>1770606C</b> | 177-0606SS          | <b>1770606SS</b> | 25      |
| 1/2" x 3/8" | 177-0806        | <b>1770806C</b> | ---                 | ---              | 25      |
| 1/2"        | 177-0808        | <b>1770808C</b> | 177-0808SS          | <b>1770808SS</b> | 25      |
| 5/8"        | 177-1010        | <b>1771010C</b> | ---                 | ---              | 25      |
| 3/4" x 1/2" | 177-1208        | <b>1771208C</b> | ---                 | ---              | 25      |
| 3/4"        | 177-1212        | <b>1771212C</b> | ---                 | ---              | 25      |



brass



304 stainless steel

Industrial Hose  
Fittings

## Barbed Tee Splicers

| Hose ID     | Brass           |                              | Lead Free Brass<br>Part # | Pkg Qty |
|-------------|-----------------|------------------------------|---------------------------|---------|
|             | Previous Part # | Part #                       |                           |         |
| 1/8"        | 179-0202        | <b>1790202C</b>              | ---                       | 25      |
| 3/16"       | 179-0303        | <b>1790303C</b>              | ---                       | 100     |
| 1/4" x 1/8" | 179-0402        | <b>1790402C</b>              | ---                       | 25      |
| 1/4"        | 179-0404        | <b>1790404C</b>              | <b>1790404CLF</b>         | 25      |
| 5/16"       | 179-0505        | <b>1790505C</b>              | ---                       | 25      |
| 3/8" x 1/4" | 179-0604        | <b>1790604C</b> <sup>1</sup> | ---                       | 25      |
| 3/8" x 1/4" | ---             | <b>1790604BARB</b>           | ---                       | 25      |
| 3/8"        | 179-0606        | <b>1790606C</b>              | <b>1790606CLF</b>         | 25      |
| 1/2" x 3/8" | 179-0806        | <b>1790806C</b>              | ---                       | 25      |
| 1/2"        | 179-0808        | <b>1790808C</b>              | ---                       | 25      |
| 5/8"        | 179-1010        | <b>1791010C</b>              | ---                       | 25      |
| 3/4" x 1/2" | 179-1208        | <b>1791208C</b>              | ---                       | 25      |
| 3/4"        | 179-1212        | <b>1791212C</b>              | ---                       | 20      |

<sup>1</sup> drop leg has 1/4"-18 male NPTF thread

brass



brass with male NPTF



lead free brass



304 stainless steel

| Hose ID | 304 Stainless Steel |                  |
|---------|---------------------|------------------|
|         | Previous Part #     | Part #           |
| 1/8"    | 179-0202SS          | <b>1790202SS</b> |
| 3/16"   | 179-0303SS          | <b>1790303SS</b> |
| 1/4"    | 179-0404SS          | <b>1790404SS</b> |
| 3/8"    | 179-0606SS          | <b>1790606SS</b> |
| 1/2"    | 179-0808SS          | <b>1790808SS</b> |





## Male NPTF x Hose Barb 45° Elbow

| Hose ID | Male NPTF | Brass           |                 | Pkg Qty |
|---------|-----------|-----------------|-----------------|---------|
|         |           | Previous Part # | Part #          |         |
| 1/4"    | 1/8"      | 139-0402        | <b>1390402C</b> | 100     |
|         | 1/4"      | 139-0404        | <b>1390404C</b> | 25      |
| 3/8"    | 1/8"      | 139-0602        | <b>1390602C</b> | 100     |
|         | 1/4"      | 139-0604        | <b>1390604C</b> | 100     |
|         | 3/8"      | 139-0606        | <b>1390606C</b> | 25      |
| 1/2"    | 1/4"      | 139-0804        | <b>1390804C</b> | 25      |
|         | 3/8"      | 139-0806        | <b>1390806C</b> | 25      |
|         | 1/2"      | 139-0808        | <b>1390808C</b> | 25      |
| 3/4"    | 1/2"      | 139-1208        | <b>1391208C</b> | 25      |

## Male 45° SAE x Hose Barb



| Hose ID | Male UNF | Brass           |                 | Pkg Qty |
|---------|----------|-----------------|-----------------|---------|
|         |          | Previous Part # | Part #          |         |
| 3/16"   | 7/16"-20 | 142-0307        | <b>1420307C</b> | 100     |
| 1/4"    | 7/16"-20 | 142-0407        | <b>1420407C</b> | 100     |
|         | 5/8"-18  | 142-0410        | <b>1420410C</b> | 100     |
| 5/16"   | 1/2"-20  | 142-0508        | <b>1420508C</b> | 100     |
| 3/8"    | 5/8"-18  | 142-0610        | <b>1420610C</b> | 50      |
|         | 3/4"-16  | 142-0612        | <b>1420612C</b> | 50      |
| 1/2"    | 3/4"-16  | 142-0812        | <b>1420812C</b> | 50      |

## Female 45°SAE/37°JIC Swivel x Hose Barb



| Hose ID | Tube OD | Female UNF | Brass           |                               | Pkg Qty |
|---------|---------|------------|-----------------|-------------------------------|---------|
|         |         |            | Previous Part # | Part #                        |         |
| 3/16"   | 1/4"    | 7/16"-20   | 143-0307        | <b>1430307K</b>               | 100     |
| 1/4"    | 1/4"    | 7/16"-20   | 143-0407        | <b>1430407K</b>               | 100     |
|         | 1/4"    | 7/16"-20   | ---             | <b>1430407KLF<sup>1</sup></b> | ---     |
|         | 5/16"   | 1/2"-20    | 143-0408        | <b>1430408K</b>               | 100     |
| 5/16"   | 5/16"   | 1/2"-20    | 143-0508        | <b>1430508K</b>               | 50      |
| 3/8"    | 1/2"    | 3/4"-16    | 143-0612        | <b>1430612K</b>               | 100     |
| 1/2"    | 1/2"    | 3/4"-16    | 143-0812        | <b>1430812K</b>               | 100     |
|         | 5/8"    | 7/8"-14    | 143-0814        | <b>1430814K</b>               | 50      |

<sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

## Female 45° SAE Swivel x Hose Barb

| Hose ID | Tube OD | Female UNF | Brass           |                             | Pkg Qty |
|---------|---------|------------|-----------------|-----------------------------|---------|
|         |         |            | Previous Part # | Part #                      |         |
| 3/16"   | 3/16"   | 3/8"-24    | 144-0306        | <b>1440306K</b>             | 100     |
| 1/4"    | 3/8"    | 5/8"-18    | 144-0410        | <b>1440410K</b>             | 100     |
| 5/16"   | 3/8"    | 5/8"-18    | 144-0510        | <b>1440510K</b>             | 100     |
| 3/8"    | 3/8"    | 5/8"-18    | 144-0610        | <b>1440610K</b>             | 100     |
| 1/2"    | 1/2"    | 3/4"-16    | 144-0812        | <b>1440812K</b>             | 100     |
| 3/4"    | 3/4"    | 1-1/16"-14 | 144-1217        | <b>1441217K<sup>1</sup></b> | 25      |

<sup>1</sup> Notch in nut for SAE identification



Industrial Hose Fittings

## Female 37° JIC Swivel x Hose Barb

| Hose ID | Tube OD | Female UNF | Brass           |                 | Pkg Qty |
|---------|---------|------------|-----------------|-----------------|---------|
|         |         |            | Previous Part # | Part #          |         |
| 3/8"    | 3/8"    | 9/16"-18   | 145-0609        | <b>1450609K</b> | 100     |
| 3/4"    | 3/4"    | 1-1/16"-12 | 145-1217        | <b>1451217K</b> | 25      |



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## Female PTF-SAE Short Swivel x Hose Barb

| Hose ID | Female PTF-SAE Short | Brass           |                 | Pkg Qty |
|---------|----------------------|-----------------|-----------------|---------|
|         |                      | Previous Part # | Part #          |         |
| 1/4"    | 1/4"                 | 105-0404        | <b>1050404C</b> | 50      |
| 3/8"    | 1/4"                 | 105-0604        | <b>1050604C</b> | 50      |
|         | 3/8"                 | 105-0606        | <b>1050606C</b> | 50      |
| 1/2"    | 3/8"                 | 105-0806        | <b>1050806C</b> | 50      |
|         | 1/2"                 | 105-0808        | <b>1050808C</b> | 25      |

- swivel is for assembly convenience only, not for live swivel applications, **120 PSI** maximum



## Brass Ferrules for Air &amp; Fluid

• sold in package quantities only

| Ferrule ID | Ferrule Length | End Hole Size | Metal Gauge | Std Ind Part # | Bore/Crimp Diameter <sup>1</sup> | Previous Part # | Brass Part #   | Pkg Qty |
|------------|----------------|---------------|-------------|----------------|----------------------------------|-----------------|----------------|---------|
| .478"      | .688           | .328          | .024"       | 4750           | 0.450                            | 2004750C        | <b>BFM478</b>  | 50      |
| .500"      | 1              | .344          | .024"       | 7322           | 0.475                            | 2005005C        | <b>BFM500</b>  | 50      |
| .528"      | 1              | .375          | .024"       | 7323           | 0.500                            | 2005255C        | <b>BFM525</b>  | 50      |
| .528"      | 1              | .438          | .024"       | 7324           | 0.500                            | 2005310C        | <b>BFM531</b>  | 50      |
| .562"      | 1              | .438          | .024"       | 7325           | 0.525                            | 2005620C        | <b>BFM562</b>  | 50      |
| .593"      | 1              | .438          | .024"       | 7326           | 0.550                            | 2005930C        | <b>BFM593</b>  | 50      |
| .625"      | 1              | .438          | .024"       | 7327           | 0.575                            | 2006255C        | <b>BFM625</b>  | 50      |
| .656"      | 1              | .438          | .024"       | 7328           | 0.600                            | 2006560C        | <b>BFM656</b>  | 50      |
| .687"      | 1              | .500          | .024"       | 7329           | 0.625                            | 2006900C        | <b>BFM687</b>  | 50      |
| .718"      | 1              | .625          | .024"       | 7330           | 0.675                            | 2007180C        | <b>BFM718</b>  | 50      |
| .718"      | 1              | .500          | .024"       | 7330B          | 0.675                            | ---             | <b>BFM718B</b> | 50      |
| .750"      | 1              | .625          | .024"       | 7331           | 0.700                            | 2007505C        | <b>BFM750</b>  | 50      |
| .750"      | 1              | .500          | .024"       | 7331B          | 0.700                            | ---             | <b>BFM750B</b> | 50      |
| .781"      | 1              | .625          | .024"       | 7332           | 0.725                            | 2007810C        | <b>BFM781</b>  | 50      |
| .781"      | 1              | .500          | .024"       | 7332B          | 0.725                            | ---             | <b>BFM781B</b> | 50      |
| .812"      | 1              | .625          | .024"       | 7333           | 0.750                            | 2008120C        | <b>BFM812</b>  | 50      |
| .380"      | .500           | .266          | .016"       | 622            | 0.350                            | ---             | <b>BFL380</b>  | 50      |
| .400"      | .469           | .266          | .020"       | 619            | 0.375                            | 2004000C        | <b>BFL400</b>  | 50      |
| .410"      | .500           | .266          | .016"       | 620            | 0.375                            | ---             | <b>BFL410</b>  | 50      |
| .450"      | .469           | .344          | .016"       | 769            | 0.425                            | 2004530C        | <b>BFL450</b>  | 50      |
| .500"      | .500           | .344          | .016"       | 624            | 0.450                            | 2005000C        | <b>BFL500</b>  | 50      |
| .525"      | .500           | .344          | .016"       | 625            | 0.475                            | 2005250C        | <b>BFL525</b>  | 50      |
| .548"      | .484           | .375          | .016"       | 626            | 0.500                            | 2005500C        | <b>BFL548</b>  | 50      |
| .564"      | .750           | .375          | .019"       | 3588           | 0.525                            | ---             | <b>BFL564</b>  | 50      |
| .575"      | .484           | .469          | .019"       | KK             | 0.525                            | ---             | <b>BFL575</b>  | 50      |
| .600"      | .500           | .500          | .019"       | JJ             | 0.550                            | ---             | <b>BFL600</b>  | 50      |
| .625"      | .500           | .500          | .019"       | II             | 0.575                            | 2006250C        | <b>BFL625</b>  | 50      |
| .650"      | .500           | .500          | .019"       | HH             | 0.600                            | 2006500C        | <b>BFL650</b>  | 50      |
| .675"      | .516           | .500          | .019"       | GG             | 0.625                            | 2006750C        | <b>BFL675</b>  | 50      |
| .725"      | .531           | .500          | .019"       | EE             | 0.675                            | 2007250C        | <b>BFL725</b>  | 50      |
| .750"      | .531           | .500          | .019"       | DD             | 0.675                            | 2007500C        | <b>BFL750</b>  | 50      |
| .775"      | .531           | .500          | .016"       | CC             | 0.700                            | 2007750C        | <b>BFL775</b>  | 50      |

<sup>1</sup> Plain die bore diameter can be used as crimp spec  $\pm .005$ 

• For use with ribbed and plain dies on page 219

## Brass Ferrules for Fluid

• sold in package quantities only

| Ferrule ID | Ferrule Length | End Hole Size | Metal Gauge | Std Ind Part # | Ribbed Die* | Plain Die* | Bore/Crimp Diameter <sup>1</sup> | Previous Part # | Brass Part #    | Pkg Qty |
|------------|----------------|---------------|-------------|----------------|-------------|------------|----------------------------------|-----------------|-----------------|---------|
| .800"      | .844"          | .688"         | .024"       | ---            | <b>R28</b>  | <b>P29</b> | 0.750                            | ---             | <b>BF800</b>    | 25      |
| .825"      | .844"          | .688"         | .024"       | ---            | <b>R27</b>  | <b>P28</b> | 0.775                            | ---             | <b>BF825</b>    | 25      |
| .850"      | .563"          | .688"         | .019"       | Z              | <b>R26</b>  | <b>P27</b> | 0.800                            | ---             | <b>BF850</b>    | 25      |
| .875"      | .844"          | .688"         | .024"       | 7244A          | <b>R25</b>  | <b>P26</b> | 0.825                            | 2008750C        | <b>BFW875</b>   | 25      |
| .900"      | .844"          | .688"         | .024"       | 5029A          | <b>R24</b>  | <b>P25</b> | 0.850                            | ---             | <b>BFW900</b>   | 25      |
| .937"      | .844"          | .688"         | .024"       | 7242A          | <b>R23</b>  | <b>P24</b> | 0.875                            | 2009250C        | <b>BFW925</b>   | 25      |
| .975"      | .844"          | .688"         | .024"       | 5028A          | <b>R21</b>  | <b>P22</b> | 0.925                            | 2009750C        | <b>BFW975</b>   | 25      |
| 1.025"     | .844"          | .693"         | .024"       | 7114A          | <b>R19</b>  | <b>P20</b> | 0.975                            | 2001025C        | <b>BFW1025</b>  | 25      |
| 1.175"     | .844"          | .875"         | .024"       | 7088A          | <b>R13</b>  | <b>P14</b> | 1.125                            | 2001175C        | <b>BFW1175</b>  | 25      |
| 1.050"     | .625"          | .750"         | .025"       | 3605           | <b>R18</b>  | <b>P19</b> | 1.000                            | ---             | <b>BFMW1050</b> | 25      |
| 1.100"     | .844"          | .812"         | .024"       | 5027A          | <b>R16</b>  | <b>P17</b> | 1.050                            | 2001100C        | <b>BFMW1100</b> | 25      |
| 1.150"     | .844"          | .875"         | .024"       | 7104A          | <b>R15</b>  | <b>P15</b> | 1.100                            | 2009950C        | <b>BFMW1150</b> | 25      |
| 1.225"     | .875"          | .875"         | .025"       | 875-K          | <b>R11</b>  | <b>P12</b> | 1.175                            | 2001225C        | <b>BFMW1225</b> | 25      |
| 1.275"     | .875"          | 1.000"        | .025"       | 875-I          | <b>R9</b>   | <b>P10</b> | 1.225                            | ---             | <b>BFMW1275</b> | 25      |
| 1.400"     | .687"          | 1.125"        | .019"       | D              | <b>R4</b>   | <b>P5</b>  | 1.350                            | ---             | <b>BFMW1400</b> | 25      |
| 1.500"     | .875"          | 1.125"        | .025"       | 1500           | ---         | <b>P1</b>  | 1.450                            | 2001500C        | <b>BFMW1500</b> | 25      |

<sup>1</sup> Plain die bore diameter can be used as crimp spec  $\pm .005$ 

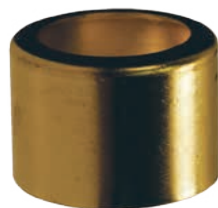
• For use with ribbed and plain dies on page 219



BFM



BFL



BFMW

## Ribbed and Plain Dies

| Ferrule ID | Std Ind Part # | Bore/Crimp Diameter <sup>1</sup> | Ribbed Die | Plain Die  |
|------------|----------------|----------------------------------|------------|------------|
| .478"      | 4750           | 0.450                            | <b>R41</b> | <b>P42</b> |
| .500"      | 7322           | 0.475                            | <b>R40</b> | <b>P40</b> |
| .528"      | 7323           | 0.500                            | <b>R39</b> | <b>P39</b> |
| .528"      | 7324           | 0.500                            | <b>R39</b> | <b>P39</b> |
| .562"      | 7325           | 0.525                            | <b>R37</b> | <b>P38</b> |
| .593"      | 7326           | 0.550                            | <b>R36</b> | <b>P37</b> |
| .625"      | 7327           | 0.575                            | <b>R35</b> | <b>P36</b> |
| .656"      | 7328           | 0.600                            | <b>R34</b> | <b>P35</b> |
| .687"      | 7329           | 0.625                            | <b>R33</b> | <b>P34</b> |
| .718"      | 7330           | 0.675                            | <b>R31</b> | <b>P32</b> |
| .718"      | 7330B          | 0.675                            | <b>R31</b> | <b>P32</b> |
| .750"      | 7331           | 0.700                            | <b>R30</b> | <b>P31</b> |
| .750"      | 7331B          | 0.700                            | <b>R30</b> | <b>P31</b> |
| .781"      | 7332           | 0.725                            | <b>R29</b> | <b>P30</b> |
| .781"      | 7332B          | 0.725                            | <b>R29</b> | <b>P30</b> |
| .812"      | 7333           | 0.750                            | <b>R28</b> | <b>P29</b> |
| .380"      | 622            | 0.350                            | <b>R44</b> | <b>P45</b> |
| .400"      | 619            | 0.375                            | <b>R44</b> | <b>P44</b> |
| .410"      | 620            | 0.375                            | <b>R43</b> | <b>P44</b> |
| .450"      | 769            | 0.425                            | <b>R41</b> | <b>P42</b> |
| .500"      | 624            | 0.450                            | <b>R40</b> | <b>P41</b> |
| .525"      | 625            | 0.475                            | <b>R39</b> | <b>P40</b> |
| .548"      | 626            | 0.500                            | <b>R38</b> | <b>P39</b> |
| .564"      | 3588           | 0.525                            | <b>R37</b> | <b>P38</b> |
| .575"      | KK             | 0.525                            | <b>R37</b> | <b>P38</b> |
| .600"      | JJ             | 0.550                            | <b>R36</b> | <b>P37</b> |
| .625"      | II             | 0.575                            | <b>R35</b> | <b>P36</b> |
| .650"      | HH             | 0.600                            | <b>R34</b> | <b>P35</b> |
| .675"      | GG             | 0.625                            | <b>R34</b> | <b>P34</b> |
| .725"      | EE             | 0.675                            | <b>R31</b> | <b>P32</b> |
| .750"      | DD             | 0.675                            | <b>R30</b> | <b>P32</b> |
| .775"      | CC             | 0.700                            | <b>R31</b> | <b>P31</b> |
| .800"      | ---            | 0.750                            | <b>R28</b> | <b>P29</b> |
| .825"      | ---            | 0.775                            | <b>R27</b> | <b>P28</b> |
| .850"      | Z              | 0.800                            | <b>R26</b> | <b>P27</b> |
| .875"      | 7244A          | 0.825                            | <b>R25</b> | <b>P26</b> |
| .900"      | 5029A          | 0.850                            | <b>R24</b> | <b>P25</b> |
| .937"      | 7242A          | 0.875                            | <b>R23</b> | <b>P24</b> |
| .975"      | 5028A          | 0.925                            | <b>R21</b> | <b>P22</b> |
| 1.025"     | 7114A          | 0.975                            | <b>R19</b> | <b>P20</b> |
| 1.175"     | 7088A          | 1.125                            | <b>R13</b> | <b>P14</b> |
| 1.050"     | 3605           | 1.000                            | <b>R18</b> | <b>P19</b> |
| 1.100"     | 5027A          | 1.050                            | <b>R16</b> | <b>P17</b> |
| 1.150"     | 7104A          | 1.100                            | <b>R15</b> | <b>P15</b> |
| 1.225"     | 875-K          | 1.175                            | <b>R11</b> | <b>P12</b> |
| 1.275"     | 875-I          | 1.225                            | <b>R9</b>  | <b>P10</b> |
| 1.400"     | D              | 1.350                            | <b>R4</b>  | <b>P5</b>  |
| 1.500"     | 1500           | 1.450                            | ---        | <b>P1</b>  |

<sup>1</sup> Plain die bore diameter can be used as crimp spec  $\pm .005$

- dies for use with 5111A and 1765A ferrule machines. Other sizes are available.



P29



R28

## Manually - Operated Brass Ferrule Crimper

Industrial Hose  
Fittings**Features:**

- crimps all brass ferrules shown on page 218
- does not include dies
- Dies for ferrule machines are available in standard sets for all ferrules as tabulated (4 segments to a set), supplied with plain or ribbed crimping surface
- height: 27" with handle upright
- base: 8" x 3"
- body: 7 $\frac{3}{8}$ "

Part #

**5111A**

## Air Operated Brass Ferrule Crimper

**Features:**

- provides efficient mass production assembly of hose, ferrules, and fittings
- The foot pedal permits the use of both hands, reduces fatigue and speeds production.
- complete with air cylinder, ferrule machine (less dies), fitted hose lengths and necessary control valves
- ready for work bench installation
- crimps all brass ferrules shown on page 218

Part #

**1765A**

Die sizes for ferrules and machine numbers 1765A and 5111A are on page 219.

## Small Hose Crimpers

**Features:**

- Hose crimper provides "big tool" crimping advantages at a fraction of the cost.
- rugged, portable and easy to use
- 855 crimper with 5 dies for 31/64" (0.484") to 45/64" (0.703") OD hose
- 855A crimper with 5 dies for 28/64" (0.437") to 43/64" (0.671") OD hose
- optional dies up to 52/64" OD available


 Industrial Hose  
Fittings

| Previous Part # | Part #      |
|-----------------|-------------|
| 200FC           | <b>855</b>  |
| ---             | <b>855A</b> |

## Small Hose Crimper Dies

| Die Bore | Hose OD |       | Crimper #<br><b>855</b> | Crimper #<br><b>855A</b> | Previous<br>Part # | Die Part #    |
|----------|---------|-------|-------------------------|--------------------------|--------------------|---------------|
|          | from    | to    |                         |                          |                    |               |
| .375"    | .385"   | .406" | optional                | optional                 | 200FC3             | <b>856-10</b> |
| .437"    | .447"   | .468" | optional                | standard                 | ---                | <b>856-7</b>  |
| .484"    | .490"   | .520" | standard                | standard                 | 200FC4A            | <b>856-4</b>  |
| .531"    | .540"   | .562" | standard                | standard                 | 200FC4B            | <b>856-3</b>  |
| .578"    | .590"   | .625" | standard                | standard                 | 200FC5             | <b>856-2</b>  |
| .625"    | .640"   | .671" | standard                | standard                 | 200FC6A            | <b>856-1</b>  |
| .687"    | .690"   | .710" | standard                | optional                 | 200FC6B            | <b>856-5</b>  |
| .750"    | .760"   | .781" | optional                | optional                 | 200FC8A            | <b>856-8</b>  |
| .812"    | .820"   | .843" | optional                | optional                 | 200FC8B            | <b>856-9</b>  |





## Large Hose Crimper

**Features:**

- for crimping ½" to 1" ID hoses with larger OD's, from 11/16" to 1½"
- crimps standard brass or aluminum ferrules
- order separate dies for each hose diameter
- **Dies sold separately**

Crimper Part #

**860**

## Crimper Dies

| Hose OD/<br>Finished Crimp Dimension | Hose OD |        | Die Part #    |
|--------------------------------------|---------|--------|---------------|
|                                      | From    | To     |               |
| 11/16"                               | .687"   | .765"  | <b>861-22</b> |
| 23/32"                               | .718"   | .796"  | <b>861-23</b> |
| 3/4"                                 | .750"   | .828"  | <b>861-24</b> |
| 25/32"                               | .781"   | .860"  | <b>861-25</b> |
| 13/16"                               | .812"   | .890"  | <b>861-26</b> |
| 27/32"                               | .843"   | .921"  | <b>861-27</b> |
| 7/8"                                 | .875"   | .953"  | <b>861-28</b> |
| 29/32"                               | .906"   | .985"  | <b>861-29</b> |
| 15/16"                               | .937"   | 1.010" | <b>861-30</b> |
| 31/32"                               | .968"   | 1.040" | <b>861-31</b> |
| 1"                                   | 1.000"  | 1.070" | <b>861-32</b> |
| 1-1/32"                              | 1.031"  | 1.110" | <b>861-33</b> |
| 1-1/16"                              | 1.062"  | 1.114" | <b>861-34</b> |
| 1-1/8"                               | 1.125"  | 1.208" | <b>861-36</b> |
| 1-3/16"                              | 1.187"  | 1.265" | <b>861-38</b> |
| 1-1/4"                               | 1.250"  | 1.321" | <b>861-40</b> |
| 1-5/16"                              | 1.312"  | 1.390" | <b>861-42</b> |
| 1-3/8"                               | 1.375"  | 1.453" | <b>861-44</b> |
| 1-7/16"                              | 1.437"  | 1.551" | <b>861-46</b> |
| 1-1/2"                               | 1.500"  | 1.578" | <b>861-48</b> |



## Push-On Hose Barb Fittings

Assembly Instructions:

1. Trim hose end with smooth square cut
2. Lubricate either push-on fitting, hose or both.
3. Insert push-on fitting into hose until first barb is in hose.
4. Place end of fitting against a flat object (bench, wall, etc.) and grip the hose one inch from end. Push with a steady force until end of hose is covered by yellow plastic cap.

Disassembly Instructions:

1. Leaving push-on fitting in place, make a 1" cut in the hose along the barbed end of the fitting. Note: Be careful not to nick barbs when cutting the hose.
2. With firm grip on hose, give a sharp downward pull to release the fitting from the hose.

• **intended for use with Lok-On (push-on style) hose only**

- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.

**Male NPTF x Hose Barb**

- refer to page 226 for Push-On garden hose thread fittings
- optional package quantity

| Hose ID | Male NPTF | Brass           |                       |         | Brass Cap Option |         | Lead Free Brass <sup>1,3</sup> |         |
|---------|-----------|-----------------|-----------------------|---------|------------------|---------|--------------------------------|---------|
|         |           | Previous Part # | Part #                | Pkg Qty | Part #           | Pkg Qty | Part #                         | Pkg Qty |
| 1/4"    | 1/8"      | BPN21           | 2720402C              | 100     | 2720402CBC       | 100     | 2720402CLF                     | 100     |
|         | 1/4"      | BPN22           | 2720404C              | 100     | 2720404CBC       | 100     | 2720404CLF                     | 100     |
|         | 3/8"      | BPN23           | 2720406C              | 50      | 2720406CBC       | 50      | ---                            | ---     |
| 5/16"   | 1/8"      | BPN251          | 2720502C              | 100     | ---              | ---     | ---                            | ---     |
|         | 1/4"      | BPN252          | 2720504C              | 50      | ---              | ---     | ---                            | ---     |
| 3/8"    | 1/8"      | BPN31           | 2720602C              | 100     | 2720602CBC       | 100     | ---                            | ---     |
|         | 1/4"      | BPN32           | 2720604C              | 50      | 2720604CBC       | 50      | 2720604CLF                     | 50      |
|         | 3/8"      | BPN33           | 2720606C              | 50      | 2720606CBC       | 50      | 2720606CLF                     | 50      |
|         | 1/2"      | BPN34           | 2720608C              | 25      | 2720608CBC       | 25      | ---                            | ---     |
|         | 3/4"      | BPN36           | 2720612C              | 25      | 2720612CBC       | 25      | ---                            | ---     |
| 1/2"    | 1/4"      | BPN42           | 2720804C              | 25      | 2720804CBC       | 25      | ---                            | ---     |
|         | 3/8"      | BPN43           | 2720806C              | 25      | 2720806CBC       | 25      | 2720806CLF                     | 50      |
|         | 1/2"      | BPN44           | 2720808C              | 50      | 2720808CBC       | 50      | 2720808CLF                     | 25      |
|         | 3/4"      | BPN46           | 2720812C              | 50      | 2720812CBC       | 50      | ---                            | ---     |
| 5/8"    | 3/8"      | BPN53           | 2721006C              | 25      | 2721006CBC       | 25      | ---                            | ---     |
|         | 1/2"      | BPN54           | 2721008C              | 25      | 2721008CBC       | 25      | ---                            | ---     |
|         | 3/4"      | BPN56           | 2721012C              | 25      | 2721012CBC       | 25      | ---                            | ---     |
| 3/4"    | 1/2"      | BPN64           | 2721208C              | 25      | 2721208CBC       | 25      | ---                            | ---     |
|         | 3/4"      | BPN66           | 2721212C              | 25      | 2721212CBC       | 25      | ---                            | ---     |
| 1"      | 3/4"      | BPN86           | 2721612C              | 10      | ---              | ---     | ---                            | ---     |
|         | 1"        | BPN88           | 2721616C <sup>2</sup> | 10      | ---              | ---     | ---                            | ---     |

| Hose ID | Male NPT | 303 Stainless Steel |                        | Pkg Qty |
|---------|----------|---------------------|------------------------|---------|
|         |          | Previous Part #     | Part #                 |         |
| 1/4"    | 1/8"     | RPN21               | 2720402SS              | 100     |
|         | 1/4"     | RPN22               | 2720404SS              | 100     |
| 3/8"    | 1/4"     | RPN32               | 2720604SS              | 50      |
|         | 3/8"     | RPN33               | 2720606SS              | 50      |
| 1/2"    | 1/4"     | RPN42               | 2720804SS              | 25      |
|         | 3/8"     | RPN43               | 2720806SS              | 50      |
|         | 1/2"     | RPN44               | 2720808SS              | 25      |
| 3/4"    | 1/2"     | RPN64               | 2721208SS              | 25      |
|         | 3/4"     | RPN66               | 2721212SS              | 20      |
| 1"      | 1"       | RPN88               | 2721616SS <sup>2</sup> | 5       |

<sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> capped

<sup>3</sup> NPT threads 272LF

**Male NPTF Swivel x Hose Barb**

| Hose ID | Male NPTF | Brass           |          | Pkg Qty |
|---------|-----------|-----------------|----------|---------|
|         |           | Previous Part # | Part #   |         |
| 1/4"    | 1/8"      | 271-0402        | 2710402C | 100     |
|         | 1/4"      | 271-0404        | 2710404C | 50      |
| 3/8"    | 1/4"      | 271-0604        | 2710604C | 50      |
|         | 3/8"      | 271-0606        | 2710606C | 50      |
| 1/2"    | 3/8"      | 271-0806        | 2710806C | 25      |
|         | 1/2"      | 271-0808        | 2710808C | 20      |
| 3/4"    | 3/4"      | 271-1212        | 2711212C | 10      |

- swivel is for assembly convenience only, not for live swivel applications, **120 PSI** maximum



brass



brass cap



303 stainless steel



## Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



## Male NPTF x Hose Barb 90° Elbow



| Hose ID | Male NPTF | Brass           |                 | Pkg Qty |
|---------|-----------|-----------------|-----------------|---------|
|         |           | Previous Part # | Part #          |         |
| 1/4"    | 1/8"-27   | 273-0402        | <b>2730402C</b> | 100     |
|         | 1/4"-18   | 273-0404        | <b>2730404C</b> | 50      |
| 3/8"    | 1/8"-27   | 273-0602        | <b>2730602C</b> | 50      |
|         | 1/4"-18   | 273-0604        | <b>2730604C</b> | 50      |
|         | 3/8"-18   | 273-0606        | <b>2730606C</b> | 25      |
| 1/2"    | 3/8"-18   | 273-0806        | <b>2730806C</b> | 25      |
|         | 1/2"-14   | 273-0808        | <b>2730808C</b> | 25      |
| 3/4"    | 1/2"-14   | 273-1208        | <b>2731208C</b> | 10      |
|         | 3/4"-14   | 273-1212        | <b>2731212C</b> | 10      |

## Female NPTF x Hose Barb

- refer to page 226 for Push-On garden hose thread fittings

| Hose ID | Female NPTF | Brass           |                               | Pkg Qty |
|---------|-------------|-----------------|-------------------------------|---------|
|         |             | Previous Part # | Part #                        |         |
| 1/4"    | 1/8"        | BPF21           | <b>2740402C</b>               | 100     |
|         | 1/8"        | ---             | <b>2740402CBC<sup>1</sup></b> | ---     |
|         | 1/4"        | BPF22           | <b>2740404C</b>               | 100     |
|         | 1/4"        | ---             | <b>2740404CBC<sup>1</sup></b> | ---     |
|         | 3/8"        | BPF23           | <b>2740406C</b>               | 50      |
|         | 3/8"        | ---             | <b>2740406CBC<sup>1</sup></b> | ---     |
| 5/16"   | 1/8"        | BPF251          | <b>2740502C</b>               | 100     |
|         | 1/4"        | BPF252          | <b>2740504C</b>               | 50      |
| 3/8"    | 1/8"        | BPF31           | <b>2740602C</b>               | 50      |
|         | 1/8"        | ---             | <b>2740602CBC<sup>1</sup></b> | ---     |
|         | 1/4"        | BPF32           | <b>2740604C</b>               | 50      |
|         | 1/4"        | ---             | <b>2740604CBC<sup>1</sup></b> | ---     |
|         | 3/8"        | BPF33           | <b>2740606C</b>               | 50      |
|         | 3/8"        | ---             | <b>2740606CBC<sup>1</sup></b> | ---     |
|         | 1/2"        | BPF34           | <b>2740608C</b>               | 50      |
|         | 3/4"        | BPF36           | <b>2740612C</b>               | 25      |
| 1/2"    | 1/4"        | BPF42           | <b>2740804C</b>               | 50      |
|         | 1/4"        | ---             | <b>2740804CBC<sup>1</sup></b> | 50      |
|         | 3/8"        | BPF43           | <b>2740806C</b>               | 50      |
|         | 3/8"        | ---             | <b>2740806CBC<sup>1</sup></b> | ---     |
|         | 1/2"        | BPF44           | <b>2740808C</b>               | 25      |
|         | 1/2"        | ---             | <b>2740808CBC<sup>1</sup></b> | ---     |
|         | 3/4"        | BPF46           | <b>2740812C</b>               | 25      |
|         | 3/4"        | ---             | <b>2740812CBC<sup>1</sup></b> | ---     |
| 5/8"    | 3/8"        | BPF53           | <b>2741006C</b>               | 25      |
|         | 1/2"        | BPF54           | <b>2741008C</b>               | 25      |
|         | 1/2"        | ---             | <b>2741008CBC<sup>1</sup></b> | ---     |
|         | 3/4"        | BPF56           | <b>2741012C</b>               | 25      |
| 3/4"    | 1/2"        | BPF64           | <b>2741208C</b>               | 25      |
|         | 3/4"        | BPF66           | <b>2741212C</b>               | 25      |
|         | 3/4"        | ---             | <b>2741212CBC<sup>1</sup></b> | ---     |
| 1"      | 3/4"        | BPF86           | <b>2741612C</b>               | 10      |
|         | 1"          | BPF88           | <b>2741616C</b>               | 10      |

<sup>1</sup> brass cap on CBC parts



brass cap

## Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



## Female NPSM Swivel x Hose Barb Ball Seat

| Hose ID | Female NPSM | Brass           |                         | Pkg Qty |
|---------|-------------|-----------------|-------------------------|---------|
|         |             | Previous Part # | Part #                  |         |
| 1/4"    | 1/8"        | BPFS21          | 2780402C                | 100     |
|         | 1/8"        | ---             | 2780402CBC <sup>1</sup> | 100     |
|         | 1/4"        | BPFS22          | 2780404C                | 50      |
|         | 1/4"        | ---             | 2780404CBC <sup>1</sup> | 50      |
|         | 3/8"        | BPFS23          | 2780406C                | 50      |
|         | 3/8"        | ---             | 2780406CBC <sup>1</sup> | 50      |
| 3/8"    | 1/4"        | BPFS32          | 2780604C                | 50      |
|         | 1/4"        | ---             | 2780604CBC <sup>1</sup> | 50      |
|         | 3/8"        | BPFS33          | 2780606C                | 50      |
|         | 3/8"        | ---             | 2780606CBC <sup>1</sup> | 50      |
|         | 1/2"        | BPFS34          | 2780608C                | 25      |
|         | 1/2"        | ---             | 2780608CBC <sup>1</sup> | 25      |
| 1/2"    | 1/2"        | BPFS44          | 2780808C                | 50      |
|         | 1/2"        | ---             | 2780808CBC <sup>1</sup> | 50      |
|         | 3/4"        | BPFS46          | 2780812C                | 25      |
|         | 3/4"        | ---             | 2780812CBC <sup>1</sup> | 20      |
| 5/8"    | 3/4"        | BPFS56          | 2781012C                | 20      |
| 3/4"    | 3/4"        | BPFS66          | 2781212C                | 20      |
|         | 3/4"        | ---             | 2781212CBC <sup>1</sup> | ---     |

<sup>1</sup> brass cap on CBC parts



brass cap

Industrial Hose Fittings

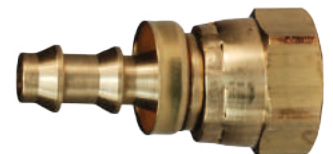
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## Female NPSM Swivel x Hose Barb Gasket Seat

| Hose ID | Female NPSM | Brass           |                         | Pkg Qty |
|---------|-------------|-----------------|-------------------------|---------|
|         |             | Previous Part # | Part #                  |         |
| 1/4"    | 1/8"        | 280-0402        | 2800402C                | 100     |
|         | 1/8"        | ---             | 2800402CBC <sup>1</sup> | 100     |
|         | 1/4"        | 280-0404        | 2800404C                | 100     |
|         | 1/4"        | ---             | 2800404CBC <sup>1</sup> | 100     |
| 3/8"    | 1/4"        | 280-0604        | 2800604C                | 50      |
|         | 1/4"        | ---             | 2800604CBC <sup>1</sup> | 50      |
|         | 3/8"        | 280-0606        | 2800606C                | 50      |
|         | 3/8"        | ---             | 2800606CBC <sup>1</sup> | 50      |
|         | 1/2"        | 280-0608        | 2800608C                | 50      |
|         | 1/2"        | ---             | 2800608CBC <sup>1</sup> | 50      |
| 1/2"    | 1/2"        | 280-0808        | 2800808C                | 25      |
|         | 1/2"        | ---             | 2800808CBC <sup>1</sup> | 25      |
| 5/8"    | 1/2"        | 280-1008        | 2801008C                | 25      |
| 3/4"    | 3/4"        | 280-1212        | 2801212C                | 20      |
|         | 3/4"        | ---             | 2801212CBC <sup>1</sup> | 20      |

<sup>1</sup> brass cap on CBC parts

- not recommended for use with water



brass cap

## Hose Menders

| Hose ID | Brass           |                         | 303 Stainless Steel |           | Pkg Qty |
|---------|-----------------|-------------------------|---------------------|-----------|---------|
|         | Previous Part # | Part #                  | Previous Part #     | Part #    |         |
| 1/4"    | BPM2            | 2960404C                | SSPM2               | 2960404SS | 100     |
|         | ---             | 2960404CBC <sup>1</sup> | ---                 | ---       | 100     |
| 5/16"   | BPM25           | 2960505C                | ---                 | ---       | 100     |
| 3/8"    | BPM3            | 2960606C                | SSPM3               | 2960606SS | 50      |
|         | ---             | 2960606CBC <sup>1</sup> | ---                 | ---       | 50      |
| 1/2"    | BPM4            | 2960808C                | SSPM4               | 2960808SS | 50      |
|         | ---             | 2960808CBC <sup>1</sup> | ---                 | ---       | 50      |
| 5/8"    | BPM5            | 2961010C                | SSPM5               | ---       | 20      |
|         | ---             | 2961010CBC <sup>1</sup> | ---                 | ---       | 20      |
| 3/4"    | BPM6            | 2961212C                | SSPM6               | ---       | 15      |
|         | ---             | 2961212CBC <sup>1</sup> | ---                 | ---       | 15      |
| 1"      | BPM8            | 2961616C                | ---                 | ---       | 10      |

<sup>1</sup> brass cap on CBC parts

- for Tuff-Lite™ hose menders in nylon and polypropylene see page 252



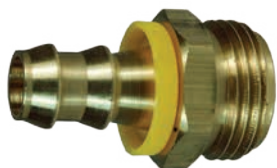
brass cap

## Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



## Lok-On Male Garden Hose Fittings



| Hose ID | GHT Thread | Brass           |                 |
|---------|------------|-----------------|-----------------|
|         |            | Previous Part # | Part #          |
| 1/2"    | 3/4"       | 572-0812        | <b>5720812C</b> |
| 5/8"    | 3/4"       | 572-1012        | <b>5721012C</b> |
| 3/4"    | 3/4"       | 572-1212        | <b>5721212C</b> |

## Lok-On Female Swivel Garden Hose Fittings



| Hose ID | GHT Thread | Brass           |                 |
|---------|------------|-----------------|-----------------|
|         |            | Previous Part # | Part #          |
| 1/2"    | 3/4"       | 574-0812        | <b>5740812C</b> |
| 5/8"    | 3/4"       | 574-1012        | <b>5741012C</b> |
| 3/4"    | 3/4"       | 574-1212        | <b>5741212C</b> |

## Lok-On Garden Hose Fitting Sets

## Feature:

- washer included, part # **5911212W** on page 242



| Hose ID | GHT Thread | Brass           |                 |
|---------|------------|-----------------|-----------------|
|         |            | Previous Part # | Part #          |
| 1/2"    | 3/4"       | 575-0808        | <b>5750808K</b> |
| 5/8"    | 3/4"       | 575-1010        | <b>5751010K</b> |
| 3/4"    | 3/4"       | 575-1212        | <b>5751212K</b> |

## SAE Thread Size to UNF Thread Size Interchange

| SAE Thread Number | SAE Tube OD | UNF Thread Size | SAE Thread Number | SAE Tube OD | UNF Thread Size |
|-------------------|-------------|-----------------|-------------------|-------------|-----------------|
| 02                | 1/8"        | 5/16"-24        | 07                | 7/16"       | 11/16"-24       |
| 03                | 3/16"       | 3/8"-24         | 08                | 1/2"        | 3/4"-16         |
| 04                | 1/4"        | 7/16"-20        | 10                | 5/8"        | 7/8"-14         |
| 05                | 5/16"       | 1/2"-20         | 12                | 3/4"        | 1-1/16"-14      |
| 06                | 3/8"        | 5/8"-18         | ---               | ---         | ---             |

## Male 45° SAE Swivel x Hose Barb



brass cap

| Hose ID | Tube OD | Male UNF                | Brass           |                               | Pkg Qty |
|---------|---------|-------------------------|-----------------|-------------------------------|---------|
|         |         |                         | Previous Part # | Part #                        |         |
| 1/4"    | 1/4"    | 7/16"-20                | 282-0407        | <b>2820407C</b>               | 100     |
|         | 1/4"    | 7/16"-20                | ---             | <b>2820407CBC<sup>2</sup></b> | 100     |
|         | 5/16"   | 1/2"-20                 | 282-0408        | <b>2820408C</b>               | 100     |
|         | 5/16"   | 1/2"-20                 | ---             | <b>2820408CBC<sup>2</sup></b> | 100     |
| 3/8"    | 3/8"    | 5/8"-18 <sup>1</sup>    | 282-0610        | <b>2820610C</b>               | 50      |
|         | 3/8"    | 5/8"-18 <sup>1</sup>    | ---             | <b>2820610CBC<sup>2</sup></b> | 100     |
| 1/2"    | 1/2"    | 3/4"-16                 | 282-0812        | <b>2820812C</b>               | 50      |
|         | 1/2"    | 3/4"-16                 | ---             | <b>2820812CBC<sup>2</sup></b> | 50      |
| 5/8"    | 5/8"    | 7/8"-14                 | 282-1014        | <b>2821014C</b>               | 25      |
|         | 5/8"    | 7/8"-14                 | ---             | <b>2821014CBC<sup>2</sup></b> | 25      |
| 3/4"    | 3/4"    | 1-1/16"-14 <sup>1</sup> | 282-1217        | <b>2821217C</b>               | 25      |
|         | 3/4"    | 1-1/16"-14 <sup>1</sup> | ---             | <b>2821217CBC<sup>2</sup></b> | 25      |

<sup>1</sup> notch in nut for SAE identification<sup>2</sup> brass cap on CBC parts



## Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



## Female 45° SAE Swivel x Hose Barb

- SAE thread size to UNF thread size interchange chart on previous page

| Hose ID | Tube OD | Female UNF              | Brass           |                               | Pkg Qty |
|---------|---------|-------------------------|-----------------|-------------------------------|---------|
|         |         |                         | Previous Part # | Part #                        |         |
| 1/4"    | 3/8"    | 5/8"-18 <sup>1</sup>    | 284-0410        | <b>2840410C</b>               | 50      |
|         | 3/8"    | 5/8"-18 <sup>1</sup>    | ---             | <b>2840410CBC<sup>2</sup></b> | ---     |
| 5/16"   | 3/8"    | 5/8"-18 <sup>1</sup>    | 284-0510        | <b>2840510C</b>               | 50      |
| 3/8"    | 3/8"    | 5/8"-18 <sup>1</sup>    | 284-0610        | <b>2840610C</b>               | 100     |
|         | 3/8"    | 5/8"-18 <sup>1</sup>    | ---             | <b>2840610CBC<sup>2</sup></b> | ---     |
| 3/4"    | 3/4"    | 1-1/16"-14 <sup>1</sup> | 284-1217        | <b>2841217C</b>               | 25      |
|         | 3/4"    | 1-1/16"-14 <sup>1</sup> | ---             | <b>2841217CBC<sup>2</sup></b> | ---     |

<sup>1</sup> notch in nut for SAE identification

<sup>2</sup> brass cap on CBC parts



brass cap

## JIC Thread Size to UNF Thread Size Interchange

| JIC Thread Number | JIC Tube OD | UNF Thread Size | JIC Thread Number | JIC Tube OD | UNF Thread Size |
|-------------------|-------------|-----------------|-------------------|-------------|-----------------|
| 02                | 1/8"        | 5/16" - 24      | 12                | 3/4"        | 1-1/16" - 12    |
| 03                | 3/16"       | 3/8" - 24       | 14                | 7/8"        | 1-3/16" - 12    |
| 04                | 1/4"        | 7/16" - 20      | 16                | 1"          | 1-5/16" - 12    |
| 05                | 5/16"       | 1/2" - 20       | 20                | 1-1/4"      | 1-5/8" - 12     |
| 06                | 3/8"        | 9/16" - 18      | 24                | 1-1/2"      | 1-7/8" - 12     |
| 08                | 1/2"        | 3/4" - 16       | 28                | 1-3/4"      | 2-1/4" - 12     |
| 10                | 5/8"        | 7/8" - 14       | 32                | 2"          | 2-1/2" - 12     |

## Male 37° JIC x Hose Barb

| Hose ID | Tube OD | Male UNF   | Brass           |                                  | Pkg Qty |
|---------|---------|------------|-----------------|----------------------------------|---------|
|         |         |            | Previous Part # | Part #                           |         |
| 1/4"    | 1/4"    | 7/16"-20   | 286-0407        | <b>2860407C</b>                  | 100     |
|         | 1/4"    | 7/16"-20   | ---             | <b>2860407CBC<sup>2</sup></b>    | ---     |
|         | 5/16"   | 1/2"-20    | 286-0408        | <b>2860408C</b>                  | 50      |
|         | 3/8"    | 9/16"-18   | 286-0409        | <b>2860409C</b>                  | 100     |
| 3/8"    | 3/8"    | 9/16"-18   | ---             | <b>2860409CBC<sup>2</sup></b>    | ---     |
|         | 3/8"    | 9/16"-18   | 286-0609        | <b>2860609C</b>                  | 50      |
| 1/2"    | 1/2"    | 3/4"-16    | ---             | <b>2860609CBC<sup>2</sup></b>    | ---     |
|         | 1/2"    | 3/4"-16    | 286-0812        | <b>2860812C</b>                  | 25      |
| 5/8"    | 5/8"    | 7/8"-14    | ---             | <b>2860812CBC<sup>2</sup></b>    | ---     |
|         | 5/8"    | 7/8"-14    | 286-1014        | <b>2861014C</b>                  | 25      |
| 3/4"    | 3/4"    | 1-1/16"-12 | ---             | <b>2861014CBC<sup>2</sup></b>    | ---     |
|         | 3/4"    | 1-1/16"-12 | 286-1217        | <b>2861217C<sup>1</sup></b>      | 10      |
|         |         |            | ---             | <b>2861217CBC<sup>1, 2</sup></b> | ---     |

<sup>1</sup> UN Thread

<sup>2</sup> brass cap on CBC parts



brass cap



## Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



## Female 45°SAE/37°JIC Swivel x Hose Barb

| Hose ID | Tube OD | Female UNF | Brass           |                                |         | Lead Free Brass <sup>1</sup><br>Part # |
|---------|---------|------------|-----------------|--------------------------------|---------|--|
|         |         |            | Previous Part # | Part #                         | Pkg Qty |  |
| 1/4"    | 1/4"    | 7/16"-20   | 287-0407        | <b>2870407C</b>                | 100     | <b>2870407CLF</b>                      |
|         | 1/4"    | 7/16"-20   | ---             | <b>2870407CBC</b> <sup>2</sup> | 100     | ---                                    |
|         | 5/16"   | 1/2"-20    | 287-0408        | <b>2870408C</b>                | 100     | ---                                    |
|         | 5/16"   | 1/2"-20    | ---             | <b>2870408CBC</b> <sup>2</sup> | ---     | ---                                    |
| 3/8"    | 5/16"   | 1/2"-20    | 287-0608        | <b>2870608C</b>                | 25      | ---                                    |
|         | 1/2"    | 3/4"-16    | 287-0612        | <b>2870612C</b>                | 25      | ---                                    |
|         | 1/2"    | 3/4"-16    | ---             | <b>2870612CBC</b> <sup>2</sup> | ---     | ---                                    |
| 1/2"    | 1/2"    | 3/4"-16    | 287-0812        | <b>2870812C</b>                | 25      | ---                                    |
|         | 1/2"    | 3/4"-16    | ---             | <b>2870812CBC</b> <sup>2</sup> | ---     | ---                                    |
|         | 5/8"    | 7/8"-14    | 287-0814        | <b>2870814C</b>                | 25      | ---                                    |
|         | 5/8"    | 7/8"-14    | ---             | <b>2870814CBC</b> <sup>2</sup> | ---     | ---                                    |
| 5/8"    | 5/8"    | 7/8"-14    | 287-1014        | <b>2871014C</b>                | 25      | ---                                    |
| 3/4"    | 5/8"    | 7/8"-14    | ---             | <b>2871014CBC</b> <sup>2</sup> | ---     | ---                                    |
|         | 5/8"    | 7/8"-14    | 287-1214        | <b>2871214C</b>                | 25      | ---                                    |
| 3/4"    | 5/8"    | 7/8"-14    | ---             | <b>2871214CBC</b> <sup>2</sup> | 25      | ---                                    |

| Hose ID | Tube OD | Female UNF | Stainless Steel |                  |
|---------|---------|------------|-----------------|------------------|
|         |         |            | Previous Part # | Part #           |
| 1/4"    | 1/4"    | 7/16"-20   | 287-0407SS      | <b>2870407SS</b> |
| 1/2"    | 1/2"    | 3/4"-16    | 287-0812SS      | <b>2870812SS</b> |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> brass cap on CBC parts

## Female 37° JIC Swivel x Hose Barb

| Hose ID | Tube OD | Female UNF              | Brass           |                                | Pkg Qty |
|---------|---------|-------------------------|-----------------|--------------------------------|---------|
|         |         |                         | Previous Part # | Part #                         |         |
| 1/4"    | 3/8"    | 9/16"-18                | 288-0409        | <b>2880409C</b>                | 50      |
|         | 3/8"    | 9/16"-18                | ---             | <b>2880409CBC</b> <sup>1</sup> | 50      |
| 5/16"   | 3/8"    | 9/16"-18                | 288-0509        | <b>2880509C</b>                | 50      |
| 3/8"    | 3/8"    | 9/16"-18                | 288-0609        | <b>2880609C</b>                | 50      |
|         | 3/8"    | 9/16"-18                | ---             | <b>2880609CBC</b> <sup>1</sup> | 100     |
| 1/2"    | 3/8"    | 9/16"-18                | 288-0809        | <b>2880809C</b>                | 25      |
| 3/4"    | 3/4"    | 1-1/16"-12 <sup>2</sup> | 288-1217        | <b>2881217C</b>                | 10      |
|         | 3/4"    | 1-1/16"-12 <sup>2</sup> | ---             | <b>2881217CBC</b> <sup>1</sup> | 10      |
| 1"      | 1"      | 1-5/16"-12 <sup>2</sup> | 288-1621        | <b>2881621C</b>                | 10      |

<sup>1</sup> brass cap on CBC parts

| Hose ID | Tube OD | Female UNF              | 303 Stainless Steel |                  |
|---------|---------|-------------------------|---------------------|------------------|
|         |         |                         | Previous Part #     | Part #           |
| 3/8"    | 3/8"    | 9/16"-18                | 288-0609SS          | <b>2880609SS</b> |
| 3/4"    | 3/4"    | 1-1/16"-12 <sup>2</sup> | 288-1217SS          | <b>2881217SS</b> |
| 1"      | 1"      | 1-5/16"-12 <sup>2</sup> | 288-1621SS          | <b>2881621SS</b> |

<sup>2</sup> UN Thread

## Female 37°JIC / 45° SAE Swivel x 90° Elbow

| Hose ID | Tube OD | Female UNF              | Plated Steel    |                                 | Pkg Qty |
|---------|---------|-------------------------|-----------------|---------------------------------|---------|
|         |         |                         | Previous Part # | Part #                          |         |
| 1/4"    | 1/4"    | 7/16"-20                | 289-0407        | <b>2890407C</b> <sup>2</sup>    | 25      |
|         | 1/4"    | 7/16"-20                | 289-0407SAE     | <b>2890407CSAE</b> <sup>1</sup> | 25      |
| 3/8"    | 3/8"    | 9/16"-18                | 289-0609        | <b>2890609C</b> <sup>2</sup>    | 25      |
|         | 3/8"    | 5/8"-18                 | 289-0610SAE     | <b>2890610CSAE</b> <sup>1</sup> | 25      |
| 1/2"    | 1/2"    | 3/4"-16                 | 289-0812        | <b>2890812C</b> <sup>2</sup>    | 10      |
| 3/4"    | 3/4"    | 1-1/16"-12 <sup>3</sup> | 289-1217        | <b>2891217C</b> <sup>2</sup>    | 5       |

<sup>1</sup> notch in nut for SAE identification

<sup>2</sup> JIC only, may substitute dual angle

<sup>3</sup> UN thread



plastic cap



brass cap



stainless steel



brass



303 stainless steel



## Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



## Male SAE Inverted Flare Swivel x Hose Barb

| Hose ID | Tube OD | Male UNF              | Brass           |                               | Pkg Qty |
|---------|---------|-----------------------|-----------------|-------------------------------|---------|
|         |         |                       | Previous Part # | Part #                        |         |
| 1/4"    | 3/16"   | 3/8"-24               | 290-0406        | <b>2900406C</b>               | 100     |
|         | 3/16"   | 3/8"-24               | ---             | <b>2900406CBC<sup>2</sup></b> | 100     |
|         | 1/4"    | 7/16"-24 <sup>1</sup> | 290-0407        | <b>2900407C</b>               | 100     |
|         | 1/4"    | 7/16"-24 <sup>1</sup> | ---             | <b>2900407CBC<sup>2</sup></b> | ---     |
|         | 5/16"   | 1/2"-20               | 290-0408        | <b>2900408C</b>               | 100     |
|         | 5/16"   | 1/2"-20               | ---             | <b>2900408CBC<sup>2</sup></b> | ---     |
| 5/16"   | 5/16"   | 1/2"-20               | 290-0508        | <b>2900508C</b>               | 50      |
|         | 3/8"    | 5/8"-18               | 290-0510        | <b>2900510C</b>               | 50      |
| 3/8"    | 5/16"   | 1/2"-20               | 290-0608        | <b>2900608C</b>               | 100     |
|         | 5/16"   | 1/2"-20               | ---             | <b>2900608CBC<sup>2</sup></b> | ---     |
|         | 3/8"    | 5/8"-18               | 290-0610        | <b>2900610C</b>               | 50      |
|         | 3/8"    | 5/8"-18               | ---             | <b>2900610CBC<sup>2</sup></b> | ---     |
| 1/2"    | 1/2"    | 3/4"-18 <sup>1</sup>  | 290-0812        | <b>2900812C</b>               | 50      |
|         | 1/2"    | 3/4"-18 <sup>1</sup>  | ---             | <b>2900812CBC<sup>2</sup></b> | ---     |
| 5/8"    | 5/8"    | 7/8"-18 <sup>1</sup>  | 290-1014        | <b>2901014C</b>               | 25      |
|         | 5/8"    | 7/8"-18 <sup>1</sup>  | ---             | <b>2901014CBC<sup>2</sup></b> | ---     |

<sup>1</sup> UNS thread<sup>2</sup> brass cap on CBC parts

brass cap

Industrial Hose  
Fittings

## Female SAE Inverted Flare Rigid x Hose Barb

| Hose ID | Tube OD | Female UNF            | Brass           |                               | Pkg Qty |
|---------|---------|-----------------------|-----------------|-------------------------------|---------|
|         |         |                       | Previous Part # | Part #                        |         |
| 1/4"    | 3/16"   | 3/8"-24               | 292-0406        | <b>2920406C</b>               | 100     |
|         | 3/16"   | 3/8"-24               | ---             | <b>2920406CBC<sup>2</sup></b> | ---     |
|         | 1/4"    | 7/16"-24 <sup>1</sup> | 292-0407        | <b>2920407C</b>               | 100     |
|         | 1/4"    | 7/16"-24 <sup>1</sup> | ---             | <b>2920407CBC<sup>2</sup></b> | ---     |
|         | 5/16"   | 1/2"-20               | 292-0408        | <b>2920408C</b>               | 100     |
|         | 5/16"   | 1/2"-20               | ---             | <b>2920408CBC<sup>2</sup></b> | ---     |
| 5/16"   | 5/16"   | 1/2"-20               | 292-0508        | <b>2920508C</b>               | 100     |
|         | 5/16"   | 1/2"-20               | 292-0608        | <b>2920608C</b>               | 100     |
| 3/8"    | 5/16"   | 1/2"-20               | ---             | <b>2920608CBC<sup>2</sup></b> | ---     |
|         | 3/8"    | 5/8"-18               | 292-0610        | <b>2920610C</b>               | 50      |
|         | 3/8"    | 5/8"-18               | ---             | <b>2920610CBC<sup>2</sup></b> | ---     |
|         | 3/8"    | 5/8"-18               | ---             | <b>2920610CBC<sup>2</sup></b> | ---     |
| 1/2"    | 1/2"    | 3/4"-18 <sup>1</sup>  | 292-0812        | <b>2920812C</b>               | 25      |
|         | 1/2"    | 3/4"-18 <sup>1</sup>  | ---             | <b>2920812CBC<sup>2</sup></b> | ---     |

<sup>1</sup> UNS Thread<sup>2</sup> brass cap on CBC parts

## Rigid Tube x Hose Barb

| Hose ID | Tube OD | Brass           |                               | 303 Stainless Steel |                  | Pkg Qty |
|---------|---------|-----------------|-------------------------------|---------------------|------------------|---------|
|         |         | Previous Part # | Part #                        | Previous Part #     | Part #           |         |
| 1/4"    | 3/16"   | 294-0403        | <b>2940403C</b>               | ---                 | ---              | 100     |
|         | 3/16"   | ---             | <b>2940403CBC<sup>1</sup></b> | ---                 | ---              | ---     |
|         | 1/4"    | 294-0404        | <b>2940404C</b>               | 294-0404SS          | <b>2940404SS</b> | 100     |
|         | 1/4"    | ---             | <b>2940404CBC<sup>1</sup></b> | ---                 | ---              | ---     |
|         | 5/16"   | 294-0405        | <b>2940405C</b>               | ---                 | ---              | 100     |
|         | 5/16"   | ---             | <b>2940405CBC<sup>1</sup></b> | ---                 | ---              | ---     |
| 3/8"    | 3/8"    | 294-0606        | <b>2940606C</b>               | 294-0606SS          | <b>2940606SS</b> | 50      |
|         | 3/8"    | ---             | <b>2940606CBC<sup>1</sup></b> | ---                 | ---              | ---     |
| 1/2"    | 1/2"    | 294-0808        | <b>2940808C</b>               | 294-0808SS          | <b>2940808SS</b> | 50      |
|         | 1/2"    | ---             | <b>2940808CBC<sup>1</sup></b> | ---                 | ---              | ---     |
| 5/8"    | 5/8"    | 294-1010        | <b>2941010C</b>               | ---                 | ---              | 25      |
|         | 5/8"    | ---             | <b>2941010CBC<sup>1</sup></b> | ---                 | ---              | ---     |
| 3/4"    | 3/4"    | 294-1212        | <b>2941212C</b>               | 294-1212SS          | <b>2941212SS</b> | 25      |

<sup>1</sup> brass cap on CBC parts

## Push-On Fittings Tool

## Features:

- cuts push-on style hose and inserts the fitting
- Built-in cutter slices through 1/4" - 3/4" ID reinforced push-on hose without fraying.
- Clamp hose into tools vice and apply light pressure on handle to drive in the fitting.
- tool has four 7/16" diameter mounting holes for bench mounting
- overall size is 13 1/2" long x 2 3/8" wide x 7" height

## Installation Instructions:

1. To cut your hose, retract the handle, place the hose in the cutter area and pull the handle.
2. After cutting the hose to the desired length, place the hose under the cam handle locking it in place with the hose end aligned with the appropriate mark on the label.
3. Place the barbed end of the fitting against the end of the hose and then pull the handle forward to complete the installation.



| Size        | Part #       |
|-------------|--------------|
| 1/4" - 3/4" | <b>270AT</b> |



Caution: Push-on fittings will properly grip push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.

## Hose Assembly Tool

- installs 1/4", 5/16" and 3/8" hose fittings
- lightweight, portable, comfortable cushioned grip
- economical



| Part #      |
|-------------|
| <b>HHCI</b> |

## Yellow Lok-on Caps

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



| Hose ID | Plastic<br>Part # | Pkg Qty |
|---------|-------------------|---------|
| 1/4"    | <b>2720400W</b>   | 100     |
| 5/16"   | <b>2720500W</b>   | 100     |
| 3/8"    | <b>2720600W</b>   | 100     |
| 1/2"    | <b>2720800W</b>   | 100     |
| 5/8"    | <b>2721000W</b>   | 50      |
| 3/4"    | <b>2721200W</b>   | 50      |
| 1"      | <b>2721600W</b>   | 25      |

- Sold in package quantities only.

## Reusable Fittings

## Application:

- recommended for low pressure air hose applications

## Features:

- maximum working pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- durable, easily repaired hose connection
- caution: check hose OD and ID accurately before ordering



## Male Thread

| Hose ID | Hose OD | Male NPTF | Brass           |                 | Pkg Qty |
|---------|---------|-----------|-----------------|-----------------|---------|
|         |         |           | Previous Part # | Part #          |         |
| 1/4"    | 1/2"    | 1/8"      | BN21RU50        | <b>1834082K</b> | 100     |
|         | 9/16"   | 1/8"      | BN21RU56        | <b>1834092K</b> | 100     |
|         | 5/8"    | 1/8"      | BN21RU62        | <b>1834102K</b> | 100     |
|         | 1/2"    | 1/4"      | BN22RU50        | <b>1834084K</b> | 50      |
|         | 9/16"   | 1/4"      | BN22RU56        | <b>1834094K</b> | 50      |
|         | 5/8"    | 1/4"      | BN22RU62        | <b>1834104K</b> | 50      |
|         | 1/2"    | 3/8"      | BN23RU50        | <b>1834086K</b> | 50      |
|         | 9/16"   | 3/8"      | BN23RU56        | <b>1834096K</b> | 50      |
|         | 5/8"    | 3/8"      | BN23RU62        | <b>1834106K</b> | 50      |
| 5/16"   | 9/16"   | 1/4"      | BN252RU56       | <b>1835094K</b> | 50      |
|         | 5/8"    | 1/4"      | BN252RU62       | <b>1835104K</b> | 50      |
|         | 11/16"  | 1/4"      | BN252RU68       | <b>1835114K</b> | 50      |
|         | 9/16"   | 3/8"      | BN253RU56       | <b>1835096K</b> | 50      |
|         | 5/8"    | 3/8"      | BN253RU62       | <b>1835106K</b> | 50      |
|         | 11/16"  | 3/8"      | BN253RU68       | <b>1835116K</b> | 50      |
| 3/8"    | 5/8"    | 1/4"      | BN32RU62        | <b>1836104K</b> | 50      |
|         | 11/16"  | 1/4"      | BN32RU68        | <b>1836114K</b> | 50      |
|         | 3/4"    | 1/4"      | BN32RU75        | <b>1836124K</b> | 50      |
|         | 5/8"    | 3/8"      | BN33RU62        | <b>1836106K</b> | 50      |
|         | 11/16"  | 3/8"      | BN33RU68        | <b>1836116K</b> | 50      |
|         | 3/4"    | 3/8"      | BN33RU75        | <b>1836126K</b> | 50      |
|         | 5/8"    | 1/2"      | BN34RU62        | <b>1836108K</b> | 50      |
|         | 11/16"  | 1/2"      | BN34RU68        | <b>1836118K</b> | 50      |
|         | 3/4"    | 1/2"      | BN34RU75        | <b>1836128K</b> | 50      |
| 1/2"    | 7/8"    | 1/4"      | BN42RU87        | <b>1838144K</b> | 25      |
|         | 15/16"  | 1/4"      | BN42RU93        | <b>1838154K</b> | 25      |
|         | 1"      | 1/4"      | BN42RU99        | <b>1838164K</b> | 25      |
|         | 7/8"    | 3/8"      | BN43RU87        | <b>1838146K</b> | 25      |
|         | 15/16"  | 3/8"      | BN43RU93        | <b>1838156K</b> | 25      |
|         | 1"      | 3/8"      | BN43RU99        | <b>1838166K</b> | 25      |
|         | 7/8"    | 1/2"      | BN44RU87        | <b>1838148K</b> | 20      |
|         | 15/16"  | 1/2"      | BN44RU93        | <b>1838158K</b> | 20      |
|         | 1"      | 1/2"      | BN44RU99        | <b>1838168K</b> | 20      |



| Hose ID | Hose OD | Male NPT | 303 Stainless Steel |                   | Pkg Qty |
|---------|---------|----------|---------------------|-------------------|---------|
|         |         |          | Previous Part #     | Part #            |         |
| 1/4"    | 1/2"    | 1/8"     | BN21RU50SS          | <b>1834082KSS</b> | 100     |
|         | 9/16"   | 1/8"     | BN21RU56SS          | <b>1834092KSS</b> | 100     |
|         | 5/8"    | 1/8"     | BN21RU62SS          | <b>1834102KSS</b> | 100     |
|         | 1/2"    | 1/4"     | BN22RU50SS          | <b>1834084KSS</b> | 50      |
|         | 9/16"   | 1/4"     | BN22RU56SS          | <b>1834094KSS</b> | 50      |
|         | 5/8"    | 1/4"     | BN22RU62SS          | <b>1834104KSS</b> | 50      |
| 5/16"   | 9/16"   | 1/4"     | BN252RU56SS         | <b>1835094KSS</b> | 50      |
|         | 5/8"    | 1/4"     | BN252RU62SS         | <b>1835104KSS</b> | 50      |
| 3/8"    | 5/8"    | 1/4"     | BN32RU62SS          | <b>1836104KSS</b> | 50      |
|         | 11/16"  | 1/4"     | BN32RU68SS          | <b>1836114KSS</b> | 50      |
|         | 3/4"    | 1/4"     | BN32RU75SS          | <b>1836124KSS</b> | 50      |
|         | 5/8"    | 3/8"     | BN33RU62SS          | <b>1836106KSS</b> | 50      |
|         | 11/16"  | 3/8"     | BN33RU68SS          | <b>1836116KSS</b> | 50      |
|         | 3/4"    | 3/8"     | BN33RU75SS          | <b>1836126KSS</b> | 50      |
|         | 7/8"    | 3/8"     | BN43RU87SS          | <b>1838146KSS</b> | 25      |
|         | 15/16"  | 3/8"     | BN43RU93SS          | <b>1838156KSS</b> | 25      |
|         | 7/8"    | 1/2"     | BN44RU87SS          | <b>1838148KSS</b> | 20      |
|         | 15/16"  | 1/2"     | BN44RU93SS          | <b>1838158KSS</b> | 20      |



## Reusable Fittings

## Swivel Stems

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| Hose ID | Female NPSM | Brass Part #    | Optional Qty |
|---------|-------------|-----------------|--------------|
| 1/4"    | 1/4"-18     | <b>1840404A</b> | 50           |
|         | 3/8"-18     | <b>1840406A</b> | 50           |
| 5/16"   | 1/4"-18     | <b>1840504A</b> | 50           |
| 3/8"    | 1/4"-18     | <b>1840604A</b> | 50           |
|         | 3/8"-18     | <b>1840606A</b> | 50           |
| 1/2"    | 1/2"-14     | <b>1840808A</b> | 25           |

## Female Swivels

| Hose ID | Hose OD | Female NPSM | Brass           |                 | Optional Qty |
|---------|---------|-------------|-----------------|-----------------|--------------|
|         |         |             | Previous Part # | Part #          |              |
| 1/4"    | 1/2"    | 1/4"        | 185-4084        | <b>1854084K</b> | 50           |
|         | 9/16"   | 1/4"        | 185-4094        | <b>1854094K</b> | 50           |
|         | 5/8"    | 1/4"        | 185-4104        | <b>1854104K</b> | 50           |
|         | 1/2"    | 3/8"        | 185-4086        | <b>1854086K</b> | 50           |
|         | 9/16"   | 3/8"        | 185-4096        | <b>1854096K</b> | 50           |
|         | 5/8"    | 3/8"        | 185-4106        | <b>1854106K</b> | 50           |
| 5/16"   | 9/16"   | 1/4"        | 185-5094        | <b>1855094K</b> | 50           |
|         | 5/8"    | 1/4"        | 185-5104        | <b>1855104K</b> | 50           |
|         | 11/16"  | 1/4"        | 185-5114        | <b>1855114K</b> | 50           |
| 3/8"    | 5/8"    | 1/4"        | 185-6104        | <b>1856104K</b> | 50           |
|         | 11/16"  | 1/4"        | 185-6114        | <b>1856114K</b> | 50           |
|         | 3/4"    | 1/4"        | 185-6124        | <b>1856124K</b> | 50           |
|         | 5/8"    | 3/8"        | 185-6106        | <b>1856106K</b> | 50           |
|         | 11/16"  | 3/8"        | 185-6116        | <b>1856116K</b> | 50           |
|         | 3/4"    | 3/8"        | 185-6126        | <b>1856126K</b> | 50           |
| 1/2"    | 7/8"    | 1/2"        | 185-8148        | <b>1858148K</b> | 20           |
|         | 15/16"  | 1/2"        | 185-8158        | <b>1858158K</b> | 20           |
|         | 1"      | 1/2"        | 185-8168        | <b>1858168K</b> | 20           |



## Splicer Stems

| Hose ID | Brass Part #    | Optional Qty |
|---------|-----------------|--------------|
| 1/4"    | <b>1860404S</b> | 100          |
| 3/8"    | <b>1860606S</b> | 50           |



## Hose Splicers

| Hose ID | Hose OD | Brass           |                 | Optional Qty |
|---------|---------|-----------------|-----------------|--------------|
|         |         | Previous Part # | Part #          |              |
| 1/4"    | 1/2"    | 187-0408        | <b>1870408K</b> | 50           |
|         | 9/16"   | 187-0409        | <b>1870409K</b> | 50           |
|         | 5/8"    | 187-0410        | <b>1870410K</b> | 50           |
| 3/8"    | 5/8"    | 187-0610        | <b>1870610K</b> | 25           |
|         | 11/16"  | 187-0611        | <b>1870611K</b> | 25           |
|         | 3/4"    | 187-0612        | <b>1870612K</b> | 25           |





## Reusable Fittings

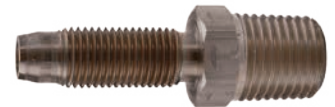
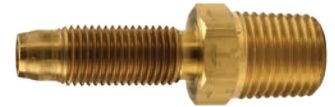
## Ferrules

| Hose ID | Hose OD | Brass Part #    | 303 Stainless Steel Part # | Opt Qty |
|---------|---------|-----------------|----------------------------|---------|
| 1/4"    | 1/2"    | <b>1800408F</b> | <b>1800408FSS</b>          | 100     |
|         | 9/16"   | <b>1800409F</b> | <b>1800409FSS</b>          | 50      |
|         | 5/8"    | <b>1800410F</b> | <b>1800410FSS</b>          | 50      |
| 5/16"   | 9/16"   | <b>1800509F</b> | <b>1800509FSS</b>          | 100     |
|         | 5/8"    | <b>1800510F</b> | <b>1800510FSS</b>          | 50      |
|         | 11/16"  | <b>1800511F</b> | ---                        | 50      |
| 3/8"    | 5/8"    | <b>1800610F</b> | <b>1800610FSS</b>          | 50      |
|         | 11/16"  | <b>1800611F</b> | <b>1800611FSS</b>          | 50      |
|         | 3/4"    | <b>1800612F</b> | <b>1800612FSS</b>          | 50      |
| 1/2"    | 7/8"    | <b>1800814F</b> | <b>1800814FSS</b>          | 25      |
|         | 15/16"  | <b>1800815F</b> | <b>1800815FSS</b>          | 25      |
|         | 1"      | <b>1800816F</b> | ---                        | 20      |

Industrial Hose  
Fittings

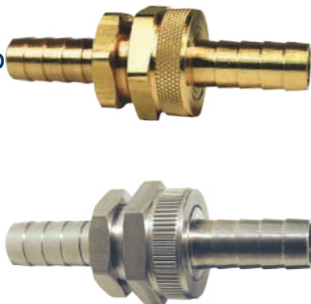
## Male Stems

| Hose ID | Male NPTF Thread <sup>1</sup> | Brass Part #    | 303 Stainless Steel <sup>1</sup> Part # | Opt Qty |
|---------|-------------------------------|-----------------|---|---------|
| 1/4"    | 1/8"                          | <b>1820402S</b> | <b>1820402SS</b>                        | 100     |
|         | 1/4"                          | <b>1820404S</b> | <b>1820404SS</b>                        | 100     |
|         | 3/8"                          | <b>1820406S</b> | ---                                     | 50      |
| 5/16"   | 1/4"                          | <b>1820504S</b> | <b>1820504SS</b>                        | 50      |
|         | 3/8"                          | <b>1820506S</b> | ---                                     | 50      |
| 3/8"    | 1/4"                          | <b>1820604S</b> | <b>1820604SS</b>                        | 100     |
|         | 3/8"                          | <b>1820606S</b> | <b>1820606SS</b>                        | 50      |
|         | 1/2"                          | <b>1820608S</b> | ---                                     | 25      |
| 1/2"    | 1/4"                          | <b>1820804S</b> | ---                                     | 50      |
|         | 3/8"                          | <b>1820806S</b> | <b>1820806SS</b>                        | 50      |
|         | 1/2"                          | <b>1820808S</b> | <b>1820808SS</b>                        | 25      |

<sup>1</sup> stainless steel parts have NPT threads



## Standard Shank Fittings



## GHT Complete Couplings with Hex Nut

## Feature:

- extended male GHT - deeper thread

| Hose Size | Brass           |                              | Lead Free Brass <sup>2</sup><br>Part # | 303 Stainless   |                   |
|-----------|-----------------|------------------------------|--|-----------------|-------------------|
|           | Previous Part # | Part #                       |  | Previous Part # | Part #            |
| 3/8"      | BC73            | <b>5920606K</b>              | ---                                    | ---             | ---               |
| 1/2"      | BC74            | <b>5920808K</b>              | <b>5920808KLF</b>                      | SSC74           | <b>5920808KSS</b> |
| 5/8"      | BC75            | <b>5921010K</b>              | <b>5921010KLF</b>                      | SSC75           | <b>5921010KSS</b> |
| 3/4"      | BC76            | <b>5921212K</b>              | <b>5921212KLF</b>                      | SSC76           | <b>5921212KSS</b> |
| 1"        | BC78            | <b>5921612K</b>              | ---                                    | ---             | ---               |
| 1"        | BS808           | <b>5921616K</b> <sup>1</sup> | ---                                    | ---             | ---               |

<sup>1</sup> 1" NPSH thread

<sup>2</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Note: complete coupling set is not shipped assembled

## GHT Female Fittings with Swivel Nut



| Hose Size | Brass           |                                | Lead Free Brass <sup>2</sup><br>Part # | 303 Stainless   |                  | Pkg Qty |
|-----------|-----------------|--------------------------------|--|-----------------|------------------|---------|
|           | Previous Part # | Part #                         |  | Previous Part # | Part #           |         |
| 3/8"      | BCF73           | <b>5910612C</b>                | ---                                    | ---             | ---              | 25      |
| 1/2"      | BCF74           | <b>5910812C</b>                | ---                                    | SSCF74          | <b>5910812SS</b> | 25      |
|           | ---             | ---                            | <b>5910812CLF</b>                      | ---             | ---              | 25      |
| 5/8"      | BCF75           | <b>5911012C</b>                | ---                                    | SSCF75          | <b>5911012SS</b> | 25      |
|           | ---             | ---                            | <b>5911012CLF</b>                      | ---             | ---              | 25      |
| 3/4"      | BCF76           | <b>5911212C</b>                | ---                                    | SSCF76          | <b>5911212SS</b> | 25      |
|           | ---             | ---                            | <b>5911212CLF</b>                      | ---             | ---              | 25      |
| 1"        | BCF78           | <b>5911612C</b>                | ---                                    | ---             | ---              | 10      |
|           | BS848           | <b>5911616C</b> <sup>1,3</sup> | ---                                    | ---             | ---              | 10      |

<sup>1</sup> 1" NPSH thread

<sup>2</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>3</sup> washer included, part # **5911616W** on page 242

- SBR black rubber washer part # **5911212W** included found on page 242

## GHT Male Fittings

## Feature:

- extended male GHT - deeper thread



| Hose Size | Brass           |                              | Lead Free Brass <sup>2</sup><br>Part # | 303 Stainless   |                  | Pkg Qty   |
|-----------|-----------------|------------------------------|--|-----------------|------------------|-----------|
|           | Previous Part # | Part #                       |  | Previous Part # | Part #           |           |
| 3/8"      | BCM73           | <b>5900612C</b>              | ---                                    | ---             | ---              | 25        |
| 1/2"      | BCM74           | <b>5900812C</b>              | ---                                    | SSCM74          | <b>5900812SS</b> | 25        |
|           | ---             | ---                          | <b>5900812CLF</b>                      | ---             | ---              | 25        |
| 5/8"      | BCM75           | <b>5901012C</b>              | ---                                    | SSCM75          | <b>5901012SS</b> | 25        |
|           | ---             | ---                          | <b>5901012CLF</b>                      | ---             | ---              | 25        |
| 3/4"      | BCM76           | <b>5901212C</b>              | ---                                    | SSCM76          | <b>5901212SS</b> | 25        |
|           | ---             | ---                          | <b>5901212CLF</b>                      | ---             | ---              | 25        |
| 1"        | BCM78           | <b>5901612C</b>              | ---                                    | ---             | ---              | 10        |
|           | BS818           | <b>5901616C</b> <sup>1</sup> | ---                                    | ---             | ---              | <b>10</b> |

<sup>1</sup> 1" NPSH thread

<sup>2</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

## Short Shank Fittings

- use with washers on page 242

## GHT Complete Couplings with Hex Nut

## Feature:

- extended male GHT - deeper thread
- complete coupling set is not shipped assembled

| Hose Size | Brass           |                 |
|-----------|-----------------|-----------------|
|           | Previous Part # | Part #          |
| 1/2"      | HNBGH74         | <b>5890808K</b> |
| 5/8"      | HNBGH75         | <b>5891010K</b> |
| 3/4"      | HNBGH76         | <b>5891212K</b> |



Industrial Hose Fittings

## GHT Complete Couplings with Round Nut

| Hose Size | Brass           |                 |
|-----------|-----------------|-----------------|
|           | Previous Part # | Part #          |
| 1/2"      | BGH74           | <b>5870808K</b> |
| 5/8"      | BGH75           | <b>5871010K</b> |
| 3/4"      | BGH76           | <b>5871212K</b> |



D

## GHT Female Couplings with Round Nut

| Hose Size | Shank Length | Brass           |                 |
|-----------|--------------|-----------------|-----------------|
|           |              | Previous Part # | Part #          |
| 1/2"      | 1"           | BGHF74          | <b>5860812C</b> |
| 5/8"      | 1"           | BGHF75          | <b>5861012C</b> |
| 3/4"      | 1"           | BGHF76          | <b>5861212C</b> |



## GHT Female Swivels with Hex Nut

| Hose Size | Shank Length | Brass           |                 |
|-----------|--------------|-----------------|-----------------|
|           |              | Previous Part # | Part #          |
| 1/2"      | 1"           | HNBGHF74        | <b>5880812C</b> |
| 5/8"      | 1"           | HNBGHF75        | <b>5881012C</b> |
| 3/4"      | 1"           | HNBGHF76        | <b>5881212C</b> |



## GHT Male Couplings with Hex

## Feature:

- extended male GHT - deeper thread

| Hose Size | Shank Length | Brass           |                 |
|-----------|--------------|-----------------|-----------------|
|           |              | Previous Part # | Part #          |
| 1/2"      | 1"           | BGHM74          | <b>5850812C</b> |
| 5/8"      | 1"           | BGHM75          | <b>5851012C</b> |
| 3/4"      | 1"           | BGHM76          | <b>5851212C</b> |



## Short Shank Couplings with Octagon Nut

- sold in complete sets only



| Hose Size | Shank Length | Aluminum Part # |
|-----------|--------------|-----------------|
| 3/8"      | 13/16"       | <b>ABC73</b>    |
| 3/4"      | 1-1/8"       | <b>ABC76</b>    |

## Standard Shank Cast Coupling with Hex Nut

- use with washers on page 205
- sold in complete sets only



| Hose Size | Brass Part #             |
|-----------|--------------------------|
| 1/2"      | <b>CBC74</b>             |
| 5/8"      | <b>CBC75</b>             |
| 3/4"      | <b>CBC76</b>             |
| 1"        | <b>CBC88<sup>1</sup></b> |

<sup>1</sup> NPSM thread

## Garden Hose Menders



| Hose ID | Brass           |                 |
|---------|-----------------|-----------------|
|         | Previous Part # | Part #          |
| 1/2"    | 5780808C        | <b>1780808C</b> |
| 5/8"    | 5781010C        | <b>1781010C</b> |
| 3/4"    | 5781212C        | <b>1781212C</b> |
| 1"      | 5781616C        | <b>1781616C</b> |

## Long Shank Fittings

## Complete Couplings - GHT

## Feature:

- extended male GHT, deeper thread

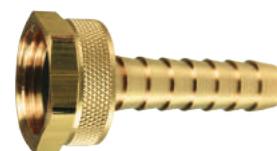
| Hose ID | GHT Thread | Plated Steel Part # | Brass           |                 |
|---------|------------|---------------------|-----------------|-----------------|
|         |            |                     | Previous Part # | Part #          |
| 3/8"    | 3/4"       | <b>SLS307</b>       | ---             | ---             |
| 1/2"    | 3/4"       | <b>SLS407</b>       | BLS407          | <b>5950808K</b> |
| 5/8"    | 3/4"       | <b>SLS507</b>       | BLS507          | <b>5951010K</b> |
| 3/4"    | 3/4"       | <b>SLS607</b>       | BLS607          | <b>5951212K</b> |



Industrial Hose Fittings

## Female Couplings - GHT

| Hose ID | GHT Thread | Plated Steel Part # | Brass           |                 | Pkg Qty | Lead Free Brass Part #        |
|---------|------------|---------------------|-----------------|-----------------|---------|-------------------------------|
|         |            |                     | Previous Part # | Part #          |         |                               |
| 3/8"    | 3/4"       | <b>SLS347</b>       | ---             | ---             | ---     | ---                           |
| 1/2"    | 3/4"       | <b>SLS447</b>       | BLS447          | <b>5940812C</b> | 25      | ---                           |
| 5/8"    | 3/4"       | <b>SLS547</b>       | BLS547          | <b>5941012C</b> | 25      | ---                           |
| 3/4"    | 3/4"       | <b>SLS647</b>       | BLS647          | <b>5941212C</b> | 25      | <b>5941212CLF<sup>1</sup></b> |



D

## Male Couplings - GHT

## Feature:

- extended male GHT, deeper thread

| Hose ID | GHT Thread | Plated Steel Part # | Brass           |                 | Pkg Qty | Lead Free Brass Part #        |
|---------|------------|---------------------|-----------------|-----------------|---------|-------------------------------|
|         |            |                     | Previous Part # | Part #          |         |                               |
| 3/8"    | 3/4"       | <b>SLS317</b>       | ---             | ---             | 50      | ---                           |
| 1/2"    | 3/4"       | <b>SLS417</b>       | BLS417          | <b>5930812C</b> | 25      | ---                           |
| 5/8"    | 3/4"       | <b>SLS517</b>       | BLS517          | <b>5931012C</b> | 25      | ---                           |
| 3/4"    | 3/4"       | <b>SLS617</b>       | BLS617          | <b>5931212C</b> | 10      | <b>5931212CLF<sup>1</sup></b> |



<sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Spray Hose Fittings

Complete Couplings - GHT

| Hose ID | GHT Thread | Plated Steel Part # |
|---------|------------|---------------------|
| 3/8"    | 3/4"       | <b>SS307</b>        |
| 1/2"    | 3/4"       | <b>SS407</b>        |
| 5/8"    | 3/4"       | <b>SS507</b>        |
| 3/4"    | 3/4"       | <b>SS607</b>        |



Industrial Hose Fittings

Female Couplings - GHT

| Hose ID | GHT Thread | Plated Steel Part # |
|---------|------------|---------------------|
| 3/8"    | 3/4"       | <b>SS347</b>        |
| 1/2"    | 3/4"       | <b>SS447</b>        |
| 5/8"    | 3/4"       | <b>SS547</b>        |
| 3/4"    | 3/4"       | <b>SS647</b>        |



Male Couplings - GHT

| Hose ID | GHT Thread | Plated Steel Part # |
|---------|------------|---------------------|
| 3/8"    | 3/4"       | <b>SS317</b>        |
| 1/2"    | 3/4"       | <b>SS417</b>        |
| 5/8"    | 3/4"       | <b>SS517</b>        |
| 3/4"    | 3/4"       | <b>SS617</b>        |



## GHT Zinc Fittings

## Features:

- premium brass and zinc construction for maximum strength and durability
- patented impact resistant clamp design
- non-corroding high grade 410 stainless steel screws will not strip when tightened
- leakproof, reusable
- for use with rubber or plastic hose
- fits all  $\frac{3}{8}$ " and  $\frac{1}{2}$ " hose

## Female Hose Fittings

| Part #        | Optional Qty |
|---------------|--------------|
| <b>M5834F</b> | 48           |



## Male Hose Fittings

| Part #        | Optional Qty |
|---------------|--------------|
| <b>M5834M</b> | 48           |



## Menders

| Part #         | Optional Qty |
|----------------|--------------|
| <b>M5834HM</b> | 48           |



## Male GHT Adapters

## Male Hose x Male Hose x Female Pipe

| Male GH x Male GH x<br>Female NPT                   | Lead Free Brass<br>Part # |
|---|---------------------------|
| $\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{1}{2}$ " | <b>5091212CLF</b>         |



## Male GHT x Male NPTF



brass



lead free brass



303 stainless

| Male<br>GHT     | Male<br>NPTF                      | Brass              |                                | Lead Free<br>Brass <sup>3</sup><br>Part # | Male<br>Thread | 303 Stainless      |                               | Pkg<br>Qty |
|-----------------|-----------------------------------|--------------------|--------------------------------|---|----------------|--------------------|-------------------------------|------------|
|                 |                                   | Previous<br>Part # | Part #                         |   |                | Previous<br>Part # | Part #                        |            |
| $\frac{3}{4}$ " | $\frac{3}{8}$ "                   | BA73               | <b>5081206C</b> <sup>1</sup>   | ---                                       | ---            | ---                | ---                           | 25         |
| $\frac{3}{4}$ " | $\frac{1}{2}$ "                   | BA74               | <b>5081208C</b> <sup>1</sup>   | <b>5081208CLF</b>                         | NPT            | RA74               | <b>5081208SS</b>              | 25         |
| $\frac{3}{4}$ " | $\frac{3}{4}$ "                   | ---                | <b>5081212C</b> <sup>1</sup>   | ---                                       | NPT            | RA776              | <b>5081212SS</b>              | 25         |
| $\frac{3}{4}$ " | $\frac{3}{4}$ " x $\frac{1}{2}$ " | BA776              | <b>5141212C</b> <sup>1,2</sup> | <b>5141212CLF</b> <sup>2</sup>            | NPT            | ---                | <b>5141212SS</b> <sup>2</sup> | 25         |
| $\frac{3}{4}$ " | 1"                                | BA78               | <b>5081216C</b> <sup>1</sup>   | ---                                       | ---            | ---                | ---                           | 10         |

<sup>1</sup> extended male GHT, deeper thread<sup>2</sup> has  $\frac{1}{2}$ " female NPT on ID of  $\frac{3}{4}$ " male NPT side<sup>3</sup> Lead free brass  $\leq 0.25\%$  lead; Alloy CA2745; Alloy C46400



## Male GHT Adapters

## Male GHT



brass



303 stainless

| Male GHT | Male GHT        | Brass           |                              | Male GHT | 303 Stainless   |                               | Pkg Qty |
|----------|-----------------|-----------------|------------------------------|----------|-----------------|-------------------------------|---------|
|          |                 | Previous Part # | Part #                       |          | Previous Part # | Part #                        |         |
| 3/4"     | 3/4"            | BA777           | <b>5091212C</b> <sup>1</sup> | NPT      | RA777           | <b>5091212SS</b> <sup>1</sup> | 25      |
| 3/4"     | 1" <sup>2</sup> | 509-1612        | <b>5091612C</b> <sup>1</sup> | ---      | ---             | ---                           | 20      |

<sup>1</sup> extended male GHT, deeper thread<sup>2</sup> NPSH thread

## Female NPTF



brass



303 stainless

| Male GHT | Female NPTF | Brass                 |                 | Lead Free Brass Part #            | Pkg Qty |
|----------|-------------|-----------------------|-----------------|-----------------------------------|---------|
|          |             | Previous Part #       | Part #          |                                   |         |
| 3/4"     | 1/4"        | 507-1204 <sup>1</sup> | <b>5071204C</b> | ---                               | 25      |
| 3/4"     | 3/8"        | 507-1206 <sup>1</sup> | <b>5071206C</b> | ---                               | 25      |
| 3/4"     | 1/2"        | BA794 <sup>1</sup>    | <b>5071208C</b> | ---                               | 25      |
| 3/4"     | 3/4"        | BA796 <sup>1</sup>    | <b>5071212C</b> | <b>5071212CLF</b> <sup>2, 3</sup> | 25      |

| Male GHT | Female NPT | 303 Stainless   |                  | Pkg Qty |
|----------|------------|-----------------|------------------|---------|
|          |            | Previous Part # | Part #           |         |
| 3/4"     | 1/2"       | RA794           | <b>5071208SS</b> | 25      |
| 3/4"     | 3/4"       | RA796           | <b>5071212SS</b> | 25      |

<sup>1</sup> extended male GHT, deeper thread<sup>2</sup> NPT threads<sup>3</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

## Female GHT Adapters

## Swivel

| Female x<br>Female | Brass           |                               | Optional<br>Qty |
|--------------------|-----------------|-------------------------------|-----------------|
|                    | Previous Part # | Part #                        |                 |
| 3/4" x 3/4"        | BA977           | <b>5061212C</b>               | 25              |
| 3/4" x 3/4"        | ---             | <b>5061212CLF<sup>1</sup></b> | 25              |

<sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400



brass



lead free brass

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## Female GHT Swivel x Female NPTF

| Female<br>GHT x<br>Female<br>NPTF | Brass              |                 | Lead Free Brass<br>Part #       | 303 Stainless      |                              | Pkg<br>Qty |
|-----------------------------------|--------------------|-----------------|---------------------------------|--------------------|------------------------------|------------|
|                                   | Previous<br>Part # | Part #          |                                 | Previous<br>Part # | Part #                       |            |
| 3/4" x 1/2"                       | BAS974             | <b>5021208C</b> | <b>5021208CLF<sup>1,2</sup></b> | RAS974             | <b>5021208SS<sup>2</sup></b> | 25         |
| 3/4" x 3/4"                       | BAS976             | <b>5021212C</b> | <b>5021212CLF<sup>1,2</sup></b> | RAS976             | <b>5021212SS<sup>2</sup></b> | 10         |

<sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> NPT threads



D

## Female GHT Swivel x Male NPTF

| Female<br>GHT | Male<br>NPTF | Brass           |                 | Male<br>NPT | 303 Stainless   |                  | Pkg<br>Qty |
|---------------|--------------|-----------------|-----------------|-------------|-----------------|------------------|------------|
|               |              | Previous Part # | Part #          |             | Previous Part # | Part #           |            |
| 3/4"          | 1/4"         | 504-1204        | <b>5041204C</b> | ---         | ---             | ---              | 25         |
| 3/4"          | 3/8"         | 504-1206        | <b>5041206C</b> | ---         | ---             | ---              | 25         |
| 3/4"          | 1/2"         | 504-1208        | <b>5041208C</b> | 1/2"        | R504-1208       | <b>5041208SS</b> | 25         |
| 3/4"          | 3/4"         | 504-1212        | <b>5041212C</b> | 3/4"        | R504-1212       | <b>5041212SS</b> | 20         |



## Rigid Female GHT x Male NPTF

| Female<br>GHT | Male<br>Thread<br>NPTF | Brass           |                             | Male<br>Thread<br>NPT | 303 Stainless   |                              | Pkg<br>Qty |
|---------------|------------------------|-----------------|-----------------------------|-----------------------|-----------------|------------------------------|------------|
|               |                        | Previous Part # | Part #                      |                       | Previous Part # | Part #                       |            |
| 3/4"          | 3/8"                   | BMA973          | <b>5031206C</b>             | ---                   | ---             | ---                          | 25         |
| 3/4"          | 1/2"                   | BMA974          | <b>5031208C</b>             | 1/2"                  | RMA974          | <b>5031208SS</b>             | 25         |
| 3/4"          | 3/4"                   | BMA976          | <b>5031212C<sup>1</sup></b> | 3/4"                  | RMA976          | <b>5031212SS<sup>1</sup></b> | 25         |



## Rigid Female GHT x Female NPTF

| Female<br>GHT | Female<br>Thread<br>NPTF | Brass           |                 | Female<br>Thread<br>NPT | 303 Stainless   |                  | Pkg<br>Qty |
|---------------|--------------------------|-----------------|-----------------|-------------------------|-----------------|------------------|------------|
|               |                          | Previous Part # | Part #          |                         | Previous Part # | Part #           |            |
| 3/4"          | 1/8"                     | BA971           | <b>5011202C</b> | ---                     | ---             | ---              | 50         |
| 3/4"          | 1/4"                     | BA972           | <b>5011204C</b> | ---                     | ---             | ---              | 25         |
| 3/4"          | 3/8"                     | BA973           | <b>5011206C</b> | ---                     | ---             | ---              | 25         |
| 3/4"          | 1/2"                     | BA974           | <b>5011208C</b> | 1/2"                    | RA974           | <b>5011208SS</b> | 25         |
| 3/4"          | 3/4"                     | BA976           | <b>5011212C</b> | 3/4"                    | RA976           | <b>5011212SS</b> | 25         |

<sup>1</sup> has 1/2" female NPTF on ID of 3/4" male NPTF side



## Black SBR Washers



| ID    | OD    | duro | Part #          | Optional Qty |
|-------|-------|------|-----------------|--------------|
| 0.63" | 1.00" | 80   | <b>5911212W</b> | 100          |
| 0.86" | 1.27" | 60   | <b>5911616W</b> | 100          |

## Garden Hose Filter Washer



| Description                                      | FDA black 70a duro PVC |                 | Optional Qty |
|--|------------------------|-----------------|--------------|
|  | Previous Part #        | Part #          |              |
| 304 stainless steel mesh, FDA black 70a duro PVC | TVS7-30                | <b>5911212F</b> | 100          |

## Red Vinyl GHT Washer



| red vinyl<br>Part # | Optional Qty |
|---------------------|--------------|
| <b>TVW7</b>         | 100          |

## White Rubber GHT Washer



| white rubber (Styrene Butadiene)<br>Part # | Optional Qty |
|--|--------------|
| <b>TRW7</b>                                | 100          |

## Garden Hose Cap



| Size | Brass           |                 | Optional Qty |
|------|-----------------|-----------------|--------------|
|      | Previous Part # | Part #          |              |
| ¾"   | GHC7            | <b>5131212C</b> | 25           |

## Garden Hose Round Nut with Knurl



| Size | Brass<br>Part # |
|------|-----------------|
| ¾"   | <b>5861012N</b> |

## Garden Hose Hex Nut with Knurl



| Size    | Brass<br>Part # |
|---------|-----------------|
| ¾" GHT  | <b>5911212N</b> |
| 1" NPSH | <b>5911616N</b> |

## Compression Bibb Faucets

## Features:

- rough brass finish
- nozzle end is GHT
- for water use only

| Male NPT Inlet Size | Brass<br>Part #  |
|---------------------|------------------|
| 1/2"                | <b>35-201-10</b> |
| 3/4"                | <b>35-202-10</b> |

Industrial Hose  
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## Garden Hose Quick Connect

## Features:

- easy push-pull ring for long lasting and quick hose attachments
- maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- maximum temperature **140°F (60°C)**

## Complete Assembly

| Description              | Brass           |                | 303 Stainless Steel |                 |
|--------------------------|-----------------|----------------|---------------------|-----------------|
|                          | Previous Part # | Part #         | Previous Part #     | Part #          |
| complete assembly        | DGH7            | <b>500QCK</b>  | DGH7SS              | <b>500QCKSS</b> |
| complete valved assembly | DGH7V           | <b>500QCKV</b> | ---                 | ---             |



D

## Female Couplers

| Description                  | Brass           |                | 303 Stainless Steel |                 |
|------------------------------|-----------------|----------------|---------------------|-----------------|
|                              | Previous Part # | Part #         | Previous Part #     | Part #          |
| coupler                      | DGH7C           | <b>500QCF</b>  | DGH7CSS             | <b>500QCFSS</b> |
| valved coupler-water shutoff | DGH7CV          | <b>500QCFV</b> | ---                 | ---             |



## Replacement Parts

| Description   | Part #           |
|---|------------------|
| replacement rubber seal gasket for 500QCFV (DGH7CV) | <b>500QCFVSG</b> |
| replacement NBR O-ring for 500QCFV (DGH7CV)         | <b>500QCFVOR</b> |

## Replacement Seal for 500QCF

| Nitrile Butadiene Rubber |                |
|--------------------------|----------------|
| Previous Part #          | Part #         |
| DGHW7                    | <b>500QCSG</b> |



## Male Plugs

| Description | Brass           |               | 303 Stainless Steel |                 |
|-------------|-----------------|---------------|---------------------|-----------------|
|             | Previous Part # | Part #        | Previous Part #     | Part #          |
| male plug   | DGH7P           | <b>500QCM</b> | DGH7PSS             | <b>500QCMSS</b> |



## Straight GHT Valve

**Features:**

- powder-coated zinc shut-off valve
- maximum temperature: **160°F (71°C)** (hot water)
- recommended usage: **100°F (38°C)**
- working pressure: **60 PSI**

Part #

**GHV**

## GHT Ball Valve

**Features:**

- forged brass
- maximum temperature: **140°F (60°C)** (hot water)
- working pressure: **100 PSI**

Part #

**500GHV**

## GHT Twin Valve

**Features:**

- powder-coated zinc with twin shut-off valves
- maximum temperature: **160°F (71°C)** (hot water)
- recommended usage: **100°F (38°C)**
- working pressure: **60 PSI**

Part #

**GHYV**

## Garden Hose Y Valve

**Features:**

- forged brass
- double Y valve, swivel inlet - with Higbie cut threads (capped) to prevent cross threading
- maximum temperature: **140°F (60°C)** (hot water)
- working pressure: **100 PSI**

Part #

**500GHY**

## Garden Hose Y Coupler

**Features:**

- nickel plated brass
- maximum working pressure: **150 PSI**
- maximum temperature: **195°F (90.5°C)**

Part #

**500YC**

## GHT Y

**Features:**

- powder-coated zinc with twin outlet
- includes one end cap
- maximum temperature: **160°F (71°C)** (hot water)
- recommended usage: **100°F (38°C)**
- working pressure: **60 PSI**

Part #

**GHY**

## GHT 4-Valve Manifold

**Features:**

- forged brass body, stainless steel balls, PTFE seals
- swivel inlet
- maximum temperature: **120°F (49°C)**
- maximum operating pressure: **100 PSI**

Part #

**500GH4VBK**Industrial Hose  
Fittings

## GHT Back Flow Preventer

**Features:**

- brass extruded stock
- maximum operating pressure: **125 PSI**
- temperature range: **33°F to 180°F (.5°C to 82°C)**

**Materials:**

- gasket: Buna-N
- components: stainless steel

Part #

**500BFP**

D

## Radiator Bibb

**Feature:**

- 1/4" female pipe thread connection

**Material:**

- vinyl spout

Part #

**8013**

## Garden Hose Gooseneck

**Features:**

- angles hose away from hose bibb
- recommended usage: **100°F (38°C)**
- working pressure: **60 PSI**

Powder Coated Zinc

Part #

**GHGN**





nylon



polypropylene

## Hose Shank x Male NPT Inserts

| Size | Nylon<br>Part # | Pkg<br>Qty | Polypropylene<br>Part # | Pkg<br>Qty |
|------|-----------------|------------|-------------------------|------------|
| 1¼"  | <b>THN15</b>    | 25         | ---                     | ---        |
| 1½"  | <b>THN20</b>    | 25         | <b>HB150</b>            | 25         |
| 2"   | <b>THN25</b>    | 20         | <b>HB200</b>            | 24         |
| 3"   | <b>THN35</b>    | 10         | <b>HB300</b>            | 10         |
| 4"   | ---             | ---        | <b>HB400</b>            | 12         |

## Tuff-Lite™

## Hose Shank x Male NPT Insert

## Nylon Features:

- Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid or xylene.
- nylon should not be used with compressed gas
- fittings are white



## Polypropylene Features:

- Polypropylene fittings should not be used with aromatic hydrocarbons, carbon tetra-chloride, gasoline, hexane, kerosene, nitric acid, sodium hydrochlorite, toluene, trichloroethylene or xylene.
- polypropylene should not be used with compressed gas
- fittings are black



nylon



polypropylene

| Hose<br>Size | Male<br>NPT | Nylon<br>Part # | Pkg<br>Qty | Polypropylene<br>Part # | Pkg<br>Qty |
|--------------|-------------|-----------------|------------|-------------------------|------------|
| ¼"           | ⅛"          | <b>TN21</b>     | 50         | <b>PPN21</b>            | 50         |
|              | ¼"          | <b>TN22</b>     | 50         | <b>PPN22</b>            | 50         |
|              | ⅜"          | <b>TN23</b>     | 50         | <b>PPN23</b>            | 50         |
|              | ½"          | <b>TN24</b>     | 50         | <b>PPN24</b>            | 50         |
|              | ¾"          | <b>TN26</b>     | 50         | ---                     | ---        |
|              | 1"          | <b>TN28</b>     | 50         | ---                     | ---        |
| 5/16"        | ¼"          | <b>TN252</b>    | 50         | ---                     | ---        |
| ⅜"           | ⅛"          | <b>TN31</b>     | 50         | <b>PPN31</b>            | 50         |
|              | ¼"          | <b>TN32</b>     | 50         | <b>PPN32</b>            | 50         |
|              | ⅜"          | <b>TN33</b>     | 50         | <b>PPN33</b>            | 50         |
|              | ½"          | <b>TN34</b>     | 50         | <b>PPN34</b>            | 50         |
|              | ¾"          | <b>TN36</b>     | 50         | <b>PPN36</b>            | 50         |
| ½"           | ⅛"          | <b>TN41</b>     | 50         | ---                     | ---        |
|              | ¼"          | <b>TN42</b>     | 50         | <b>PPN42</b>            | 50         |
|              | ⅜"          | <b>TN43</b>     | 50         | <b>PPN43</b>            | 50         |
|              | ½"          | <b>TN44</b>     | 50         | <b>PPN44</b>            | 50         |
|              | ¾"          | <b>TN46</b>     | 50         | <b>PPN46</b>            | 50         |
| ⅝"           | ⅜"          | <b>TN53</b>     | 50         | ---                     | ---        |
|              | ½"          | <b>TN54</b>     | 50         | <b>PPN54</b>            | 50         |
|              | ¾"          | <b>TN56</b>     | 50         | <b>PPN56</b>            | 50         |
| ¾"           | ⅜"          | <b>TN63</b>     | 50         | ---                     | ---        |
|              | ½"          | <b>TN64</b>     | 50         | <b>PPN64</b>            | 50         |
|              | ¾"          | <b>TN66</b>     | 50         | <b>PPN66</b>            | 50         |
|              | 1"          | <b>TN68</b>     | 25         | <b>PPN68</b>            | 25         |
| 1"           | ¾"          | <b>TN86</b>     | 25         | <b>PPN86</b>            | 25         |
|              | 1"          | <b>TN88</b>     | 25         | <b>PPN88</b>            | 25         |
| 1¼"          | 1"          | <b>TN158</b>    | 15         | ---                     | ---        |
|              | 1¼"         | <b>TN150</b>    | 10         | <b>PPN150</b>           | 10         |
|              | 1½"         | <b>TN1520</b>   | 10         | ---                     | ---        |
| 1½"          | 1¼"         | <b>TN2015</b>   | 10         | ---                     | ---        |
|              | 1½"         | <b>TN200</b>    | 10         | <b>PPN200</b>           | 10         |
| 2"           | 2"          | <b>TN250</b>    | 5          | <b>PPN250</b>           | 5          |

- sold in package quantities only

## Tuff-Lite™

## Hose Shank x Female NPT Insert

## Features:

- Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid or xylene.
- nylon should not be used with compressed gas



| Hose Size | Female NPT | Nylon Part # |
|-----------|------------|--------------|
| 1/4"      | 1/4"       | <b>TFS22</b> |
| 1/4"      | 1/2"       | <b>TFS42</b> |
| 1/2"      | 1/2"       | <b>TFS44</b> |
| 3/4"      | 3/4"       | <b>TFS66</b> |



Industrial Hose Fittings

## Female 45°SAE/37°JIC Swivel x Hose Barb

## Feature:

- ball seat type

| Hose Size | Female NPSM | Nylon Part # |
|-----------|-------------|--------------|
| 1/4"      | 1/4"        | <b>TF22</b>  |
| 3/8"      | 3/8"        | <b>TF33</b>  |



## Short Shank x Female NPSM Coupling

- sold in package quantities only
- shipped with a red vinyl washer (**TVW7**), replacement washers on page 242

| Hose Shank | Female NPSM | Nylon Part # | Pkg Qty |
|------------|-------------|--------------|---------|
| 1/4"       | 3/4"        | <b>TCF62</b> | 50      |
| 3/8"       | 3/4"        | <b>TCF63</b> | 50      |
| 1/2"       | 3/4"        | <b>TCF64</b> | 50      |
| 5/8"       | 3/4"        | <b>TCF65</b> | 50      |
| 3/4"       | 3/4"        | <b>TCF66</b> | 50      |



## Tuff-Lite™

## 90° Hose Barb Elbow x Male NPT



| Hose Size | Male NPT | Nylon Part # | Pkg Qty |
|-----------|----------|--------------|---------|
| 1/4"      | 1/8"     | <b>TLS21</b> | 50      |
|           | 1/4"     | <b>TLS22</b> | 50      |
|           | 3/8"     | <b>TLS23</b> | 50      |
| 3/8"      | 1/8"     | <b>TLS31</b> | 50      |
|           | 1/4"     | <b>TLS32</b> | 50      |
|           | 3/8"     | <b>TLS33</b> | 50      |
|           | 1/2"     | <b>TLS34</b> | 50      |
|           | 3/4"     | <b>TLS36</b> | 50      |
| 1/2"      | 1/4"     | <b>TLS42</b> | 50      |
|           | 3/8"     | <b>TLS43</b> | 50      |
|           | 1/2"     | <b>TLS44</b> | 50      |
|           | 3/4"     | <b>TLS46</b> | 25      |
|           | 1"       | <b>TLS48</b> | 25      |
| 5/8"      | 3/8"     | <b>TLS53</b> | 25      |
|           | 1/2"     | <b>TLS54</b> | 25      |
|           | 3/4"     | <b>TLS56</b> | 25      |
|           | 1"       | <b>TLS58</b> | 25      |
| 3/4"      | 3/8"     | <b>TLS63</b> | 25      |
|           | 1/2"     | <b>TLS64</b> | 25      |
|           | 3/4"     | <b>TLS66</b> | 25      |
|           | 1"       | <b>TLS68</b> | 15      |
| 1"        | 3/4"     | <b>TLS86</b> | 15      |
|           | 1"       | <b>TLS88</b> | 15      |

- sold in package quantities only.

## 90° Hose Barb Elbow x Female NPT



| Hose Size | Female NPT | Nylon Part #  |
|-----------|------------|---------------|
| 1/2"      | 1/2"       | <b>TLFS44</b> |
| 1/2"      | 3/4"       | <b>TLFS64</b> |
| 3/4"      | 3/4"       | <b>TLFS66</b> |

## Hose Barb x 90° Hose Barb Elbow



| Hose Size | Nylon Part #  | Pkg Qty | Polypropylene Part # | Pkg Qty |
|-----------|---------------|---------|----------------------|---------|
| 1/4"      | <b>TLSS22</b> | 50      | <b>PPLSS22</b>       | 50      |
| 3/8"      | <b>TLSS33</b> | 50      | <b>PPLSS33</b>       | 50      |
| 1/2"      | <b>TLSS44</b> | 50      | <b>PPLSS44</b>       | 50      |
| 3/4"      | <b>TLSS66</b> | 50      | <b>PPLSS66</b>       | 50      |

- sold in package quantities only

## Tuff-Lite™

## Hose Run x Male NPT Branch Tee

| Hose Size | Male NPT | Nylon Part #   | Pkg Qty |
|-----------|----------|----------------|---------|
| 1/4"      | 1/4"     | <b>TSST222</b> | 50      |
| 3/8"      | 3/8"     | <b>TSST333</b> | 50      |
| 1/2"      | 1/2"     | <b>TSST444</b> | 25      |
| 3/4"      | 3/4"     | <b>TSST666</b> | 25      |

- sold in package quantities only



Industrial Hose Fittings

## Hose Run x Hose Branch Tee

| Hose Size | Nylon Part #   | Pkg Qty |
|-----------|----------------|---------|
| 1/4"      | <b>TSSS222</b> | 50      |
| 3/8"      | <b>TSSS333</b> | 50      |
| 1/2"      | <b>TSSS444</b> | 50      |
| 3/4"      | <b>TSSS666</b> | 25      |

- sold in package quantities only



## Menders

## Feature:

- maximum working temperature: 150°F (66°C)

| Size   | Nylon Part #             | Pkg Qty | Polypropylene Part # | Pkg Qty |
|--------|--------------------------|---------|----------------------|---------|
| 1/4"   | <b>TM2</b> <sup>1</sup>  | 50      | <b>PPM2</b>          | 50      |
| 5/16"  | <b>TM25</b> <sup>1</sup> | 50      | ---                  | ---     |
| 3/8"   | <b>TM3</b> <sup>1</sup>  | 50      | <b>PPM3</b>          | 50      |
| 1/2"   | <b>TM4</b> <sup>1</sup>  | 50      | <b>PPM4</b>          | 50      |
| 5/8"   | <b>TM5</b> <sup>1</sup>  | 50      | <b>PPM5</b>          | 50      |
| 3/4"   | <b>TM6</b> <sup>1</sup>  | 50      | <b>PPM6</b>          | 50      |
| 1"     | <b>TM8</b> <sup>1</sup>  | 25      | <b>PPM8</b>          | 50      |
| 1 1/4" | <b>TM16</b>              | 50      | ---                  | ---     |
| 1 1/2" | <b>TM21</b>              | 10      | ---                  | ---     |
| 2"     | <b>TM26</b>              | 20      | ---                  | ---     |
| 4"     | <b>TM46</b>              | 25      | ---                  | ---     |
| 6"     | <b>TM66</b>              | 12      | ---                  | ---     |

- sold in package quantities only



nylon



polypropylene

## Tuff-Lite™

## Short Shank Female GHT Couplings



polypropylene



nylon

- shipped with a red vinyl washer (**TVW7**), replacement washers on page 242

| Hose Shank | Thread Size | Nylon Part # | Polypropylene Part # |
|------------|-------------|--------------|----------------------|
| 1/4"       | 3/4" GHT    | <b>TCF72</b> | <b>PPCF72</b>        |
| 3/8"       | 3/4" GHT    | <b>TCF73</b> | <b>PPCF73</b>        |
| 1/2"       | 3/4" GHT    | <b>TCF74</b> | <b>PPCF74</b>        |
| 5/8"       | 3/4" GHT    | <b>TCF75</b> | <b>PPCF75</b>        |
| 3/4"       | 3/4" GHT    | <b>TCF76</b> | <b>PPCF76</b>        |

## Short Shank Male GHT Couplings



polypropylene



nylon

| Hose Shank | Thread Size | Nylon Part # | Polypropylene Part # |
|------------|-------------|--------------|----------------------|
| 1/4"       | 3/4" GHT    | <b>TCM72</b> | ---                  |
| 3/8"       | 3/4" GHT    | <b>TCM73</b> | <b>PPCM73</b>        |
| 1/2"       | 3/4" GHT    | <b>TCM74</b> | <b>PPCM74</b>        |
| 5/8"       | 3/4" GHT    | <b>TCM75</b> | <b>PPCM75</b>        |
| 3/4"       | 3/4" GHT    | <b>TCM76</b> | <b>PPCM76</b>        |

## Male GHT x Female NPT Adapter



polypropylene



nylon

| Female NPT | Nylon Part # | Pkg Qty | Polypropylene Part # | Pkg Qty |
|------------|--------------|---------|----------------------|---------|
| 1/4"       | <b>TA792</b> | 50      | <b>PPA792</b>        | 50      |
| 3/8"       | <b>TA793</b> | 50      | ---                  | --      |
| 1/2"       | <b>TA794</b> | 50      | <b>PPA794</b>        | 50      |
| 3/4"       | <b>TA796</b> | 50      | <b>PPA796</b>        | 25      |

- sold in package quantities only

## Female GHT x Male NPT Adapter



| Male NPT | Nylon Part # | Pkg Qty |
|----------|--------------|---------|
| 1/4"     | <b>TA972</b> | 50      |
| 3/8"     | <b>TA973</b> | 50      |
| 1/2"     | <b>TA974</b> | 50      |
| 3/4"     | <b>TA976</b> | 50      |

- sold in package quantities only

Tuff-Lite™

## Female GHT x Female NPT Adapter

| Female NPT | Nylon<br>Part # | Pkg<br>Qty |
|------------|-----------------|------------|
| 1/2"       | <b>TA974F</b>   | 50         |
| 3/4"       | <b>TA976F</b>   | 50         |

- sold in package quantities only

Industrial Hose  
Fittings

## Male GHT x Male NPT Adapter

| Male NPT | Nylon<br>Part # | Pkg<br>Qty | Polypropylene<br>Part # | Pkg<br>Qty |
|----------|-----------------|------------|-------------------------|------------|
| 1/4"     | <b>TA772</b>    | 50         | ---                     | ---        |
| 3/8"     | <b>TA773</b>    | 50         | <b>PPA773</b>           | 50         |
| 1/2"     | <b>TA774</b>    | 50         | <b>PPA774</b>           | 50         |
| 3/4"     | <b>TA776</b>    | 50         | <b>PPA776</b>           | 50         |
| 1"       | <b>TA778</b>    | 25         | ---                     | ---        |

- sold in package quantities only



polypropylene



nylon

## Male GHT x 90° Hose Barb Elbow

| Hose Size | Nylon<br>Part # | Pkg<br>Qty |
|-----------|-----------------|------------|
| 3/8"      | <b>TLS37</b>    | 50         |
| 1/2"      | <b>TLS47</b>    | 25         |
| 5/8"      | <b>TLS57</b>    | 25         |
| 3/4"      | <b>TLS67</b>    | 50         |

- sold in package quantities only



## GHT x Male NPT Elbow

| Male NPT | Nylon<br>Part # | Pkg<br>Qty |
|----------|-----------------|------------|
| 3/8"     | <b>TLT73</b>    | 25         |
| 1/2"     | <b>TLT74</b>    | 25         |
| 3/4"     | <b>TLT76</b>    | 25         |

- sold in package quantities only





## Tuff-Lite™

## Push-On Hose Shank x Male NPT Insert

## Feature:

- No clamps are needed when these fittings are used with push-on hose.



| Hose Size | Male NPT | Nylon Part # | Pkg Qty |
|-----------|----------|--------------|---------|
| 1/4"      | 1/8"     | <b>TPN21</b> | 50      |
|           | 1/4"     | <b>TPN22</b> | 50      |
|           | 3/8"     | <b>TPN23</b> | 50      |
| 3/8"      | 1/4"     | <b>TPN32</b> | 50      |
|           | 3/8"     | <b>TPN33</b> | 50      |
|           | 1/2"     | <b>TPN34</b> | 50      |
| 1/2"      | 3/8"     | <b>TPN43</b> | 50      |
|           | 1/2"     | <b>TPN44</b> | 50      |
|           | 3/4"     | <b>TPN46</b> | 50      |

- sold in package quantities only

## Push-On Hose Shank x Female NPT Insert

## Feature:

- No clamps are needed when these fittings are used with push-on hose.



| Hose Size | Female NPT | Nylon Part # | Pkg Qty |
|-----------|------------|--------------|---------|
| 1/4"      | 1/4"       | <b>TPF22</b> | 50      |
| 3/8"      | 1/4"       | <b>TPF32</b> | 50      |
|           | 3/8"       | <b>TPF33</b> | 50      |
| 1/2"      | 3/8"       | <b>TPF43</b> | 50      |
|           | 1/2"       | <b>TPF44</b> | 50      |

- sold in package quantities only

## Push-On Hose Menders

## Feature:

- no clamps needed when used with push-on hose



| Size | Nylon Part # | Pkg Qty |
|------|--------------|---------|
| 1/4" | <b>TPM2</b>  | 50      |
| 3/8" | <b>TPM3</b>  | 50      |
| 1/2" | <b>TPM4</b>  | 50      |

- sold in package quantities only

## Type A

### Application:

- used primarily on irrigation and suction lines

### Features:

- hot dipped, galvanized
- has a double pin locking lever for smooth closing action
- Type A Agri-Lock style locks on female style
- Each coupler is equipped with a safety pin to prevent accidental openings.
- These fittings are not recommended for chemicals or any hazardous type materials where the possibility of leakage would result in health or environmental concerns. Consult Dixon® for recommendations.*



### Female with Hose Shank

#### Feature:

- supplied with gasket

| Size | Galvanized Steel<br>Part #  |
|------|-----------------------------|
| 10"  | <b>FC21210</b>              |
| 12"  | <b>FC21212</b> <sup>1</sup> |

<sup>1</sup> 12" supplied with M20412 lever assist bar found on page 256



10"

### Female with Machined Hose Shank

#### Features:

- Dixon® combination nipple style hose shank machined from Schedule 40 pipe
- recommended for use with steel King Crimp™ sleeves
- supplied with gasket

| Size | Galvanized Steel<br>Part #       |
|------|----------------------------------|
| 10"  | <b>FC21210ST100</b>              |
| 12"  | <b>FC21212ST120</b> <sup>1</sup> |

<sup>1</sup> 12" supplied with M20412 lever assist bar found on page 256



12"

### Female with 150# ASA Flange

#### Feature:

- supplied with gasket

| Size | Galvanized Steel<br>Part #  |
|------|-----------------------------|
| 10"  | <b>FC22310</b>              |
| 12"  | <b>FC22312</b> <sup>1</sup> |

<sup>1</sup> 12" supplied with M20412 lever assist bar found on page 256

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).



12"

## Type A

## Male with Hose Shank



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 10"  | <b>MC21110</b>             |
| 12"  | <b>MC21112</b>             |

## Male with Machined Hose Shank

## Features:

- Dixon® combination nipple style hose shank machined from Schedule 40 pipe
- recommended for use with steel King Crimp™ sleeves



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 10"  | <b>MC21110ST100</b>        |
| 12"  | <b>MC21112ST120</b>        |

## Male with 150# ASA Flange



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 10"  | <b>MC22210</b>             |
| 12"  | <b>MC22212</b>             |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Type A

## Male x Female 90° Elbows

## Feature:

- supplied with gasket

| Size | Galvanized Steel<br>Part #     |
|------|--------------------------------|
| 10"  | <b>EL21510-90</b>              |
| 12"  | <b>EL21512-90</b> <sup>1</sup> |

<sup>1</sup> 12" supplied with M20412 lever assist bar on page 256



12"

Industrial Hose  
Fittings

## Female for Welding to Pipe

| Size | Unplated Steel<br>Part # |
|------|--------------------------|
| 10"  | <b>20410</b>             |
| 12"  | <b>20412</b>             |



12"

## Males with Ring for Welding

| Size | Unplated Steel<br>Part # |
|------|--------------------------|
| 10"  | <b>21010</b>             |
| 12"  | <b>21012</b>             |



## Female Plugs

## Feature:

- supplied with gasket

| Size | Galvanized Steel<br>Part #  |
|------|-----------------------------|
| 10"  | <b>FP20910</b>              |
| 12"  | <b>FP20912</b> <sup>1</sup> |

<sup>1</sup> 12" supplied with M20412 lever assist bar on page 256



10"

Type A

Male Plugs with Ring

Industrial Hose  
Fittings



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 10"  | <b>MP21010</b>             |
| 12"  | <b>MP21012</b>             |

Gaskets



| Size | Rubber<br>Part # | EPDM<br>Part # |
|------|------------------|----------------|
| 10"  | <b>RG20510</b>   | <b>RG20610</b> |
| 12"  | <b>RG20512</b>   | <b>RG20612</b> |

Lever Assist Bar



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 12"  | <b>M20412</b>              |

Quick Connect Safety Pin



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 12"  | <b>SP290</b>               |

## Type B

**Application:**

- used primarily on irrigation and suction lines

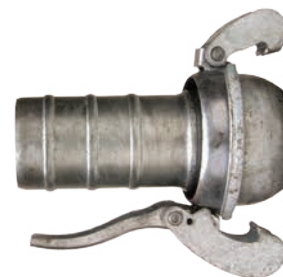
**Features:**

- hot dipped, galvanized
- has a double pin locking lever for smooth closing action
- Type B (*Bauer style*) locks on the male side
- Each coupler is equipped with a safety pin to prevent accidental openings.
- *These fittings are not recommended for chemicals or any hazardous type materials where the possibility of leakage would result in health or environmental concerns. Consult Dixon® for recommendations.*

**Male x Hose Shank**

| Size | Galvanized Steel<br>Part #  |
|------|-----------------------------|
| 2"   | <b>MC3092</b>               |
| 3"   | <b>MC3093</b>               |
| 4"   | <b>MC3094</b>               |
| 6"   | <b>MC3096</b>               |
| 8"   | <b>MC3098</b>               |
| 10"  | <b>MC30910</b> <sup>1</sup> |
| 12"  | <b>MC30912</b> <sup>1</sup> |

<sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 261



D

**Male with Male NPT**

| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>MCM3112</b>             |
| 3"   | <b>MCM3113</b>             |
| 4"   | <b>MCM3114</b>             |
| 6"   | <b>MCM3116</b>             |
| 8"   | <b>MCM3118</b>             |

**Female x Hose Shank****Feature:**

- supplied with gasket

| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>FC3102</b>              |
| 3"   | <b>FC3103</b>              |
| 4"   | <b>FC3104</b>              |
| 6"   | <b>FC3106</b>              |
| 8"   | <b>FC3108</b>              |
| 10"  | <b>FC31010</b>             |
| 12"  | <b>FC31012</b>             |

**Female with Male NPT****Feature:**

- supplied with gasket

| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>FCM3122</b>             |
| 3"   | <b>FCM3123</b>             |
| 4"   | <b>FCM3124</b>             |
| 6"   | <b>FCM3126</b>             |
| 8"   | <b>FCM3128</b>             |





## Type B

## Male with Machined Hose Shank

## Features:

- Dixon® combination nipple style hose shank machined from Schedule 40 pipe
- recommended for use with steel King Crimp™ sleeves



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>MC3092ST25</b>          |
| 3"   | <b>MC3093ST35</b>          |
| 4"   | <b>MC3094ST40</b>          |
| 6"   | <b>MC3096ST60</b>          |
| 8"   | <b>MC3098ST80</b>          |

## Male x 150# ASA Flange



| Size | Galvanized Steel<br>Part #  |
|------|-----------------------------|
| 4"   | <b>MC3134</b>               |
| 6"   | <b>MC3136</b>               |
| 8"   | <b>MC3138</b>               |
| 10"  | <b>MC31310</b> <sup>1</sup> |
| 12"  | <b>MC31312</b> <sup>1</sup> |

<sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 261

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Male Weld-On



| Size | Unplated Steel<br>Part # |
|------|--------------------------|
| 2"   | <b>3032</b>              |
| 3"   | <b>3033</b>              |
| 4"   | <b>3034</b>              |
| 6"   | <b>3036</b>              |
| 8"   | <b>3038</b>              |
| 10"  | <b>30310</b>             |
| 12"  | <b>30312</b>             |

- female and male fittings are commonly used for butt-welding to pipe

## Heavy Duty Female x Dixon® Combination Nipple Hose Shank



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>FC3102ST25</b>          |
| 3"   | <b>FC3103ST35</b>          |
| 4"   | <b>FC3104ST40</b>          |
| 6"   | <b>FC3106ST60</b>          |
| 8"   | <b>FC3108ST80</b>          |

## Type B

## Female x 150# ASA Flange

## Feature:

- supplied with gasket

| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 4"   | <b>FC3144</b>              |
| 6"   | <b>FC3146</b>              |
| 8"   | <b>FC3148</b>              |
| 10"  | <b>FC31410</b>             |
| 12"  | <b>FC31412</b>             |

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Industrial Hose  
Fittings

## Female Weld-On with Gasket

## Feature:

- supplied with gasket

| Size | Unplated Steel<br>Part # |
|------|--------------------------|
| 2"   | <b>3022</b>              |
| 3"   | <b>3023</b>              |
| 4"   | <b>3024</b>              |
| 6"   | <b>3026</b>              |
| 8"   | <b>3028</b>              |
| 10"  | <b>30210</b>             |
| 12"  | <b>30212</b>             |



D

## Male x Female 90° Elbow

## Feature:

- supplied with gasket

| Size | Galvanized Steel<br>Part #    |
|------|-------------------------------|
| 4"   | <b>EL3154-90</b>              |
| 6"   | <b>EL3156-90</b>              |
| 8"   | <b>EL3158-90</b>              |
| 10"  | <b>EL31510-90<sup>1</sup></b> |
| 12"  | <b>EL31512-90<sup>1</sup></b> |

<sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 261



## Male x Female 45° Elbow

## Feature:

- supplied with gasket

| Size | Galvanized Steel<br>Part #    |
|------|-------------------------------|
| 4"   | <b>EL3154-45</b>              |
| 6"   | <b>EL3156-45</b>              |
| 8"   | <b>EL3158-45</b>              |
| 10"  | <b>EL31510-45<sup>1</sup></b> |
| 12"  | <b>EL31512-45<sup>1</sup></b> |

<sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 262



## Type B

## Female x Male Reducer



## Feature:

- supplied with gasket

| Female Size | Male Size | Galvanized Steel<br>Part #    |
|-------------|-----------|-------------------------------|
| 6"          | 4"        | <b>FMR31864</b>               |
| 8"          | 6"        | <b>FMR31886</b>               |
| 10"         | 8"        | <b>FMR318108<sup>1</sup></b>  |
| 12"         | 10"       | <b>FMR3181210<sup>1</sup></b> |

<sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 261

## Female x Male Increaser



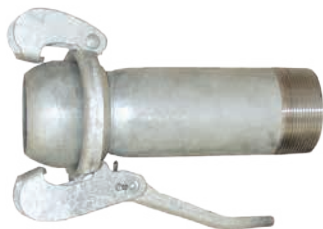
## Feature:

- supplied with gasket

| Female Size | Male Size | Galvanized Steel<br>Part #    |
|-------------|-----------|-------------------------------|
| 4"          | 6"        | <b>FMI31946</b>               |
| 6"          | 8"        | <b>FMI31968</b>               |
| 8"          | 10"       | <b>FMI319810</b>              |
| 10"         | 12"       | <b>FMI3191012<sup>1</sup></b> |

<sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 261

## Male with Male NPT- extra long



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>MCM3112XL</b>           |
| 3"   | <b>MCM3113XL</b>           |
| 4"   | <b>MCM3114XL</b>           |
| 6"   | <b>MCM3116XL</b>           |
| 8"   | <b>MCM3118XL</b>           |

## Male Plugs



| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>MP3232</b>              |
| 3"   | <b>MP3233</b>              |
| 4"   | <b>MP3234</b>              |
| 6"   | <b>MP3236</b>              |
| 8"   | <b>MP3238</b>              |
| 10"  | <b>MP32310<sup>1</sup></b> |
| 12"  | <b>MP32312<sup>1</sup></b> |

<sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 261

## Type B Female Plugs

**Feature:**

- supplied with gasket

| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>FP3082</b>              |
| 3"   | <b>FP3083</b>              |
| 4"   | <b>FP3084</b>              |
| 6"   | <b>FP3086</b>              |
| 8"   | <b>FP3088</b>              |
| 10"  | <b>FP30810</b>             |
| 12"  | <b>FP30812</b>             |



Industrial Hose  
Fittings

## Lever Rings

| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>LR3042</b>              |
| 3"   | <b>LR3043</b>              |
| 4"   | <b>LR3044</b>              |
| 6"   | <b>LR3046</b>              |
| 8"   | <b>LR3048</b>              |
| 10"  | <b>LR30410</b>             |
| 12"  | <b>LR30412</b>             |



D

## Lever Assist Bar

| Size      | Description                                      | Galvanized Steel<br>Part # |
|-----------|--|----------------------------|
| 10" & 12" | lever assist bar for 10" and 12" Type B fittings | <b>ACB304</b>              |



## Gaskets

| Size | Rubber<br>Part # | EPDM<br>Part # |
|------|------------------|----------------|
| 2"   | <b>RG3052</b>    | <b>RG3062</b>  |
| 3"   | <b>RG3053</b>    | <b>RG3063</b>  |
| 4"   | <b>RG3054</b>    | <b>RG3064</b>  |
| 6"   | <b>RG3056</b>    | <b>RG3066</b>  |
| 8"   | <b>RG3058</b>    | <b>RG3068</b>  |
| 10"  | <b>RG30510</b>   | <b>RG30610</b> |
| 12"  | <b>RG30512</b>   | <b>RG30612</b> |



## Quick Connect Safety Clips

| Size | Galvanized Steel<br>Part # |
|------|----------------------------|
| 2"   | <b>SP59</b>                |
| 3"   | <b>SP76</b>                |
| 4"   | <b>SP89</b>                |
| 6"   | <b>SP159</b>               |
| 8"   | <b>SP159</b>               |
| 10"  | <b>SP390</b>               |
| 12"  | <b>SP390</b>               |



2" - 8"



10" - 12"

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## Dixon® Worm Gear Clamps

## Features:

- clamp meets SAEJ1508 which supercedes Mil Spec WW-C-440B
- four-piece construction
- screw design: 5/16" slotted hex head
- maximum recommended torque 50 in. lbs.
- **all clamps sold 10 per box**

## Style HS material:

- band and housing: SAE 300 series stainless
- screw: SAE 1018 case-hardened, hex-free chrome zinc-plated steel

## Style HSS material:

- band and housing: SAE 300 series stainless
- screw: SAE 300 series stainless

| Band Width | Hose OD  |         | style HS Part # | Master Case Qty | style HSS Part # | Master Case Qty |
|------------|----------|---------|-----------------|-----------------|------------------|-----------------|
| 1/2"       | 7/16"    | 25/32"  | <b>HS6</b>      | 200             | <b>HSS6</b>      | 200             |
|            | 1/2"     | 29/32"  | <b>HS8</b>      | 200             | <b>HSS8</b>      | 200             |
|            | 9/16"    | 1-1/16" | <b>HS10</b>     | 500             | <b>HSS10</b>     | 500             |
|            | 11/16"   | 1-1/14" | <b>HS12</b>     | 500             | <b>HSS12</b>     | 500             |
|            | 13/16"   | 1-1/2"  | <b>HS16</b>     | 500             | <b>HSS16</b>     | 500             |
|            | 13/16"   | 1-3/4"  | <b>HS20</b>     | 500             | <b>HSS20</b>     | 500             |
|            | 1-1/16"  | 2"      | <b>HS24</b>     | 500             | <b>HSS24</b>     | 500             |
|            | 1-5/16"  | 2-1/4"  | <b>HS28</b>     | 500             | <b>HSS28</b>     | 500             |
|            | 1-9/16"  | 2-1/2"  | <b>HS32</b>     | 500             | <b>HSS32</b>     | 500             |
|            | 1-13/16" | 2-3/4"  | <b>HS36</b>     | 500             | <b>HSS36</b>     | 500             |
|            | 2-1/16"  | 3"      | <b>HS40</b>     | 200             | <b>HSS40</b>     | 200             |
|            | 2-5/16"  | 3-1/4"  | <b>HS44</b>     | 200             | <b>HSS44</b>     | 200             |
|            | 2-9/16"  | 3-1/2"  | <b>HS48</b>     | 200             | <b>HSS48</b>     | 200             |
|            | 2-13/16" | 3-3/4"  | <b>HS52</b>     | 200             | <b>HSS52</b>     | 200             |
|            | 3-1/16"  | 4"      | <b>HS56</b>     | 200             | <b>HSS56</b>     | 200             |
|            | 3-5/16"  | 4-1/4"  | <b>HS60</b>     | 200             | <b>HSS60</b>     | 200             |
| 9/16"      | 3-9/16"  | 4-1/2"  | <b>HS64</b>     | 200             | <b>HSS64</b>     | 200             |
|            | 1-7/8"   | 5"      | <b>HS72</b>     | 100             | <b>HSS72</b>     | 100             |
|            | 2-1/2"   | 5-1/2"  | <b>HS80</b>     | 100             | <b>HSS80</b>     | 100             |
|            | 3-1/8"   | 6"      | <b>HS88</b>     | 100             | <b>HSS88</b>     | 100             |
|            | 3-5/8"   | 6-1/2"  | <b>HS96</b>     | 100             | <b>HSS96</b>     | 100             |
|            | 4-1/8"   | 7"      | <b>HS104</b>    | 100             | <b>HSS104</b>    | 100             |
|            | 5-5/8"   | 8-1/2"  | <b>HS128</b>    | 100             | <b>HSS128</b>    | 100             |
|            | 7-1/8"   | 10"     | <b>HS152</b>    | 100             | <b>HSS152</b>    | 100             |
|            | 9-3/8"   | 12-1/4" | <b>HS188</b>    | 100             | <b>HSS188</b>    | 100             |
|            | 10-1/8"  | 13"     | <b>HS200</b>    | 100             | <b>HSS200</b>    | 100             |
|            | 10-7/8"  | 13-3/4" | <b>HS212</b>    | 100             | <b>HSS212</b>    | 100             |
|            | 11-5/8"  | 14-1/2" | <b>HS224</b>    | 100             | <b>HSS224</b>    | 100             |
|            | 12-3/8"  | 15-1/4" | <b>HS236</b>    | 100             | <b>HSS236</b>    | 100             |
|            | 13-1/8"  | 16"     | <b>HS248</b>    | 100             | <b>HSS248</b>    | 100             |
|            | 17-1/8"  | 20"     | <b>HS312</b>    | 100             | <b>HSS312</b>    | 100             |



style HSS

Clamps

## Miniature Worm Gear Clamps

## Features:

- meets SAE J1508
- screw design: 1/4" slotted hex head
- maximum recommended torque 15 in. lbs.
- **all clamps sold 10 per box**

## Style MH material:

- band and housing: SAE 300 series stainless
- screw: SAE 1018 case-hardened, hex-free chrome zinc-plated steel


## Style MAH material:

- band and housing: SAE 300 series stainless
- screw: SAE 300 series stainless

| Band Width | Hose OD |         | style MH Part # | Master Case Qty | style MAH Part # | Master Case Qty |
|------------|---------|---------|-----------------|-----------------|------------------|-----------------|
| 5/16"      | 7/32"   | 5/8"    | <b>MH4</b>      | 500             | <b>MAH4</b>      | 500             |
|            | 7/16"   | 25/32"  | <b>MH6</b>      | 500             | <b>MAH6</b>      | 500             |
|            | 1/2"    | 29/32"  | <b>MH8</b>      | 200             | <b>MAH8</b>      | 200             |
|            | 9/16"   | 1-1/16" | <b>MH10</b>     | 200             | <b>MAH10</b>     | 200             |
|            | 11/16"  | 1-1/4"  | <b>MH12</b>     | 200             | <b>MAH12</b>     | 200             |
|            | 15/16"  | 1-1/2"  | <b>MH16</b>     | 200             | <b>MAH16</b>     | 200             |
|            | 1-3/16" | 1-3/4"  | <b>MH20</b>     | 200             | <b>MAH20</b>     | 200             |




style MH

Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp. 



## Aero-Seal® Worm Gear Clamps

## Features:

- four-piece construction
- band slots designed for strength and smooth action
- saddle interlocks into embossed band to form a true concentric circle
- slotted hex head screw design
- heat treated screws have buttress thread type
- safety collar or thumb screw available on the style 200 series only
- suggested installation torque 30-42 inch pounds, maximum recommended torque 60 in. lbs.
- **all clamps sold 10 per box**
- Torque ratings correspond to the torque rating of the screw of the clamp and *are not an indication of the working pressure of any hose assembly installed with this clamp.* 

## Style 100:

- band and housing: 300 SS
- screw: plated carbon steel

## Style 200:

- band and housing: 300 SS
- screw: 410 stainless steel

## Style 300:

- band and housing: 300 SS
- screw: 305 stainless steel




style 300

| Band Width | Hose OD  |         | Style 100 | Style 200 | Style 300 | Pkg Qty |
|------------|----------|---------|-----------|-----------|-----------|---------|
|            | from     | to      | Part #    | Part #    | Part #    |         |
| 9/16"      | 7/16"    | 25/32"  | 10006     | 20006     | 30006     | 10      |
|            | 1/2"     | 29/32"  | 10008     | 20008     | 30008     | 10      |
|            | 9/16"    | 1-1/16" | 10010     | 20010     | 30010     | 10      |
|            | 11/16"   | 1-1/4"  | 10012     | 20012     | 30012     | 10      |
|            | 13/16"   | 1-1/2"  | 10016     | 20016     | 30016     | 10      |
|            | 13/16"   | 1-3/4"  | 10020     | 20020     | 30020     | 10      |
|            | 1-1/16"  | 2"      | 10024     | 20024     | 30024     | 10      |
|            | 1-5/16"  | 2-1/4"  | 10028     | 20028     | 30028     | 10      |
|            | 1-9/16"  | 2-1/2"  | 10032     | 20032     | 30032     | 10      |
|            | 1-13/16" | 2-3/4"  | 10036     | 20036     | 30036     | 10      |
|            | 2-1/16"  | 3"      | 10040     | 20040     | 30040     | 10      |
|            | 2-5/16"  | 3-1/4"  | 10044     | 20044     | 30044     | 10      |
|            | 2-9/16"  | 3-1/2"  | 10048     | 20048     | 30048     | 10      |
|            | 2-13/16" | 3-3/4"  | 10052     | 20052     | 30052     | 10      |
|            | 3-1/16"  | 4"      | 10056     | 20056     | 30056     | 10      |
|            | 3-5/16"  | 4-1/4"  | 10060     | 20060     | 30060     | 10      |

## Marine Grade Worm Gear Clamps

## Features:

- three-piece construction
- clamp meets SAEJ1508 which supercedes Mil Spec WW-C-440B
- 316 stainless steel marine grade: band, screw, housing
- screw design: 5/16" slotted hex head
- suggested installation torque 30-42 inch pounds, maximum recommended torque 60 in. lbs.
- **all clamps sold 10 per box**
- Torque ratings correspond to the torque rating of the screw of the clamp and *are not an indication of the working pressure of any hose assembly installed with this clamp.* 



| Band Width | Hose OD  |         | 316 Stainless Steel |
|------------|----------|---------|---------------------|
|            | from     | to      | Part #              |
| 1/2"       | 3/8"     | 7/8"    | MGC6                |
|            | 7/16"    | 1"      | MGC8                |
|            | 9/16"    | 1-1/16" | MGC10               |
|            | 9/16"    | 1-5/16" | MGC12               |
|            | 11/16"   | 1-1/2"  | MGC16               |
|            | 3/4"     | 1-3/4"  | MGC20               |
|            | 1-1/16"  | 2"      | MGC24               |
|            | 1-5/16"  | 2-1/4"  | MGC28               |
|            | 1-9/16"  | 2-1/2"  | MGC32               |
|            | 1-13/16" | 2-3/4"  | MGC36               |
|            | 2-11/16" | 3"      | MGC40               |
|            | 2-5/16"  | 3-1/4"  | MGC44               |
|            | 2-9/16"  | 3-1/2"  | MGC48               |
|            | 2-13/16" | 3-3/4"  | MGC52               |
|            | 3-1/16"  | 4"      | MGC56               |
|            | 2-1/2"   | 4-1/2"  | MGC64               |
|            | 3-1/16"  | 5"      | MGC72               |
|            | 3-1/2"   | 5-1/2"  | MGC80               |
|            | 4-3/32"  | 6"      | MGC88               |
|            | 4-1/2"   | 6-1/2"  | MGC96               |
|            | 5"       | 7"      | MGC104              |

## Aero-Seal® Liner Worm Gear Clamps

## Features:

- The integral extension of the band as a liner (no rivets or welds) protects soft surface hose (silicone and others) from damage caused by extrusion or shearing through the band slots.
- screw design: 5/16" hex slotted hex head
- **all clamps sold 10 per box**
- band, saddle, housing: stainless steel

## Style DL:

- screw: plated carbon steel

## Style DLS:

- screw: 410 stainless steel

| Band Width | Hose OD  |         | style DL Part # | Pkg Qty | style DLS Part # | Pkg Qty |
|------------|----------|---------|-----------------|---------|------------------|---------|
|            | from     | to      |                 |         |                  |         |
| 1/2"       | 7/16"    | 25/32"  | <b>DL9206</b>   | 10      | <b>DLS9406</b>   | 10      |
|            | 1/2"     | 29/32"  | <b>DL9208</b>   | 10      | <b>DLS9408</b>   | 10      |
|            | 9/16"    | 1-1/16" | <b>DL9210</b>   | 10      | <b>DLS9410</b>   | 10      |
|            | 11/16"   | 1-1/4"  | <b>DL9212</b>   | 10      | <b>DLS9412</b>   | 10      |
|            | 13/16"   | 1-1/2"  | <b>DL9216</b>   | 10      | <b>DLS9416</b>   | 10      |
|            | 13/16"   | 1-3/4"  | <b>DL9220</b>   | 10      | <b>DLS9420</b>   | 10      |
|            | 1-1/16"  | 2"      | <b>DL9224</b>   | 10      | <b>DLS9424</b>   | 10      |
|            | 1-5/16"  | 2-1/4"  | <b>DL9228</b>   | 10      | <b>DLS9428</b>   | 10      |
|            | 1-9/16"  | 2-1/2"  | <b>DL9232</b>   | 10      | <b>DLS9432</b>   | 10      |
|            | 1-13/16" | 2-3/4"  | <b>DL9236</b>   | 10      | <b>DLS9436</b>   | 10      |
|            | 2-1/16"  | 3"      | <b>DL9240</b>   | 10      | <b>DLS9440</b>   | 10      |
|            | 2-5/16"  | 3-1/4"  | <b>DL9244</b>   | 10      | <b>DLS9444</b>   | 10      |
|            | 2-9/16"  | 3-1/2"  | <b>DL9248</b>   | 10      | <b>DLS9448</b>   | 10      |



style DLS


Clamps

## WaveSeal Clamps

## Application:

- provides optimal retention in applications involving thermal cycling and / or high vibration

## Features:

- produces a sealing O-ring effect that prevents leakage
- 5/16" head screw
- suggested installation torque 50-70 inch pounds
- **all clamps sold 10 per box**
- construction:
  - band: 300 stainless steel
  - liner and housing: 300 stainless steel
  - screw: 410 stainless steel
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp. 

| Band Width | Hose OD  |          | Part #       | Pkg Qty |
|------------|----------|----------|--------------|---------|
|            | from     | to       |              |         |
| 9/16"      | 1-3/32"  | 1-5/16"  | <b>WSS16</b> | 10      |
|            | 1-1/8"   | 1-1/2"   | <b>WSS19</b> | 10      |
|            | 1-1/8"   | 1-9/16"  | <b>WSS20</b> | 10      |
|            | 1-7/16"  | 1-11/16" | <b>WSS22</b> | 10      |
|            | 1-1/2"   | 1-13/16" | <b>WSS24</b> | 10      |
|            | 1-3/4"   | 2-1/16"  | <b>WSS28</b> | 10      |
|            | 1-15/16" | 2-5/16"  | <b>WSS32</b> | 10      |
|            | 2"       | 2-7/16"  | <b>WSS34</b> | 10      |
|            | 2-1/8"   | 2-9/16"  | <b>WSS36</b> | 10      |
|            | 2-5/16"  | 2-13/16" | <b>WSS40</b> | 10      |
|            | 2-1/2"   | 3-1/16"  | <b>WSS44</b> | 10      |
|            | 2-11/16" | 3-5/16"  | <b>WSS48</b> | 10      |
|            | 2-7/8"   | 3-9/16"  | <b>WSS52</b> | 10      |
|            | 3-1/16"  | 3-13/16" | <b>WSS56</b> | 10      |
|            | 3-1/4"   | 4-1/16"  | <b>WSS60</b> | 10      |
|            | 3-7/16"  | 4-5/16"  | <b>WSS64</b> | 10      |
|            | 3-3/4"   | 4-13/16" | <b>WSS72</b> | 10      |
|            | 4-3/16"  | 5-5/16"  | <b>WSS80</b> | 10      |
|            | 4-1/2"   | 5-13/16" | <b>WSS88</b> | 10      |



## Constant Torque Worm Gear Clamps

## Features:

- A patented Belleville spring mechanism permits the clamp to automatically increase or decrease its own diameter due to changes in operational or environmental temperatures.
- $\frac{3}{8}$ " hex, carbon steel screw
- $\frac{5}{8}$ " wide 300 stainless steel band


Clamps



| Band Width      | Hose OD           |                   | Part # |
|-----------------|-------------------|-------------------|--------|
|                 | from              | to                |        |
| $\frac{5}{8}$ " | 1"                | 1 $\frac{3}{4}$ " | CT175L |
|                 | 1 $\frac{1}{4}$ " | 2 $\frac{1}{8}$ " | CT200L |
|                 | 1 $\frac{3}{4}$ " | 2 $\frac{5}{8}$ " | CT250L |
|                 | 2 $\frac{1}{4}$ " | 3 $\frac{1}{8}$ " | CT300L |
|                 | 2 $\frac{3}{4}$ " | 3 $\frac{5}{8}$ " | CT350L |
|                 | 3 $\frac{1}{4}$ " | 4 $\frac{1}{8}$ " | CT400L |
|                 | 3 $\frac{3}{4}$ " | 4 $\frac{5}{8}$ " | CT450L |
|                 | 4 $\frac{1}{4}$ " | 5 $\frac{1}{8}$ " | CT500L |
|                 | 4 $\frac{3}{4}$ " | 5 $\frac{5}{8}$ " | CT550L |
|                 | 5 $\frac{1}{4}$ " | 6 $\frac{1}{8}$ " | CT600L |
|                 | 5 $\frac{3}{4}$ " | 6 $\frac{5}{8}$ " | CT650L |
|                 | 6 $\frac{1}{4}$ " | 7 $\frac{1}{8}$ " | CT700L |
|                 | 6 $\frac{3}{4}$ " | 7 $\frac{5}{8}$ " | CT750L |
|                 | 7 $\frac{1}{4}$ " | 8 $\frac{1}{8}$ " | CT800L |
|                 | 7 $\frac{3}{4}$ " | 8 $\frac{5}{8}$ " | CT850L |
|                 | 8 $\frac{1}{4}$ " | 9 $\frac{1}{8}$ " | CT900L |
|                 | 8 $\frac{3}{4}$ " | 9 $\frac{5}{8}$ " | CT950L |

## HTM Hi Torque Worm Gear Clamps

## Features:

- withstands more than three times the SAE torque requirements for worm-driven clamps
- eight screw threads are engaged in the band simultaneously for incredible torquing drive (over 90 in. lbs.), sealing pressure and vibration resistance
- slotted hex head screw design
- Torque ratings correspond to the torque rating of the screw of the clamp and *are not an indication of the working pressure of any hose assembly installed with this clamp.* 

## Materials:

- band and housing: 300 series half hard stainless <sup>1</sup>
- screw: 410 stainless steel screw



style HTM



style HP

| Band Width      | Hose OD           |                   | Stainless Steel Part # |
|-----------------|-------------------|-------------------|------------------------|
|                 | from              | to                |                        |
| $\frac{5}{8}$ " | 1 $\frac{1}{4}$ " | 2 $\frac{1}{8}$ " | HTM200                 |
|                 | 1 $\frac{1}{4}$ " | 2 $\frac{5}{8}$ " | HP2 <sup>1</sup>       |
|                 | 1 $\frac{3}{4}$ " | 2 $\frac{5}{8}$ " | HTM250                 |
|                 | 2 $\frac{1}{8}$ " | 4 $\frac{1}{8}$ " | HP3 <sup>1</sup>       |
|                 | 2 $\frac{1}{4}$ " | 3 $\frac{1}{8}$ " | HTM300                 |
|                 | 2 $\frac{3}{4}$ " | 3 $\frac{5}{8}$ " | HTM350                 |
|                 | 3 $\frac{1}{2}$ " | 4 $\frac{1}{8}$ " | HTM400                 |
|                 | 3 $\frac{3}{4}$ " | 4 $\frac{5}{8}$ " | HTM450                 |
|                 | 4"                | 6 $\frac{1}{8}$ " | HP4 <sup>1</sup>       |
|                 | 4 $\frac{1}{4}$ " | 5 $\frac{1}{8}$ " | HTM500                 |
|                 | 4 $\frac{3}{4}$ " | 5 $\frac{5}{8}$ " | HTM550                 |
|                 | 5 $\frac{1}{4}$ " | 6 $\frac{1}{8}$ " | HTM600                 |
|                 | 5 $\frac{3}{4}$ " | 6 $\frac{5}{8}$ " | HTM650                 |
|                 | 6 $\frac{1}{8}$ " | 9 $\frac{1}{8}$ " | HP5 <sup>1</sup>       |
|                 | 6 $\frac{1}{4}$ " | 7 $\frac{1}{8}$ " | HTM700                 |
|                 | 6 $\frac{3}{4}$ " | 7 $\frac{5}{8}$ " | HTM750                 |
|                 | 7 $\frac{1}{4}$ " | 8 $\frac{1}{8}$ " | HTM800                 |
|                 | 7 $\frac{3}{4}$ " | 8 $\frac{5}{8}$ " | HTM850                 |
|                 | 8 $\frac{1}{4}$ " | 9 $\frac{1}{8}$ " | HTM900                 |

<sup>1</sup> extended hose OD range

## Center Punch Band Clamps

## Features:

- install with center punch tools F1, F38, F40 and F100 located on page 271 other manufacturer's punch style tools may also be used
- on stainless clamps, bands are 300 series stainless steel, buckles are 302 series stainless steel
- sold in package quantities only

## Pre-formed F Series

| Band Width | Clamp ID | Band THK | Stainless Steel Part # | Pkg Qty | Band THK | Galvanized Steel Part # | Pkg Qty |
|------------|----------|----------|------------------------|---------|----------|-------------------------|---------|
| 3/8"       | 13/16"   | .020"    | <b>FS3</b>             | 100     | .025"    | <b>F3</b>               | 100     |
|            | 1-3/8"   | .020"    | <b>FS311</b>           | 100     | .025"    | <b>F311</b>             | 100     |
| 5/8"       | 1"       | .022"    | <b>FS4</b>             | 100     | .025"    | <b>F4</b>               | 100     |
|            | 1-1/4"   | .022"    | <b>FS5</b>             | 100     | .025"    | <b>F5</b>               | 100     |
|            | 1-1/2"   | .022"    | <b>FS6</b>             | 100     | .031"    | <b>F6</b>               | 100     |
|            | 1-3/4"   | .022"    | <b>FS7</b>             | 100     | .031"    | <b>F7</b>               | 100     |
|            | 2"       | .022"    | <b>FS8</b>             | 100     | .031"    | <b>F8</b>               | 100     |
|            | 2-1/4"   | .022"    | <b>FS9</b>             | 100     | .031"    | <b>F9</b>               | 100     |
|            | 2-1/2"   | .022"    | <b>FS10</b>            | 50      | .031"    | <b>F10</b>              | 50      |
|            | 2-3/4"   | .022"    | <b>FS11</b>            | 50      | .031"    | <b>F11</b>              | 50      |
|            | 3"       | .022"    | <b>FS12</b>            | 50      | .031"    | <b>F12</b>              | 50      |
|            | 3-1/2"   | .022"    | <b>FS14</b>            | 50      | .031"    | <b>F14</b>              | 50      |
|            | 4"       | .022"    | <b>FS16</b>            | 25      | .031"    | <b>F16</b>              | 25      |
|            | 4-1/2"   | .022"    | <b>FS18</b>            | 25      | .031"    | <b>F18</b>              | 25      |
|            | 5"       | .022"    | <b>FS20</b>            | 25      | .031"    | <b>F20</b>              | 25      |
|            | 6"       | .022"    | <b>FS24</b>            | 25      | .031"    | <b>F24</b>              | 25      |
|            | 7"       | .022"    | <b>FS28</b>            | 25      | .031"    | <b>F28</b>              | 25      |
|            | 8"       | .022"    | <b>FS32</b>            | 25      | .031"    | <b>F32</b>              | 25      |



Clamps

E

## Open End FO Series

| Band Width | Clamp ID | Band THK | Stainless Steel Part # | Pkg Qty | Band THK | Galvanized Steel Part # | Pkg Qty |
|------------|----------|----------|------------------------|---------|----------|-------------------------|---------|
| 3/8"       | 13/16"   | .020"    | <b>FOS3</b>            | 100     | .025"    | <b>FO3</b>              | 100     |
|            | 1-3/8"   | .020"    | <b>FOS311</b>          | 100     | .025"    | <b>FO311</b>            | 100     |
|            | 2"       | .020"    | <b>FOS316</b>          | 100     | .025"    | <b>FO316</b>            | 100     |
|            | 3-1/8"   | .020"    | <b>FOS325</b>          | 100     | .025"    | <b>FO325</b>            | 100     |
| 5/8"       | 2"       | .022"    | <b>FOS8</b>            | 100     | .025"    | <b>FO8</b>              | 100     |
|            | 2-1/2"   | .022"    | <b>FOS10</b>           | 50      | .025"    | <b>FO10</b>             | 50      |
|            | 3"       | .022"    | <b>FOS12</b>           | 50      | .031"    | <b>FO12</b>             | 50      |
|            | 3-1/2"   | .022"    | <b>FOS14</b>           | 50      | .031"    | <b>FO14</b>             | 50      |
|            | 4"       | .022"    | <b>FOS16</b>           | 50      | .031"    | <b>FO16</b>             | 50      |
|            | 4-1/2"   | .022"    | <b>FOS18</b>           | 50      | .031"    | <b>FO18</b>             | 50      |
|            | 5"       | .022"    | <b>FOS20</b>           | 25      | .031"    | <b>FO20</b>             | 25      |
|            | 6"       | .022"    | <b>FOS24</b>           | 25      | .031"    | <b>FO24</b>             | 25      |
|            | 7"       | .022"    | <b>FOS28</b>           | 25      | .031"    | <b>FO28</b>             | 25      |
|            | 8"       | .022"    | <b>FOS32</b>           | 25      | .031"    | <b>FO32</b>             | 25      |
|            | 9"       | .022"    | ---                    | ---     | .031"    | <b>FO36</b>             | 25      |
|            | 10"      | .022"    | ---                    | ---     | .031"    | <b>FO40</b>             | 25      |
|            | 12"      | .022"    | ---                    | ---     | .031"    | <b>FO48</b>             | 25      |
|            | 14"      | .022"    | ---                    | ---     | .031"    | <b>FO56</b>             | 10      |



## Universal Pre-formed K series

Clamps

**Features:**

- on stainless clamps, bands are 300 series stainless steel, buckles are 302 series stainless steel
- can be center punched or rolled over, install with the center punch or roll over tools located on page 271
- Fast-Lok™ tools: F1, F40, F100 page 271
- Super Strap Tools: 51960 screw action with 51970 adapter page 272
- Bandit®: S100 air tool with S180 Jr. head, C-001 hand tool with J001 Jr. adapter, S350 air tool with S260 Jr. head, T-240 for 3/8" only or T-250 for 3/8" and 5/8", S-38 for 3/8" and 5/8", J-102 Pok-It™ for 3/8" only.
- Punch-Lok® tools: P-1000 for 3/8" and 5/8", P-3000 for 3/8" only, P-38 for 3/8" and 5/8"
- **sold in package quantities only**

| Band Width | Clamp ID | Band THK | Stainless Steel Part # | Pkg Qty | Band THK | Galvanized Steel Part # | Pkg Qty |
|------------|----------|----------|------------------------|---------|----------|-------------------------|---------|
| 3/8"       | 13/16"   | .025"    | <b>KS3</b>             | 100     | .025"    | <b>K3</b>               | 100     |
|            | 1-3/8"   | .025"    | <b>KS311</b>           | 100     | .025"    | <b>K311</b>             | 100     |
| 5/8"       | 1"       | .030"    | <b>KS4</b>             | 100     | .031"    | <b>K4</b>               | 100     |
|            | 1-1/4"   | .030"    | <b>KS5</b>             | 100     | .031"    | <b>K5</b>               | 100     |
|            | 1-1/2"   | .030"    | <b>KS6</b>             | 100     | .031"    | <b>K6</b>               | 100     |
|            | 1-3/4"   | .030"    | <b>KS7</b>             | 100     | .031"    | <b>K7</b>               | 100     |
|            | 2"       | .030"    | <b>KS8</b>             | 100     | .031"    | <b>K8</b>               | 100     |
|            | 2-1/4"   | .030"    | <b>KS9</b>             | 100     | .031"    | <b>K9</b>               | 100     |
|            | 2-1/2"   | .030"    | <b>KS10</b>            | 50      | .031"    | <b>K10</b>              | 50      |
|            | 2-3/4"   | .030"    | <b>KS11</b>            | 50      | .031"    | <b>K11</b>              | 50      |
|            | 3"       | .030"    | <b>KS12</b>            | 50      | .031"    | <b>K12</b>              | 50      |
|            | 3-1/2"   | .030"    | <b>KS14</b>            | 50      | .031"    | <b>K14</b>              | 50      |
|            | 4"       | .030"    | <b>KS16</b>            | 25      | .031"    | <b>K16</b>              | 25      |
|            | 4-1/2"   | .030"    | <b>KS18</b>            | 25      | .031"    | <b>K18</b>              | 25      |
|            | 5"       | .030"    | <b>KS20</b>            | 25      | .031"    | <b>K20</b>              | 25      |
|            | 6"       | .030"    | <b>KS24</b>            | 25      | .031"    | <b>K24</b>              | 25      |
|            | 7"       | .030"    | <b>KS28</b>            | 25      | .031"    | <b>K28</b>              | 25      |
|            | 8"       | .030"    | <b>KS32</b>            | 25      | .031"    | <b>K32</b>              | 25      |

## Dixon® Smooth ID - Roll Over Type Clamps

**Application:**

- for use with industrial hose made of stiffer, thinner thermoplastics

**Features:**

- provide a uniform, gap-free inside diameter, and strong holding power
- Install with roll over type clamp tools and most common band clamp tools such as the 51960 and 51970 band tools on page 272.
- **sold in package quantities only**

| Band Width | Clamp ID | Band THK | 201 Stainless Steel Part # | Pkg Qty | Galvanized Steel Part #   | Pkg Qty |
|------------|----------|----------|----------------------------|---------|---------------------------|---------|
| 3/8"       | 13/16"   | .025"    | <b>JS201</b>               | 100     | <b>JS301</b>              | 100     |
|            | 1"       | .025"    | <b>JS243</b>               | 100     | <b>JS343</b>              | 100     |
|            | 1-3/8"   | .025"    | <b>JS202</b>               | 100     | <b>JS302</b>              | 100     |
|            | 2"       | .025"    | <b>JS245</b>               | 100     | ---                       | ---     |
| 1/2"       | 1"       | .030"    | <b>JS203</b>               | 100     | <b>JS303</b>              | 100     |
|            | 1-1/4"   | .030"    | <b>JS204</b>               | 100     | <b>JS304</b>              | 100     |
|            | 2-3/4"   | .030"    | <b>JS230</b>               | 100     | <b>JS330</b> <sup>1</sup> | 100     |
| 5/8"       | 1-1/2"   | .030"    | <b>JS205</b>               | 100     | <b>JS305</b>              | 100     |
|            | 1-3/4"   | .030"    | <b>JS206</b>               | 100     | <b>JS306</b>              | 100     |
|            | 2"       | .030"    | <b>JS207</b>               | 100     | <b>JS307</b>              | 100     |
|            | 2-1/4"   | .030"    | <b>JS208</b>               | 100     | <b>JS308</b>              | 100     |
|            | 2-1/2"   | .030"    | <b>JS209</b>               | 100     | <b>JS309</b>              | 100     |
| 3/4"       | 2-3/4"   | .030"    | <b>JS210</b>               | 50      | ---                       | ---     |
|            | 3"       | .030"    | <b>JS211</b>               | 50      | <b>JS311</b>              | 50      |
|            | 3-1/2"   | .030"    | <b>JS212</b>               | 50      | <b>JS312</b>              | 50      |
|            | 4"       | .030"    | <b>JS213</b>               | 25      | <b>JS313</b>              | 25      |
|            | 4-1/2"   | .030"    | <b>JS214</b>               | 25      | <b>JS314</b>              | 25      |
|            | 5"       | .030"    | <b>JS215</b>               | 25      | <b>JS315</b>              | 25      |
|            | 6"       | .030"    | <b>JS216</b>               | 25      | ---                       | ---     |
|            | 7"       | .030"    | <b>JS218</b>               | 25      | ---                       | ---     |

<sup>1</sup> stock quantities only



Clamps

E

## Dixon® Smooth ID Center Punch Clamps

**Application:**

- for use in applications where conditions are highly corrosive

**Features:**

- double wrapped and locked with the conical punch of the F100 tool page 271
- unique dimple design offers excellent sealing strength while maintaining radial compression
- heavy buckle provides optimal holding power
- ideal for thin wall hose
- low profile
- **sold in package quantities only**

| Band Width | Clamp ID | Band THK | 201 Stainless Steel Part # | Pkg Qty |
|------------|----------|----------|----------------------------|---------|
| 5/8"       | 1"       | .025"    | <b>HBC4S</b>               | 100     |
|            | 1 1/4"   | .025"    | <b>HBC5S</b>               | 100     |
|            | 1 1/2"   | .025"    | <b>HBC6S</b>               | 100     |
|            | 1 3/4"   | .025"    | <b>HBC7S</b>               | 100     |
|            | 2"       | .025"    | <b>HBC8S</b>               | 100     |
|            | 2 1/4"   | .025"    | <b>HBC9S</b>               | 100     |
|            | 2 1/2"   | .025"    | <b>HBC10S</b>              | 50      |
|            | 2 3/4"   | .025"    | <b>HBC11S</b>              | 50      |
|            | 3"       | .025"    | <b>HBC12S</b>              | 50      |
|            | 3 1/2"   | .025"    | <b>HBC14S</b>              | 50      |
|            | 4"       | .025"    | <b>HBC16S</b>              | 25      |
|            | 4 1/2"   | .025"    | <b>HBC18S</b>              | 25      |
|            | 5"       | .025"    | <b>HBC20S</b>              | 25      |
|            | 6"       | .025"    | <b>HBC24S</b>              | 25      |
|            | 7"       | .025"    | <b>HBC28S</b>              | 25      |
|            | 8"       | .025"    | <b>HBC32S</b>              | 25      |





## Band &amp; Buckles System

## Clamps

**Features:**

- install with C2 or 51960 band clamp tools
- **sold in box quantities only**

| Band Width | 201 Stainless Steel<br>Part # | Pkg Qty | Galvanized Steel<br>Part # | Pkg Qty |
|------------|-------------------------------|---------|----------------------------|---------|
| 3/8"       | <b>CS375</b>                  | 100     | <b>CG375</b>               | 100     |
| 1/2"       | <b>CS500</b>                  | 100     | <b>CG500</b>               | 100     |
| 5/8"       | <b>CS625</b>                  | 100     | <b>CG625</b>               | 100     |
| 3/4"       | <b>CS750</b>                  | 100     | <b>CG750</b>               | 50      |

## Strapping

**Feature:**

- install with C2 or 51960 band clamp tools



| Band Width | Band Thickness | Length | 201 Stainless Steel<br>Part # | Galvanized Steel<br>Part # |
|------------|----------------|--------|-------------------------------|----------------------------|
| 3/8"       | .025"          | 100'   | <b>SS375</b>                  | <b>SG375</b>               |
| 1/2"       | .031"          | 100'   | <b>SS500</b>                  | <b>SG500</b>               |
| 5/8"       | .031"          | 100'   | <b>SS625</b>                  | <b>SG625</b>               |
| 3/4"       | .031"          | 100'   | <b>SS750</b>                  | <b>SG750</b>               |

## Set Screw Buckles

**Application:**

- Used in applications when a temporary clamp is desired or space limitations do not allow for tool roll-over

**Features:**

- set screw locks band after tensioning
- **sold in box quantities only**



| Band Width | 201 Stainless Steel<br>Part # | Pkg Qty |
|------------|-------------------------------|---------|
| 1/2"       | <b>SSB500</b>                 | 25      |
| 3/4"       | <b>SSB750</b> <sup>1</sup>    | 25      |

<sup>1</sup> 3/4" buckle may be used with 5/8" band

## Stainless Steel Banding with Tote

**Features:**

- resistant to moisture
- built-in handle
- full view of available band
- easy to dispense and recoil



| Band Width | Band Thickness | Length | Package Description | 201 Stainless Steel<br>Part # |
|------------|----------------|--------|---------------------|-------------------------------|
| 1/2"       | .030"          | 100'   | plastic blue tote   | <b>ST204B</b>                 |
| 5/8"       | .030"          | 100'   | plastic green tote  | <b>ST205G</b>                 |
| 3/4"       | .030"          | 100'   | plastic red tote    | <b>ST206R</b>                 |

## Band Clamp Hand Tools

### Locking Hand Tool

**Features:**

- for application of punch type  $\frac{3}{8}$ " and  $\frac{5}{8}$ " band clamps
- for use with F series only

Part #

**F38**



Clamps

### Intermediate Hand Tool

**Feature:**

- for application of  $\frac{3}{8}$ " and  $\frac{5}{8}$ " band clamps

Part #

**F40**



### Hand Tool for $\frac{5}{8}$ " Clamps

**Features:**

- for application of  $\frac{5}{8}$ " band clamps
- imported

Part #

**F1**



### Hand Tool for $\frac{3}{8}$ " & $\frac{5}{8}$ " Clamps

**Features:**

- for application of  $\frac{3}{8}$ " and  $\frac{5}{8}$ " band clamps
- Made in the USA

Part #

**F100**



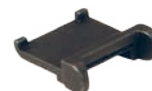
### Adapter for F100 Tool

**Feature:**

- $\frac{3}{8}$ " clamp adapter for F100 tool only

Part #

**F229**



## Band Clamp Punching Mallet



Part #

**F225**

Clamps

## Clamp Cutter



Part #

**F550**

## Band &amp; Buckle Clamping Tools



Description

Part #

Clamping tool for band and buckles

**C2**

Note: once stock is depleted product will be obsolete



Description

Part #

Clamping tool for band and buckles

**51960****Feature:**

- for 51960 tool above



Description

Part #

adapter for 51960 tool to install  
preformed clamps**51970**

## Pinch-On Clamps

## Single Ear

## Features:

- band width: .275"
- band thickness: .030"
- sold in package quantities only

| Nominal Size | Range  |        | Zinc Plated Steel Part # | 304 Stainless Steel Part # | Pkg Qty |
|--------------|--------|--------|--------------------------|----------------------------|---------|
|              | closed | open   |                          |                            |         |
| 3/8"         | .350"  | .413"  | <b>105</b>               | <b>105R</b>                | 100     |
| 7/16"        | .382"  | .445"  | <b>113</b>               | <b>113R</b>                | 100     |
| 15/32"       | .409"  | .484"  | <b>123</b>               | <b>123R</b>                | 100     |
| 1/2"         | .449"  | .524"  | <b>133</b>               | <b>133R</b>                | 100     |
| 35/64"       | .469"  | .551"  | <b>140</b>               | <b>140R</b>                | 100     |
| 9/16"        | .496"  | .571"  | <b>145</b>               | <b>145R</b>                | 100     |
| 5/8"         | .543"  | .618"  | <b>157</b>               | <b>157R</b>                | 100     |
| 11/16"       | .595"  | .669"  | <b>170</b>               | <b>170R</b>                | 100     |
| 23/32"       | .618"  | .728"  | <b>185</b>               | <b>185R</b>                | 100     |
| 3/4"         | .669"  | .780"  | <b>198</b>               | <b>198R</b>                | 100     |
| 13/16"       | .717"  | .827"  | <b>210</b>               | <b>210R</b>                | 100     |
| 7/8"         | .780"  | .890"  | <b>226</b>               | <b>226R</b>                | 100     |
| 15/16"       | .839"  | .949"  | <b>241</b>               | <b>241R</b>                | 100     |
| 1"           | .898"  | 1.008" | <b>256</b>               | <b>256R</b>                | 100     |
| 1-1/16"      | .945"  | 1.067" | <b>271</b>               | <b>271R</b>                | 100     |
| 1-1/8"       | 1.004" | 1.126" | <b>286</b>               | <b>286R</b>                | 100     |
| 1-3/16"      | 1.063" | 1.185" | <b>301</b>               | <b>301R</b>                | 100     |
| 1-5/16"      | 1.181" | 1.303" | <b>331</b>               | <b>331R</b>                | 100     |
| 1-3/8"       | 1.240" | 1.362" | <b>346</b>               | <b>346R</b>                | 100     |
| 1-15/32"     | 1.358" | 1.480" | <b>376</b>               | <b>376R</b>                | 100     |
| 1-9/16"      | 1.437" | 1.559" | <b>396</b>               | <b>396R</b>                | 100     |
| 1-5/8"       | 1.492" | 1.614" | <b>410</b>               | <b>410R</b>                | 100     |
| 1-11/16"     | 1.551" | 1.673" | <b>425</b>               | <b>425R</b>                | 100     |
| 1-23/32"     | 1.610" | 1.732" | <b>440</b>               | <b>440R</b>                | 100     |
| 1-3/4"       | 1.669" | 1.791" | <b>455</b>               | <b>455R</b>                | 100     |
| 1-13/16"     | 1.728" | 1.850" | <b>470</b>               | <b>470R</b>                | 100     |
| 1-7/8"       | 1.787" | 1.909" | <b>485</b>               | <b>485R</b>                | 100     |
| 1-15/16"     | 1.847" | 1.969" | <b>500</b>               | <b>500R</b>                | 100     |
| 2"           | 1.906" | 2.028" | <b>515</b>               | <b>515R</b>                | 100     |

Clamps



## Double Ear

## Features:

- When ordering double ear clamps, select nominal clamp size nearest to, but always larger than, the OD of material to be clamped after insert has been fitted.
- sold in package quantities only


| Nominal Size | Range  |        | Band Width | Zinc Plated Steel Part # | 304 Stainless Steel Part # | Pkg Qty |
|--------------|--------|--------|------------|--------------------------|----------------------------|---------|
|              | closed | open   |            |                          |                            |         |
| 3/16"        | .134"  | .197"  | .197"      | <b>0305</b>              | <b>0305R</b>               | 100     |
| 1/4"         | .197"  | .276"  | .236"      | <b>0507</b>              | <b>0507R</b>               | 100     |
| 5/16"        | .276"  | .354"  | .275"      | <b>0709</b>              | <b>0709R</b>               | 100     |
| 3/8"         | .319"  | .433"  | .275"      | <b>0811</b>              | <b>0811R</b>               | 100     |
| 1/2"         | .425"  | .512"  | .275"      | <b>1113</b>              | <b>1113R</b>               | 100     |
| 9/16"        | .492"  | .591"  | .295"      | <b>1315</b>              | <b>1315R</b>               | 100     |
| 19/32"       | .551"  | .669"  | .315"      | <b>1517</b>              | <b>1517R</b>               | 100     |
| 5/8"         | .591"  | .709"  | .315"      | <b>1518</b>              | <b>1518R</b>               | 100     |
| 3/4"         | .638"  | .787"  | .335"      | <b>1720</b>              | <b>1720R</b>               | 100     |
| 13/16"       | .709"  | .866"  | .354"      | <b>1922</b>              | <b>1922R</b>               | 100     |
| 7/8"         | .748"  | .906"  | .354"      | <b>2023</b>              | <b>2023R</b>               | 100     |
| 15/16"       | .827"  | .984"  | .394"      | <b>2225</b>              | <b>2225R</b>               | 100     |
| 1"           | .886"  | 1.063" | .394"      | <b>2327</b>              | <b>2327R</b>               | 100     |
| 1-1/8"       | 1.035" | 1.221" | .394"      | <b>2731</b>              | <b>2731R</b>               | 100     |
| 1-7/16"      | 1.260" | 1.457" | .394"      | <b>3437</b>              | <b>3437R</b>               | 100     |
| 1-1/2"       | 1.378" | 1.575" | .394"      | <b>3740</b>              | <b>3740R</b>               | 100     |



## Pinch-On Stepless® Ear Clamps

Clamps

**Features:**

- once installed and clamped tampering is easily visible
- *Clamps are not reusable*; they should not be pried open, doing so renders the clamp nonfunctional. 
- ensured clamping seal
- for low durometer or thin-walled hose/tubing
- for silicon, vinyl, polyurethane or other high-tech materials
- smooth inner band prevents damage to the hose while the tongue-in-groove design provides a 360° seal
- no steps or gaps inside the clamp
- install clamps using 1098 or 1099 clamp tools below
- clamps hold against pressure, vibration and material shrinkage due to temperature changes or aging
- built-in spring action permits the clamp to breathe without loosening
- When ordering, select the nominal size nearest to, but always larger than, the outside diameter of the material to be clamped. The outside diameter should be determined with connection fully assembled.
- **sold in package quantities only**

| Nominal<br>Size | Range (inches) |       | 304 Stainless Steel<br>Part # | Qty |
|-----------------|----------------|-------|-------------------------------|-----|
|                 | closed         | open  |                               |     |
| 9/32"           | .228"          | .275" | <b>0983</b>                   | 100 |
| 3/8"            | .307"          | .374" | <b>0986</b>                   | 100 |
| 7/16"           | .378"          | .445" | <b>0989</b>                   | 100 |
| 1/2"            | .425"          | .524" | <b>0993</b>                   | 100 |
| 35/64"          | .453"          | .551" | <b>0997</b>                   | 100 |
| 9/16"           | .472"          | .571" | <b>0999</b>                   | 100 |
| 5/8"            | .520"          | .618" | <b>1005</b>                   | 100 |
| 11/16"          | .571"          | .669" | <b>1009</b>                   | 100 |
| 3/4"            | .654"          | .779" | <b>1021</b>                   | 100 |
| 13/16"          | .701"          | .827" | <b>1029</b>                   | 100 |

**Clamp Service Kit****Includes:**

- 15 of part #0709
- 15 of part #0811
- 15 of part #1113
- 15 of part #1315
- 15 of part #1518
- 12 of part #1720
- 12 of part #2023
- 12 of part #2225
- 12 of part #2327
- 1 pair of standard jaw pincers, part # 1098



Part #

**SK1098****Standard Jaw Clamp Tool**

Part #

**1098****Side Jaw Clamp Tool**

Part #

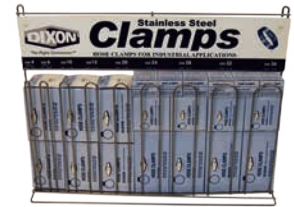
**1099**

## Dixon® Worm Gear Clamp Racks

## Features:

- top load metal rack made of nickel plated steel rods with enameled steel sign
- sign identifies each clamp size and diameter range
- rack with clamps contains 9 clamp sizes with diameter ranges from 7/32" - 2-3/4"
- **CRWC**, Clamps included are:
  - 30 of part# MH4
  - 30 of part# MH6
  - 20 of part# HS10
  - 20 of part# HS12
  - 20 of part# HS20
  - 20 of part# HS24
  - 20 of part# HS28
  - 20 of part# HS32
  - 20 of part# HS36

| Description     | Part #      |
|-----------------|-------------|
| with 200 clamps | <b>CRWC</b> |
| without clamps  | <b>CR</b>   |



CRWC



CR

Clamps

## Quick Release Worm Gear Clamps

## Features:

- suggested installation torque 25-35 inch pounds, maximum recommended torque 50 in. lbs.
- band and housing: 201 series stainless
- screw design: 5/16" slotted hex head
- **Parts showing package quantities are sold in package quantities only.**
- Torque ratings correspond to the torque rating of the screw of the clamp and *are not an indication of the working pressure of any hose assembly installed with this clamp.*



## Style LS:

- screw: plated hardened carbon steel

## Style LSS:

- screw: SAE 410 series stainless

| Band Width | Hose OD  |          | style LS<br>Part # | Pkg<br>Qty | style LSS<br>Part # | Pkg<br>Qty |
|------------|----------|----------|--------------------|------------|---------------------|------------|
| 1/2"       | 1-1/2"   | 3-1/2"   | <b>LS48</b>        | 10         | <b>LSS48</b>        | 10         |
|            | 1"       | 4"       | <b>LS56</b>        | 10         | ---                 | ---        |
|            | 2"       | 5"       | <b>LS72</b>        | 10         | <b>LSS72</b>        | 10         |
|            | 2-1/16"  | 6"       | <b>LS88</b>        | 10         | <b>LSS88</b>        | 10         |
|            | 3-1/2"   | 6-9/16"  | <b>LS96</b>        | ---        | ---                 | ---        |
|            | 2-7/8"   | 7"       | <b>LS104</b>       | 10         | <b>LSS104</b>       | 10         |
|            | 1-3/4"   | 8-9/16"  | <b>LS128</b>       | ---        | <b>LSS128</b>       | ---        |
|            | 2"       | 10"      | <b>LS152</b>       | ---        | ---                 | ---        |
|            | 2-1/16"  | 12-5/16" | <b>LS188</b>       | ---        | <b>LSS188</b>       | ---        |
|            | 10-3/16" | 14"      | ---                | ---        | <b>LSS216</b>       | ---        |
|            | 1-3/4"   | 16"      | ---                | ---        | <b>LSS248</b>       | ---        |
|            | 1-7/8"   | 20"      | ---                | ---        | <b>LSS312</b>       | ---        |



style LS



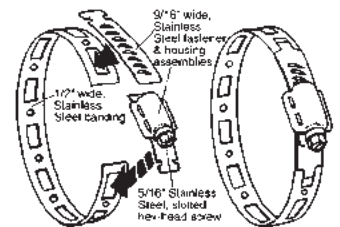
style LSS

E

## Worm Gear Make-A-Clamp Kits

## Features:

- A maintenance clamp system in a box; by simply cutting off a piece of banding from a continuous roll, you can make any size stainless steel worm-driven clamp from 2" diameter and up. Perfect applications requiring for varying sized large clamps.
- reusable
- band width: 1/2"
- band thickness: .023"
- screw design: 5/16" slotted hex head
- band and housing material: 300 stainless
- screw material: 410 stainless



| Contents   | Stainless Steel<br>Part # |
|--|---------------------------|
| mini kit: 8 1/2' band, 3 adjustable fasteners, 1 band splice | <b>4000</b>               |
| kit with 100' band, 25 adjustable fasteners, 10 band splices | <b>4001</b>               |
| kit with 50' band, 10 adjustable fasteners, 5 band splices   | <b>4002</b>               |
| box with 10 adjustable fasteners: priced per box             | <b>4004</b>               |
| box with 100' band, 10 band splices                          | <b>4005</b>               |
| box with 50' band, 5 band splices                            | <b>4006</b>               |
| 6" demonstrator kit with clamps                              | <b>4007</b>               |
| box with 10 band splices: priced per box                     | <b>4008</b>               |





## T-Bolt Clamps

## Features:

## Style TBC

- can be applied with a standard 7/16" socket wrench
- 3/4" wide, .025" thick, 300 series stainless steel band
- alloy steel bolt, torque rating: 70 in/lbs
- not for use with pneumatic tools



## Style STBC

- can be applied with a standard 7/16" socket wrench
- 3/4" wide, .025" thick, 300 series stainless steel band
- 300 series stainless steel bolt, torque rating: 50 in/lbs
- not for use with pneumatic tools



Clamps



style TBC



style STBC

| Hose OD |        | style TBC<br>Part # | Hose OD |         | style STBC<br>Part # | Optional<br>Qty |
|---------|--------|---------------------|---------|---------|----------------------|-----------------|
| from    | to     |                     | from    | to      |                      |                 |
| 1.25"   | 1.406" | <b>TBC131</b>       | 1.25"   | 1.4063" | <b>STBC131</b>       | 25              |
| 1.34"   | 1.56"  | <b>TBC150</b>       | 1.31"   | 1.56"   | <b>STBC150</b>       | 25              |
| 1.56"   | 1.81"  | <b>TBC175</b>       | 1.44"   | 1.69"   | <b>STBC163</b>       | 25              |
| 1.69"   | 1.94"  | <b>TBC188</b>       | 1.56"   | 1.81"   | <b>STBC175</b>       | 25              |
| 1.81"   | 2.06"  | <b>TBC200</b>       | 1.69"   | 1.94"   | <b>STBC188</b>       | 25              |
| 2.06"   | 2.31"  | <b>TBC225</b>       | 1.81"   | 2.06"   | <b>STBC200</b>       | 25              |
| 2.19"   | 2.5"   | <b>TBC238</b>       | 1.93"   | 2.18"   | <b>STBC212</b>       | 25              |
| 2.31"   | 2.62"  | <b>TBC250</b>       | 2.06"   | 2.31"   | <b>STBC225</b>       | 25              |
| 2.31"   | 2.62"  | <b>TBC256</b>       | 2.19"   | 2.5"    | <b>STBC238</b>       | 25              |
| 2.37"   | 2.68"  | <b>TBC263</b>       | 2.31"   | 2.62"   | <b>STBC250</b>       | 25              |
| 2.50"   | 2.81"  | <b>TBC275</b>       | 2.31"   | 2.62"   | <b>STBC256</b>       | 25              |
| 2.63"   | 2.94"  | <b>TBC288</b>       | 2.37"   | 2.68"   | <b>STBC263</b>       | 25              |
| 2.75"   | 3.06"  | <b>TBC300</b>       | 2.50"   | 2.81"   | <b>STBC275</b>       | 25              |
| 2.88"   | 3.19"  | <b>TBC312</b>       | 2.63"   | 2.94"   | <b>STBC288</b>       | 25              |
| 3.00"   | 3.31"  | <b>TBC325</b>       | 2.75"   | 3.06"   | <b>STBC300</b>       | 25              |
| 3.25"   | 3.56"  | <b>TBC350</b>       | 2.88"   | 3.19"   | <b>STBC312</b>       | 25              |
| 3.50"   | 3.81"  | <b>TBC375</b>       | 3.00"   | 3.31"   | <b>STBC325</b>       | 25              |
| 3.56"   | 3.87"  | <b>TBC382</b>       | 3.25"   | 3.56"   | <b>STBC350</b>       | 25              |
| 3.75"   | 4.06"  | <b>TBC400</b>       | 3.38"   | 3.69"   | <b>STBC362</b>       | 25              |
| 4.00"   | 4.30"  | <b>TBC425</b>       | 3.50"   | 3.81"   | <b>STBC375</b>       | 25              |
| 4.25"   | 4.56"  | <b>TBC450</b>       | 3.56"   | 3.87"   | <b>STBC382</b>       | 25              |
| 4.50"   | 4.81"  | <b>TBC475</b>       | 3.75"   | 4.06"   | <b>STBC400</b>       | 25              |
| 4.75"   | 5.06"  | <b>TBC500</b>       | 4.00"   | 4.30"   | <b>STBC425</b>       | 25              |
| 5.00"   | 5.31"  | <b>TBC525</b>       | 4.25"   | 4.56"   | <b>STBC450</b>       | 25              |
| 5.25"   | 5.56"  | <b>TBC550</b>       | 4.50"   | 4.81"   | <b>STBC475</b>       | 25              |
| 5.50"   | 5.81"  | <b>TBC575</b>       | 4.75"   | 5.06"   | <b>STBC500</b>       | 25              |
| 5.75"   | 6.06"  | <b>TBC600</b>       | 5.00"   | 5.31"   | <b>STBC525</b>       | 25              |
| 6.00"   | 6.31"  | <b>TBC625</b>       | 5.25"   | 5.56"   | <b>STBC550</b>       | 25              |
| 6.25"   | 6.56"  | <b>TBC650</b>       | 5.50"   | 5.81"   | <b>STBC575</b>       | 25              |
| 6.50"   | 6.81"  | <b>TBC675</b>       | 5.75"   | 6.06"   | <b>STBC600</b>       | 25              |
| 6.75"   | 7.06"  | <b>TBC700</b>       | 6.00"   | 6.31"   | <b>STBC625</b>       | 25              |
| 7.25"   | 7.56"  | <b>TBC750</b>       | 6.25"   | 6.56"   | <b>STBC650</b>       | 25              |
|         |        |                     | 6.50"   | 6.81"   | <b>STBC675</b>       | 25              |
|         |        |                     | 6.75"   | 7.06"   | <b>STBC700</b>       | 25              |
|         |        |                     | 7.00"   | 7.31"   | <b>STBC725</b>       | 25              |
|         |        |                     | 7.25"   | 7.56"   | <b>STBC750</b>       | 25              |
|         |        |                     | 7.75"   | 8.06"   | <b>STBC800</b>       | 25              |
|         |        |                     | 8.00"   | 8.31"   | <b>STBC825</b>       | 25              |
|         |        |                     | 8.25"   | 8.56"   | <b>STBC850</b>       | 25              |
|         |        |                     | 8.63"   | 8.94"   | <b>STBC888</b>       | 25              |
|         |        |                     | 8.75"   | 9.06"   | <b>STBC900</b>       | 25              |
|         |        |                     | 9.25"   | 9.56"   | <b>STBC950</b>       | 25              |
|         |        |                     | 9.75"   | 10.06"  | <b>STBC1000</b>      | 10              |
|         |        |                     | 10.63"  | 10.94"  | <b>STBC1088</b>      | 10              |
|         |        |                     | 11.75"  | 12.06"  | <b>STBC1200</b>      | 10              |
|         |        |                     | 12.63"  | 12.94"  | <b>STBC1288</b>      | 10              |

## Heavy Duty T-Bolt Clamps

## Features:

- can be applied with a standard ½" socket wrench.
- ⅞" wide, .040" thick, 300 series stainless steel band
- style HTBC carbon steel bolt, torque rating: 150 in/lbs
- style HSTBC 300 series stainless steel bolt, torque rating: 150 in/lbs
- not for use with pneumatic tools



| Hose OD |         | style HTBC<br>Part # | style HSTBC<br>Part # |
|---------|---------|----------------------|-----------------------|
| from    | to      |                      |                       |
| 2.125"  | 2.4375" | <b>HTBC238</b>       | <b>HSTBC238</b>       |
| 2.250"  | 2.5625" | <b>HTBC250</b>       | <b>HSTBC250</b>       |
| 2.750"  | 3.0625" | <b>HTBC300</b>       | <b>HSTBC300</b>       |
| 3.250"  | 3.5625" | <b>HTBC350</b>       | <b>HSTBC350</b>       |
| 3.750"  | 4.0625" | <b>HTBC400</b>       | <b>HSTBC400</b>       |
| 4.250"  | 4.5625" | <b>HTBC450</b>       | <b>HSTBC450</b>       |
| 4.750"  | 5.0625" | <b>HTBC500</b>       | <b>HSTBC500</b>       |
| 5.250"  | 5.5625" | <b>HTBC550</b>       | <b>HSTBC550</b>       |
| 5.750"  | 6.0625" | <b>HTBC600</b>       | <b>HSTBC600</b>       |
| 6.250"  | 6.5625" | <b>HTBC650</b>       | <b>HSTBC650</b>       |
| 6.750"  | 7.0625" | <b>HTBC700</b>       | <b>HSTBC700</b>       |
| 7.250"  | 7.5625" | <b>HTBC750</b>       | <b>HSTBC750</b>       |
| 7.750"  | 8.0625" | <b>HTBC800</b>       | <b>HSTBC800</b>       |
| 8.266"  | 8.562"  | ---                  | <b>HSTBC850</b>       |
| 8.646"  | 8.942"  | ---                  | <b>HSTBC888</b>       |
| 8.766"  | 9.062"  | ---                  | <b>HSTBC900</b>       |
| 9.266"  | 9.562"  | ---                  | <b>HSTBC950</b>       |
| 9.766"  | 10.062" | ---                  | <b>HSTBC1000</b>      |
| 10.646" | 10.942" | ---                  | <b>HSTBC1088</b>      |
| 12.646" | 12.942" | ---                  | <b>HSTBC1288</b>      |



style HTBC



style HSTBC

Clamps

## Long Bolt T-Bolt Clamps

## Features:

- can be applied with a standard 7/16" socket wrench.
- ¾" wide, .025" thick, 300 series stainless steel band
- 300 series stainless steel bolt, torque rating: 50 in/lbs
- not for use with pneumatic tools



Clamps



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| Hose OD |        | 300 series Stainless Steel    | Optional |
|---------|--------|-------------------------------|----------|
| from    | to     | Part #                        | Qty      |
| 2.80"   | 3.37"  | <b>STBC325L</b>               | 25       |
| 3.05"   | 3.62"  | <b>STBC350L</b>               | 25       |
| 3.37"   | 3.94"  | <b>STBC382L</b>               | 25       |
| 3.55"   | 4.12"  | <b>STBC400L</b>               | 25       |
| 3.75"   | 4.32"  | <b>STBC420L</b> <sup>1</sup>  | 25       |
| 3.87"   | 4.44"  | <b>STBC432L</b>               | 25       |
| 4.05"   | 4.62"  | <b>STBC450L</b>               | 25       |
| 4.37"   | 4.94"  | <b>STBC482L</b>               | 25       |
| 4.55"   | 5.12"  | <b>STBC500L</b>               | 25       |
| 4.87"   | 5.44"  | <b>STBC532L</b>               | 25       |
| 5.05"   | 5.62"  | <b>STBC550L</b>               | 25       |
| 5.37"   | 5.94"  | <b>STBC582L</b>               | 25       |
| 5.55"   | 6.12"  | <b>STBC600L</b> <sup>1</sup>  | 25       |
| 5.87"   | 6.44"  | <b>STBC632L</b>               | 25       |
| 6.05"   | 6.62"  | <b>STBC650L</b>               | 25       |
| 6.30"   | 6.87"  | <b>STBC675L</b>               | 25       |
| 6.53"   | 7.10"  | <b>STBC698L</b>               | 25       |
| 6.55"   | 7.12"  | <b>STBC700L</b> <sup>1</sup>  | 25       |
| 6.62"   | 7.19"  | <b>STBC707L</b>               | 25       |
| 8.05"   | 8.62"  | <b>STBC850L</b>               | 25       |
| 8.30"   | 8.87"  | <b>STBC875L</b>               | 25       |
| 8.43"   | 9.00"  | <b>STBC888L</b>               | 25       |
| 8.62"   | 9.19"  | <b>STBC907L</b>               | 25       |
| 10.25"  | 10.82" | <b>STBC1070L</b>              | 25       |
| 10.43"  | 11.00" | <b>STBC1088L</b>              | 25       |
| 10.62"  | 11.19" | <b>STBC1107L</b> <sup>1</sup> | 25       |
| 10.72"  | 11.29" | <b>STBC1117L</b>              | 25       |
| 12.20"  | 12.77" | <b>STBC1265L</b>              | 25       |
| 12.43"  | 13.00" | <b>STBC1288L</b>              | 25       |
| 12.75"  | 13.32" | <b>STBC1320L</b>              | 25       |
| 14.20"  | 14.77" | <b>STBC1465L</b>              | 25       |
| 14.43"  | 15.00" | <b>STBC1488L</b>              | 25       |
| 14.75"  | 15.32" | <b>STBC1520L</b>              | 25       |
| 16.20"  | 16.77" | <b>STBC1665L</b>              | 25       |
| 16.43"  | 17.00" | <b>STBC1688L</b>              | 25       |

<sup>1</sup> stock quantities only

## Double Bolt Clamps

## Features:

- inner surface has dual gripping ridges
- bolt lugs are reinforced to prevent bending out of alignment
- Torque values for clamps are based on dry bolts.
- The use of lubricant on bolts will adversely effect clamp performance.
- measure hose OD accurately before ordering clamps
- Consult Dixon® when using double bolt clamps on helical wire hose.



| Hose OD  |          | Plated Iron              | Torque      | Optional |
|----------|----------|--------------------------|-------------|----------|
| from     | to       | Part #                   | in ft. lbs. | Qty      |
| 1-8/64"  | 1-12/64" | <b>J48</b>               | 15          | 100      |
| 1-12/64" | 1-24/64" | <b>J49</b>               | 21          | 50       |
| 1-28/64" | 1-34/64" | <b>JX49</b>              | 21          | 25       |
| 1-40/64" | 1-52/64" | <b>DL14</b>              | 40          | 25       |
| 1-48/64" | 2-3/64"  | <b>DL20</b>              | 27          | 25       |
| 2-7/64"  | 2-19/64" | <b>DL24</b> <sup>1</sup> | 27          | 25       |
| 2-20/64" | 2-40/64" | <b>DL32</b> <sup>1</sup> | 40          | 25       |
| 2-32/64" | 2-48/64" | <b>DL275</b>             | 40          | 25       |
| 2-48/64" | 3-4/64"  | <b>DL306</b>             | 60          | 20       |
| 3-4/64"  | 3-24/64" | <b>DL328</b>             | 60          | 20       |
| 3-16/64" | 3-32/64" | <b>DL350</b>             | 60          | 20       |

<sup>1</sup> investment cast carbon steel



Clamps

## Double Bolt Clamps with Saddles

| Hose OD   |           | Plated Iron | Torque      | Optional |
|-----------|-----------|-------------|-------------|----------|
| from      | to        | Part #      | in ft. lbs. | Qty      |
| 3-32/64"  | 3-52/64"  | <b>400</b>  | 40          | 25       |
| 3-50/64"  | 4-4/64"   | <b>431</b>  | 40          | 20       |
| 4-2/64"   | 4-18/64"  | <b>463</b>  | 40          | 20       |
| 4-16/64"  | 4-60/64"  | <b>525</b>  | 60          | 10       |
| 4-32/64"  | 5-16/64"  | <b>550</b>  | 60          | 10       |
| 5-8/64"   | 5-44/64"  | <b>600</b>  | 60          | 10       |
| 5-44/64"  | 5-60/64"  | <b>639</b>  | 60          | 10       |
| 5-60/64"  | 6-32/64"  | <b>675</b>  | 60          | 10       |
| 6-32/64"  | 7-36/64"  | <b>769</b>  | 60          | 10       |
| 7-44/64"  | 8-12/64"  | <b>818</b>  | 125         | 5        |
| 8-16/64"  | 8-56/64"  | <b>875</b>  | 125         | 5        |
| 8-60/64"  | 9-56/64"  | <b>988</b>  | 125         | 5        |
| 9-60/64"  | 11-24/64" | <b>1125</b> | 125         | 5        |
| 11-12/64" | 13"       | <b>1275</b> | 125         | 3        |
| 12-12/64" | 14"       | <b>1360</b> | 200         | 2        |
| 13-12/64" | 15"       | <b>1450</b> | 200         | 2        |
| 15-4/64"  | 17-32/64" | <b>1700</b> | 260         | 2        |



## Single Bolt Clamps

## Features:

- measure hose OD accurately before ordering clamps
- Torque values for clamps are based on dry bolts.
- The use of lubricant on bolts will adversely effect clamp performance.



Clamps



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| Hose OD  |          | Plated Iron | Torque      |
|----------|----------|-------------|-------------|
| from     | to       | Part #      | in ft. lbs. |
| 5/64"    | 1"       | <b>2</b>    | 6           |
| 62/64"   | 1-8/64"  | <b>3</b>    | 6           |
| 1-4/64"  | 1-12/64" | <b>4</b>    | 6           |
| 1-10/64" | 1-16/64" | <b>5</b>    | 6           |
| 1-16/64" | 1-24/64" | <b>6</b>    | 6           |
| 1-22/64" | 1-28/64" | <b>7</b>    | 6           |
| 1-28/64" | 1-36/64" | <b>8</b>    | 6           |
| 1-42/64" | 1-48/64" | <b>10</b>   | 6           |
| 1-48/64" | 1-56/64" | <b>11</b>   | 6           |
| 1-56/64" | 2-2/64"  | <b>12</b>   | 6           |
| 2"       | 2-8/64"  | <b>13</b>   | 12          |
| 2-8/64"  | 2-18/64" | <b>14</b>   | 12          |
| 2-16/64" | 2-26/64" | <b>15</b>   | 12          |
| 2-24/64" | 2-32/64" | <b>16</b>   | 12          |
| 2-32/64" | 2-40/64" | <b>17</b>   | 12          |
| 2-40/64" | 2-56/64" | <b>18</b>   | 12          |
| 2-56/64" | 3-4/64"  | <b>19</b>   | 12          |
| 3-4/64"  | 3-16/64" | <b>20</b>   | 12          |
| 3-16/64" | 3-28/64" | <b>21</b>   | 12          |
| 3-28/64" | 3-40/64" | <b>22</b>   | 21          |
| 3-40/64" | 3-52/64" | <b>23</b>   | 21          |
| 3-52/64" | 4-8/64"  | <b>24</b>   | 21          |
| 4-8/64"  | 4-20/64" | <b>25</b>   | 21          |
| 4-16/64" | 4-32/64" | <b>26</b>   | 21          |
| 4-28/64" | 4-40/64" | <b>27</b>   | 21          |
| 4-40/64" | 4-56/64" | <b>X27</b>  | 21          |
| 4-56/64" | 5-16/64" | <b>28</b>   | 21          |

## Spiral Clamps

## Features:

- more than one clamp may be needed per size, contact the hose manufacturer for more information
- due to fluctuations in the OD of hose each individual installation should be checked
- for use on convoluted cover hose
- To determine which style clamp is needed for your hose look at the end of the hose; if the helix spirals in a clockwise direction away from you (along the hose), a clockwise clamp is needed. If the helix spirals in a counterclockwise direction away from you, a counterclockwise clamp is needed. Examples include, but are not limited to: Kuriyama convoluted hose uses counter clockwise clamps; Pacific Echo and Kana Flex use clockwise clamps; Goodyear uses both counter clockwise and clockwise.



Clamps

## Clockwise

| Size | Hose OD   |           | Plated Steel, Right Hand<br>Part # |
|------|-----------|-----------|------------------------------------|
|      | from      | to        |                                    |
| 1½"  | 1-34/64"  | 1-52/64"  | SC150                              |
| 2"   | 2-18/64"  | 2-32/64"  | SC200                              |
| 2½"  | 2-46/64"  | 3-8/64"   | SC250                              |
| 3"   | 3"        | 3-32/64"  | SC300                              |
| 4"   | 4"        | 4-32/64"  | SC400                              |
| 5"   | 5-6/64"   | 5-32/64"  | SC500                              |
| 6"   | 6-16/64"  | 7"        | SC600                              |
| 8"   | 8-32/64"  | 9-16/64"  | SC800                              |
| 10"  | 10-40/64" | 11-16/64" | SC1000                             |
| 12"  | 11-52/64" | 12-61/64" | SC1200                             |



## Counter Clockwise

| Size | Hose OD   |           | Plated Steel, Left Hand<br>Part # |
|------|-----------|-----------|-----------------------------------|
|      | from      | to        |                                   |
| 1½"  | 1-34/64"  | 1-52/64"  | SCCW150                           |
| 2"   | 2-18/64"  | 2-32/64"  | SCCW200                           |
| 2½"  | 2-46/64"  | 3-8/64"   | SCCW250                           |
| 3"   | 3"        | 3-32/64"  | SCCW300                           |
| 4"   | 4"        | 4-32/64"  | SCCW400                           |
| 5"   | 5-6/64"   | 5-32/64"  | SCCW500                           |
| 6"   | 6-16/64"  | 7"        | SCCW600                           |
| 8"   | 8-32/64"  | 9-16/64"  | SCCW800                           |
| 10"  | 10-40/64" | 11-16/64" | SCCW1000                          |
| 12"  | 11-52/64" | 12-61/64" | SCCW1200                          |



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**⚠ WARNING**

The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection. The whip hose should remain permanently connected to the tool.

**⚠ WARNING**

- The use of an Air King™ safety clip or wire type retainer is necessary to ensure Air King™ universal couplings will not become accidentally disconnected. This guarantees the fittings are properly connected because the safety pin will not go through the holes in mating flanges until couplings are locked in place. Only one Air King™ safety clip or wire type retainer is required for each Air King™ universal coupling.

**Features:**

- can be used with Air King™ ferrules
- supplied with safety clip
- pressure rating: **150 PSI** at ambient temperature **70°F (21°C)**
- supplied with rubber washers, part # **AWR4**
- meets pressure requirements as specified in A-A-59553 commercial item description superseding Mil Spec.WWC-633D

**2-Lug Hose Ends**

| Size | Iron<br>Part #          | Optional<br>Qty | Brass<br>Part #          | Optional<br>Qty | 316 Stainless Steel<br>Part # |
|------|-------------------------|-----------------|--------------------------|-----------------|-------------------------------|
| 3/8" | <b>AMH</b> <sup>1</sup> | 25              | <b>ABH</b>               | 25              | <b>RAMH</b>                   |
| 1/2" | <b>AM1</b>              | 50              | <b>AB1</b> <sup>1</sup>  | 50              | <b>RAM1</b>                   |
| 5/8" | <b>AM5</b>              | 50              | <b>AB5</b>               | 50              | ---                           |
| 3/4" | <b>AM6</b>              | 50              | <b>AB6</b> <sup>1</sup>  | 50              | <b>RAM6</b>                   |
| 1"   | <b>AM11</b>             | 50              | <b>AB11</b> <sup>1</sup> | 50              | <b>RAM11</b>                  |

**2-Lug Male NPT Ends**

| Size | Iron<br>Part # | Optional<br>Qty | Brass<br>Part #          | Optional<br>Qty | 316 Stainless Steel<br>Part # |
|------|----------------|-----------------|--------------------------|-----------------|-------------------------------|
| 1/4" | <b>AMB1</b>    | 25              | <b>ABB1</b>              | 25              | ---                           |
| 3/8" | <b>AMB</b>     | 25              | <b>ABB</b>               | 25              | <b>RAMB</b>                   |
| 1/2" | <b>AM2</b>     | 50              | <b>AB2</b> <sup>1</sup>  | 50              | <b>RAM2</b>                   |
| 3/4" | <b>AM7</b>     | 50              | <b>AB7</b> <sup>1</sup>  | 50              | <b>RAM7</b>                   |
| 1"   | <b>AM12</b>    | 50              | <b>AB12</b> <sup>1</sup> | 50              | <b>RAM12</b>                  |

**2-Lug Female NPT Ends**

| Size | Iron<br>Part # | Optional<br>Qty | Brass<br>Part #          | Optional<br>Qty | 316 Stainless Steel<br>Part # |
|------|----------------|-----------------|--------------------------|-----------------|-------------------------------|
| 1/4" | <b>AMC1</b>    | 25              | <b>ABC1</b>              | 25              | ---                           |
| 3/8" | <b>AMC</b>     | 25              | <b>ABC</b>               | 25              | <b>RAMC</b>                   |
| 1/2" | <b>AM3</b>     | 50              | <b>AB3</b> <sup>1</sup>  | 50              | <b>RAM3</b>                   |
| 3/4" | <b>AM8</b>     | 50              | <b>AB8</b> <sup>1</sup>  | 50              | <b>RAM8</b>                   |
| 1"   | <b>AM13</b>    | 50              | <b>AB13</b> <sup>1</sup> | 50              | <b>RAM13</b>                  |

<sup>1</sup> global investment cast

Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



## 2-Lug Blank Ends



| <i>Iron</i><br>Part # | <i>Optional</i><br>Qty | <i>Brass</i><br>Part #  | <i>Optional</i><br>Qty | <i>316 Stainless Steel</i><br>Part # |
|-----------------------|------------------------|-------------------------|------------------------|--------------------------------------|
| <b>AM0</b>            | 25                     | <b>AB0</b> <sup>1</sup> | 25                     | <b>RAM0</b>                          |

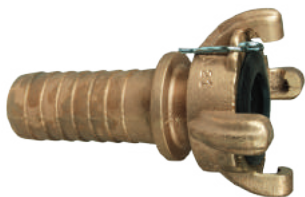
## 2-Lug Triple Connections



| <i>Iron</i><br>Part # | <i>Optional</i><br>Qty | <i>Brass</i><br>Part #   | <i>Optional</i><br>Qty |
|-----------------------|------------------------|--------------------------|------------------------|
| <b>AM10</b>           | 25                     | <b>AB10</b> <sup>1</sup> | 25                     |

<sup>1</sup> global investment cast

## 4-Lug Hose Ends



| Size | <i>Iron</i><br>Part # | <i>Brass</i><br>Part #   | <i>Optional</i><br>Qty |
|------|-----------------------|--------------------------|------------------------|
| 1¼"  | <b>AM16</b>           | <b>AB16</b> <sup>1</sup> | 25                     |
| 1½"  | <b>AM21</b>           | <b>AB21</b> <sup>1</sup> | 25                     |
| 2"   | <b>AM26</b>           | <b>AB26</b>              | 10                     |

<sup>1</sup> item will be discontinued when stock is depleted

## 4-Lug Female NPT Ends




| Size | <i>Iron</i><br>Part # | <i>Brass</i><br>Part #   | <i>Optional</i><br>Qty |
|------|-----------------------|--------------------------|------------------------|
| 1¼"  | <b>AM18</b>           | <b>AB18</b> <sup>1</sup> | 25                     |
| 1½"  | <b>AM23</b>           | <b>AB23</b> <sup>1</sup> | 25                     |
| 2"   | <b>AM28</b>           | <b>AB28</b>              | 10                     |

<sup>1</sup> item will be discontinued when stock is depleted

Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



**Features:**

- supplied with safety clip and rubber washers
- pressure rating: **150 PSI** at ambient temperature **70°F (21°C)**
- use with Boss™ clamps, see pages 75 to 76
- not to be used for steam service 
- must use safety clips, safety clips are same size for both 2-lug and 4-lug Air King™ couplings, see page 289

**2-Lug Hose Ends**

| Size | Plated Steel<br>Part # | Pkg<br>Qty |
|------|------------------------|------------|
| 1/2" | <b>GAM1</b>            | 25         |
| 3/4" | <b>GAM6</b>            | 50         |
| 1"   | <b>GAM11</b>           | 50         |

**2-Lug Male NPT Ends**

| Size | Plated Steel<br>Part # | Pkg<br>Qty |
|------|------------------------|------------|
| 1/2" | <b>GAM2</b>            | 25         |
| 3/4" | <b>GAM7</b>            | 50         |
| 1"   | <b>GAM12</b>           | 50         |

**2-Lug Female NPT Ends**

| Size | Plated Steel<br>Part # | Optional<br>Qty |
|------|------------------------|-----------------|
| 1/2" | <b>GAM3</b>            | 25              |
| 3/4" | <b>GAM8</b>            | 50              |
| 1"   | <b>GAM13</b>           | 50              |


**2-Lug Blank End**

| Plated Steel<br>Part # | Optional<br>Qty |
|------------------------|-----------------|
| <b>GAM0</b>            | 25              |

**2-Lug Triple Connection**

| Plated Steel<br>Part # | Optional<br>Qty |
|------------------------|-----------------|
| <b>GAM10</b>           | 25              |



Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose. 

## Global Air King™

## 4-Lug Hose Ends



| Size | Plated Steel<br>Part # | Optional<br>Qty |
|------|------------------------|-----------------|
| 1¼"  | <b>GAM16</b>           | 25              |
| 1½"  | <b>GAM21</b>           | 25              |
| 2"   | <b>GAM26</b>           | 10              |

## 4-Lug Female NPT Ends



| Size | Plated Steel<br>Part # | Optional<br>Qty |
|------|------------------------|-----------------|
| 1¼"  | <b>GAM18</b>           | 25              |
| 1½"  | <b>GAM23</b>           | 25              |
| 2"   | <b>GAM28</b>           | 20              |

Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



## Air King™ with Ferrule

## Features:

- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- design provides quick, easy and effective coupling of air hose
- interlocking ferrule can be crimped or swaged to achieve maximum coupling sealing and retention with a low profile streamline appearance, for crimp or swage diameter recommendations go to [dixonvalve.com](http://dixonvalve.com)
- for air and water service only

| Size | Hose OD  |          | Iron Part #              | 316 Stainless Steel Part # |
|------|----------|----------|--------------------------|----------------------------|
|      | From     | To       |                          |                            |
| 1/2" | 54/64"   | 1-2/64"  | <b>AM1WF</b>             | <b>RAM1WF</b>              |
| 3/4" | 1-4/64"  | 1-22/64" | <b>AM6WF</b>             | <b>RAM6WF</b>              |
| 1"   | 1-18/64" | 1-34/64" | <b>AM11WF-1</b>          | ---                        |
| 1"   | 1-30/64" | 1-46/64" | <b>AM11WF</b>            | ---                        |
| 2"   | 2-28/64" | 2-40/64" | <b>AM26WF</b> <b>NEW</b> | ---                        |



## Air King™ with Gauge Port

## Features:

- drilled with 1/4" NPT port for mounting a gauge
- gauge sold separately

| Size | Iron Part # | 316 Stainless Steel Part # |
|------|-------------|----------------------------|
| 3/4" | <b>AM7T</b> | <b>RAM7T</b>               |



## Air King™ Couplings

## Swivel Hose End

## Features:

- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- interchanges with other Air King™ fittings
- includes a heavy-duty, free-turning joint that swivels under pressure to prevent hose kinking
- for air and water service only

| Size | Iron Part #    |
|------|----------------|
| 3/4" | <b>AM6SWIV</b> |



## Swivel Male NPT Ends

| Size | Iron Part #    |
|------|----------------|
| 1/2" | <b>AM2SWIV</b> |
| 3/4" | <b>AM7SWIV</b> |



## Swivel Female NPT End

| Size | Iron Part #    |
|------|----------------|
| 3/4" | <b>AM8SWIV</b> |



Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.







## Global Air King™ Ferrules

**Features:**

- low profile streamline appearance with maximum retention
- lightweight
- can be crimped
- designed for use with global Air King™ fittings on pages 283 to 284
- reference dixonvalve.com for crimp recommendations and ferrule OD ranges

| Size | Ferrule ID | Plated Steel Part # |
|------|------------|---------------------|
| 1/2" | 0.906"     | <b>CCF0906</b>      |
| 3/4" | 1.120"     | <b>CCF1120</b>      |
|      | 1.149"     | <b>CCF1149</b>      |
|      | 1.190"     | <b>CCF1190</b>      |
|      | 1.218"     | <b>CCF1218</b>      |
|      | 1.246"     | <b>CCF1246</b>      |
| 1"   | 1.438"     | <b>CCF1438</b>      |
|      | 1.469"     | <b>CCF1469</b>      |
|      | 1.500"     | <b>CCF1500</b>      |
|      | 1.531"     | <b>CCF1531</b>      |

## Air King™ Clamps

**Features:**

- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance.
- for use with Air King™ ends on page 283 to 284



| Hose ID | Hose OD  |          | Plated Iron Part #         | Torque ft. lbs. | Optional Qty |
|---------|----------|----------|----------------------------|-----------------|--------------|
|         | from     | to       |                            |                 |              |
| 1/2"    | 1"       | 1-12/64" | <b>A4</b>                  | 6               | 50           |
| 3/4"    | 1-8/64"  | 1-20/64" | <b>A9</b> <sup>2</sup>     | 21              | 50           |
| 1"      | 1-20/64" | 1-32/64" | <b>A10</b> <sup>1, 2</sup> | 21              | 50           |
| 1"      | 1-32/64" | 1-52/64" | <b>A14</b>                 | 21              | 50           |

<sup>1</sup> can be used with **AM6** and **AM11**

<sup>2</sup> global investment cast carbon steel

**Features:**

- The use of an Air King™ safety clip or wire type retainer is necessary to ensure couplings will not become accidentally disconnected. This guarantees the fittings are properly connected as the pin will not go through the holes in the mating flanges until couplings are locked in place.
- only one Air King™ safety clip or wire type retainer is required for each Air King™ universal coupling
- sold in package quantities only

## Standard Safety Clip

**Feature:**

- same size clip can be used for all coupling sizes

| Wire Diameter | Part #     | Pkg Qty |
|---------------|------------|---------|
| .080          | <b>AC1</b> | 25      |



## Safety Pins

**Feature:**

- heavy duty, oversized

| Wire Diameter | Part #        |
|---------------|---------------|
| .058          | <b>AKSP1</b>  |
| .091          | <b>AKSP25</b> |



## Synthetic Lanyard

**Features:**

- synthetic cord
- same size for all coupling sizes

| Part #      | Pkg Qty |
|-------------|---------|
| <b>ACL8</b> | 25      |



## 2-Lug Washers

**Features:**

- 2 lug couplings use the same size washer, part #'s **AWR4**, **AWS6**
- rubber temperature range: **-20°F to 160°F (-29°C to 71°C)**
- neoprene temperature range: **-20°F to 190°F (-29°C to 88°C)**
- neoprene is oil resistant

| Material        | Style | Part #                  | Pkg Qty |
|-----------------|-------|-------------------------|---------|
| <i>rubber</i>   | 2 lug | <b>AWR4<sup>1</sup></b> | 50      |
| <i>neoprene</i> | 2 lug | <b>AWS6</b>             | 50      |

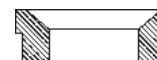
<sup>1</sup> made from Styrene-butadiene (SBR)



AWR4



AWS6



## 4-Lug Washer

**Features:**

- rubber temperature range: **-20°F to 160°F (-29°C to 71°C)**
- 4 lug couplings use the same size washer, part # **AWR14**

| Material      | Style | Part #       |
|---------------|-------|--------------|
| <i>rubber</i> | 4 lug | <b>AWR14</b> |



## Sand Blast Couplings

**Features:**

- designed for use on sand blast hose
- supplied with screws
- nozzle holders have 1¼" NPSM thread
- pressure: 110 PSI at ambient temperature **70°F (21°C)**
- abrasive blasting equipment must have hose safety cables (page 362) or hose coupling safety locks installed to read safety clips

**Installation:**

- 1) Ends of hose must be cut square to fit snug against metal end.
- 2) Holding hose tight to end of fitting, insert screws and turn in full, putting screw 180° from first to ensure best centering.
- 3) After all screws have been placed, check tube opposite screws to be sure screws have not penetrated completely through.
- 4) On quick couplings, insert safety clips

**Hose Ends**

| Hose Size | Hose OD | Brass Part #  | Aluminum Part # |
|-----------|---------|---------------|-----------------|
| ¾"        | 1-1/2"  | <b>BSB75</b>  | <b>ASB75</b>    |
| 1"        | 1-7/8"  | <b>BSB100</b> | <b>ASB100</b>   |
| 1¼"       | 2-5/32" | <b>BSB125</b> | <b>ASB125</b>   |
| 1½"       | 2-3/8"  | <b>BSB150</b> | <b>ASB150</b>   |

**Nozzle Holders**

| Hose Size | Hose OD | Brass Part #  | Aluminum Part # |
|-----------|---------|---------------|-----------------|
| ¾"        | 1-1/2"  | <b>BNH75</b>  | <b>ANH75</b>    |
| 1"        | 1-7/8"  | <b>BNH100</b> | <b>ANH100</b>   |
| 1¼"       | 2-5/32" | <b>BNH125</b> | <b>ANH125</b>   |
| 1½"       | 2-3/8"  | <b>BNH150</b> | <b>ANH150</b>   |

**Female Threaded Ends**

| Hose Size | Brass Part #  | Aluminum Part # |
|-----------|---------------|-----------------|
| 1¼"       | <b>BSC125</b> | <b>ASC125</b>   |
| 1½"       | <b>BSC150</b> | <b>ASC150</b>   |

- does not include screws

**Replacement Parts**

black nitrile



urethane

| Description  | Part #      |
|--|-------------|
| black nitrile replacement gasket   | <b>SBG</b>  |
| urethane replacement gasket  | <b>USBG</b> |
| replacement screws for sand blast couplings (sold in package quantity of 8 only) | <b>SBCS</b> |

## Surelock™ Couplings

**Applications:**

- multi-purpose coupling for water and air, commonly used in construction and mining; excels in services where ease, economy, safety and speed are paramount

**Features:**

- pressure activated gasket allows for easy coupling (less than 15 lbs. of force is required to connect the coupling gaskets seal upon introduction of line pressure)
- working pressure: **200 PSI** at ambient temperature **70°F (21°C)**
- body: SG iron AS1831 400-250-12
- bellow seal: natural rubber (patent pending), other seal material available upon request
- safety pin is supplied with each coupling and is required as a safety precaution

**Hose Ends**

| Head   | Size   | Part#         | Optional Qty |
|--------|--------|---------------|--------------|
| small  | 3/8"   | <b>SL038H</b> | 50           |
|        | 1/2"   | <b>SL050H</b> | 50           |
|        | 3/4"   | <b>SL075H</b> | 50           |
|        | 1"     | <b>SL100H</b> | 50           |
| medium | 1 1/2" | <b>SL150H</b> | 15           |
|        | 2"     | <b>SL200H</b> | 10           |

**Male NPT Ends**

| Head   | Size   | Part#         | Optional Qty |
|--------|--------|---------------|--------------|
| small  | 3/8"   | <b>SL038M</b> | 50           |
|        | 1/2"   | <b>SL050M</b> | 50           |
|        | 3/4"   | <b>SL075M</b> | 50           |
|        | 1"     | <b>SL100M</b> | 50           |
| medium | 1 1/2" | <b>SL150M</b> | 15           |
|        | 2"     | <b>SL200M</b> | 15           |

**Female NPT Ends**

| Head   | Size   | Part#         | Optional Qty |
|--------|--------|---------------|--------------|
| small  | 3/8"   | <b>SL038F</b> | 50           |
|        | 1/2"   | <b>SL050F</b> | 50           |
|        | 3/4"   | <b>SL075F</b> | 50           |
|        | 1"     | <b>SL100F</b> | 50           |
| medium | 1 1/2" | <b>SL150F</b> | 15           |
|        | 2"     | <b>SL200F</b> | 15           |

**Hose End with Ferrules****Features:**

- design provides quick, easy and effective coupling of air hose
- interlocking ferrule can be crimped or swaged to achieve maximum coupling sealing and retention with a low profile streamline appearance, visit [dixonvalve.com](http://dixonvalve.com) for crimp recommendations
- Dixon® recommends that all hose assemblies be tested in accordance with ARPM testing procedures.
- working pressure: **200 PSI** at ambient temperature **70°F (21°C)**
- for air and water service only



| Head  | Size | Hose OD |          | Part #         |
|-------|------|---------|----------|----------------|
|       |      | From    | To       |                |
| small | 1/2" | 1/2"    | 1-1/32"  | <b>SL050CR</b> |
|       | 3/4" | 3/4"    | 1-11/32" | <b>SL075CR</b> |
|       | 1"   | 1"      | 1-23/32" | <b>SL100CR</b> |



## Surelock™ Couplings

## Blank Ends



small blank end

medium blank end <sup>1</sup>

| Head   | Size      | Part #      | Optional Qty |
|--------|-----------|-------------|--------------|
| small  | ½" to 1"  | <b>SL00</b> | 15           |
| medium | 1½" to 2" | <b>SL01</b> | 3            |

<sup>1</sup> medium blank end comes with 1" NPT pipe plug

## Three Way Connectors



small three way connector

medium three way connector <sup>1</sup>

| Head   | Size      | Part #      | Optional Qty |
|--------|-----------|-------------|--------------|
| small  | ½" to 1"  | <b>SL09</b> | 15           |
| medium | 1½" to 2" | <b>SL10</b> | 3            |

<sup>1</sup> medium three way connector comes with 1" NPT pipe plug

## Safety Locking Pin

The use of a safety locking pin is necessary to ensure that Surelock™ couplings will not become accidentally disconnected. This guarantees that the fittings are properly connected as the pin will not go through the holes in both couplings until the couplings are locked into place.



| Part #      | Optional Qty |
|-------------|--------------|
| <b>SLP1</b> | 25           |

## Replacement Seals



medium

| Head   | Size      | Part #      |
|--------|-----------|-------------|
| small  | ½" to 1"  | <b>SLR1</b> |
| medium | 1½" to 2" | <b>SLR2</b> |

## Dix-Lock™ N-Series Interchange Pneumatic Couplings

## Features:

- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- pressure rating: 300 PSI in brass, 500 PSI in steel and 303 stainless steel at ambient temperature **70°C (21°C)**
- Bowes Interchange Bayonet Style
- Interchangeable with Bowes 51000-Series, National Series 'B', MacDonald Quick-Action, Campbell Single-Lock
- conforms to MIL-C-3486 and A-A-50431A standards

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety cables and check valves see pages 362 and 556.



## Female Head x Female Threaded End Couplers

| Body Size | Threads        | Brass           |                | Steel           |              | 303 Stainless Steel |               | 316 Stainless Steel       |
|-----------|----------------|-----------------|----------------|-----------------|--------------|---------------------|---------------|---------------------------|
|           |                | Previous Part # | Part #         | Previous Part # | Part #       | Previous Part #     | Part #        | Part #                    |
| 1/2"      | 3/8"-18 NPTF   | QB101           | <b>4NF3-B</b>  | QM101           | <b>4NF3</b>  | ---                 | ---           | ---                       |
|           | 3/8"-19 BSPP   | ---             | ---            | ---             | <b>4NBF3</b> | ---                 | ---           | ---                       |
|           | 1/2"-14 NPTF   | QB102           | <b>4NF4-B</b>  | QM102           | <b>4NF4</b>  | ---                 | ---           | ---                       |
|           | 1/2"-14 BSPP   | ---             | <b>4NBF4-B</b> | ---             | <b>4NBF4</b> | ---                 | ---           | ---                       |
|           | 3/4"-14 NPTF   | QB103           | <b>4NF6-B</b>  | QM103           | <b>4NF6</b>  | QSS103              | <b>4NF6-S</b> | <b>4NF6-SS</b> <b>NEW</b> |
|           | 3/4"-14 BSPP   | ---             | <b>4NBF6-B</b> | ---             | <b>4NBF6</b> | ---                 | ---           | ---                       |
|           | 1"-11 1/2 NPTF | QB105           | <b>4NF8-B</b>  | QM105           | <b>4NF8</b>  | ---                 | ---           | <b>4NF8-SS</b> <b>NEW</b> |
|           | 1"-11 BSPP     | ---             | <b>4NBF8-B</b> | ---             | <b>4NBF8</b> | ---                 | ---           | ---                       |



brass



steel



303/316 stainless

## Male Head x Female Threaded End Plugs

| Body Size | Threads        | Brass           |                | Steel           |              | 303 Stainless Steel |               | 316 Stainless Steel       |
|-----------|----------------|-----------------|----------------|-----------------|--------------|---------------------|---------------|---------------------------|
|           |                | Previous Part # | Part #         | Previous Part # | Part #       | Previous Part #     | Part #        | Part #                    |
| 1/2"      | 3/8"-18 NPTF   | QB81            | <b>N4F3-B</b>  | QM81            | <b>N4F3</b>  | ---                 | ---           | ---                       |
|           | 3/8"-19 BSPP   | ---             | ---            | ---             | <b>N4BF3</b> | ---                 | ---           | ---                       |
|           | 1/2"-14 NPTF   | QB82            | <b>N4F4-B</b>  | QM82            | <b>N4F4</b>  | ---                 | ---           | ---                       |
|           | 1/2"-14 BSPP   | ---             | <b>N4BF4-B</b> | ---             | <b>N4BF4</b> | ---                 | ---           | ---                       |
|           | 3/4"-14 NPTF   | QB83            | <b>N4F6-B</b>  | QM83            | <b>N4F6</b>  | QSS83               | <b>N4F6-S</b> | <b>N4F6-SS</b> <b>NEW</b> |
|           | 3/4"-14 BSPP   | ---             | <b>N4BF6-B</b> | ---             | <b>N4BF6</b> | ---                 | ---           | ---                       |
|           | 1"-11 1/2 NPTF | QB85            | <b>N4F8-B</b>  | QM85            | <b>N4F8</b>  | ---                 | ---           | <b>N4F8-SS</b> <b>NEW</b> |
|           | 1"-11 BSPP     | ---             | <b>N4BF8-B</b> | ---             | <b>N4BF8</b> | ---                 | ---           | ---                       |



brass



steel



303/316 stainless

## Male Head x Female Threaded End Safety Lock Plugs

| Body Size | Threads        | Brass Part #     |
|-----------|----------------|------------------|
| 1/2"      | 1/2" - 14 NPTF | <b>N4F4-B-LS</b> |
|           | 3/4" - 14 NPTF | <b>N4F6-B-LS</b> |





## Dix-Lock™ N-Series Interchange Pneumatic Couplings

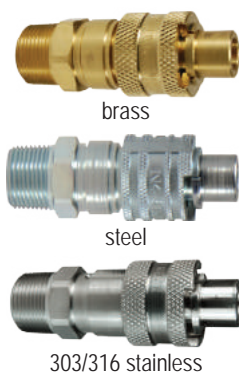
## Female Head x Male Threaded End Couplers



303/316 stainless

| Body Size | Threads          | Brass           |                | Steel           |              | 303 Stainless Steel |               | 316 Stainless Steel |
|-----------|------------------|-----------------|----------------|-----------------|--------------|---------------------|---------------|---------------------|
|           |                  | Previous Part # | Part #         | Previous Part # | Part #       | Previous Part #     | Part #        |                     |
| 3/8"      | 1/2" - 14 NPTF   | ---             | ---            | QM60            | <b>3NM4</b>  | ---                 | ---           | ---                 |
|           | 1/2" - 14 BSPT   | ---             | ---            | ---             | <b>3NBM4</b> | ---                 | ---           | ---                 |
| 1/2"      | 3/8" - 18 NPTF   | QB61            | <b>4NM3-B</b>  | QM61            | <b>4NM3</b>  | ---                 | ---           | ---                 |
|           | 3/8" - 19 BSPT   | ---             | ---            | ---             | <b>4NBM3</b> | ---                 | ---           | ---                 |
|           | 1/2" - 14 NPTF   | QB62            | <b>4NM4-B</b>  | QM62            | <b>4NM4</b>  | ---                 | ---           | ---                 |
|           | 1/2" - 14 BSPT   | ---             | <b>4NBM4-B</b> | ---             | <b>4NBM4</b> | ---                 | ---           | ---                 |
|           | 3/4" - 14 NPTF   | QB63            | <b>4NM6-B</b>  | QM63            | <b>4NM6</b>  | QSS63               | <b>4NM6-S</b> | <b>4NM6-SS</b>      |
|           | 3/4" - 14 BSPT   | ---             | <b>4NBM6-B</b> | ---             | <b>4NBM6</b> | ---                 | ---           | ---                 |
|           | 1" - 11 1/2 NPTF | QB65            | <b>4NM8-B</b>  | QM65            | <b>4NM8</b>  | ---                 | ---           | <b>4NM8-SS</b>      |
|           | 1" - 11 BSPT     | ---             | <b>4NBM8-B</b> | ---             | <b>4NBM8</b> | ---                 | ---           | ---                 |

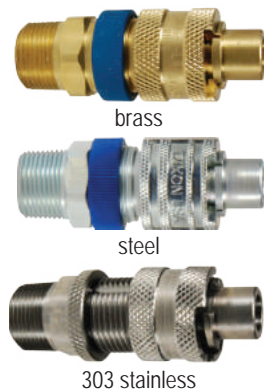
## Male Head x Male Threaded End Plugs



303/316 stainless

| Body Size | Threads        | Brass           |                | Steel           |              | 303 Stainless Steel |               | 316 Stainless Steel |
|-----------|----------------|-----------------|----------------|-----------------|--------------|---------------------|---------------|---------------------|
|           |                | Previous Part # | Part #         | Previous Part # | Part #       | Previous Part #     | Part #        |                     |
| 3/8"      | 1/2"-14 NPTF   | ---             | ---            | QM40            | <b>N3M4</b>  | ---                 | ---           | ---                 |
|           | 1/2"-14 BSPT   | ---             | ---            | ---             | <b>N3BM4</b> | ---                 | ---           | ---                 |
| 1/2"      | 3/8"-18 NPTF   | QB41            | <b>N4M3-B</b>  | QM41            | <b>N4M3</b>  | ---                 | ---           | ---                 |
|           | 3/8"-19 BSPT   | ---             | ---            | ---             | <b>N4BM3</b> | ---                 | ---           | ---                 |
|           | 1/2"-14 NPTF   | QB42            | <b>N4M4-B</b>  | QM42            | <b>N4M4</b>  | ---                 | ---           | ---                 |
|           | 1/2"-14 BSPT   | ---             | <b>N4BM4-B</b> | ---             | <b>N4BM4</b> | ---                 | ---           | ---                 |
|           | 3/4"-14 NPTF   | QB43            | <b>N4M6-B</b>  | QM43            | <b>N4M6</b>  | QSS43               | <b>N4M6-S</b> | <b>N4M6-SS</b>      |
|           | 3/4"-14 BSPT   | ---             | <b>N4BM6-B</b> | ---             | <b>N4BM6</b> | ---                 | ---           | ---                 |
|           | 1"-11 1/2 NPTF | QB45            | <b>N4M8-B</b>  | QM45            | <b>N4M8</b>  | ---                 | ---           | <b>N4M8-SS</b>      |
|           | 1"-11 BSPT     | ---             | <b>N4BM8-B</b> | ---             | <b>N4BM8</b> | ---                 | ---           | ---                 |

## Male Head x Male Threaded Safety Lock End Plugs



303 stainless

| Body Size | Threads      | Brass           |                  | Steel           |                 | 303 Stainless Steel |
|-----------|--------------|-----------------|------------------|-----------------|-----------------|---------------------|
|           |              | Previous Part # | Part #           | Previous Part # | Part #          |                     |
| 1/2"      | 1/2"-14 NPTF | QB66            | <b>N4M4-B-LS</b> | QM66            | <b>N4M4-LS</b>  | ---                 |
|           | 1/2"-14 BSPT | ---             | ---              | ---             | <b>N4BM4-LS</b> | ---                 |
|           | 3/4"-14 NPTF | QB88            | <b>N4M6-B-LS</b> | QM88            | <b>N4M6-LS</b>  | <b>N4M6-S-LS</b>    |
|           | 3/4"-14 BSPT | ---             | ---              | ---             | <b>N4BM6-LS</b> | ---                 |

## Female Head x Standard Hose Barb Couplers



303/316 stainless

| Body Size | Hose ID | Brass           |               | Steel           |              | 303 Stainless Steel |               | 316 Stainless Steel |
|-----------|---------|-----------------|---------------|-----------------|--------------|---------------------|---------------|---------------------|
|           |         | Previous Part # | Part #        | Previous Part # | Part #       | Previous Part #     | Part #        |                     |
| 3/8"      | 1/2"    | ---             | ---           | QM20            | <b>3NCS4</b> | ---                 | ---           | ---                 |
| 1/2"      | 3/8"    | QB21            | <b>4NS3-B</b> | QM21            | <b>4NS3</b>  | ---                 | ---           | ---                 |
|           | 1/2"    | QB22            | <b>4NS4-B</b> | QM22            | <b>4NS4</b>  | ---                 | ---           | ---                 |
|           | 3/4"    | QB23            | <b>4NS6-B</b> | QM23            | <b>4NS6</b>  | QSS23               | <b>4NS6-S</b> | <b>4NS6-SS</b>      |
|           | 1"      | QB25            | <b>4NS8-B</b> | QM25            | <b>4NS8</b>  | ---                 | <b>4NS8-S</b> | <b>4NS8-SS</b>      |

## Dix-Lock™ N-Series Interchange Pneumatic Couplings

## Male End x Hose Barb Plugs

| Body Size | Hose ID | Brass           |               | Steel           |              | 303 Stainless Steel |               | 316 Stainless Steel |
|-----------|---------|-----------------|---------------|-----------------|--------------|---------------------|---------------|---------------------|
|           |         | Previous Part # | Part #        | Previous Part # | Part #       | Previous Part #     | Part #        | Part #              |
| 3/8"      | 1/2"    | ---             | ---           | QM1             | <b>N3CS4</b> | ---                 | ---           | ---                 |
| 1/2"      | 3/8"    | QB2             | <b>N4S3-B</b> | QM2             | <b>N4S3</b>  | ---                 | ---           | ---                 |
|           | 1/2"    | QB3             | <b>N4S4-B</b> | QM3             | <b>N4S4</b>  | ---                 | ---           | ---                 |
|           | 3/4"    | QB4             | <b>N4S6-B</b> | QM4             | <b>N4S6</b>  | QSS4                | <b>N4S6-S</b> | <b>N4S6-SS</b>      |
|           | 1"      | QB5             | <b>N4S8-B</b> | QM5             | <b>N4S8</b>  | ---                 | <b>N4S8-S</b> | <b>N4S8-SS</b>      |



brass



steel



303/316 stainless

Pneumatic Fittings

## Male End x Hose Barb Safety Lock Plugs

| Body Size | Hose ID | Previous Part # | Brass            | Previous Part # | Steel          | 303 Stainless Steel Part # |
|-----------|---------|-----------------|------------------|-----------------|----------------|----------------------------|
|           |         |                 | Part #           |                 | Part #         |                            |
| 1/2"      | 1/2"    | QB33            | <b>N4S4-B-LS</b> | QM33            | <b>N4S4-LS</b> | ---                        |
|           | 3/4"    | QB44            | <b>N4S6-B-LS</b> | QM44            | <b>N4S6-LS</b> | <b>N4S6-S-LS</b>           |



brass



steel



303 stainless

## Gender Change Union

| Body Size | Configuration      | Previous Part # | Steel       |
|-----------|--------------------|-----------------|-------------|
|           |                    |                 | Part #      |
| 1/2"      | coupler to coupler | QM0             | <b>4N4N</b> |



## Caps

| Body Size | Cap Lanyard | Previous Part # | Brass         | Previous Part # | Steel       |
|-----------|-------------|-----------------|---------------|-----------------|-------------|
|           |             |                 | Part #        |                 | Part #      |
| 1/2"      | steel cable | QBCAP           | <b>N4DC-B</b> | QMCAP           | <b>N4DC</b> |



## Seals

| Body Size | Coupler Style | Previous Part # | Nitrile        | FKM Part #       |
|-----------|---------------|-----------------|----------------|------------------|
|           |               |                 | Part #         |                  |
| 3/8"      | all           | QBM1            | <b>3N-SKIT</b> | ---              |
| 1/2"      | all           | QBM2            | <b>4N-SKIT</b> | <b>F-4N-SKIT</b> |



## Dix-Lock™ N-Series Interchange Pneumatic Coupler with Ferrule

**Features:**

- working pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- for crimp recommendations visit [dixonvalve.com](http://dixonvalve.com)
- also available in stainless steel, contact Dixon® for further information

**Materials:**

- machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock
- stainless steel retaining ring and spring maximize corrosion resistance and extend service life
- steel componentry is plated using ROHS Compliant Trivalent Chrome

**Interchange Data:**

- Bowes Interchange Bayonet Style
- interchangeable with Bowes 51000-Series, National Series 'B', MacDonald Quick-Action, Campbell Single-Lock

**Seal Components:**

- Nitrile (Buna-N) pneumatically energized seals are standard, temperature range **-40°F to 250°F (-40°C to 121°C)**

**Female Head with Ferrule**

| Body Size | Hose ID | Hose OD  |          | Plated Steel    |                | Brass           |                  |
|-----------|---------|----------|----------|-----------------|----------------|-----------------|------------------|
|           |         | From:    | To:      | Previous Part # | Part #         | Previous Part # | Part #           |
| 1/2"      | 1/2"    | 54/64"   | 1-2/64"  | QM22WF          | <b>4NS4-WF</b> | QB22WF          | <b>4NS4-B-WF</b> |
|           | 3/4"    | 1-10/64" | 1-22/64" | QM23WF          | <b>4NS6-WF</b> | QB23WF          | <b>4NS6-B-WF</b> |

**Male Head with Ferrule**

| Body Size | Hose ID | Hose OD  |          | Plated Steel    |                | Brass           |                  |
|-----------|---------|----------|----------|-----------------|----------------|-----------------|------------------|
|           |         | From:    | To:      | Previous Part # | Part #         | Previous Part # | Part #           |
| 1/2"      | 1/2"    | 54/64"   | 1-2/64"  | QM3WF           | <b>N4S4-WF</b> | QB3WF           | <b>N4S4-B-WF</b> |
|           | 3/4"    | 1-10/64" | 1-22/64" | QM4WF           | <b>N4S6-WF</b> | QB4WF           | <b>N4S6-B-WF</b> |

**Male Locking Head with Ferrule**

| Body Size | Hose ID | Hose OD  |          | Plated Steel    |                   | Brass           |                     |
|-----------|---------|----------|----------|-----------------|-------------------|-----------------|---------------------|
|           |         | From:    | To:      | Previous Part # | Part #            | Previous Part # | Part #              |
| 1/2"      | 1/2"    | 54/64"   | 1-2/64"  | QM33WF          | <b>N4S4-LS-WF</b> | QB33WF          | <b>N4S4-B-LS-WF</b> |
|           | 3/4"    | 1-10/64" | 1-22/64" | QM44WF          | <b>N4S6-LS-WF</b> | QB44WF          | <b>N4S6-B-LS-WF</b> |

## Dual-Lock™ P-Series Pneumatic Couplings

## Features:

- interchanges with National A type, Campbell Double-Lock and Thor PHC series couplings
- spring loaded interlocking engagement
- optional locking key prevents sleeve retraction
- working pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- Nitrile (Buna-N) seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**
- steel componentry is plated using ROHS compliant trivalent chrome

## Female Thread Couplers

| Body Size | Threads        | Brass           |        | Steel           |             | 303 Stainless Steel |               |
|-----------|----------------|-----------------|--------|-----------------|-------------|---------------------|---------------|
|           |                | Previous Part # | Part # | Previous Part # | Part #      | Previous Part #     | Part #        |
| 1/2"      | 3/8" - 14 NPTF | ---             | ---    | PFL8            | <b>4PF4</b> | ---                 | ---           |
|           | 1/2" - 14 NPTF | <b>4PF6-B</b>   | ---    | PFL12           | <b>4PF6</b> | PFL12SS             | <b>4PF6-S</b> |



brass



steel



303 stainless

## Female Thread Plugs

| Body Size | Threads          | Brass           |               | Steel           |                           | 303 Stainless Steel |               |
|-----------|------------------|-----------------|---------------|-----------------|---------------------------|---------------------|---------------|
|           |                  | Previous Part # | Part #        | Previous Part # | Part #                    | Previous Part #     | Part #        |
| 1/2"      | 3/8" - 18 NPTF   | ---             | ---           | PF6             | <b>P4F3</b>               | ---                 | ---           |
|           | 1/2" - 14 NPTF   | PFB8            | <b>P4F4-B</b> | PF8             | <b>P4F4</b>               | ---                 | ---           |
|           | 3/4" - 14 NPTF   | PFB12           | <b>P4F6-B</b> | PF12            | <b>P4F6</b>               | PF12SS              | <b>P4F6-S</b> |
|           | 3/4" - 14 NPTF   | ---             | ---           | ---             | <b>P4F6-9<sup>1</sup></b> | ---                 | ---           |
|           | 1" - 11 1/2 NPTF | PFB16           | <b>P4F8-B</b> | PF16            | <b>P4F8</b>               | ---                 | ---           |

<sup>1</sup> steel/PTFE coating

brass



steel



303 stainless

## Male Thread Couplers

| Body Size | Threads          | Steel           |                           | 303 Stainless Steel |               |
|-----------|------------------|-----------------|---------------------------|---------------------|---------------|
|           |                  | Previous Part # | Part #                    | Previous Part #     | Part #        |
| 1/2"      | 3/8" - 18 NPTF   | PML6            | <b>4PM3</b>               | ---                 | ---           |
|           | 1/2" - 14 NPTF   | PML8            | <b>4PM4</b>               | ---                 | ---           |
|           | 3/4" - 14 NPTF   | PML12           | <b>4PM6</b>               | PML12SS             | <b>4PM6-S</b> |
|           | 3/4" - 14 NPTF   | ---             | <b>4PM6-9<sup>1</sup></b> | ---                 | ---           |
|           | 1" - 11 1/2 NPTF | ---             | <b>4PM8</b>               | ---                 | ---           |

<sup>1</sup> steel/PTFE coating

steel



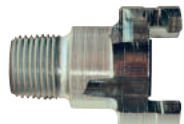
303 stainless

## Dual-Lock™ P-Series Pneumatic Couplings

## Male Thread Plugs



brass



steel



303 stainless

| Body Size | Threads        | Brass           |               | Steel           |                           | 303 Stainless Steel |               |
|-----------|----------------|-----------------|---------------|-----------------|---------------------------|---------------------|---------------|
|           |                | Previous Part # | Part #        | Previous Part # | Part #                    | Previous Part #     | Part #        |
| 1/2"      | 3/8"-18 NPTF   | ---             | ---           | PM6             | <b>P4M3</b>               | ---                 | ---           |
|           | 1/2"-14 NPTF   | PMB8            | <b>P4M4-B</b> | PM8             | <b>P4M4</b>               | ---                 | ---           |
|           | 3/4"-14 NPTF   | PMB12           | <b>P4M6-B</b> | PM12            | <b>P4M6</b>               | PM12SS              | <b>P4M6-S</b> |
|           | 3/4"-14 NPTF   | ---             | ---           | ---             | <b>P4M6-9<sup>1</sup></b> | ---                 | ---           |
|           | 1"-11 1/2 NPTF | PMB16           | <b>P4M8-B</b> | PM16            | <b>P4M8</b>               | ---                 | ---           |

<sup>1</sup> steel/PTFE coating

## Hose Barb Couplers



brass



steel



303 stainless

| Body Size | Hose ID | Brass           |               | Steel           |                           | 303 Stainless Steel |               |
|-----------|---------|-----------------|---------------|-----------------|---------------------------|---------------------|---------------|
|           |         | Previous Part # | Part #        | Previous Part # | Part #                    | Previous Part #     | Part #        |
| 1/2"      | 3/8"    | ---             | ---           | PHL6            | <b>4PS3</b>               | ---                 | ---           |
|           | 1/2"    | ---             | <b>4PS4-B</b> | PHL8            | <b>4PS4</b>               | ---                 | ---           |
|           | 3/4"    | PHLB12          | <b>4PS6-B</b> | PHL12           | <b>4PS6</b>               | PHL12SS             | <b>4PS6-S</b> |
|           | 3/4"    | ---             | ---           | ---             | <b>4PS6-9<sup>1</sup></b> | ---                 | ---           |
|           | 1"      | PHLB16          | <b>4PS8-B</b> | PHL16           | <b>4PS8</b>               | ---                 | ---           |

<sup>1</sup> steel/PTFE coating

## Hose Barb Coupler with Knurled Flanged Sleeves

## Feature:

- large, raised collar sleeve permits easier handling when wearing gloves



| Body Size | Hose ID | Trivalent Chrome Plated Steel |                |
|-----------|---------|-------------------------------|----------------|
|           |         | Previous Part #               | Part #         |
| 1/2"      | 3/8"    | PHL6FS                        | <b>4PS3-FS</b> |
|           | 1/2"    | PHL8FS                        | <b>4PS4-FS</b> |
|           | 3/4"    | PHL12FS                       | <b>4PS6-FS</b> |
|           | 3/4"    | ---                           | ---            |

## Male Thread Coupler with Knurled Flanged Sleeves



| Body Size | Threads      | Trivalent Chrome Plated Steel |                |
|-----------|--------------|-------------------------------|----------------|
|           |              | Previous Part #               | Part #         |
| 1/2"      | 3/8"-18 NPTF | PML6FS                        | <b>4PM3-FS</b> |
|           | 1/2"-14 NPTF | PML8FS                        | <b>4PM4-FS</b> |
|           | 3/4"-14 NPTF | PML12FS                       | <b>4PM6-FS</b> |
|           | 3/4"-14 NPTF | ---                           | ---            |

## Female Thread Couplers with Knurled Flanged Sleeves



| Body Size | Threads      | Trivalent Chrome Plated Steel |                |
|-----------|--------------|-------------------------------|----------------|
|           |              | Previous Part #               | Part #         |
| 1/2"      | 1/2"-14 NPTF | PFL8FS                        | <b>4PF4-FS</b> |
|           | 3/4"-14 NPTF | PFL12FS                       | <b>4PF6-FS</b> |

## Dual-Lock™ P-Series Pneumatic Couplings

### Couplers with Ferrule

**Features:**

- working pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- for crimp recommendations see [dixonvalve.com](http://dixonvalve.com)
- 3/8" and 1" sizes available upon request, contact Dixon®

**Materials:**

- machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock
- stainless steel retaining ring and spring maximize corrosion resistance and extend service life
- steel componentry is plated using ROHS Compliant Trivalent Chrome
- steel couplings have a zinc cast sleeve

**Interchange Data:**

- Thor Finger-Lock Interchange
- Interchanges with Thor PHC-Series, National Series 'A', and Campbell Double-Lock

**Seal Components:**

- Nitrile (Buna-N) seals standard, temperature range **-40°F to 250°F (-40°C to 121°C)**



| Body Size | Hose ID | Hose OD  |          | Trivalent Chrome Plated Steel |                |
|-----------|---------|----------|----------|-------------------------------|----------------|
|           |         | From:    | To:      | Previous Part #               | Part #         |
| 1/2"      | 1/2"    | 54/64"   | 1-2/64"  | PHL8WF                        | <b>4PS4-WF</b> |
|           | 3/4"    | 1-10/64" | 1-22/64" | PHL12WF                       | <b>4PS6-WF</b> |

## Dual-Lock™ P-Series Pneumatic Couplings

**Replacement Seals**

| Body Size | Coupler Style | Nitrile        | FKM             |                  |
|-----------|---------------|----------------|-----------------|------------------|
|           |               | Part #         | Previous Part # | Part #           |
| 1/2"      | all           | <b>4P-SKIT</b> | 452963          | <b>F-4P-SKIT</b> |

**Locking Key**

| Body Size | Coupler Style | Previous Part # | Steel          |
|-----------|---------------|-----------------|----------------|
|           |               |                 | Part #         |
| 1/2"      | all           | 855231          | <b>4P-CLIP</b> |

- fits couplings with locking sleeve





## Air Chief Industrial Interchange Couplings

**Features:**

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with many other manufacturer's designs
- interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- for air service only

**Female Threaded Plugs**

| Body Size | Female NPT | Flow Rating<br>at 100 PSI | Steel<br>Part # |
|-----------|------------|---------------------------|-----------------|
| 1/4"      | 1/8"       | 37 CFM                    | <b>DCP2021</b>  |
|           | 1/4"       | 37 CFM                    | <b>DCP20</b>    |
|           | 3/8"       | 37 CFM                    | <b>DCP2023</b>  |
| 3/8"      | 1/4"       | 70 CFM                    | <b>DCP2622</b>  |
|           | 3/8"       | 70 CFM                    | <b>DCP26</b>    |
|           | 1/2"       | 70 CFM                    | <b>DCP2624</b>  |
| 1/2"      | 3/8"       | 150 CFM                   | <b>DCP1823</b>  |
|           | 1/2"       | 150 CFM                   | <b>DCP18</b>    |
|           | 3/4"       | 150 CFM                   | <b>DCP1826</b>  |
| 3/4"      | 1/2"       | 200 CFM                   | <b>DCP7024</b>  |
|           | 3/4"       | 200 CFM                   | <b>DCP7026</b>  |
|           | 1"         | 200 CFM                   | <b>DCP7028</b>  |

**Male Threaded Plugs**

| Body Size | Male NPT | Flow Rating<br>at 100 PSI | Steel<br>Part # |
|-----------|----------|---------------------------|-----------------|
| 1/4"      | 1/8"     | 37 CFM                    | <b>DCP2101</b>  |
|           | 1/4"     | 37 CFM                    | <b>DCP21</b>    |
|           | 3/8"     | 37 CFM                    | <b>DCP2103</b>  |
| 3/8"      | 1/4"     | 70 CFM                    | <b>DCP2502</b>  |
|           | 3/8"     | 70 CFM                    | <b>DCP25</b>    |
|           | 1/2"     | 70 CFM                    | <b>DCP2504</b>  |
| 1/2"      | 3/8"     | 150 CFM                   | <b>DCP1703</b>  |
|           | 1/2"     | 150 CFM                   | <b>DCP17</b>    |
|           | 3/4"     | 150 CFM                   | <b>DCP1706</b>  |
| 3/4"      | 1/2"     | 200 CFM                   | <b>DCP7104</b>  |
|           | 3/4"     | 200 CFM                   | <b>DCP7106</b>  |
|           | 1"       | 200 CFM                   | <b>DCP7108</b>  |



## Air Chief Industrial Interchange Couplings

## Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with many other manufacturer's designs
- interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- for air service only



## Standard Hose Barb Plugs

| Body Size | Hose ID | Flow Rating at 100 PSI | Steel Part #   |
|-----------|---------|------------------------|----------------|
| 1/4"      | 5/16"   | 37 CFM                 | <b>DCP2143</b> |
|           | 3/8"    | 37 CFM                 | <b>DCP2144</b> |
| 3/8"      | 1/2"    | 70 CFM                 | <b>DCP2545</b> |
| 1/2"      | 3/4"    | 150 CFM                | <b>DCP1746</b> |
| 3/4"      | 1/2"    | 200 CFM                | <b>DCP7145</b> |
|           | 3/4"    | 200 CFM                | <b>DCP7146</b> |
|           | 1"      | 200 CFM                | <b>DCP7148</b> |



DCP7145

## Push-On Hose Barb Plugs

| Body Size | Hose ID | Flow Rating at 100 PSI | Steel Part #    |
|-----------|---------|------------------------|-----------------|
| 1/4"      | 3/8"    | 37 CFM                 | <b>DCP2144L</b> |
| 3/8"      | 1/4"    | 70 CFM                 | <b>DCP2542L</b> |



## Ball Swivel Plug

## Features:

- threaded portion is brass
- plug and nut portion is nickel-plated hardened steel
- pressure rating: **250 PSI**

| Body Size | Male NPT | Part #           |
|-----------|----------|------------------|
| 1/4"      | 1/4"     | <b>DCP21SWIV</b> |



## Dixon® Keychain

## Feature:

- halves separate like a coupler and plug

|                        |
|------------------------|
| Plated Steel<br>Part # |
| <b>DKC1</b>            |



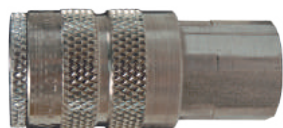
## Air Chief Industrial Interchange Couplings

## Features:

- couplers shut-off when disconnected
- couplers are semi-automatic
- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with many other manufacturer's designs
- interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- for air service only



### Semi-Automatic Female Threaded Couplers



| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part #  | Steel Part #  |
|-----------|------------|------------------------|---------------|---------------|
| 1/4"      | 1/8"       | 37 CFM                 | <b>DC2021</b> | ---           |
|           | 1/4"       | 37 CFM                 | <b>DC20</b>   | ---           |
|           | 3/8"       | 37 CFM                 | <b>DC2023</b> | ---           |
| 3/8"      | 1/4"       | 70 CFM                 | ---           | <b>DC2622</b> |
|           | 3/8"       | 70 CFM                 | ---           | <b>DC26</b>   |
|           | 1/2"       | 70 CFM                 | ---           | <b>DC2624</b> |
| 1/2"      | 3/8"       | 150 CFM                | ---           | <b>DC1023</b> |
|           | 1/2"       | 150 CFM                | ---           | <b>DC10</b>   |
|           | 3/4"       | 150 CFM                | ---           | <b>DC1026</b> |

### Male Threaded Couplers



| Body Size | Male NPT | Flow Rating at 100 PSI | Brass Part #  | Steel Part #  |
|-----------|----------|------------------------|---------------|---------------|
| 1/4"      | 1/8"     | 37 CFM                 | <b>DC2101</b> | ---           |
|           | 1/4"     | 37 CFM                 | <b>DC21</b>   | ---           |
|           | 3/8"     | 37 CFM                 | <b>DC2103</b> | ---           |
| 3/8"      | 1/4"     | 70 CFM                 | ---           | <b>DC2502</b> |
|           | 3/8"     | 70 CFM                 | ---           | <b>DC25</b>   |
|           | 1/2"     | 70 CFM                 | ---           | <b>DC2504</b> |
| 1/2"      | 3/8"     | 150 CFM                | ---           | <b>DC903</b>  |
|           | 1/2"     | 150 CFM                | ---           | <b>DC9</b>    |
|           | 3/4"     | 150 CFM                | ---           | <b>DC906</b>  |

### Standard Hose Barb Couplers



| Body Size | Hose ID | Flow Rating at 100 PSI | Brass Part #  | Steel Part #  |
|-----------|---------|------------------------|---------------|---------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC2042</b> | ---           |
|           | 5/16"   | 37 CFM                 | <b>DC2043</b> | ---           |
|           | 3/8"    | 37 CFM                 | <b>DC2044</b> | ---           |
| 3/8"      | 3/8"    | 70 CFM                 | ---           | <b>DC2644</b> |
|           | 1/2"    | 70 CFM                 | ---           | <b>DC2645</b> |
| 1/2"      | 3/8"    | 150 CFM                | ---           | <b>DC1044</b> |
|           | 1/2"    | 150 CFM                | ---           | <b>DC1045</b> |
|           | 3/4"    | 150 CFM                | ---           | <b>DC1046</b> |

### Push-On Hose Barb Couplers



| Body Size | Hose ID | Flow Rating at 100 PSI | Brass Part #   | Steel Part #   |
|-----------|---------|------------------------|----------------|----------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC2042L</b> | ---            |
|           | 3/8"    | 37 CFM                 | <b>DC2044L</b> | ---            |
| 3/8"      | 1/4"    | 70 CFM                 | ---            | <b>DC2642L</b> |
|           | 3/8"    | 70 CFM                 | ---            | <b>DC2644L</b> |

## Air Chief Industrial Interchange Couplings

## Features:

- couplers shut-off when disconnected
- couplers are automatic
- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with many other manufacturer's designs
- interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- for air service only



## Automatic

## Female Threaded Couplers

| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part #  |
|-----------|------------|------------------------|---------------|
| 3/4"      | 1/2"       | 200 CFM                | <b>DC7024</b> |
|           | 3/4"       | 200 CFM                | <b>DC7026</b> |
|           | 1"         | 200 CFM                | <b>DC7028</b> |



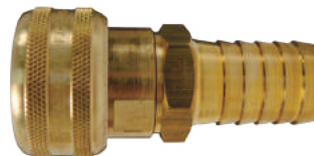
## Male Threaded Couplers

| Body Size | Male NPT | Flow Rating at 100 PSI | Brass Part #  |
|-----------|----------|------------------------|---------------|
| 3/4"      | 1/2"     | 200 CFM                | <b>DC7104</b> |
|           | 3/4"     | 200 CFM                | <b>DC7106</b> |
|           | 1"       | 200 CFM                | <b>DC7108</b> |



## Standard Hose Barb Couplers

| Body Size | Hose ID | Flow Rating at 100 PSI | Brass Part #  |
|-----------|---------|------------------------|---------------|
| 3/4"      | 1/2"    | 200 CFM                | <b>DC7045</b> |
|           | 3/4"    | 200 CFM                | <b>DC7046</b> |
|           | 1"      | 200 CFM                | <b>DC7048</b> |



## Parker E-z-mate Industrial Couplings

E-z-mate couplings combine push-to-connect, exhaust-style action with a self-locking valve sleeve to guard against accidental disconnection. Simply follow the direction of the on-off arrow stamped on the yellow chromate valve sleeve. Valve sleeve acts as an integral shut-off valve that allows connection and disconnection at zero pressure. When the sleeve is moved to shut off air flow, it automatically vents downstream allowing for disconnection at zero pressure and eliminating the risk of hose whip.

### Features:

- pressure rating: **300 PSI**
- temperature range (standard seals): **-40°F to +250°F (-40°C to 121°C)**
- meets ISO 4414 requirements for a controlled pressure release system
- not recommended for vacuum service



### Female Threaded Couplers



| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part #    |
|-----------|------------|------------------------|-----------------|
| 1/4"      | 1/4"-18    | 37 CFM                 | <b>DC20SE</b>   |
|           | 3/8"-18    | 37 CFM                 | <b>DC2023SE</b> |
| 3/8"      | 3/8"-18    | 70 CFM                 | <b>DC26SE</b>   |
|           | 1/2"-14    | 70 CFM                 | <b>DC2624SE</b> |
| 1/2"      | 1/2"-14    | 150 CFM                | <b>DC10SE</b>   |
|           | 3/4"-14    | 150 CFM                | <b>DC1026SE</b> |
| 3/4"      | 3/4"-14    | 200 CFM                | <b>DC7026SE</b> |
|           | 1"-11-1/2  | 200 CFM                | <b>DC7028SE</b> |

### Male Threaded Couplers



| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part #    |
|-----------|----------|------------------------|-----------------|
| 1/4"      | 1/4"-18  | 37 CFM                 | <b>DC21SE</b>   |
|           | 3/8"-18  | 37 CFM                 | <b>DC2103SE</b> |
| 3/8"      | 3/8"-18  | 70 CFM                 | <b>DC25SE</b>   |
| 1/2"      | 1/2"-14  | 150 CFM                | <b>DC9SE</b>    |
| 3/4"      | 3/4"-14  | 200 CFM                | <b>DC7106SE</b> |

### Standard Hose Barb Couplers



| Body Size | Hose ID | Flow Rating at 100 PSI | Steel Part #    |
|-----------|---------|------------------------|-----------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC2042SE</b> |
|           | 3/8"    | 37 CFM                 | <b>DC2044SE</b> |
| 3/8"      | 3/8"    | 70 CFM                 | <b>DC2644SE</b> |
| 1/2"      | 1/2"    | 150 CFM                | <b>DC1045SE</b> |

### Push-Lock Hose Barb Couplers



| Body Size | Hose ID | Flow Rating at 100 PSI | Steel Part #     |
|-----------|---------|------------------------|------------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC2042LSE</b> |
|           | 3/8"    | 37 CFM                 | <b>DC2044LSE</b> |
| 3/8"      | 3/8"    | 70 CFM                 | <b>DC2644LSE</b> |
| 1/2"      | 1/2"    | 150 CFM                | <b>DC1045LSE</b> |

Legris Industrial Interchange Safety Couplers

Applications:

- suited for numerous installations including: pneumatic tools, blow guns, pneumatic automotive equipment

Features:

- temperature range: **-4°F to 140°F (-40°C to 121°C)**
- working pressure: **230 PSI**
- composite, non-marring body
- 1/4" body size ensures excellent flow and total security due to disconnection in two steps
- compatible with industrial interchange plugs



1. vents plug side



2. disconnects

Female Threaded Automatic Couplers

| Body Size | NPT Size | Part #    |
|-----------|----------|-----------|
| 1/4"      | 1/4"     | 9415U0614 |
|           | 3/8"     | 9415U0618 |



Male Threaded Automatic Couplers

| Body Size | NPT Size | Part #    |
|-----------|----------|-----------|
| 1/4"      | 1/4"     | 9405U0614 |
|           | 3/8"     | 9405U0618 |





## Air Chief Automotive Interchange Couplings

**Features:**

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- couplers are semi-automatic
- interchange with popular makes of automotive quick-connect fittings such as Amflo, Dill, Milton and Truflate, some designs do not interchange with others, if you plan to interchange these couplings make sure you have plug ends with the proper configuration

**Semi-Automatic****Female Threaded Plugs**

| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part #  |
|-----------|------------|------------------------|---------------|
| 1/4"      | 1/8"       | 37 CFM                 | <b>DCP221</b> |
|           | 1/4"       | 37 CFM                 | <b>DCP2</b>   |
|           | 3/8"       | 37 CFM                 | <b>DCP223</b> |
| 3/8"      | 1/4"       | 70 CFM                 | <b>DCP8</b>   |
|           | 3/8"       | 70 CFM                 | <b>DCP6</b>   |
|           | 1/2"       | 70 CFM                 | <b>DCP624</b> |

**Male Threaded Plugs**

| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part #  |
|-----------|----------|------------------------|---------------|
| 1/4"      | 1/8"     | 37 CFM                 | <b>DCP101</b> |
|           | 1/4"     | 37 CFM                 | <b>DCP1</b>   |
|           | 3/8"     | 37 CFM                 | <b>DCP103</b> |
| 3/8"      | 1/4"     | 70 CFM                 | <b>DCP7</b>   |
|           | 3/8"     | 70 CFM                 | <b>DCP5</b>   |

**Standard Hose Barb Plugs**

| Body Size | Hose ID | Flow Rating at 100 PSI | Steel Part #  |
|-----------|---------|------------------------|---------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DCP142</b> |
|           | 3/8"    | 37 CFM                 | <b>DCP144</b> |
| 3/8"      | 3/8"    | 37 CFM                 | <b>DCP544</b> |

**Push-On Hose Barb Plugs**

| Body Size | Hose ID | Flow Rating at 100 PSI | Steel Part #   |
|-----------|---------|------------------------|----------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DCP142L</b> |
|           | 3/8"    | 37 CFM                 | <b>DCP144L</b> |
| 3/8"      | 3/8"    | 70 CFM                 | <b>DCP544L</b> |

## Air Chief Automotive Interchange Couplings

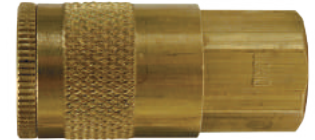
## Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- couplers are semi-automatic
- interchanges with popular makes of automotive quick-connect fittings such as Amflo, Dill, Milton and Truflate, some makes do not interchange with any others, if you plan to interchange these couplings make sure you have plug ends with the proper configuration

## Semi-Automatic

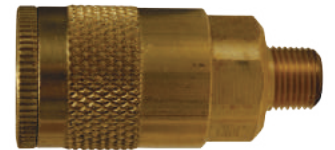
## Female Threaded Couplers

| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|-----------|------------|------------------------|--------------|--------------|
| 1/4"      | 1/8"       | 37 CFM                 | <b>DC221</b> | ---          |
|           | 1/4"       | 37 CFM                 | <b>DC2</b>   | ---          |
|           | 3/8"       | 37 CFM                 | <b>DC223</b> | ---          |
| 3/8"      | 1/4"       | 70 CFM                 | ---          | <b>DC8</b>   |
|           | 3/8"       | 70 CFM                 | ---          | <b>DC6</b>   |
|           | 1/2"       | 70 CFM                 | ---          | <b>DC624</b> |



## Male Threaded Couplers

| Body Size | Male NPT | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|-----------|----------|------------------------|--------------|--------------|
| 1/4"      | 1/8"     | 37 CFM                 | <b>DC101</b> | ---          |
|           | 1/4"     | 37 CFM                 | <b>DC1</b>   | ---          |
|           | 3/8"     | 37 CFM                 | <b>DC103</b> | ---          |
| 3/8"      | 1/4"     | 70 CFM                 | ---          | <b>DC7</b>   |
|           | 3/8"     | 70 CFM                 | ---          | <b>DC5</b>   |
|           | 1/2"     | 70 CFM                 | ---          | <b>DC504</b> |



F

## Standard Hose Barb Couplers

| Body Size | Hose ID | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|-----------|---------|------------------------|--------------|--------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC242</b> | ---          |
|           | 3/8"    | 37 CFM                 | <b>DC244</b> | ---          |
| 3/8"      | 3/8"    | 70 CFM                 | ---          | <b>DC644</b> |
|           | 1/2"    | 70 CFM                 | ---          | <b>DC645</b> |

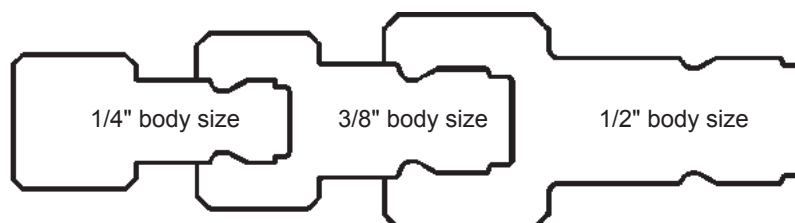


## Push-On Hose Barb Couplers

| Body Size | Hose ID | Flow Rating at 100 PSI | Brass Part #  | Steel Part #  |
|-----------|---------|------------------------|---------------|---------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC242L</b> | ---           |
|           | 3/8"    | 37 CFM                 | <b>DC244L</b> | ---           |
| 3/8"      | 3/8"    | 70 CFM                 | ---           | <b>DC644L</b> |



## Air Chief Automotive Actual Size Profile Charts



## Air Chief ARO Speed Interchange Couplings

## Features:

- pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**
- interchanges with ARO 210 and 310 designs
- couplers shut-off when disconnected



## Female Threaded Plugs

| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part #   |
|-----------|------------|------------------------|----------------|
| 1/4"      | 1/4"       | 37 CFM                 | <b>DCP38</b>   |
|           | 3/8"       | 37 CFM                 | <b>DCP3823</b> |
| 3/8"      | 3/8"       | 70 CFM                 | <b>DCP36</b>   |

## Male Threaded Plugs



| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part #   |
|-----------|----------|------------------------|----------------|
| 1/4"      | 1/4"     | 37 CFM                 | <b>DCP37</b>   |
|           | 3/8"     | 37 CFM                 | <b>DCP3703</b> |
| 3/8"      | 3/8"     | 70 CFM                 | <b>DCP35</b>   |

## Standard Hose Barb



| Body Size | Hose ID | Flow Rating at 100 PSI | Steel Part #   |
|-----------|---------|------------------------|----------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DCP3742</b> |

## Push-On Hose Barb



| Body Size | Hose ID | Flow Rating at 100 PSI | Steel Part #    |
|-----------|---------|------------------------|-----------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DCP3742L</b> |
|           | 3/8"    | 37 CFM                 | <b>DCP3744L</b> |

## Ball Swivel Plug

## Features:

- threaded portion is brass
- pressure rating: **250 PSI**



| Body Size | Male NPT | Part #           |
|-----------|----------|------------------|
| 1/4"      | 1/4"     | <b>DCP37SWIV</b> |

## Air Chief ARO Speed Interchange Couplings

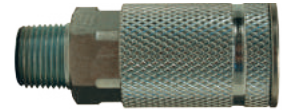
## Semi-Auto Female Threaded Couplers

| Body Size | Hose ID | Flow Rating at 100 PSI | Brass Part #  | Steel Part # |
|-----------|---------|------------------------|---------------|--------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC38</b>   | ---          |
|           | 3/8"    | 37 CFM                 | <b>DC3823</b> | ---          |
| 3/8"      | 3/8"    | 70 CFM                 | ---           | <b>DC36</b>  |



## Semi-Auto Male Threaded Couplers

| Body Size | Hose ID | Flow Rating at 100 PSI | Brass Part #  | Steel Part # |
|-----------|---------|------------------------|---------------|--------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC37</b>   | ---          |
|           | 3/8"    | 37 CFM                 | <b>DC3703</b> | ---          |
| 3/8"      | 3/8"    | 70 CFM                 | ---           | <b>DC35</b>  |



## Semi-Auto Standard Hose Barb Couplers

| Body Size | Hose ID | Flow Rating at 100 PSI | Steel Part #  |
|-----------|---------|------------------------|---------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC3842</b> |
|           | 3/8"    | 37 CFM                 | <b>DC3844</b> |

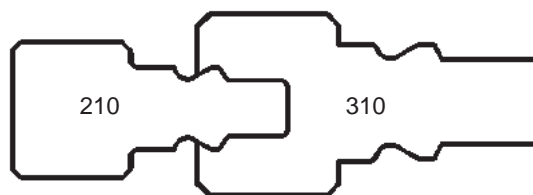


## Semi-Auto Push-On Hose Barb Couplers

| Body Size | Hose ID | Flow Rating at 100 PSI | Brass Part #   |
|-----------|---------|------------------------|----------------|
| 1/4"      | 1/4"    | 37 CFM                 | <b>DC3842L</b> |
|           | 3/8"    | 37 CFM                 | <b>DC3844L</b> |



## Air Chief ARO Actual Size Profile Charts



## Air Chief Lincoln Interchange Couplings

**Features:**

- interchangeable with the Lincoln Interchange long stem series
- pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**
- couplers shut-off when disconnected
- couplers are semi-automatic

**Female Threaded Plug**

| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part # |
|-----------|------------|------------------------|--------------|
| 1/4"      | 1/4"       | 37 CFM                 | <b>DCP28</b> |

**Male Threaded Plug**

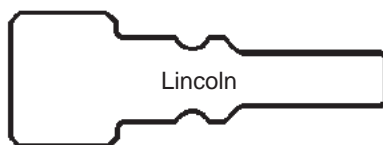
| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part # |
|-----------|----------|------------------------|--------------|
| 1/4"      | 1/4"     | 37 CFM                 | <b>DCP27</b> |

**Female Threaded Coupler**

| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # |
|-----------|------------|------------------------|--------------|
| 1/4"      | 1/4"       | 37 CFM                 | <b>DC28</b>  |

**Male Threaded Coupler**

| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # |
|-----------|------------|------------------------|--------------|
| 1/4"      | 1/4"       | 37 CFM                 | <b>DC27</b>  |

**Air Chief Lincoln Actual Size Profile Chart**

## DF-Series Industrial Pneumatic Couplings

## Features:

- pressure ratings: brass coupler / steel plug: **500 PSI**, brass coupler / brass plug: **300 PSI**, steel coupler / steel plug: **500 PSI**, 303 stainless steel coupler / 303 stainless steel plug: **500 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with other Industrial Interchange designs
- interchanges with the MIL-C-4109, A-A 59439, and ISO6150B standards

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety check valves and cables see pages 362 and 556.



## Female Threaded Plugs

| Body Size | Threads          | Brass           |               | Steel Part # | 303 Stainless Steel |               |
|-----------|------------------|-----------------|---------------|--------------|---------------------|---------------|
|           |                  | Previous Part # | Part #        |              | Previous Part #     | Part #        |
| 1/4"      | 1/8" - 27 NPTF   | ---             | ---           | <b>D2F1</b>  | ---                 | ---           |
|           | 1/4" - 18 NPTF   | DCP20B          | <b>D2F2-B</b> | <b>D2F2</b>  | DCP20S              | <b>D2F2-S</b> |
|           | 1/4" - 19 BSPP   | ---             | ---           | <b>D2BF2</b> | ---                 | ---           |
|           | 3/8" - 18 NPTF   | DCP203B         | <b>D2F3-B</b> | <b>D2F3</b>  | ---                 | <b>D2F3-S</b> |
|           | 3/8" - 19 BSPP   | ---             | ---           | <b>D2BF3</b> | ---                 | ---           |
| 3/8"      | 1/4" - 18 NPTF   | ---             | ---           | <b>D3F2</b>  | ---                 | ---           |
|           | 3/8" - 18 NPTF   | ---             | <b>D3F3-B</b> | <b>D3F3</b>  | DCP26S              | <b>D3F3-S</b> |
|           | 3/8" - 19 BSPP   | ---             | ---           | <b>D3BF3</b> | ---                 | ---           |
|           | 1/2" - 14 NPTF   | ---             | ---           | <b>D3F4</b>  | ---                 | ---           |
| 1/2"      | 3/8" - 18 NPTF   | ---             | ---           | <b>D4F3</b>  | ---                 | ---           |
|           | 1/2" - 14 NPTF   | ---             | <b>D4F4-B</b> | <b>D4F4</b>  | DCP18S              | <b>D4F4-S</b> |
|           | 1/2" - 14 BSPP   | ---             | ---           | <b>D4BF4</b> | ---                 | ---           |
|           | 3/4" - 14 NPTF   | ---             | <b>D4F6-B</b> | <b>D4F6</b>  | ---                 | ---           |
| 3/4"      | 1/2" - 14 NPTF   | ---             | ---           | <b>D6F4</b>  | ---                 | ---           |
|           | 3/4" - 14 NPTF   | ---             | ---           | <b>D6F6</b>  | ---                 | ---           |
|           | 1" - 11 1/2 NPTF | ---             | ---           | <b>D6F8</b>  | ---                 | ---           |



brass



steel



303 stainless

## Male Threaded Plugs

| Body Size | Threads          | Brass           |               | Steel Part # | 303 Stainless Steel |               |
|-----------|------------------|-----------------|---------------|--------------|---------------------|---------------|
|           |                  | Previous Part # | Part #        |              | Previous Part #     | Part #        |
| 1/4"      | 1/8" - 27 NPTF   | DCP2101B        | <b>D2M1-B</b> | <b>D2M1</b>  | ---                 | <b>D2M1-S</b> |
|           | 1/4" - 18 NPTF   | DCP21B          | <b>D2M2-B</b> | <b>D2M2</b>  | DCP21S              | <b>D2M2-S</b> |
|           | 1/4" - 19 BSPT   | ---             | ---           | <b>D2BM2</b> | ---                 | ---           |
|           | 3/8" - 18 NPTF   | DCP2103B        | <b>D2M3-B</b> | <b>D2M3</b>  | ---                 | <b>D2M3-S</b> |
|           | 3/8" - 19 BSPT   | ---             | ---           | <b>D2BM3</b> | ---                 | ---           |
| 3/8"      | 1/4" - 18 NPTF   | ---             | ---           | <b>D3M2</b>  | ---                 | ---           |
|           | 3/8" - 18 NPTF   | ---             | <b>D3M3-B</b> | <b>D3M3</b>  | DCP25S              | <b>D3M3-S</b> |
|           | 3/8" - 19 BSPT   | ---             | ---           | <b>D3BM3</b> | ---                 | ---           |
|           | 1/2" - 14 NPTF   | ---             | ---           | <b>D3M4</b>  | ---                 | ---           |
| 1/2"      | 1/4" - 18 NPTF   | ---             | ---           | <b>D4M2</b>  | ---                 | ---           |
|           | 3/8" - 18 NPTF   | ---             | ---           | <b>D4M3</b>  | ---                 | ---           |
|           | 1/2" - 14 NPTF   | ---             | <b>D4M4-B</b> | <b>D4M4</b>  | DCP17S              | <b>D4M4-S</b> |
|           | 1/2" - 14 BSPT   | ---             | ---           | <b>D4BM4</b> | ---                 | ---           |
| 3/4"      | 3/4" - 14 NPTF   | ---             | <b>D4M6-B</b> | <b>D4M6</b>  | ---                 | ---           |
|           | 1/2" - 14 NPTF   | ---             | ---           | <b>D6M4</b>  | ---                 | ---           |
|           | 3/4" - 14 NPTF   | ---             | ---           | <b>D6M6</b>  | ---                 | ---           |
|           | 1" - 11 1/2 NPTF | ---             | ---           | <b>D6M8</b>  | ---                 | ---           |



brass



steel



303 stainless



## DF-Series Industrial Pneumatic Couplings

Pneumatic Fittings



brass



steel



303 stainless

## Standard Hose Barb Plugs

| Body Size | Hose ID | Brass           |               | Steel           |               | 303 Stainless Steel |               |
|-----------|---------|-----------------|---------------|-----------------|---------------|---------------------|---------------|
|           |         | Previous Part # | Part #        | Previous Part # | Part #        | Previous Part #     | Part #        |
| 1/4"      | 1/4"    | DCP2142B        | <b>D2S2-B</b> | DCP2142         | <b>D2S2</b>   | DCP2142S            | <b>D2S2-S</b> |
|           | 5/16"   | ---             | ---           | ---             | <b>D2S2.5</b> | ---                 | ---           |
|           | 3/8"    | DCP2144B        | <b>D2S3-B</b> | ---             | <b>D2S3</b>   | ---                 | <b>D2S3-S</b> |
| 3/8"      | 1/4"    | ---             | ---           | DCP2542         | <b>D3S2</b>   | ---                 | ---           |
|           | 3/8"    | ---             | <b>D3S3-B</b> | DCP2544         | <b>D3S3</b>   | DCP2544S            | <b>D3S3-S</b> |
|           | 1/2"    | ---             | ---           | ---             | <b>D3S4</b>   | ---                 | ---           |
| 1/2"      | 3/8"    | ---             | <b>D4S3-B</b> | DCP1744         | <b>D4S3</b>   | ---                 | ---           |
|           | 1/2"    | ---             | <b>D4S4-B</b> | DCP1745         | <b>D4S4</b>   | DCP1745S            | <b>D4S4-S</b> |
|           | 3/4"    | ---             | <b>D4S6-B</b> | ---             | <b>D4S6</b>   | ---                 | ---           |
| 3/4"      | 1/2"    | ---             | ---           | ---             | <b>D6S4</b>   | ---                 | ---           |
|           | 3/4"    | ---             | ---           | ---             | <b>D6S6</b>   | ---                 | ---           |
|           | 1"      | ---             | ---           | ---             | <b>D6S8</b>   | ---                 | ---           |

## Automatic Female Threaded Couplers

| Body Size | Threads          | Brass           |                | 303 Stainless Steel |               |
|-----------|------------------|-----------------|----------------|---------------------|---------------|
|           |                  | Previous Part # | Part #         | Previous Part #     | Part #        |
| 1/4"      | 1/8" - 27 NPTF   | ---             | <b>2DF1-B</b>  | ---                 | ---           |
|           | 1/4" - 18 NPTF   | DCB20           | <b>2DF2-B</b>  | DCS20               | <b>2DF2-S</b> |
|           | 1/4" - 19 BSPP   | ---             | <b>2DBF2-B</b> | ---                 | ---           |
|           | 3/8" - 18 NPTF   | DCB2023         | <b>2DF3-B</b>  | ---                 | <b>2DF3-S</b> |
|           | 3/8" - 19 BSPP   | ---             | <b>2DBF3-B</b> | ---                 | ---           |
| 3/8"      | 1/4" - 18 NPTF   | DCB2622         | <b>3DF2-B</b>  | ---                 | ---           |
|           | 3/8" - 18 NPTF   | DCB26           | <b>3DF3-B</b>  | DCS26               | <b>3DF3-S</b> |
|           | 3/8" - 19 BSPP   | ---             | <b>3DBF3-B</b> | ---                 | ---           |
|           | 1/2" - 14 NPTF   | DCB2624         | <b>3DF4-B</b>  | ---                 | ---           |
| 1/2"      | 3/8" - 18 NPTF   | DCB1023         | <b>4DF3-B</b>  | ---                 | ---           |
|           | 1/2" - 14 NPTF   | DCB10           | <b>4DF4-B</b>  | DCS10               | <b>4DF4-S</b> |
|           | 1/2" - 14 BSPP   | ---             | <b>4DBF4-B</b> | ---                 | ---           |
|           | 3/4" - 14 NPTF   | DCB1026         | <b>4DF6-B</b>  | ---                 | ---           |
| 3/4"      | 1/2" - 14 NPTF   | ---             | <b>6DF4-B</b>  | ---                 | ---           |
|           | 3/4" - 14 NPTF   | ---             | <b>6DF6-B</b>  | ---                 | ---           |
|           | 1" - 11 1/2 NPTF | ---             | <b>6DF8-B</b>  | ---                 | ---           |

## Manual Female Threaded Couplers



brass



steel



303 stainless

| Body Size | Threads        | Brass Part #   | Steel Part # | 303 Stainless Steel |               |
|-----------|----------------|----------------|--------------|---------------------|---------------|
|           |                |                |              | Previous Part #     | Part #        |
| 1/4"      | 1/8" - 27 NPTF | <b>2FF1-B</b>  | ---          | ---                 | ---           |
|           | 1/8" - 28 BSPP | <b>2FBF1-B</b> | ---          | ---                 | ---           |
|           | 1/4" - 18 NPTF | <b>2FF2-B</b>  | <b>2FF2</b>  | DC20S               | <b>2FF2-S</b> |
|           | 1/4" - 19 BSPP | <b>2FBF2-B</b> | ---          | ---                 | ---           |
|           | 3/8" - 18 NPTF | <b>2FF3-B</b>  | ---          | ---                 | <b>2FF3-S</b> |
|           | 3/8" - 19 BSPP | <b>2FBF3-B</b> | ---          | ---                 | ---           |
| 3/8"      | 1/4" - 18 NPTF | ---            | <b>3FF2</b>  | ---                 | ---           |
|           | 3/8" - 18 NPTF | ---            | <b>3FF3</b>  | DC26S               | <b>3FF3-S</b> |
|           | 3/8" - 19 BSPP | ---            | <b>3FBF3</b> | ---                 | ---           |
|           | 1/2" - 14 NPTF | ---            | <b>3FF4</b>  | ---                 | ---           |
| 1/2"      | 3/8" - 18 NPTF | ---            | <b>4FF3</b>  | ---                 | ---           |
|           | 1/2" - 14 NPTF | ---            | <b>4FF4</b>  | DC10S               | <b>4FF4-S</b> |
|           | 1/2" - 14 BSPP | ---            | <b>4FBF4</b> | ---                 | ---           |
|           | 3/4" - 14 NPTF | ---            | <b>4FF6</b>  | ---                 | ---           |

## DF-Series Industrial Pneumatic Couplings

## Automatic Male Threaded Couplers

| Body Size | Threads          | Brass           |                | 303 Stainless Steel |               |
|-----------|------------------|-----------------|----------------|---------------------|---------------|
|           |                  | Previous Part # | Part #         | Previous Part #     | Part #        |
| 1/4"      | 1/8" - 27 NPTF   | ---             | <b>2DM1-B</b>  | ---                 | ---           |
|           | 1/4" - 18 NPTF   | DCB21           | <b>2DM2-B</b>  | DCS21               | <b>2DM2-S</b> |
|           | 1/4" - 19 BSPT   | ---             | <b>2DBM2-B</b> | ---                 | ---           |
|           | 3/8" - 18 NPTF   | DCB2103         | <b>2DM3-B</b>  | ---                 | <b>2DM3-S</b> |
|           | 3/8" - 19 BSPT   | ---             | <b>2DBM3-B</b> | ---                 | ---           |
| 3/8"      | 1/4" - 18 NPTF   | DCB2502         | <b>3DM2-B</b>  | ---                 | ---           |
|           | 3/8" - 18 NPTF   | DCB25           | <b>3DM3-B</b>  | DCS25               | <b>3DM3-S</b> |
|           | 3/8" - 19 BSPT   | ---             | <b>3DBM3-B</b> | ---                 | ---           |
|           | 1/2" - 14 NPTF   | DCB2504         | <b>3DM4-B</b>  | ---                 | ---           |
| 1/2"      | 3/8" - 18 NPTF   | DCB903          | <b>4DM3-B</b>  | ---                 | ---           |
|           | 1/2" - 14 NPTF   | DCB9            | <b>4DM4-B</b>  | DCS9                | <b>4DM4-S</b> |
|           | 1/2" - 14 BSPT   | ---             | <b>4DBM4-B</b> | ---                 | ---           |
|           | 3/4" - 14 NPTF   | DCB906          | <b>4DM6-B</b>  | ---                 | ---           |
| 3/4"      | 1/2" - 14 NPTF   | ---             | <b>6DM4-B</b>  | ---                 | ---           |
|           | 3/4" - 14 NPTF   | ---             | <b>6DM6-B</b>  | ---                 | ---           |
|           | 1" - 11 1/2 NPTF | ---             | <b>6DM8-B</b>  | ---                 | ---           |



brass



303 stainless

## Manual Male Threaded Couplers

| Body Size | Threads        | Brass Part #   | Steel Part # | 303 Stainless Steel |               |
|-----------|----------------|----------------|--------------|---------------------|---------------|
|           |                |                |              | Previous Part #     | Part #        |
| 1/4"      | 1/8" - 27 NPTF | <b>2FM1-B</b>  | ---          | ---                 | <b>2FM1-S</b> |
|           | 1/4" - 18 NPTF | <b>2FM2-B</b>  | <b>2FM2</b>  | DC21S               | <b>2FM2-S</b> |
|           | 1/4" - 19 BSPT | <b>2FBM2-B</b> | ---          | ---                 | ---           |
|           | 3/8" - 18 NPTF | <b>2FM3-B</b>  | ---          | ---                 | <b>2FM3-S</b> |
|           | 3/8" - 19 BSPT | <b>2FBM3-B</b> | ---          | ---                 | ---           |
| 3/8"      | 1/4" - 18 NPTF | ---            | <b>3FM2</b>  | ---                 | ---           |
|           | 3/8" - 18 NPTF | ---            | <b>3FM3</b>  | DC25S               | <b>3FM3-S</b> |
|           | 3/8" - 19 BSPT | ---            | <b>3FBM3</b> | ---                 | ---           |
|           | 1/2" - 14 NPTF | ---            | <b>3FM4</b>  | ---                 | ---           |
| 1/2"      | 3/8" - 18 NPTF | ---            | <b>4FM3</b>  | ---                 | ---           |
|           | 1/2" - 14 NPTF | ---            | <b>4FM4</b>  | DC9S                | <b>4FM4-S</b> |
|           | 1/2" - 14 BSPT | ---            | <b>4FBM4</b> | ---                 | ---           |
|           | 3/4" - 14 NPTF | ---            | <b>4FM6</b>  | ---                 | ---           |



brass



steel



303 stainless

## DF-Series Industrial Pneumatic Couplings



brass



303 stainless

## Automatic Standard Hose Barb Couplers

| Body Size | Hose ID | Brass           |               | 303 Stainless Steel |               |
|-----------|---------|-----------------|---------------|---------------------|---------------|
|           |         | Previous Part # | Part #        | Previous Part #     | Part #        |
| 1/4"      | 1/4"    | DCB2042         | <b>2DS2-B</b> | DCS2042             | <b>2DS2-S</b> |
|           | 3/8"    | DCB2044         | <b>2DS3-B</b> | ---                 | <b>2DS3-S</b> |
| 3/8"      | 1/4"    | DCB2642         | <b>3DS2-B</b> | ---                 | ---           |
|           | 3/8"    | DCB2644         | <b>3DS3-B</b> | DCS2644             | <b>3DS3-S</b> |
|           | 1/2"    | DCB2645         | <b>3DS4-B</b> | ---                 | ---           |
| 1/2"      | 3/8"    | DCB1044         | <b>4DS3-B</b> | ---                 | ---           |
|           | 1/2"    | DCB1045         | <b>4DS4-B</b> | DCS1045             | <b>4DS4-S</b> |
|           | 3/4"    | DCB1046         | <b>4DS6-B</b> | ---                 | ---           |
| 3/4"      | 1/2"    | ---             | <b>6DS4-B</b> | ---                 | ---           |
|           | 3/4"    | ---             | <b>6DS6-B</b> | ---                 | ---           |
|           | 1"      | ---             | <b>6DS8-B</b> | ---                 | ---           |

## Manual Standard Hose Barb Couplers



brass



steel



303 stainless

| Body Size | Hose ID | Brass Part #    | Previous Part # | Steel Part # | 303 Stainless Steel |               |
|-----------|---------|-----------------|-----------------|--------------|---------------------|---------------|
|           |         |                 |                 |              | Previous Part #     | Part #        |
| 1/4"      | 1/4"    | <b>2FS2-B</b>   | ---             | <b>2FS2</b>  | DC2042S             | <b>2FS2-S</b> |
|           | 5/16"   | <b>2FS2.5-B</b> | ---             | ---          | ---                 | ---           |
|           | 3/8"    | <b>2FS3-B</b>   | ---             | ---          | ---                 | <b>2FS3-S</b> |
| 3/8"      | 1/4"    | ---             | DC2642          | <b>3FS2</b>  | ---                 | ---           |
|           | 3/8"    | ---             | ---             | <b>3FS3</b>  | DC2644S             | <b>3FS3-S</b> |
|           | 1/2"    | ---             | ---             | <b>3FS4</b>  | ---                 | ---           |
| 1/2"      | 3/8"    | ---             | ---             | <b>4FS3</b>  | ---                 | ---           |
|           | 1/2"    | ---             | ---             | <b>4FS4</b>  | DC1045S             | <b>4FS4-S</b> |
|           | 3/4"    | ---             | ---             | <b>4FS6</b>  | ---                 | ---           |

## DF-Series Industrial Pneumatic Couplings

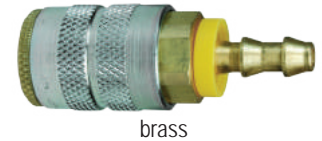
## Automatic Push-Loc Barb Couplers

| Body Size | Hose ID | Brass Part #  |
|-----------|---------|---------------|
| 1/4"      | 1/4"    | <b>2DB2-B</b> |
|           | 3/8"    | <b>2DB3-B</b> |
| 3/8"      | 3/8"    | <b>3DB3-B</b> |
| 1/2"      | 1/2"    | <b>4DB4-B</b> |



## Manual Push-Loc Barb Couplers

| Body Size | Hose ID | Brass Part #  | Steel Part # |
|-----------|---------|---------------|--------------|
| 1/4"      | 1/4"    | <b>2FB2-B</b> | ---          |
|           | 3/8"    | <b>2FB3-B</b> | ---          |
| 3/8"      | 1/4"    | ---           | <b>3FB2</b>  |
|           | 3/8"    | ---           | <b>3FB3</b>  |
|           | 1/2"    | ---           | <b>3FB4</b>  |
| 1/2"      | 3/8"    | ---           | <b>4FB3</b>  |
|           | 1/2"    | ---           | <b>4FB4</b>  |



brass



steel

## Push-Loc Hose Barb Plugs

| Body Size | Hose ID | Brass Part #  | Steel           |             |
|-----------|---------|---------------|-----------------|-------------|
|           |         |               | Previous Part # | Part #      |
| 1/4"      | 1/4"    | <b>D2B2-B</b> | DCP2142L        | <b>D2B2</b> |
|           | 3/8"    | ---           | ---             | <b>D2B3</b> |
| 3/8"      | 1/4"    | ---           | ---             | <b>D3B2</b> |
|           | 3/8"    | ---           | DCP2544L        | <b>D3B3</b> |
|           | 1/2"    | ---           | ---             | <b>D3B4</b> |
| 1/2"      | 1/2"    | ---           | ---             | <b>D4B4</b> |
| 3/4"      | 3/4"    | ---           | ---             | <b>D6B6</b> |



brass



steel

## Automatic Reusable Barb Couplers

| Body Size | Hose ID X OD  | Brass Part #  |
|-----------|---------------|---------------|
| 1/4"      | 1/4" x 1/2"   | <b>2DE2-B</b> |
|           | 1/4" x 5/8"   | <b>2DH2-B</b> |
|           | 3/8" x 11/16" | <b>2DK3-B</b> |
|           | 3/8" x 3/4"   | <b>2DL3-B</b> |

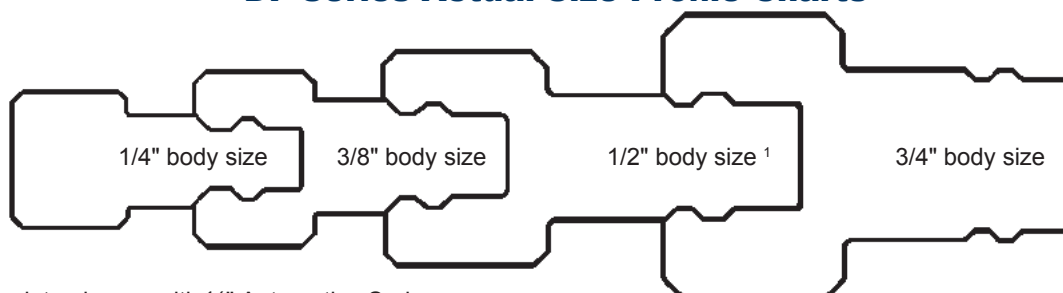


## Reusable Barb Plugs

| Body Size | Hose ID X OD  | Steel Part # |
|-----------|---------------|--------------|
| 1/4"      | 1/4" x 1/2"   | <b>D2E2</b>  |
|           | 1/4" x 5/8"   | <b>D2H2</b>  |
|           | 3/8" x 11/16" | <b>D2K3</b>  |
|           | 3/8" x 3/4"   | <b>D2L3</b>  |




## DF-Series Actual Size Profile Charts

<sup>1</sup> 1/2" may also interchange with 1/2" Automotive Series

## J-Series Automotive Pneumatic Couplings

**Features:**

- pressure rating: Brass Coupler/Steel Plug and Steel Coupler/Steel Plug: **500 PSI**, Brass Coupler/Brass Plug: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with other Truflate Automotive designs

Operating pressure for couplings utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon® cannot assume liability for misapplication of production resulting in equipment down-time, lost production, and/or personal injury including death. 



brass



steel

**Female Threaded Plugs**

| Body Size | Threads        | Brass Part #  | Steel Part # |
|-----------|----------------|---------------|--------------|
| 1/4"      | 1/8" - 27 NPTF | ---           | <b>J2F1</b>  |
|           | 1/4" - 18 NPTF | <b>J2F2-B</b> | <b>J2F2</b>  |
|           | 3/8" - 18 NPTF | ---           | <b>J2F3</b>  |
| 3/8"      | 1/4" - 18 NPTF | ---           | <b>J3F2</b>  |
|           | 3/8" - 18 NPTF | ---           | <b>J3F3</b>  |
|           | 1/2" - 14 NPTF | ---           | <b>J3F4</b>  |
| 1/2"      | 3/8" - 18 NPTF | ---           | <b>J4F3</b>  |
|           | 1/2" - 14 NPTF | ---           | <b>J4F4</b>  |
|           | 3/4" - 14 NPTF | ---           | <b>J4F6</b>  |

**Male Threaded Plugs**

brass



steel

| Body Size | Threads        | Brass Part #  | Steel Part # |
|-----------|----------------|---------------|--------------|
| 1/4"      | 1/8" - 27 NPTF | ---           | <b>J2M1</b>  |
|           | 1/4" - 18 NPTF | <b>J2M2-B</b> | <b>J2M2</b>  |
|           | 3/8" - 18 NPTF | ---           | <b>J2M3</b>  |
| 3/8"      | 1/4" - 18 NPTF | ---           | <b>J3M2</b>  |
|           | 3/8" - 18 NPTF | ---           | <b>J3M3</b>  |
|           | 1/2" - 14 NPTF | ---           | <b>J3M4</b>  |
| 1/2"      | 3/8" - 18 NPTF | ---           | <b>J4M3</b>  |
|           | 1/2" - 14 NPTF | ---           | <b>J4M4</b>  |
|           | 3/4" - 14 NPTF | ---           | <b>J4M6</b>  |

**Standard Hose Barb Plugs**

| Body Size | Hose ID | Steel           |             |
|-----------|---------|-----------------|-------------|
|           |         | Previous Part # | Part #      |
| 1/4"      | 1/4"    | ---             | <b>J2S2</b> |
|           | 3/8"    | ---             | <b>J2S3</b> |
| 3/8"      | 1/4"    | DCP542          | <b>J3S2</b> |
|           | 3/8"    | ---             | <b>J3S3</b> |
|           | 1/2"    | ---             | <b>J3S4</b> |
| 1/2"      | 3/8"    | ---             | <b>J4S3</b> |
|           | 1/2"    | ---             | <b>J4S4</b> |
|           | 3/4"    | ---             | <b>J4S6</b> |

## J-Series Automotive Pneumatic Couplings

## Female Threaded Couplers

| Body Size | Threads        | Brass Part #  | Steel Part # |
|-----------|----------------|---------------|--------------|
| 1/4"      | 1/8" - 27 NPTF | <b>2JF1-B</b> | ---          |
|           | 1/4" - 18 NPTF | <b>2JF2-B</b> | ---          |
|           | 3/8" - 18 NPTF | <b>2JF3-B</b> | ---          |
| 3/8"      | 1/4" - 18 NPTF | ---           | <b>3JF2</b>  |
|           | 3/8" - 18 NPTF | ---           | <b>3JF3</b>  |
|           | 1/2" - 14 NPTF | ---           | <b>3JF4</b>  |

- 1/2" body J-Series plugs are used with 1/2" body DF-Series Manual couplers on page 312



brass

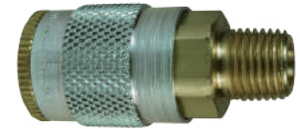


steel

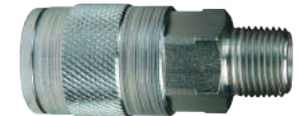
## Male Threaded Couplers

| Body Size | Threads        | Brass Part #  | Steel Part # |
|-----------|----------------|---------------|--------------|
| 1/4"      | 1/8" - 27 NPTF | <b>2JM1-B</b> | ---          |
|           | 1/4" - 18 NPTF | <b>2JM2-B</b> | ---          |
|           | 3/8" - 18 NPTF | <b>2JM3-B</b> | ---          |
| 3/8"      | 1/4" - 18 NPTF | ---           | <b>3JM2</b>  |
|           | 3/8" - 18 NPTF | ---           | <b>3JM3</b>  |
|           | 1/2" - 14 NPTF | ---           | <b>3JM4</b>  |

- 1/2" body J-Series plugs are used with 1/2" body DF-Series Manual couplers on page 313



brass



steel

## Standard Hose Barb Couplers

| Body Size | Hose ID | Brass Part #  | Steel Part # |
|-----------|---------|---------------|--------------|
| 1/4"      | 1/4"    | <b>2JS2-B</b> | ---          |
|           | 3/8"    | <b>2JS3-B</b> | ---          |
| 3/8"      | 1/4"    | ---           | <b>3JS2</b>  |
|           | 3/8"    | ---           | <b>3JS3</b>  |
|           | 1/2"    | ---           | <b>3JS4</b>  |

- 1/2" body J-Series plugs are used with 1/2" body DF-Series Manual couplers on page 314



brass



steel

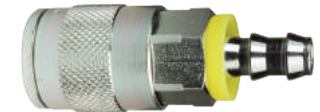
## Push-Loc Hose Barb Couplers

| Body Size | Hose ID | Brass Part #  | Steel Part # |
|-----------|---------|---------------|--------------|
| 1/4"      | 1/4"    | <b>2JB2-B</b> | ---          |
|           | 3/8"    | <b>2JB3-B</b> | ---          |
| 3/8"      | 1/4"    | ---           | <b>3JB2</b>  |
|           | 3/8"    | ---           | <b>3JB3</b>  |
|           | 1/2"    | ---           | <b>3JB4</b>  |

- 1/2" body J-Series plugs are used with 1/2" body DF-Series Manual couplers on page 315



brass



steel

## Push-Loc Hose Barb Plugs

| Body Size | Hose ID | Steel Part # |
|-----------|---------|--------------|
| 1/4"      | 1/4"    | <b>J2B2</b>  |
|           | 3/8"    | <b>J2B3</b>  |
| 3/8"      | 3/8"    | <b>J3B3</b>  |
| 1/2"      | 1/2"    | <b>J4B4</b>  |






## M-Series ARO Pneumatic Couplings

## Features:

- pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**
- automatic couplings interchanges with ARO 210/310 designs and Hansen Series 210/310
- manual couplings interchange with Parker 50-Series and Amflo Type 'B'

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety check valves and cables see pages 362 and 556. 

## Female Threaded Plugs



brass



steel

| Body Size | Threads        | Brass Part #  | Steel Part # |
|-----------|----------------|---------------|--------------|
| 1/4"      | 1/4" - 18 NPTF | <b>M2F2-B</b> | <b>M2F2</b>  |
|           | 3/8" - 18 NPTF | ---           | <b>M2F3</b>  |
| 3/8"      | 3/8" - 18 NPTF | ---           | <b>M3F3</b>  |

## Male Threaded Plugs



brass



steel

| Body Size | Threads        | Brass Part #  | Steel Part # |
|-----------|----------------|---------------|--------------|
| 1/4"      | 1/8" - 27 NPTF | ---           | <b>M2M1</b>  |
|           | 1/4" - 18 NPTF | <b>M2M2-B</b> | <b>M2M2</b>  |
|           | 3/8" - 18 NPTF | ---           | <b>M2M3</b>  |
| 3/8"      | 3/8" - 18 NPTF | ---           | <b>M3M3</b>  |

## Standard Hose Barb Plugs



| Body Size | Hose ID | Previous Part # | Steel       |
|-----------|---------|-----------------|-------------|
|           |         |                 | Part #      |
| 1/4"      | 1/4"    | ---             | <b>M2S2</b> |
|           | 3/8"    | DCP3744         | <b>M2S3</b> |
| 3/8"      | 3/8"    | ---             | <b>M3S3</b> |

## Automatic Female Threaded Couplers



| Body Size | Threads       | Steel / Brass Part # |
|-----------|---------------|----------------------|
| 1/4"      | 1/4" - 18 NPT | <b>2MF2-PL</b>       |
|           | 3/8" - 18 NPT | <b>2MF3-PL</b>       |
| 3/8"      | 3/8" - 18 NPT | <b>3MF3-PL</b>       |

## Manual Female Threaded Couplers



| Body Size | Threads       | Brass Part #  |
|-----------|---------------|---------------|
| 1/4"      | 1/4" - 18 NPT | <b>2MF2-B</b> |
|           | 3/8" - 18 NPT | <b>2MF3-B</b> |

## M-Series ARO Pneumatic Couplings

## Automatic Male Threaded Couplers

| Body Size | Threads        | Steel / Brass Part # |
|-----------|----------------|----------------------|
| 1/4"      | 1/4" - 18 NPT  | <b>2MM2-PL</b>       |
|           | 3/8" - 18 NPT  | <b>2MM3-PL</b>       |
| 3/8"      | 3/8" - 18 NPT  | <b>3MM3-PL</b>       |
|           | 1/2" - 14 NPTF | <b>3MM4-PL</b>       |



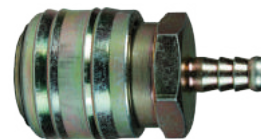
## Manual Male Threaded Couplers

| Body Size | Threads       | Brass Part #  |
|-----------|---------------|---------------|
| 1/4"      | 1/4" - 18 NPT | <b>2MM2-B</b> |
|           | 3/8" - 18 NPT | <b>2MM3-B</b> |



## Automatic Standard Hose Barb Couplers

| Body Size | Hose ID | Steel / Brass Part # |
|-----------|---------|----------------------|
| 1/4"      | 1/4"    | <b>2MS2-PL</b>       |
|           | 5/16"   | <b>2MS2.5-PL</b>     |
|           | 3/8"    | <b>2MS3-PL</b>       |
| 3/8"      | 3/8"    | <b>3MS3-PL</b>       |



## Manual Standard Hose Barb Couplers

| Body Size | Hose ID | Brass Part #  |
|-----------|---------|---------------|
| 1/4"      | 1/4"    | <b>2MS2-B</b> |
|           | 3/8"    | <b>2MS3-B</b> |



## Push-Loc Barb Plug

| Body Size | Hose ID | Steel Part # |
|-----------|---------|--------------|
| 1/4"      | 1/4"    | <b>M2B2</b>  |



## CJ-Series Pneumatic Couplings

## Features:

- European High-Flow Interchange
- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 112°C)**
- 1/4" interchanges with Coilhose Megaflow, CEJN 320, and Rectus 25KA/26KA;
- 3/8" interchanges with Rectus 27KA and CEJN 410

## Female Threaded Plugs



brass



steel

| Body Size | Threads        | Brass Part #    | Steel Part #     |
|-----------|----------------|-----------------|------------------|
| 1/4"      | 1/4" - 18 NPT  | <b>CJ2F2-B</b>  | <b>CJ2F2-LG</b>  |
|           | 1/4" - 19 BSPP | <b>CJ2BF2-B</b> | <b>CJ2BF2-LG</b> |
|           | 3/8" - 18 NPT  | <b>CJ2F3-B</b>  | <b>CJ2F3-LG</b>  |
|           | 3/8" - 19 BSPP | <b>CJ2BF3-B</b> | <b>CJ2BF3-LG</b> |
| 3/8"      | 3/8" - 18 NPT  | <b>CJ3F3-B</b>  | <b>CJ3F3</b>     |
|           | 3/8" - 19 BSPP | <b>CJ3BF3-B</b> | <b>CJ3BF3</b>    |
|           | 1/2" - 14 NPT  | <b>CJ3F4-B</b>  | ---              |
|           | 1/2" - 14 BSPP | <b>CJ3BF4-B</b> | <b>CJ3BF4</b>    |

## Male Threaded Plugs



brass



steel

| Body Size | Threads        | Previous Part # | Brass           | Steel Part #     |
|-----------|----------------|-----------------|-----------------|------------------|
|           |                |                 | Part #          |                  |
| 1/4"      | 1/4" - 18 NPT  | DCP41           | <b>CJ2M2-B</b>  | <b>CJ2M2-LG</b>  |
|           | 1/4" - 19 BSPT | ---             | <b>CJ2BM2-B</b> | <b>CJ2BM2-LG</b> |
|           | 3/8" - 18 NPT  | ---             | <b>CJ2M3-B</b>  | <b>CJ2M3-LG</b>  |
|           | 3/8" - 19 BSPT | ---             | <b>CJ2BM3-B</b> | <b>CJ2BM3-LG</b> |
| 3/8"      | 3/8" - 18 NPT  | ---             | <b>CJ3M3-B</b>  | <b>CJ3M3</b>     |
|           | 3/8" - 19 BSPT | ---             | <b>CJ3BM3-B</b> | <b>CJ3BM3</b>    |
|           | 1/2" - 14 NPT  | ---             | <b>CJ3M4-B</b>  | <b>CJ3M4</b>     |
|           | 1/2" - 14 BSPT | ---             | <b>CJ3BM4-B</b> | <b>CJ3BM4</b>    |

## Female Threaded Couplers



| Body Size | Threads        | Previous Part # | Brass           |
|-----------|----------------|-----------------|-----------------|
|           |                |                 | Part #          |
| 1/4"      | 1/4" - 18 NPT  | DC41            | <b>2CJF2-B</b>  |
|           | 1/4" - 19 BSPP | ---             | <b>2CJBF2-B</b> |
|           | 3/8" - 18 NPT  | ---             | <b>2CJF3-B</b>  |
|           | 3/8" - 19 BSPP | ---             | <b>2CJBF3-B</b> |
| 3/8"      | 3/8" - 18 NPT  | ---             | <b>3CJF3-B</b>  |
|           | 3/8" - 19 BSPP | ---             | <b>3CJBF3-B</b> |
|           | 1/2" - 14 NPT  | ---             | <b>3CJF4-B</b>  |
|           | 1/2" - 14 BSPP | ---             | <b>3CJBF4-B</b> |

## Male Threaded Couplers




| Body Size | Threads        | Brass Part #    |
|-----------|----------------|-----------------|
| 1/4"      | 1/4" - 18 NPT  | <b>2CJM2-B</b>  |
|           | 1/4" - 19 BSPT | <b>2CJBM2-B</b> |
|           | 3/8" - 18 NPT  | <b>2CJM3-B</b>  |
|           | 3/8" - 19 BSPT | <b>2CJBM3-B</b> |
| 3/8"      | 3/8" - 18 NPT  | <b>3CJM3-B</b>  |
|           | 3/8" - 19 BSPT | <b>3CJBM3-B</b> |
|           | 1/2" - 14 NPT  | <b>3CJM4-B</b>  |
|           | 1/2" - 14 BSPT | <b>3CJBM4-B</b> |

## SHD-Series Schrader Pneumatic Couplings

## Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 112°C)**
- interchanges with Parker Twist-Lock, Tomco Series-TL, Foster SHD

Operating pressure for couplings utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon Quick Coupling cannot assume liability for misapplication of production resulting in equipment down-time, lost production, and/or personal injury including death. 

## Female Threaded Plugs

| Body Size | Threads       | Steel Part #  |
|-----------|---------------|---------------|
| 1/4"      | 1/8" - 27 NPT | <b>SHD2F1</b> |
|           | 1/4" - 18 NPT | <b>SHD2F2</b> |
| 1/2"      | 3/8" - 18 NPT | <b>SHD4F3</b> |



## Male Threaded Plugs

| Body Size | Threads       | Steel Part #  |
|-----------|---------------|---------------|
| 1/4"      | 1/8" - 27 NPT | <b>SHD2M1</b> |
|           | 1/4" - 18 NPT | <b>SHD2M2</b> |
| 1/2"      | 3/8" - 18 NPT | <b>SHD4M3</b> |
|           | 1/2" - 14 NPT | <b>SHD4M4</b> |



## Female Threaded Couplers

| Body Size | Threads       | Aluminum Part # |
|-----------|---------------|-----------------|
| 1/4"      | 1/4" - 18 NPT | <b>2SHDF2</b>   |
|           | 3/8" - 18 NPT | <b>2SHDF3</b>   |
| 1/2"      | 3/8" - 18 NPT | <b>4SHDF3</b>   |
|           | 1/2" - 14 NPT | <b>4SHDF4</b>   |
|           | 3/4" - 14 NPT | <b>4SHDF6</b>   |



## Male Threaded Couplers

| Body Size | Threads       | Aluminum Part # |
|-----------|---------------|-----------------|
| 1/4"      | 1/4" - 18 NPT | <b>2SHDM2</b>   |
|           | 3/8" - 18 NPT | <b>2SHDM3</b>   |
| 1/2"      | 3/8" - 18 NPT | <b>4SHDM3</b>   |
|           | 1/2" - 14 NPT | <b>4SHDM4</b>   |



## SHD-Series Schrader Pneumatic Couplings

## Standard Hose Barb Plugs



| Body Size | Hose ID | Steel Part #  |
|-----------|---------|---------------|
| 1/4"      | 1/4"    | <b>SHD2S2</b> |
|           | 3/8"    | <b>SHD2S3</b> |
| 1/2"      | 3/8"    | <b>SHD4S3</b> |
|           | 1/2"    | <b>SHD4S4</b> |

## Standard Hose Barb Couplers




| Body Size | Hose ID | Aluminum Part # |
|-----------|---------|-----------------|
| 1/4"      | 1/4"    | <b>2SHDS2</b>   |
|           | 3/8"    | <b>2SHDS3</b>   |
| 1/2"      | 3/8"    | <b>4SHDS3</b>   |
|           | 1/2"    | <b>4SHDS4</b>   |

## L-Series Lincoln Pneumatic Couplings

## Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 112°C)**
- Lincoln Long-Nose Automotive Interchange
- interchanges with Parker 70-Series, Tomco Series-1110, Coilhose Type-17

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety check valves and cables see pages 362 and 556. 

## Female Threaded Plug



| Body Size | Threads       | Steel Part # |
|-----------|---------------|--------------|
| 1/4"      | 1/4" - 18 NPT | <b>L2F2</b>  |

## Male Threaded Plug



| Body Size | Threads       | Steel Part # |
|-----------|---------------|--------------|
| 1/4"      | 1/4" - 18 NPT | <b>L2M2</b>  |

## Female Threaded Coupler



| Body Size | Threads       | Brass Part #  |
|-----------|---------------|---------------|
| 1/4"      | 1/4" - 18 NPT | <b>2LF2-B</b> |


## Male Threaded Coupler



| Body Size | Threads       | Brass Part #  |
|-----------|---------------|---------------|
| 1/4"      | 1/4" - 18 NPT | <b>2LM2-B</b> |

## U-Series Universal Pneumatic Couplings

## Features:

- temperature range: **-40°F to 250°F (-40°C to 112°C)**
- couplers are automatic
- 2U-Series 6-in-1 (ARO 210, Industrial, Truflate, Lincoln, Italian, and CEJN 320)
- 3U-Series 4-in-1 (ARO 310, Industrial, Truflate, and CEJN 410)
- Parker UC-Series, Hansen Auto-Flo 23, and Tomco Series UC
- Although the universal coupler permits multiple series nipples to mate with one coupler, it is recommended to match like series couplers and nipples. When using a Universal coupler, the lower performance rating between the coupler and nipple must take precedence.
- Some pneumatic applications require the pressurized air to be 'dried' to ensure proper operation of equipment and/or application of product (ie. auto body shops). It is best to match like series couplers and nipples in these applications. If it is necessary to use a Universal coupler, lube the seal and valve area regularly to ensure reliable service.
- for air service only 

## Female Threaded Couplers

| Body Size | Threads       | Brass Part #  |
|-----------|---------------|---------------|
| 1/4"      | 1/4" - 18 NPT | <b>2UF2-B</b> |
|           | 3/8" - 18 NPT | <b>2UF3-B</b> |
| 3/8"      | 3/8" - 18 NPT | <b>3UF3-B</b> |



## Male Threaded Couplers

| Body Size | Threads       | Brass Part #  |
|-----------|---------------|---------------|
| 1/4"      | 1/4" - 18 NPT | <b>2UM2-B</b> |
|           | 3/8" - 18 NPT | <b>2UM3-B</b> |
| 3/8"      | 3/8" - 18 NPT | <b>3UM3-B</b> |



## Standard Hose Barb Couplers

| Body Size | Hose ID | Brass Part #  |
|-----------|---------|---------------|
| 1/4"      | 1/4"    | <b>2US2-B</b> |
|           | 3/8"    | <b>2US3-B</b> |
| 3/8"      | 3/8"    | <b>3US3-B</b> |



## Push-On Hose Barb Couplers

| Body Size | Hose ID | Brass Part #  |
|-----------|---------|---------------|
| 1/4"      | 1/4"    | <b>2UB2-B</b> |
|           | 3/8"    | <b>2UB3-B</b> |





## NK-Series Japanese Pneumatic Couplings

**Features:**

- Japanese Industrial Interchange Pneumatic Coupling
- Interchanges with Nitto Kohki Hi-Cupla 200, Rectus Series 13, and CEJN Series 315
- Nitrile (Buna-N) seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**
- pressure rating: **300 PSI**

**Female Threaded Plugs**

| Body Size | Threads                        | Steel Part #                  |
|-----------|--------------------------------|-------------------------------|
| 1/4"      | 1/4" - 18 NPT<br>1/4" -19 BSPP | <b>NK2F2</b><br><b>NK2BF2</b> |

**Male Threaded Plugs**

| Body Size | Threads                        | Steel Part #                  |
|-----------|--------------------------------|-------------------------------|
| 1/4"      | 1/4" - 18 NPT<br>1/4" -19 BSPP | <b>NK2M2</b><br><b>NK2BM2</b> |

**Hose Barb Plug**

| Body Size | Hose ID | Steel Part # |
|-----------|---------|--------------|
| 1/4"      | 1/4"    | <b>NK2S2</b> |

**Female Threaded Couplers**

| Body Size | Threads                        | Steel Part #                  |
|-----------|--------------------------------|-------------------------------|
| 1/4"      | 1/4" - 18 NPT<br>1/4" -19 BSPP | <b>2NKF2</b><br><b>2NKBf2</b> |

**Male Threaded Couplers**

| Body Size | Threads                        | Steel Part #                  |
|-----------|--------------------------------|-------------------------------|
| 1/4"      | 1/4" - 18 NPT<br>1/4" -19 BSPP | <b>2NKM2</b><br><b>2NKBm2</b> |

**Hose Barb Coupler**

| Body Size | Hose ID | Steel Part # |
|-----------|---------|--------------|
| 1/4"      | 1/4"    | <b>2NKS2</b> |

## BR-Series Pneumatic Couplings

## Features:

- Interchange data: Rectus 21KA, Tomco Series SC, CEJN Series 223
- Nitrile (Buna-N) seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**
- pressure rating: **300 PSI**

## Female Threaded Plugs

| Body Size | Threads        | Brass Part #        |
|-----------|----------------|---------------------|
| 1/8"      | 1/8" - 27 NPT  | <b>BR1F1-B-E-7</b>  |
|           | 1/8" - 28 BSPP | <b>BR1BF1-B-E-7</b> |
|           | 1/4" - 18 NPT  | <b>BR1F2-B-E-7</b>  |
|           | 1/4" - 19 BSPP | <b>BR1BF2-B-E-7</b> |



## Male Threaded Plugs

| Body Size | Threads        | Brass Part #        |
|-----------|----------------|---------------------|
| 1/8"      | 1/8" - 27 NPT  | <b>BR1M1-B-E-7</b>  |
|           | 1/8" - 28 BSPP | <b>BR1GM1-B-E-7</b> |
|           | 1/4" - 18 NPT  | <b>BR1M2-B-E-7</b>  |
|           | 1/4" - 19 BSPP | <b>BR1GM2-B-E-7</b> |



## Female Threaded Couplers

| Body Size | Threads        | Brass Part #      |
|-----------|----------------|-------------------|
| 1/8"      | 1/8" - 27 NPT  | <b>1BRF1-B-7</b>  |
|           | 1/8" - 28 BSPP | <b>1BRBF1-B-7</b> |
|           | 1/4" - 18 NPT  | <b>1BRF2-B-7</b>  |
|           | 1/4" - 19 BSPP | <b>1BRBF2-B-7</b> |



## Male Threaded Couplers

| Body Size | Threads        | Brass Part #      |
|-----------|----------------|-------------------|
| 1/8"      | 1/8" - 27 NPT  | <b>1BRM1-B-7</b>  |
|           | 1/8" - 28 BSPP | <b>1BRGM1-B-7</b> |
|           | 1/4" - 18 NPT  | <b>1BRM2-B-7</b>  |
|           | 1/4" - 19 BSPP | <b>1BRGM2-B-7</b> |



## Hose Barb Plugs

| Body Size | Hose ID | Brass Part #          |
|-----------|---------|-----------------------|
| 1/8"      | 4mm     | <b>BR1S1.25-B-E-7</b> |
|           | 6mm     | <b>BR1S1.86-B-E-7</b> |
|           | 9mm     | <b>BR1S2.83-B-E-7</b> |



## Hose Barb Couplers

| Body Size | Hose ID | Brass Part #        |
|-----------|---------|---------------------|
| 1/8"      | 4mm     | <b>1BRS1.25-B-7</b> |
|           | 6mm     | <b>1BRS1.86-B-7</b> |
|           | 9mm     | <b>1BRS2.83-B-7</b> |



## A-Series Pneumatic Couplings

## Features:

- Interchange data: Dixon Quick Coupling Proprietary Astronautics
- Nitrile (Buna-N) seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**

## Female Threaded Plugs



brass



steel

| Body Size | Threads        | Brass Part #  | Steel Part # |
|-----------|----------------|---------------|--------------|
| 1/8"      | 1/8" - 27 NPTF | <b>A1F1-B</b> | ---          |
| 1/4"      | 1/8" - 27 NPTF | <b>A2F1-B</b> | ---          |
|           | 1/4" - 18 NPTF | <b>A2F2-B</b> | <b>A2F2</b>  |

## Male Threaded Plugs



brass



steel

| Body Size | Threads        | Brass Part #  | Steel Part # |
|-----------|----------------|---------------|--------------|
| 1/8"      | 1/8" - 27 NPTF | <b>A1M1-B</b> | ---          |
| 1/4"      | 1/4" - 18 NPTF | <b>A2M2-B</b> | <b>A2M2</b>  |

## Hose Barb Plugs



brass



steel

| Body Size | Hose ID | Brass Part #  | Steel Part # |
|-----------|---------|---------------|--------------|
| 1/8"      | 1/8"    | <b>A1S1-B</b> | ---          |
| 1/4"      | 1/4"    | ---           | <b>A2S2</b>  |

## Female Threaded Couplers



| Body Size | Threads        | Brass Part #  |
|-----------|----------------|---------------|
| 1/8"      | 1/8" - 27 NPTF | <b>1AF1-B</b> |
| 1/4"      | 1/8" - 27 NPTF | <b>2AF1-B</b> |
|           | 1/4" - 18 NPTF | <b>2AF2-B</b> |

## Male Threaded Couplers



| Body Size | Threads        | Brass Part #  |
|-----------|----------------|---------------|
| 1/8"      | 1/8" - 27 NPTF | <b>1AM1-B</b> |
| 1/4"      | 1/8" - 27 NPTF | <b>2AM1-B</b> |
|           | 1/4" - 18 NPTF | <b>2AM2-B</b> |

A-Series Pneumatic Couplings

Hose Barb Couplers

| Body Size | Hose ID | Brass Part # |
|-----------|---------|--------------|
| 1/8"      | 1/8"    | 1AS1-B       |
| 1/4"      | 1/4"    | 2AS2-B       |



Reusable Barb Plugs

| Body Size | Hose ID     | Brass Part # | Steel Part # |
|-----------|-------------|--------------|--------------|
| 1/4"      | 1/4" x 1/2" | A2E2-B       | A2E2         |



brass



steel

Reusable Barb Coupler

| Body Size | Hose ID x OD | Brass Part # |
|-----------|--------------|--------------|
| 1/4"      | 1/4" x 1/2"  | 2AE2-B       |



## 3500 Male Nipples

## Features:

- working pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- *for air and water service only*
- The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection. The whip hose should remain permanently connected to the tool.



## Male Threaded

| Hose Size | Male NPT | Zinc Plated Steel Part # | Optional Qty |
|-----------|----------|--------------------------|--------------|
| 1/4"      | 1/8"     | <b>3501</b>              | 100          |
| 1/4"      | 1/4"     | <b>3502</b>              | 100          |
| 1/4"      | 3/8"     | <b>3504</b>              | 100          |
| 3/8"      | 1/4"     | <b>3505</b>              | 100          |
| 3/8"      | 3/8"     | <b>3506</b>              | 100          |
| 3/8"      | 1/2"     | <b>3508</b>              | 100          |
| 1/2"      | 1/4"     | <b>3509</b>              | 100          |
| 1/2"      | 3/8"     | <b>3510</b>              | 100          |
| 1/2"      | 1/2"     | <b>3512</b>              | 100          |
| 1/2"      | 3/4"     | <b>3511</b>              | 50           |
| 3/4"      | 1/2"     | <b>3513</b>              | 50           |
| 3/4"      | 3/4"     | <b>3514</b>              | 50           |
| 3/4"      | 1"       | <b>3515</b>              | 25           |
| 1"        | 3/4"     | <b>3516</b>              | 25           |
| 1"        | 1"       | <b>3518</b>              | 25           |



## Female Threaded

| Hose Size | Female NPT | Zinc Plated Steel Part # | Optional Qty |
|-----------|------------|--------------------------|--------------|
| 1/4"      | 1/4"       | <b>3542</b>              | 100          |
| 3/8"      | 1/4"       | <b>3545</b>              | 50           |
| 3/8"      | 3/8"       | <b>3546</b>              | 50           |
| 1/2"      | 3/8"       | <b>3550</b>              | 100          |
| 1/2"      | 1/2"       | <b>3552</b>              | 50           |
| 3/4"      | 3/4"       | <b>3554</b>              | 50           |



## Male Threaded with Ferrule

## Features:

- zinc plated steel 3500 nipple with carbon steel ferrule
- can be crimped or swaged-on to achieve maximum coupling sealing and retention, for crimp dimensions see [dixonvalve.com](http://dixonvalve.com)
- low profile, streamline appearance

| Hose Size | Male NPT | Hose OD  |          | Steel Part #   |
|-----------|----------|----------|----------|----------------|
|           |          | From     | To       |                |
| 3/8"      | 1/4"     | 46/64"   | 50/64"   | <b>3505WF</b>  |
| 3/8"      | 1/2"     | 46/64"   | 50/64"   | <b>3508WF</b>  |
| 1/2"      | 1/4"     | 54/64"   | 58/64"   | <b>3509WF</b>  |
| 1/2"      | 3/8"     | 54/64"   | 58/64"   | <b>3510WF</b>  |
| 1/2"      | 3/4"     | 54/64"   | 58/64"   | <b>3511WF</b>  |
| 1/2"      | 1/2"     | 54/64"   | 58/64"   | <b>3512WF</b>  |
| 3/4"      | 3/4"     | 1-10/64" | 1-14/64" | <b>3514WF</b>  |
| 1"        | 1"       | 1-30/64" | 1-34/64" | <b>3518WF</b>  |
| 1"        | 1"       | 1-34/64" | 1-38/64" | <b>3518WF2</b> |



## Bent Stem Swivels

## Hose Barb

## Features:

- $\frac{7}{8}$ " thread fits the following tool brands: Ingersoll-Rand, Thor, Black & Decker, Harper, Jet, Texas Pneumatic, Kent and Sullair
- $\frac{1}{2}$ " thread fits all tools with  $\frac{1}{2}$ " female NPT thread
- $\frac{1}{2}$ " hose barb
- designed for normal operation at **90 PSI** at ambient temperature **70°F (21°C)**

| Description   | Steel Part #    | Optional Qty |
|---|-----------------|--------------|
| $\frac{7}{8}$ " - 24 thread x $\frac{1}{2}$ " hose barb | <b>ATS7812H</b> | 50           |
| $\frac{1}{2}$ " NPT thread x $\frac{1}{2}$ " hose barb  | <b>ATS1212H</b> | 50           |



## Female Pipe Thread

## Feature:

- $\frac{7}{8}$ " thread fits most chipping hammers
- $\frac{3}{8}$ " female pipe thread
- designed for normal operation at **90 PSI** at ambient temperature **70°F (21°C)**

| Description  | Steel Part #    | Optional Qty |
|--|-----------------|--------------|
| $\frac{7}{8}$ " - 24 thread x $\frac{3}{8}$ " female NPT | <b>ATS7838F</b> | 25           |



## Male Pipe Thread

## Feature:

- $\frac{7}{8}$ " thread fits most chipping hammers
- $\frac{3}{8}$ " male pipe thread
- designed for normal operation at **90 PSI** at ambient temperature **70°F (21°C)**

| Description  | Steel Part #    | Optional Qty |
|--|-----------------|--------------|
| $\frac{7}{8}$ " - 24 thread x $\frac{3}{8}$ " male NPT | <b>ATS7838M</b> | 50           |





## D.O.T. Push-In Fittings

## Features:

- materials:
  - body (straights) tube, supports and grippers: brass CA360
  - forged elbows and tees: brass CA377
  - O-ring: Buna-N
- suitable for use up to the maximum working pressure of the plastic tubing used, also suitable for vacuum service
- temperature range: **-40°F to 212°F (-40°C to 100°C)**
- pre-applied thread sealant (Loctite 516®) on all male pipe threads
- compatible tubing: SAE J844
- meets D.O.T FMVSS 571.106 and SAE J1131, SAE J2494-1 and SAE J2494-3

## Male Connectors



| Tube OD | Male NPTF | Part #            | Pkg Qty |
|---------|-----------|-------------------|---------|
| 1/4"    | 1/8"      | <b>AQ68DOT4X2</b> | 10      |
| 1/4"    | 1/4"      | <b>AQ68DOT4X4</b> | 10      |
| 1/4"    | 3/8"      | <b>AQ68DOT4X6</b> | 5       |
| 3/8"    | 1/4"      | <b>AQ68DOT6X4</b> | 10      |
| 3/8"    | 3/8"      | <b>AQ68DOT6X6</b> | 10      |

## Union Connectors



| Tube OD | Part #          | Pkg Qty |
|---------|-----------------|---------|
| 1/4"    | <b>AQ62DOT4</b> | 10      |
| 3/8"    | <b>AQ62DOT6</b> | 10      |

## Male Elbows



| Tube OD | Male NPTF | Part #            | Pkg Qty |
|---------|-----------|-------------------|---------|
| 1/4"    | 1/8"      | <b>AQ69DOT4X2</b> | 10      |
| 1/4"    | 1/4"      | <b>AQ69DOT4X4</b> | 10      |
| 3/8"    | 1/4"      | <b>AQ69DOT6X4</b> | 10      |

## D.O.T. Push-In Male Swivel Elbows



| Tube OD | Male NPTF | Part #             | Pkg Qty |
|---------|-----------|--------------------|---------|
| 1/4"    | 1/8"      | <b>AQ69DOTS4X2</b> | 10      |
| 1/4"    | 1/4"      | <b>AQ69DOTS4X4</b> | 10      |
| 1/4"    | 3/8"      | <b>AQ69DOTS4X6</b> | 10      |
| 3/8"    | 1/4"      | <b>AQ69DOTS6X4</b> | 10      |
| 3/8"    | 3/8"      | <b>AQ69DOTS6X6</b> | 5       |

D.O.T. Push-In Fittings

Male Swivel Run Tees

| Tube OD | Male NPTF | Part #             | Pkg Qty |
|---------|-----------|--------------------|---------|
| 1/4"    | 1/8"      | <b>AQ71DOTS4X2</b> | 10      |
| 1/4"    | 1/4"      | <b>AQ71DOTS4X4</b> | 5       |



Male Swivel Branch Tees

| Tube OD | Male NPTF | Part #             | Pkg Qty |
|---------|-----------|--------------------|---------|
| 1/4"    | 1/8"      | <b>AQ72DOTS4X2</b> | 10      |
| 1/4"    | 1/4"      | <b>AQ72DOTS4X4</b> | 5       |



Union Tees

| Tube OD | Part #          | Pkg Qty |
|---------|-----------------|---------|
| 1/4"    | <b>AQ64DOT4</b> | 10      |
| 3/8"    | <b>AQ64DOT6</b> | 10      |



## Legris D.O.T. Push-In Fittings

### Features:

- materials: composite body, brass collet, stainless steel tube support, brass threads, Buna-N O-ring
- maximum operating pressure: **250 PSI** at ambient temperature
- temperature range: **-40°F to 200°F (-40°C to 93°C)**
- suitable fluids: compressed air only
- complies with the performance requirements of D.O.T FMVSS 571.106 (SAE J1131) and SAE J2494-3
- *These fittings are designed for use on all pneumatic circuits other than air brake assemblies between the frame and axle or between towed and towing vehicle.*



### Male Connectors

| Tube OD | Male NPT | Part #             | Pkg Qty |
|---------|----------|--------------------|---------|
| 5/32"   | 1/8"     | <b>31150411DOT</b> | 10      |
| 5/32"   | 1/4"     | <b>31150414DOT</b> | 10      |
| 3/16"   | 1/8"     | <b>31155511DOT</b> | 10      |
| 3/16"   | 1/4"     | <b>31155514DOT</b> | 10      |
| 1/4"    | 1/8"     | <b>31155611DOT</b> | 10      |
| 1/4"    | 1/4"     | <b>31155614DOT</b> | 10      |
| 1/4"    | 3/8"     | <b>31155618DOT</b> | 10      |
| 3/8"    | 1/8"     | <b>31156011DOT</b> | 10      |
| 3/8"    | 1/4"     | <b>31156014DOT</b> | 10      |
| 3/8"    | 3/8"     | <b>31156018DOT</b> | 10      |
| 3/8"    | 1/2"     | <b>31156022DOT</b> | 10      |
| 1/2"    | 1/4"     | <b>31156214DOT</b> | 10      |
| 1/2"    | 3/8"     | <b>31156218DOT</b> | 10      |
| 1/2"    | 1/2"     | <b>31156222DOT</b> | 10      |

- meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3

### Female Connectors

| Tube OD | Female NPT | Part #             | Pkg Qty |
|---------|------------|--------------------|---------|
| 5/32"   | 1/8"       | <b>31140411DOT</b> | 10      |
| 3/16"   | 1/8"       | <b>31145511DOT</b> | 10      |
| 1/4"    | 1/8"       | <b>31145611DOT</b> | 10      |
| 1/4"    | 1/4"       | <b>31145614DOT</b> | 10      |
| 3/8"    | 1/4"       | <b>31146014DOT</b> | 10      |
| 3/8"    | 3/8"       | <b>31146018DOT</b> | 10      |

- meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3



## Legris D.O.T. Push-In Fittings

## Unions

| Tube OD | Part #                            | Pkg Qty |
|---------|-----------------------------------|---------|
| 5/32"   | <b>31060400DOT</b> <sup>1,2</sup> | 10      |
| 3/16"   | <b>31065500DOT</b> <sup>1,2</sup> | 10      |
| 1/4"    | <b>31065600DOT</b> <sup>3</sup>   | 10      |
| 3/8"    | <b>31066000DOT</b> <sup>3</sup>   | 10      |
| 1/2"    | <b>31066200DOT</b> <sup>3</sup>   | 10      |

<sup>1</sup> brass body<sup>2</sup> meets D.O.T FMVSS571.106, SAE J2494 and SAE J2494-3<sup>3</sup> meets D.O.T FMVSS571.106, J1131 and SAE2494-3

## Bulkhead Unions

| Tube OD | Part #             | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>31165600DOT</b> | 10      |
| 3/8"    | <b>31166000DOT</b> | 10      |
| 1/2"    | <b>31166200DOT</b> | 10      |

- meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3



## Union Elbows

| Tube OD | Part #                          | Pkg Qty |
|---------|---------------------------------|---------|
| 5/32"   | <b>31020400DOT</b> <sup>1</sup> | 10      |
| 1/4"    | <b>31025600DOT</b>              | 10      |
| 3/8"    | <b>31026000DOT</b>              | 10      |
| 1/2"    | <b>31026200DOT</b>              | 10      |

- 5/32" diameter meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3
- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3

<sup>1</sup> brass body

## Male Elbows

| Tube OD | Male NPT | Part #                          | Pkg Qty |
|---------|----------|---------------------------------|---------|
| 5/32"   | 1/8"     | <b>31090411DOT</b> <sup>1</sup> | 10      |
| 3/16"   | 1/8"     | <b>31095511DOT</b> <sup>1</sup> | 10      |
| 1/4"    | 1/8"     | <b>31095611DOT</b>              | 10      |
| 1/4"    | 1/4"     | <b>31095614DOT</b>              | 10      |
| 1/4"    | 3/8"     | <b>31095618DOT</b>              | 10      |
| 3/8"    | 1/4"     | <b>31096014DOT</b>              | 10      |
| 3/8"    | 3/8"     | <b>31096018DOT</b>              | 10      |
| 3/8"    | 1/2"     | <b>31096022DOT</b>              | 10      |
| 1/2"    | 1/4"     | <b>31096214DOT</b>              | 10      |
| 1/2"    | 3/8"     | <b>31096218DOT</b>              | 10      |
| 1/2"    | 1/2"     | <b>31096222DOT</b>              | 10      |

- 5/32" and 3/16" diameter meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3
- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3
- fitting can be oriented 360° allowing proper positioning of the fitting

<sup>1</sup> brass body

## Legris D.O.T. Push-In Fittings

## Reducer

Pneumatic Fittings



| Tube OD | Tube OD | Part #             | Pkg Qty |
|---------|---------|--------------------|---------|
| 1/4"    | 3/8"    | <b>31665660DOT</b> | 10      |

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3

## Plug In Elbow



| Tube OD | Part #             | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>31825600DOT</b> | 10      |

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3

## Male Branch Tees



| Tube OD | Male NPT | Part #             | Pkg Qty |
|---------|----------|--------------------|---------|
| 1/4"    | 1/8"     | <b>31085611DOT</b> | 10      |
| 1/4"    | 1/4"     | <b>31085614DOT</b> | 10      |
| 1/4"    | 3/8"     | <b>31085618DOT</b> | 10      |
| 3/8"    | 1/4"     | <b>31086014DOT</b> | 10      |
| 3/8"    | 3/8"     | <b>31086018DOT</b> | 10      |
| 3/8"    | 1/2"     | <b>31086022DOT</b> | 10      |
| 1/2"    | 1/4"     | <b>31086214DOT</b> | 10      |
| 1/2"    | 3/8"     | <b>31086218DOT</b> | 10      |
| 1/2"    | 1/2"     | <b>31086222DOT</b> | 10      |

- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3
- fitting can be oriented 360° allowing proper positioning of the fitting

## Union Tees



| Tube OD | Part #                         | Pkg Qty |
|---------|--------------------------------|---------|
| 5/32"   | <b>31040400DOT<sup>1</sup></b> | 10      |
| 3/16"   | <b>31045500DOT<sup>1</sup></b> | 10      |
| 1/4"    | <b>31045600DOT</b>             | 10      |
| 3/8"    | <b>31046000DOT</b>             | 10      |
| 1/2"    | <b>31046200DOT</b>             | 10      |

- 5/32" and 3/16" diameter meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3
- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3

<sup>1</sup> brass body

## Legris D.O.T. Push-In Fittings

## Legris D.O.T. Push-In Male Run Tees

| Tube OD | Male NPT | Part #                         | Pkg Qty |
|---------|----------|--------------------------------|---------|
| 3/16"   | 1/8"     | <b>31035511DOT<sup>1</sup></b> | 10      |
| 1/4"    | 1/8"     | <b>31035611DOT</b>             | 10      |
| 1/4"    | 1/4"     | <b>31035614DOT</b>             | 10      |
| 1/4"    | 3/8"     | <b>31035618DOT</b>             | 10      |
| 3/8"    | 1/4"     | <b>31036014DOT</b>             | 10      |
| 3/8"    | 3/8"     | <b>31036018DOT</b>             | 10      |
| 3/8"    | 1/2"     | <b>31036022DOT</b>             | 10      |
| 1/2"    | 1/4"     | <b>31036214DOT</b>             | 10      |
| 1/2"    | 3/8"     | <b>31036218DOT</b>             | 10      |
| 1/2"    | 1/2"     | <b>31036222DOT</b>             | 10      |

- 3/16" diameter meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3
- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3
- fitting can be oriented 360° allowing proper positioning of the fitting

<sup>1</sup> brass body



## Legris D.O.T. Push-In Plug In Run Tee

| Tube OD | Part #             | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>31835600DOT</b> | 10      |

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3



## Legris D.O.T. Push-In Y Connectors

| Tube OD | Male NPT | Part #             | Pkg Qty |
|---------|----------|--------------------|---------|
| 1/4"    | 1/8"     | <b>31485611DOT</b> | 10      |
| 1/4"    | 1/4"     | <b>31485614DOT</b> | 10      |

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3
- fitting can be oriented 360° allowing proper positioning of the fitting



## Legris D.O.T. Push-In Y Unions

| Tube OD | Part #             | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>31405600DOT</b> | 10      |
| 3/8"    | <b>31406000DOT</b> | 10      |

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3





## Air Brake Fittings

**Application:**

- designed for use in air brake systems or cab controls

**Features:**

- utilize ribbed sleeve for compression and positive grip
- machined from CA360, CA345, or CA377 brass
- pre-applied thread sealant on all male pipe threads
- maximum operating pressure: **150 PSI**
- temperature range: **-40°F to 200°F (-40°C to 93°C)**
- compatible tubing: SAE J844 type A and B
- specifications: meets D.O.T FMVSS 571.106 and SAE J246

**Assembly Instructions:**

- Cut tubing squarely - maximum of 15° angle allowable.
- Check that port or mating part is clean and free of debris.
- Insert tubing into fittings until it bottoms on seat.
- Tighten nut with wrench until one thread remains visible on the fittings body; (this will allow for a number of remakes) or, the nut should be screwed down finger tight, then wrench-tightened as indicated in the chart below.

| Tube Size   | Turns required to seal from hand tight |
|-------------|--|
| 3/16"       | 2½                                     |
| 1/4"        | 3                                      |
| 3/8" & 1/2" | 4                                      |
| 5/8" & 3/4" | 3½                                     |

**Male Connectors****Features:**

- ref. SAE 100102 BA
- thread sealant may be white or burnt orange

| Tube Size | Pipe Thread | Straight Thread | Part #             | Pkg Qty |
|-----------|-------------|-----------------|--------------------|---------|
| 3/16"     | 1/16"       | 5/16"-24        | <b>68NAB31VS</b>   | 25      |
| 3/16"     | 1/8"        | 5/16"-24        | <b>68NAB32VS</b>   | 50      |
| 3/16"     | 1/4"        | 5/16"-24        | <b>68NAB34VS</b>   | 25      |
| 1/4"      | 1/8"        | 7/16"-24        | <b>68NAB42VS</b>   | 50      |
| 1/4"      | 1/4"        | 7/16"-24        | <b>68NAB44VS</b>   | 50      |
| 1/4"      | 3/8"        | 7/16"-24        | <b>68NAB46VS</b>   | 10      |
| 3/8"      | 1/8"        | 17/32"-24       | <b>68NAB62VS</b>   | 25      |
| 3/8"      | 1/4"        | 17/32"-24       | <b>68NAB64VS</b>   | 25      |
| 3/8"      | 3/8"        | 17/32"-24       | <b>68NAB66VS</b>   | 25      |
| 3/8"      | 1/2"        | 17/32"-24       | <b>68NAB68VS</b>   | 25      |
| 1/2"      | 1/4"        | 11/16"-20       | <b>68NAB84VS</b>   | 10      |
| 1/2"      | 3/8"        | 11/16"-20       | <b>68NAB86VS</b>   | 25      |
| 1/2"      | 1/2"        | 11/16"-20       | <b>68NAB88VS</b>   | 25      |
| 5/8"      | 3/8"        | 13/16"-18       | <b>68NAB106VS</b>  | 10      |
| 5/8"      | 1/2"        | 13/16"-18       | <b>68NAB108VS</b>  | 10      |
| 3/4"      | 3/8"        | 1"-18           | <b>68NAB126VS</b>  | 10      |
| 3/4"      | 1/2"        | 1"-18           | <b>68NAB128VS</b>  | 10      |
| 3/4"      | 3/4"        | 1"-18           | <b>68NAB1212VS</b> | 10      |

**Female Connectors****Feature:**

- ref. SAE 100103 BA

| Tube Size | Pipe Thread | Straight Thread | Part #                     | Pkg Qty |
|-----------|-------------|-----------------|----------------------------|---------|
| 1/4"      | 1/8"        | 7/16"-24        | <b>66NAB42</b>             | 25      |
| 1/4"      | 1/4"        | 7/16"-24        | <b>66NAB44</b>             | 10      |
| 3/8"      | 1/8"        | 17/32"-24       | <b>66NAB62</b>             | 10      |
| 3/8"      | 1/4"        | 17/32"-24       | <b>66NAB64</b>             | 10      |
| 1/2"      | 3/8"        | 11/16"-20       | <b>66NAB86<sup>1</sup></b> | 10      |
| 1/2"      | 1/2"        | 11/16"-20       | <b>66NAB88</b>             | 10      |
| 5/8"      | 3/8"        | 13/16"-18       | <b>66NAB106</b>            | 10      |
| 5/8"      | 1/2"        | 13/16"-18       | <b>66NAB108</b>            | 10      |



<sup>1</sup> not full hex as shown

## Air Brake Fittings

## Unions

## Feature:

- ref. SAE 100101

| Tube Size | Straight Thread | Part #         | Pkg Qty |
|-----------|-----------------|----------------|---------|
| 1/4"      | 7/16"-24        | <b>62NAB4</b>  | 10      |
| 3/8"      | 17/32"-24       | <b>62NAB6</b>  | 10      |
| 1/2"      | 11/16"-20       | <b>62NAB8</b>  | 10      |
| 5/8"      | 13/16"-18       | <b>62NAB10</b> | 10      |
| 3/4"      | 1"-18           | <b>62NAB12</b> | 10      |



## Bulkhead Unions

| Tube Size | Straight Thread | Part #         | Pkg Qty |
|-----------|-----------------|----------------|---------|
| 1/4"      | 7/16"-24        | <b>62NABH4</b> | 10      |
| 3/8"      | 17/32"-24       | <b>62NABH6</b> | 10      |
| 1/2"      | 11/16"-20       | <b>62NABH8</b> | 10      |



## Bulkhead Unions

| Tube Size | Straight Thread | Part #         | Pkg Qty |
|-----------|-----------------|----------------|---------|
| 3/16"     | 5/16"-24        | <b>62NBH3</b>  | 10      |
| 1/4"      | 7/16"-24        | <b>62NBH4</b>  | 10      |
| 3/8"      | 17/32"-24       | <b>62NBH6</b>  | 10      |
| 1/2"      | 11/16"-20       | <b>62NBH8</b>  | 10      |
| 5/8"      | 13/16"-18       | <b>62NBH10</b> | 10      |



## Bulkhead Unions

| Tube Size | Straight Thread | Part #          | Pkg Qty |
|-----------|-----------------|-----------------|---------|
| 1/4"      | 7/16"-24        | <b>62NFBH4</b>  | 10      |
| 3/8"      | 17/32"-24       | <b>62NFBH6</b>  | 10      |
| 1/2"      | 11/16"-20       | <b>62NFBH8</b>  | 10      |
| 5/8"      | 13/16"-18       | <b>62NFBH10</b> | 10      |



## Bulkhead Unions

| Tube Size | Pipe Thread | Part #         | Pkg Qty |
|-----------|-------------|----------------|---------|
| 1/2"      | 3/8"        | <b>66NBH86</b> | 10      |



## Female Elbows

## Feature:

- ref. SAE 100203 BA

| Tube Size | Pipe Thread | Straight Thread | Part #                      | Pkg Qty |
|-----------|-------------|-----------------|-----------------------------|---------|
| 3/16"     | 1/8"        | 5/16"-24        | <b>70NAB32</b>              | 25      |
| 1/4"      | 1/8"        | 7/16"-24        | <b>70NAB42</b>              | 25      |
| 1/4"      | 1/4"        | 7/16"-24        | <b>70NAB44</b>              | 25      |
| 3/8"      | 1/8"        | 17/32"-24       | <b>70NAB62</b>              | 10      |
| 3/8"      | 1/4"        | 17/32"-24       | <b>70NAB64</b> <sup>1</sup> | 10      |
| 3/8"      | 3/8"        | 17/32"-24       | <b>70NAB66</b>              | 10      |
| 1/2"      | 3/8"        | 11/16"-20       | <b>70NAB86</b>              | 10      |
| 1/2"      | 1/2"        | 11/16"-20       | <b>70NAB88</b>              | 10      |
| 5/8"      | 1/2"        | 13/16"-18       | <b>70NAB108</b>             | 10      |



<sup>1</sup> rounded elbow parts not as pictured

## Air Brake Fittings

## Male Elbows

## Features:

- ref. SAE 100202 BA
- thread sealant may be white or burnt orange



| Tube Size | Pipe Thread | Straight Thread | Part #             | Pkg Qty |
|-----------|-------------|-----------------|--------------------|---------|
| 3/16"     | 1/8"        | 5/16"-24        | <b>69NAB32VS</b>   | 10      |
| 3/16"     | 1/4"        | 5/16"-24        | <b>69NAB34VS</b>   | 10      |
| 1/4"      | 1/8"        | 7/16"-24        | <b>69NAB42VS</b>   | 50      |
| 1/4"      | 1/4"        | 7/16"-24        | <b>69NAB44VS</b>   | 50      |
| 1/4"      | 3/8"        | 7/16"-24        | <b>69NAB46VS</b>   | 10      |
| 3/8"      | 1/8"        | 17/32"-24       | <b>69NAB62VS</b>   | 10      |
| 3/8"      | 1/4"        | 17/32"-24       | <b>69NAB64VS</b>   | 25      |
| 3/8"      | 3/8"        | 17/32"-24       | <b>69NAB66VS</b>   | 25      |
| 3/8"      | 1/2"        | 17/32"-24       | <b>69NAB68VS</b>   | 10      |
| 1/2"      | 1/4"        | 11/16"-20       | <b>69NAB84VS</b>   | 10      |
| 1/2"      | 3/8"        | 11/16"-20       | <b>69NAB86VS</b>   | 10      |
| 1/2"      | 1/2"        | 11/16"-20       | <b>69NAB88VS</b>   | 10      |
| 5/8"      | 3/8"        | 13/16"-18       | <b>69NAB106VS</b>  | 10      |
| 5/8"      | 1/2"        | 13/16"-18       | <b>69NAB108VS</b>  | 5       |
| 3/4"      | 1/2"        | 1"-18           | <b>69NAB128VS</b>  | 5       |
| 3/4"      | 3/4"        | 1"-18           | <b>69NAB1212VS</b> | 5       |

## Union Elbows

## Feature:

- ref. SAE 100201 BA



| Tube Size | Straight Thread | Part #         | Pkg Qty |
|-----------|-----------------|----------------|---------|
| 1/4"      | 7/16"-24        | <b>65NAB4</b>  | 10      |
| 3/8"      | 17/32"-24       | <b>65NAB6</b>  | 10      |
| 1/2"      | 11/16"-20       | <b>65NAB8</b>  | 10      |
| 5/8"      | 13/16"-18       | <b>65NAB10</b> | 10      |

## 45° Elbows

## Features:

- ref. SAE 100302 BA
- thread sealant may be white or burnt orange



| Tube Size | Pipe Thread | Straight Thread | Part #            | Pkg Qty |
|-----------|-------------|-----------------|-------------------|---------|
| 1/4"      | 1/8"        | 7/16"-24        | <b>79NAB42VS</b>  | 10      |
| 1/4"      | 1/4"        | 7/16"-24        | <b>79NAB44VS</b>  | 10      |
| 3/8"      | 1/8"        | 17/32"-24       | <b>79NAB62VS</b>  | 10      |
| 3/8"      | 1/4"        | 17/32"-24       | <b>79NAB64VS</b>  | 10      |
| 3/8"      | 3/8"        | 17/32"-24       | <b>79NAB66VS</b>  | 10      |
| 3/8"      | 1/2"        | 17/32"-24       | <b>79NAB68VS</b>  | 10      |
| 1/2"      | 1/4"        | 11/16"-20       | <b>79NAB84VS</b>  | 10      |
| 1/2"      | 3/8"        | 11/16"-20       | <b>79NAB86VS</b>  | 10      |
| 1/2"      | 1/2"        | 11/16"-20       | <b>79NAB88VS</b>  | 10      |
| 5/8"      | 3/8"        | 13/16"-18       | <b>79NAB106VS</b> | 5       |
| 5/8"      | 1/2"        | 13/16"-18       | <b>79NAB108VS</b> | 5       |
| 3/4"      | 1/2"        | 1"-18           | <b>79NAB128VS</b> | 2       |

## Air Brake Fittings

## Male Branch Tees

## Features:

- ref. SAE 100425 BA
- thread sealant may be white or burnt orange

| Tube Size | Pipe Thread | Straight Thread | Part #            | Pkg Qty |
|-----------|-------------|-----------------|-------------------|---------|
| 3/16"     | 1/8"        | 7/16"-24        | <b>72NAB32VS</b>  | 10      |
| 1/4"      | 1/8"        | 7/16"-24        | <b>72NAB42VS</b>  | 10      |
| 1/4"      | 1/4"        | 7/16"-24        | <b>72NAB44VS</b>  | 10      |
| 3/8"      | 1/8"        | 17/32"-24       | <b>72NAB62VS</b>  | 10      |
| 3/8"      | 1/4"        | 17/32"-24       | <b>72NAB64VS</b>  | 10      |
| 3/8"      | 3/8"        | 17/32"-24       | <b>72NAB66VS</b>  | 10      |
| 1/2"      | 1/4"        | 11/16"-20       | <b>72NAB84VS</b>  | 10      |
| 1/2"      | 3/8"        | 11/16"-20       | <b>72NAB86VS</b>  | 10      |
| 1/2"      | 1/2"        | 11/16"-20       | <b>72NAB88VS</b>  | 10      |
| 5/8"      | 1/2"        | 13/16"-18       | <b>72NAB108VS</b> | 10      |



## Union Tees

## Feature:

- ref. SAE 100401 BA

| Tube Size | Straight Thread | Part #         | Pkg Qty |
|-----------|-----------------|----------------|---------|
| 1/4"      | 7/16"-24        | <b>64NAB4</b>  | 25      |
| 3/8"      | 17/32"-24       | <b>64NAB6</b>  | 10      |
| 1/2"      | 11/16"-20       | <b>64NAB8</b>  | 10      |
| 5/8"      | 13/16"-18       | <b>64NAB10</b> | 10      |



## Male Run Tees

## Features:

- ref. SAE 100424 BA
- thread sealant may be white or burnt orange

| Tube Size | Pipe Thread | Straight Thread | Part #            | Pkg Qty |
|-----------|-------------|-----------------|-------------------|---------|
| 1/4"      | 1/8"        | 7/16"-24        | <b>71NAB42VS</b>  | 10      |
| 1/4"      | 1/4"        | 7/16"-24        | <b>71NAB44VS</b>  | 10      |
| 3/8"      | 1/4"        | 17/32"-24       | <b>71NAB64VS</b>  | 10      |
| 3/8"      | 3/8"        | 17/32"-24       | <b>71NAB66VS</b>  | 10      |
| 1/2"      | 3/8"        | 11/16"-20       | <b>71NAB86VS</b>  | 10      |
| 1/2"      | 1/2"        | 11/16"-20       | <b>71NAB88VS</b>  | 10      |
| 5/8"      | 1/2"        | 13/16"-18       | <b>71NAB108VS</b> | 5       |



## Sleeves

## Feature:

- ref. SAE 100115

| Tube Size | Part #         | Pkg Qty |
|-----------|----------------|---------|
| 3/16"     | <b>60NAB3</b>  | 100     |
| 1/4"      | <b>60NAB4</b>  | 100     |
| 3/8"      | <b>60NAB6</b>  | 100     |
| 1/2"      | <b>60NAB8</b>  | 100     |
| 5/8"      | <b>60NAB10</b> | 10      |
| 3/4"      | <b>60NAB12</b> | 50      |



## Air Brake Fittings

**Feature:**

- for SAE J844 tubing

**Inserts**

| Tube Size | 302 / 304 Stainless Steel<br>Part # | Pkg Qty |
|-----------|-------------------------------------|---------|
| 1/4"      | <b>63NAB4</b>                       | 200     |
| 3/8"      | <b>63NAB6</b>                       | 200     |
| 1/2"      | <b>63NAB8</b>                       | 100     |
| 5/8"      | <b>63NAB10</b>                      | 100     |
| 3/4"      | <b>63NAB12</b>                      | 100     |

**Nuts****Feature:**

- ref. SAE 100110



| Tube Size | Male NPT  | Part #         | Pkg Qty |
|-----------|-----------|----------------|---------|
| 3/16"     | 5/16"-24  | <b>61NAB3</b>  | 100     |
| 1/4"      | 7/16"-24  | <b>61NAB4</b>  | 100     |
| 3/8"      | 17/32"-24 | <b>61NAB6</b>  | 100     |
| 1/2"      | 11/16"-20 | <b>61NAB8</b>  | 50      |
| 5/8"      | 13/16"-18 | <b>61NAB10</b> | 25      |
| 3/4"      | 1"-18     | <b>61NAB12</b> | 25      |

## Air Brake Fittings for Rubber Hose

**Application:**

- for use with SAEJ1402 air brake hose in making hose assemblies

**Features:**

- will meet D.O.T. FMVSS 571-106 standards when used with SAE J1402 Air Brake Hose
- working pressure: up to **225 PSI**
- temperature: **-50°F to 212°F (-46° to 100°C)**

**Assembly Guide:**

1. Slide nut onto hose
2. Slide sleeve onto hose with tapered edge toward fitting body
3. Firmly bottom the hose into fittings
4. Screw nut onto body until it contacts the fittings body's hex

**Hose Springs**

| Hose Size | Length | Brass Alloy 360<br>Part # |
|-----------|--------|---------------------------|
| 3/8"      | 2.70"  | <b>56RBSG-06</b>          |
| 1/2"      | 2.70"  | <b>56RBSG-08</b>          |

**Spring Guard Nuts**

| Hose Size | Straight Thread | Brass Alloy 360<br>Part # |
|-----------|-----------------|---------------------------|
| 3/8"      | 31/32"-20       | <b>61RBSG-06</b>          |
| 1/2"      | 1-3/32-20       | <b>61RBSG-08</b>          |

## Air Brake Fittings for Rubber Hose

## Hose Nut with Attached Springs

| Hose Size | Length | Brass Alloy 360<br>Part # |
|-----------|--------|---------------------------|
| 3/8"      | 3.55"  | <b>67RBSG-06</b>          |
| 1/2"      | 3.50"  | <b>67RBSG-08</b>          |



## Male Connectors

| Tube OD | Pipe Thread | Straight Thread | Hex    | Brass Alloy 360<br>Part # |
|---------|-------------|-----------------|--------|---------------------------|
| 3/8"    | 1/4"        | 31/32"-20       | 31/32" | <b>68RB-0604B</b>         |
| 3/8"    | 3/8"        | 31/32"-20       | 31/32" | <b>68RB-0606B</b>         |
| 3/8"    | 1/2"        | 31/32"-20       | 31/32" | <b>68RB-0608B</b>         |
| 1/2"    | 3/8"        | 1-3/32"-20      | 1-1/8" | <b>68RB-0806B</b>         |
| 1/2"    | 1/2"        | 1-3/32"-20      | 1-1/8" | <b>68RB-0808B</b>         |



## Male Connector with Spring Guards

| Hose Size | Pipe Thread | Hex     | Brass Alloy 360<br>Part # |
|-----------|-------------|---------|---------------------------|
| 3/8"      | 1/4"        | 1-1/16" | <b>68RBSG-0604</b>        |
| 3/8"      | 3/8"        | 1-1/16" | <b>68RBSG-0606</b>        |
| 3/8"      | 1/2"        | 1-1/16" | <b>68RBSG-0608</b>        |
| 1/2"      | 3/8"        | 1-1/4"  | <b>68RBSG-0806</b>        |
| 1/2"      | 1/2"        | 1-1/4"  | <b>68RBSG-0808</b>        |



## Sleeves

| Hose Size | Length | Brass Alloy 360<br>Part # |
|-----------|--------|---------------------------|
| 3/8"      | .64"   | <b>60RB-06</b>            |
| 1/2"      | .64"   | <b>60RB-08</b>            |



## Nuts

| Hose Size | Thread     | Hex     | Brass Alloy 360<br>Part # |
|-----------|------------|---------|---------------------------|
| 3/8"      | 31/32"-20  | 1-1/32" | <b>61RB-06</b>            |
| 1/2"      | 1-3/32"-20 | 1-1/4"  | <b>61RB-08</b>            |





## Brass Push-In Fittings

**Features:**

- saves up to 75% of assembly time compared to the standard compression fittings
- quick connect: simply push tubing in, no tools required
- quick disconnect: hold two fingers on insert and pull tubing out, no tools required
- reusable: connect and disconnect numerous times
- full flow design provides up to 60% more flow than conventional fittings with internal tube supports
- positive seal: no leaks, after tubing is inserted, seal is made
- secure tube retention: pulling on tubing only serves to tighten the connection
- pre-applied PTFE based pipe sealant on all male pipe threads saves customer additional labor
- working pressure: fittings are suitable for use up to the maximum working pressure of the plastic tubing used also suitable for vacuum service
- temperature range: **-10°F to 200°F (-23°C to 93°C)**

**Male Connectors**

| Tube OD | Male NPTF          | Forged Brass Part # | Optional Qty |
|---------|--------------------|---------------------|--------------|
| 1/8"    | 10-32 <sup>1</sup> | <b>684X10</b>       | 20           |
| 1/8"    | 1/8"               | <b>684X4</b>        | 20           |
| 5/32"   | 10-32 <sup>1</sup> | <b>685X10</b>       | 20           |
| 5/32"   | 1/8"               | <b>685X4</b>        | 20           |
| 5/32"   | 1/4"               | <b>685X8</b>        | 10           |
| 3/16"   | 10-32 <sup>1</sup> | <b>686X10</b>       | 20           |
| 3/16"   | 1/8"               | <b>686X4</b>        | 20           |
| 1/4"    | 10-32 <sup>1</sup> | <b>688X10</b>       | 20           |
| 1/4"    | 1/8"               | <b>688X4</b>        | 20           |
| 1/4"    | 1/4"               | <b>688X8</b>        | 10           |
| 1/4"    | 3/8"               | <b>688X12</b>       | 10           |
| 3/8"    | 1/8"               | <b>6812X4</b>       | 10           |
| 3/8"    | 1/4"               | <b>6812X8</b>       | 10           |
| 3/8"    | 3/8"               | <b>6812X12</b>      | 10           |
| 3/8"    | 1/2"               | <b>6812X16</b>      | 5            |
| 1/2"    | 1/4"               | <b>6816X8</b>       | 5            |
| 1/2"    | 3/8"               | <b>6816X12</b>      | 5            |
| 1/2"    | 1/2"               | <b>6816X16</b>      | 5            |

<sup>1</sup> UNF - Straight thread, supplied with gasket

**Female Connectors**

| Tube OD | Female NPTF | Forged Brass Part # | Optional Qty |
|---------|-------------|---------------------|--------------|
| 1/8"    | 1/8"        | <b>664X4</b>        | 10           |
| 5/32"   | 1/8"        | <b>665X4</b>        | 10           |
| 1/4"    | 1/8"        | <b>668X4</b>        | 10           |
| 1/4"    | 1/4"        | <b>668X8</b>        | 10           |
| 3/8"    | 1/4"        | <b>6612X8</b>       | 10           |
| 3/8"    | 3/8"        | <b>6612X12</b>      | 5            |



## Brass Push-In Fittings

## Unions

| Tube OD | Forged Brass Part # | Optional Qty |
|---------|---------------------|--------------|
| 1/8"    | <b>624</b>          | 20           |
| 5/32"   | <b>625</b>          | 10           |
| 1/4"    | <b>628</b>          | 10           |
| 3/8"    | <b>6212</b>         | 10           |
| 1/2"    | <b>6216</b>         | 5            |



## Bulkhead Unions

| Tube OD | Male NPT  | Forged Brass Part # | Optional Qty |
|---------|-----------|---------------------|--------------|
| 1/8"    | 7/16"-20  | <b>824</b>          | 10           |
| 5/32"   | 7/16"-20  | <b>825</b>          | 10           |
| 1/4"    | 1/2"-20   | <b>828</b>          | 10           |
| 3/8"    | 3/4"-16   | <b>8212</b>         | 5            |
| 1/2"    | 15/16"-16 | <b>8216</b>         | 5            |



## Male Elbows

| Tube OD | Male NPTF | Forged Brass Part # | Optional Qty |
|---------|-----------|---------------------|--------------|
| 1/8"    | 1/8"      | <b>694X4</b>        | 10           |
| 5/32"   | 1/8"      | <b>695X4</b>        | 10           |
| 3/16"   | 1/8"      | <b>696X4</b>        | 10           |
| 1/4"    | 1/8"      | <b>698X4</b>        | 10           |
| 1/4"    | 1/4"      | <b>698X8</b>        | 10           |
| 1/4"    | 3/8"      | <b>698X12</b>       | 10           |
| 3/8"    | 1/8"      | <b>6912X4</b>       | 10           |
| 3/8"    | 1/4"      | <b>6912X8</b>       | 10           |
| 3/8"    | 3/8"      | <b>6912X12</b>      | 10           |
| 1/2"    | 1/4"      | <b>6916X8</b>       | 5            |
| 1/2"    | 3/8"      | <b>6916X12</b>      | 5            |



## Female Elbows

| Tube OD | Female NPTF | Forged Brass Part # | Optional Qty |
|---------|-------------|---------------------|--------------|
| 5/32"   | 1/8"        | <b>705X4</b>        | 10           |
| 1/4"    | 1/8"        | <b>708X4</b>        | 10           |
| 1/4"    | 1/4"        | <b>708X8</b>        | 5            |
| 3/8"    | 1/4"        | <b>7012X8</b>       | 5            |



## Brass Push-In Fittings

## Union Elbows



| Tube OD | Forged Brass Part # | Optional Qty |
|---------|---------------------|--------------|
| 1/8"    | <b>654</b>          | 10           |
| 5/32"   | <b>655</b>          | 10           |
| 1/4"    | <b>658</b>          | 10           |
| 3/8"    | <b>6512</b>         | 10           |
| 1/2"    | <b>6516</b>         | 5            |

## Male Swivel Elbows



| Tube OD | Male NPTF          | Forged Brass Part # | Optional Qty |
|---------|--------------------|---------------------|--------------|
| 1/8"    | 1/8"               | <b>69S4X4</b>       | 10           |
| 5/32"   | 10-32 <sup>1</sup> | <b>69S5X10</b>      | 10           |
| 5/32"   | 1/8"               | <b>69S5X4</b>       | 10           |
| 5/32"   | 1/4"               | <b>69S5X8</b>       | 10           |
| 1/4"    | 10-32 <sup>1</sup> | <b>69S8X10</b>      | 10           |
| 1/4"    | 1/8"               | <b>69S8X4</b>       | 10           |
| 1/4"    | 1/4"               | <b>69S8X8</b>       | 10           |
| 1/4"    | 3/8"               | <b>69S8X12</b>      | 10           |
| 3/8"    | 1/8"               | <b>69S12X4</b>      | 10           |
| 3/8"    | 1/4"               | <b>69S12X8</b>      | 10           |
| 3/8"    | 3/8"               | <b>69S12X12</b>     | 5            |
| 3/8"    | 1/2"               | <b>69S12X16</b>     | 5            |
| 1/2"    | 3/8"               | <b>69S16X12</b>     | 5            |
| 1/2"    | 1/2"               | <b>69S16X16</b>     | 5            |

<sup>1</sup> UNF - Straight thread, supplied with gasket

## Male Branch Tees



| Tube OD | Male NPTF | Forged Brass Part # | Optional Qty |
|---------|-----------|---------------------|--------------|
| 1/8"    | 1/8"      | <b>724X4</b>        | 10           |
| 5/32"   | 1/8"      | <b>725X4</b>        | 10           |
| 1/4"    | 1/8"      | <b>728X4</b>        | 10           |
| 1/4"    | 1/4"      | <b>728X8</b>        | 5            |
| 3/8"    | 1/8"      | <b>7212X4</b>       | 5            |
| 3/8"    | 1/4"      | <b>7212X8</b>       | 5            |
| 3/8"    | 3/8"      | <b>7212X12</b>      | 5            |
| 1/2"    | 3/8"      | <b>7216X12</b>      | 5            |

## Union Tees



| Tube OD | Forged Brass Part # | Optional Qty |
|---------|---------------------|--------------|
| 1/8"    | <b>644</b>          | 10           |
| 5/32"   | <b>645</b>          | 10           |
| 3/16"   | <b>646</b>          | 10           |
| 1/4"    | <b>648</b>          | 10           |
| 3/8"    | <b>6412</b>         | 5            |
| 1/2"    | <b>6416</b>         | 5            |

## Brass Push-In Fittings

## Male Swivel Branch Tees

| Tube OD | Male NPTF | Forged Brass Part # | Optional Qty |
|---------|-----------|---------------------|--------------|
| 1/8"    | 1/8"      | <b>72S4X4</b>       | 10           |
| 5/32"   | 1/8"      | <b>72S5X4</b>       | 10           |
| 1/4"    | 1/8"      | <b>72S8X4</b>       | 10           |
| 1/4"    | 1/4"      | <b>72S8X8</b>       | 5            |
| 3/8"    | 1/4"      | <b>72S12X8</b>      | 5            |
| 3/8"    | 3/8"      | <b>72S12X12</b>     | 5            |
| 1/2"    | 3/8"      | <b>72S16X12</b>     | 5            |
| 1/2"    | 1/2"      | <b>72S16X16</b>     | 5            |



## Male Run Tees

| Tube OD | Male NPTF | Forged Brass Part # | Optional Qty |
|---------|-----------|---------------------|--------------|
| 1/8"    | 1/8"      | <b>714X4</b>        | 10           |
| 5/32"   | 1/8"      | <b>715X4</b>        | 10           |
| 1/4"    | 1/8"      | <b>718X4</b>        | 10           |
| 1/4"    | 1/4"      | <b>718X8</b>        | 5            |
| 3/8"    | 1/8"      | <b>7112X4</b>       | 5            |
| 3/8"    | 1/4"      | <b>7112X8</b>       | 5            |
| 3/8"    | 3/8"      | <b>7112X12</b>      | 5            |
| 1/2"    | 3/8"      | <b>7116X12</b>      | 5            |



## Male Swivel Run Tees

| Tube OD | Male NPTF          | Forged Brass Part # | Optional Qty |
|---------|--------------------|---------------------|--------------|
| 1/8"    | 1/8"               | <b>71S4X4</b>       | 10           |
| 5/32"   | 10-32 <sup>1</sup> | <b>71S5X10</b>      | 10           |
| 5/32"   | 1/8"               | <b>71S5X4</b>       | 5            |
| 1/4"    | 1/8"               | <b>71S8X4</b>       | 5            |
| 1/4"    | 1/4"               | <b>71S8X8</b>       | 5            |
| 3/8"    | 1/4"               | <b>71S12X8</b>      | 5            |
| 3/8"    | 3/8"               | <b>71S12X12</b>     | 5            |
| 1/2"    | 3/8"               | <b>71S16X12</b>     | 5            |
| 1/2"    | 1/2"               | <b>71S16X16</b>     | 5            |



<sup>1</sup> UNF - Straight thread, supplied with gasket.

## Stainless Steel Legris Push-In Fittings

### Applications:

Suitable for many industries such as: chemical, food, packaging and medical.

### Features:

- temperature range: **-4°F to 245°F (-20°C to 118°C)**
- maximum operating pressure: **290 PSI**
- vacuum capability: 28" HG
- *Maximum circuit pressure depends equally on the type and diameter of the tube used.*
- materials conforming to FDA and 1934/2004 CE standards



### Compatible with a range of tubes:

- semi-rigid nylon tube
- flexible polyurethane tube
- low density polyethylene
- PTFE tube FEP 140
- stainless steel and copper tube (when grooved)

### Materials of Construction:

- body - AISI 316 stainless steel
- backup washer - 316L stainless steel
- collet - 303L stainless steel
- seal - FKM O-ring
- Thread sealant does not come pre-applied on male threads, allowing the appropriate sealant for the application to be applied by the user.
- silicone free

### Straight Male Connectors

| Tube OD | Male NPT | Stainless Steel Part # | Pkg Qty |
|---------|----------|------------------------|---------|
| 1/4"    | 1/8"     | <b>38055611</b>        | 10      |
| 1/4"    | 1/4"     | <b>38055614</b>        | 10      |
| 3/8"    | 1/4"     | <b>38056014</b>        | 10      |
| 3/8"    | 3/8"     | <b>38056018</b>        | 10      |
| 1/2"    | 3/8"     | <b>38056218</b>        | 10      |
| 1/2"    | 1/2"     | <b>38056222</b>        | 10      |

- internal hex allows ease of assembly in tight places



### Unions

| Tube OD | Stainless Steel Part # | Pkg Qty |
|---------|------------------------|---------|
| 1/4"    | <b>38065600</b>        | 10      |
| 3/8"    | <b>38066000</b>        | 10      |
| 1/2"    | <b>38066200</b>        | 10      |



### Bulkhead Connectors Unions

| Tube OD | Stainless Steel Part # | Pkg Qty |
|---------|------------------------|---------|
| 1/4"    | <b>38165600</b>        | 10      |
| 3/8"    | <b>38166000</b>        | 10      |
| 1/2"    | <b>38166200</b>        | 10      |



## Stainless Steel Legris Push-In Fittings

## Male Elbows

| Tube OD | Male NPT | Stainless Steel Part # | Pkg Qty |
|---------|----------|------------------------|---------|
| 1/4"    | 1/8"     | <b>38895611</b>        | 10      |
| 1/4"    | 1/4"     | <b>38895614</b>        | 10      |
| 3/8"    | 1/4"     | <b>38896014</b>        | 10      |
| 3/8"    | 3/8"     | <b>38896018</b>        | 10      |
| 1/2"    | 3/8"     | <b>38896218</b>        | 10      |
| 1/2"    | 1/2"     | <b>38896222</b>        | 10      |



- body is orientable for positioning purposes

## Equal Elbow Unions

| Tube OD | Stainless Steel Part # | Pkg Qty |
|---------|------------------------|---------|
| 1/4"    | <b>38025600</b>        | 10      |



## Union Tees

| Tube OD | Stainless Steel Part # | Pkg Qty |
|---------|------------------------|---------|
| 1/4"    | <b>38045600</b>        | 10      |
| 3/8"    | <b>38046000</b>        | 10      |
| 1/2"    | <b>38046200</b>        | 10      |





## Nickel-Plated Brass Legris Push-In Fittings

**Applications:**

- Push-to-connect forged fittings are nickel plated and have an FKM seal making them suitable to use with liquids and gaseous fluids.
- Fittings are plated with a high phosphorous FDA nickel plate allowing them to be used in applications where exposure to harsh environments is present.
- applications include: food industry, packaging, robotics, pulp and paper and wash down

**Features:**

- FDA compliant
- temperature range: **-4°F to 302°F (-20°C to 150°C)**
- pressure range: up to **435 PSI**
- vacuum capability: 28" HG *maximum circuit pressure depends on media, temperature and diameter of tube used*
- full flow
- excellent resistance to abrasion and corrosion
- silicone free
- available in fractional and metric sizes

**Construction:**

- body: high phosphorous FDA nickel plated brass
- back-up washer: high phosphorous FDA nickel plated brass
- collet: high phosphorous FDA nickel plated brass
- O-ring: FKM fluoroelastomer conforming to FDA standards
- base: high phosphorous FDA nickel plated brass
- thread sealant is intentionally left off product so the appropriate sealant for the application can be applied

**Male Connectors**

| Tube OD | Male NPT           | Nickel-plated Brass Part # | Optional Qty |
|---------|--------------------|----------------------------|--------------|
| 5/32"   | 10-32 <sup>1</sup> | <b>36010420</b>            | 10           |
| 5/32"   | 1/8"               | <b>36750411</b>            | 10           |
| 5/32"   | 1/4"               | <b>36750414</b>            | 10           |
| 1/4"    | 10-32 <sup>1</sup> | <b>36015620</b>            | 10           |
| 1/4"    | 1/8"               | <b>36755611</b>            | 10           |
| 1/4"    | 1/4"               | <b>36755614</b>            | 10           |
| 1/4"    | 3/8"               | <b>36755618</b>            | 10           |
| 3/8"    | 1/8"               | <b>36756011</b>            | 10           |
| 3/8"    | 1/4"               | <b>36756014</b>            | 10           |
| 3/8"    | 3/8"               | <b>36756018</b>            | 10           |
| 3/8"    | 1/2"               | <b>36756022</b>            | 10           |
| 1/2"    | 3/8"               | <b>36756218</b>            | 10           |
| 1/2"    | 1/2"               | <b>36756222</b>            | 10           |

<sup>1</sup> UNF - Straight thread, supplied with gasket and plastic button

**Female Connectors**

| Tube OD | Female NPT | Nickel-plated Brass Part # | Optional Qty |
|---------|------------|----------------------------|--------------|
| 5/32"   | 1/4"       | <b>36150414</b>            | 10           |
| 1/4"    | 1/8"       | <b>36155611</b>            | 10           |
| 1/4"    | 1/4"       | <b>36155614</b>            | 10           |
| 3/8"    | 1/4"       | <b>36156014</b>            | 10           |
| 3/8"    | 3/8"       | <b>36156018</b>            | 10           |
| 1/2"    | 3/8"       | <b>36156218</b>            | 10           |
| 1/2"    | 1/2"       | <b>36156222</b>            | 10           |

**Equal Unions**

| Tube OD | Nickel-plated Brass Part # | Optional Qty |
|---------|----------------------------|--------------|
| 5/32"   | <b>36060400</b>            | 10           |
| 1/4"    | <b>36065600</b>            | 10           |
| 3/8"    | <b>36066000</b>            | 10           |
| 1/2"    | <b>36066200</b>            | 10           |



## Nickel-Plated Brass Legris Push-In Fittings

## Union Elbows

| Tube OD | Nickel-plated Brass Part # | Optional Qty |
|---------|----------------------------|--------------|
| 5/32"   | <b>36020400</b>            | 10           |
| 1/4"    | <b>36025600</b>            | 10           |
| 3/8"    | <b>36026000</b>            | 10           |
| 1/2"    | <b>36026200</b>            | 10           |



## Male Elbows

| Tube OD | Male NPT           | Nickel-plated Brass Part # | Optional Qty |
|---------|--------------------|----------------------------|--------------|
| 5/32"   | 10-32 <sup>1</sup> | <b>36990420</b>            | 10           |
| 5/32"   | 1/8"               | <b>36090411</b>            | 10           |
| 5/32"   | 1/4"               | <b>36090414</b>            | 10           |
| 1/4"    | 1/8"               | <b>36095611</b>            | 10           |
| 1/4"    | 1/4"               | <b>36095614</b>            | 10           |
| 1/4"    | 3/8"               | <b>36095618</b>            | 10           |
| 3/8"    | 1/4"               | <b>36096014</b>            | 10           |
| 3/8"    | 3/8"               | <b>36096018</b>            | 10           |
| 3/8"    | 1/2"               | <b>36096022</b>            | 10           |
| 1/2"    | 1/2"               | <b>36096222</b>            | 10           |



- <sup>1</sup> UNF - Straight thread, supplied with gasket and plastic button
- body is orientable for positioning purposes

## Union Tees

| Tube OD | Nickel-plated Brass Part # | Optional Qty |
|---------|----------------------------|--------------|
| 5/32"   | <b>36040400</b>            | 10           |
| 1/4"    | <b>36045600</b>            | 10           |
| 3/8"    | <b>36046000</b>            | 10           |
| 1/2"    | <b>36046200</b>            | 10           |



## Male Run Tees

| Tube OD | Male NPT           | Nickel-plated Brass Part # | Optional Qty |
|---------|--------------------|----------------------------|--------------|
| 5/32"   | 10-32 <sup>1</sup> | <b>36930420</b>            | 10           |
| 5/32"   | 1/8"               | <b>36030411</b>            | 10           |
| 5/32"   | 1/4"               | <b>36030414</b>            | 10           |
| 1/4"    | 1/8"               | <b>36035611</b>            | 10           |
| 1/4"    | 1/4"               | <b>36035614</b>            | 10           |
| 1/4"    | 3/8"               | <b>36035618</b>            | 10           |
| 3/8"    | 1/4"               | <b>36036014</b>            | 10           |
| 3/8"    | 3/8"               | <b>36036018</b>            | 10           |



- <sup>1</sup> UNF - Straight thread, supplied with gasket and plastic button
- body is orientable for positioning purposes

## Nylon/Nickel-Plated Brass Legris Push-In Fittings

## Features:

- materials: nickel-plated brass threads; black body is glass-filled nylon; Buna-N D seal; polypropylene release button; silicone free
- positive seal: sealing and holding is accomplished instantaneously
- reusable: connect and disconnect numerous times
- full flow: fitting seals on outside diameter of tubing
- pre-applied thread sealant on all tapered male pipe threads
- compatible tubing: semi-rigid nylon, polyurethane and polyethylene tube
- working pressure: **290 PSI** at ambient temperature.
- *Maximum circuit pressure depends equally on the type and diameter of the tube used.*
- temperature range: **-4°F to 175°F (-20°C to 79°C)**
- vacuum capability: vacuum of 28" Hg (99% vacuum)



## Gripping Ring Technology



## Quick Connect and Disconnect:

- To connect, simply push tubing in.
- To disconnect, press the release ring towards the fitting and pull tubing out.
- No tools required.



## Male Connectors

| Tube OD | Male NPT | Nylon / Nickel-plated Brass Part # | Optional Qty |
|---------|----------|------------------------------------|--------------|
| 1/8"    | 1/16"    | <b>31755308</b>                    | 10           |
| 1/8"    | 1/8"     | <b>31755311</b>                    | 10           |
| 1/8"    | 1/4"     | <b>31755314</b>                    | 10           |
| 5/32"   | 1/8"     | <b>31750411</b>                    | 10           |
| 5/32"   | 1/4"     | <b>31750414</b>                    | 10           |
| 1/4"    | 1/8"     | <b>31755611</b>                    | 10           |
| 1/4"    | 1/4"     | <b>31755614</b>                    | 10           |
| 1/4"    | 3/8"     | <b>31755618</b>                    | 10           |
| 5/16"   | 1/8"     | <b>31750811</b>                    | 10           |
| 5/16"   | 1/4"     | <b>31750814</b>                    | 10           |
| 5/16"   | 3/8"     | <b>31750818</b>                    | 10           |
| 3/8"    | 1/8"     | <b>31756011</b>                    | 10           |
| 3/8"    | 1/4"     | <b>31756014</b>                    | 10           |
| 3/8"    | 3/8"     | <b>31756018</b>                    | 10           |
| 3/8"    | 1/2"     | <b>31756022</b>                    | 10           |
| 1/2"    | 1/4"     | <b>31756214</b>                    | 10           |
| 1/2"    | 3/8"     | <b>31756218</b>                    | 10           |
| 1/2"    | 1/2"     | <b>31756222</b>                    | 10           |

## Female Connectors

| Tube OD | Female NPT | Nylon / Nickel-plated Brass Part # | Optional Qty |
|---------|------------|------------------------------------|--------------|
| 1/8"    | 1/8"       | <b>30145311</b>                    | 10           |
| 1/8"    | 1/4"       | <b>30145314</b>                    | 10           |
| 5/32"   | 1/8"       | <b>30140411</b>                    | 10           |
| 5/32"   | 1/4"       | <b>30140414</b>                    | 10           |
| 1/4"    | 1/8"       | <b>30145611</b>                    | 10           |
| 1/4"    | 1/4"       | <b>30145614</b>                    | 10           |
| 5/16"   | 1/8"       | <b>30140811</b>                    | 10           |
| 5/16"   | 1/4"       | <b>30140814</b>                    | 10           |
| 3/8"    | 1/8"       | <b>30146011</b>                    | 10           |
| 3/8"    | 1/4"       | <b>30146014</b>                    | 10           |
| 3/8"    | 3/8"       | <b>30146018</b>                    | 10           |



## Hybrid Male Connectors

| Tube OD | Male BSPT | Nylon / Nickel-plated Brass Part # | Optional Qty |
|---------|-----------|------------------------------------|--------------|
| 1/4"    | 1/8"      | <b>31755610</b>                    | 10           |
| 1/4"    | 1/4"      | <b>31755613</b>                    | 10           |
| 3/8"    | 1/4"      | <b>31756013</b>                    | 10           |



## Nylon/Nickel-Plated Brass Legris Push-In Fittings

## Female Elbows

| Tube OD | Female NPT | Nylon / Nickel-Plated Brass Part # | Optional Qty |
|---------|------------|------------------------------------|--------------|
| 1/8"    | 1/8"       | 30095311                           | 10           |
| 5/32"   | 1/4"       | 30090414                           | 10           |
| 1/4"    | 1/8"       | 30095611                           | 10           |
| 1/4"    | 1/4"       | 30095614                           | 10           |
| 5/16"   | 1/8"       | 30090811                           | 10           |
| 5/16"   | 1/4"       | 30090814                           | 10           |
| 3/8"    | 1/4"       | 30096014                           | 10           |
| 1/2"    | 3/8"       | 30096218                           | 10           |



## Male Elbows

| Tube OD | Male NPT           | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---------|--------------------|------------------------------------|--------------|
| 1/8"    | 10-32 <sup>1</sup> | 31095320                           | 10           |
| 1/8"    | 1/16"              | 31095308                           | 10           |
| 1/8"    | 1/8"               | 31095311                           | 10           |
| 1/8"    | 1/4"               | 31095314                           | 10           |
| 5/32"   | 10-32 <sup>1</sup> | 31090420                           | 10           |
| 5/32"   | 1/8"               | 31090411                           | 10           |
| 5/32"   | 1/4"               | 31090414                           | 10           |
| 1/4"    | 10-32 <sup>1</sup> | 31095620                           | 10           |
| 1/4"    | 1/8"               | 31095611                           | 10           |
| 1/4"    | 1/4"               | 31095614                           | 10           |
| 1/4"    | 3/8"               | 31095618                           | 10           |
| 5/16"   | 1/8"               | 31090811                           | 10           |
| 5/16"   | 1/4"               | 31090814                           | 10           |
| 5/16"   | 3/8"               | 31090818                           | 10           |
| 3/8"    | 1/8"               | 31096011                           | 10           |
| 3/8"    | 1/4"               | 31096014                           | 10           |
| 3/8"    | 3/8"               | 31096018                           | 10           |
| 3/8"    | 1/2"               | 31096022                           | 10           |
| 1/2"    | 1/4"               | 31096214                           | 10           |
| 1/2"    | 3/8"               | 31096218                           | 10           |
| 1/2"    | 1/2"               | 31096222                           | 10           |



<sup>1</sup> UNF - Straight thread, supplied with gasket

- body is orientable for positioning purposes

## 45° Male Elbows

| Tube OD | Male NPT | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---------|----------|------------------------------------|--------------|
| 1/4"    | 1/8"     | 31135611                           | 10           |
| 1/4"    | 1/4"     | 31135614                           | 10           |
| 3/8"    | 1/4"     | 31136014                           | 10           |
| 3/8"    | 3/8"     | 31136018                           | 10           |



- body is orientable for positioning purposes

## Extended Male Elbows

| Tube OD | Male NPT | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---------|----------|------------------------------------|--------------|
| 1/4"    | 1/8"     | 31295611                           | 10           |
| 1/4"    | 1/4"     | 31295614                           | 10           |
| 3/8"    | 1/4"     | 31296014                           | 10           |
| 3/8"    | 3/8"     | 31296018                           | 10           |



- body is orientable for positioning purposes

## Nylon/Nickel-Plated Brass Legris Push-In Fittings

## Male Branch Tees



| Tube OD | Male NPT           | Nylon / Nickel-Plated Brass Part # | Optional Qty |
|---------|--------------------|------------------------------------|--------------|
| 1/8"    | 10-32 <sup>1</sup> | <b>31085320</b>                    | 10           |
| 1/8"    | 1/8"               | <b>31085311</b>                    | 10           |
| 5/32"   | 10-32 <sup>1</sup> | <b>31080420</b>                    | 10           |
| 5/32"   | 1/8"               | <b>31080411</b>                    | 10           |
| 5/32"   | 1/4"               | <b>31080414</b>                    | 10           |
| 1/4"    | 1/8"               | <b>31085611</b>                    | 10           |
| 1/4"    | 1/4"               | <b>31085614</b>                    | 10           |
| 1/4"    | 3/8"               | <b>31085618</b>                    | 10           |
| 5/16"   | 1/8"               | <b>31080811</b>                    | 10           |
| 5/16"   | 1/4"               | <b>31080814</b>                    | 10           |
| 5/16"   | 3/8"               | <b>31080818</b>                    | 10           |
| 3/8"    | 1/8"               | <b>31086011</b>                    | 10           |
| 3/8"    | 1/4"               | <b>31086014</b>                    | 10           |
| 3/8"    | 3/8"               | <b>31086018</b>                    | 10           |
| 3/8"    | 1/2"               | <b>31086022</b>                    | 10           |
| 1/2"    | 1/4"               | <b>31086214</b>                    | 10           |
| 1/2"    | 3/8"               | <b>31086218</b>                    | 10           |
| 1/2"    | 1/2"               | <b>31086222</b>                    | 10           |

<sup>1</sup> UNF - Straight thread, supplied with gasket

- body is orientable for positioning purposes

## Male Run Tees



| Tube OD | Male NPT           | Nylon / Nickel-Plated Brass Part # | Optional Qty |
|---------|--------------------|------------------------------------|--------------|
| 1/8"    | 10-32 <sup>1</sup> | <b>31035320</b>                    | 10           |
| 1/8"    | 1/16"              | <b>31035308</b>                    | 10           |
| 1/8"    | 1/8"               | <b>31035311</b>                    | 10           |
| 5/32"   | 10-32 <sup>1</sup> | <b>31030420</b>                    | 10           |
| 5/32"   | 1/8"               | <b>31030411</b>                    | 10           |
| 5/32"   | 1/4"               | <b>31030414</b>                    | 10           |
| 1/4"    | 1/8"               | <b>31035611</b>                    | 10           |
| 1/4"    | 1/4"               | <b>31035614</b>                    | 10           |
| 1/4"    | 3/8"               | <b>31035618</b>                    | 10           |
| 5/16"   | 1/8"               | <b>31030811</b>                    | 10           |
| 5/16"   | 1/4"               | <b>31030814</b>                    | 10           |
| 3/8"    | 1/8"               | <b>31036011</b>                    | 10           |
| 3/8"    | 1/4"               | <b>31036014</b>                    | 10           |
| 3/8"    | 3/8"               | <b>31036018</b>                    | 10           |
| 1/2"    | 1/4"               | <b>31036214</b>                    | 10           |
| 1/2"    | 3/8"               | <b>31036218</b>                    | 10           |
| 1/2"    | 1/2"               | <b>31036222</b>                    | 10           |

<sup>1</sup> UNF - Straight thread, supplied with gasket

- body is orientable for positioning purposes

## Push-In Male Wyes



| Tube OD | Male NPT | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---------|----------|------------------------------------|--------------|
| 5/32"   | 1/8"     | <b>31480411</b>                    | 10           |
| 5/32"   | 1/4"     | <b>31480414</b>                    | 10           |
| 1/4"    | 1/8"     | <b>31485611</b>                    | 10           |
| 1/4"    | 1/4"     | <b>31485614</b>                    | 10           |

- body is orientable for positioning purposes

## Nylon Legris Push-In Fittings

## Unions

| Tube OD | Nylon Part # | Optional Qty |
|---------|--------------|--------------|
| 1/8"    | 31065300     | 10           |
| 5/32"   | 31060400     | 10           |
| 1/4"    | 31065600     | 10           |
| 5/16"   | 31060800     | 10           |
| 3/8"    | 31066000     | 10           |
| 1/2"    | 31066200     | 10           |



## Bulkhead Unions

| Tube OD | Nylon Part # | Optional Qty |
|---------|--------------|--------------|
| 1/8"    | 31165300     | 10           |
| 5/32"   | 31160400     | 10           |
| 1/4"    | 31165600     | 10           |
| 5/16"   | 31160800     | 10           |
| 3/8"    | 31166000     | 10           |
| 1/2"    | 31166200     | 10           |



## Union Elbows

| Tube OD | Nylon Part # | Optional Qty |
|---------|--------------|--------------|
| 1/8"    | 31025300     | 10           |
| 5/32"   | 31020400     | 10           |
| 1/4"    | 31025600     | 10           |
| 5/16"   | 31020800     | 10           |
| 3/8"    | 31026000     | 10           |
| 1/2"    | 31026200     | 10           |



## Plugs

| Tube OD | Plastic Part # | Optional Qty |
|---------|----------------|--------------|
| 1/8"    | 31265300       | 10           |
| 5/32"   | 31260400       | 10           |
| 1/4"    | 31265600       | 10           |
| 5/16"   | 31260800       | 10           |
| 3/8"    | 31266000       | 10           |
| 1/2"    | 31266200       | 10           |



## Union Tees

| Tube OD | Nylon Part # | Optional Qty |
|---------|--------------|--------------|
| 1/8"    | 31045300     | 10           |
| 5/32"   | 31040400     | 10           |
| 1/4"    | 31045600     | 10           |
| 5/16"   | 31040800     | 10           |
| 3/8"    | 31046000     | 10           |
| 1/2"    | 31046200     | 10           |



## Tube Wyes

| Tube OD | Nylon Part # | Optional Qty |
|---------|--------------|--------------|
| 1/8"    | 31405300     | 10           |
| 5/32"   | 31400400     | 10           |
| 1/4"    | 31405600     | 10           |
| 5/16"   | 31400800     | 10           |
| 3/8"    | 31406000     | 10           |





## Nylon / Nickel-Plated Brass Legris Push-In Fitting Kit

**Features:**

- kit includes plastic case with threaded connectors, threaded elbows and several tube to tube connector configurations found on pages 350 to 353
- a tubing cutter is also included



Part #

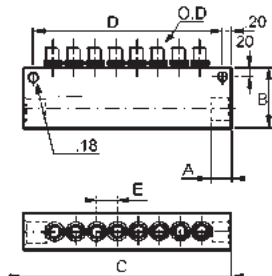
**TFK****Kit contains the following parts:**

| Part #          | Qty | Description                |
|-----------------|-----|----------------------------|
| <b>31755311</b> | 10  | tube to male NPT connector |
| <b>31750411</b> | 10  | tube to male NPT connector |
| <b>31755611</b> | 10  | tube to male NPT connector |
| <b>31755614</b> | 10  | tube to male NPT connector |
| <b>31756014</b> | 5   | tube to male NPT connector |
| <b>31756018</b> | 5   | tube to male NPT connector |
| <b>31090411</b> | 10  | tube to male NPT elbow     |
| <b>31095611</b> | 10  | tube to male NPT elbow     |
| <b>31095614</b> | 10  | tube to male NPT elbow     |
| <b>31096011</b> | 5   | tube to male NPT elbow     |
| <b>31096014</b> | 5   | tube to male NPT elbow     |
| <b>31096018</b> | 5   | tube to male NPT elbow     |
| <b>31060400</b> | 10  | tube to tube union         |
| <b>31065600</b> | 10  | tube to tube union         |
| <b>31066000</b> | 5   | tube to tube union         |
| <b>31400400</b> | 10  | Y connector                |
| <b>31405600</b> | 10  | Y connector                |
| <b>31406000</b> | 5   | Y connector                |
| <b>31040400</b> | 10  | tube to tube union tee     |
| <b>31045600</b> | 5   | tube to tube union tee     |
| <b>31046000</b> | 5   | tube to tube union tee     |
| <b>30007100</b> | 1   | tubing cutter              |

## Legris Modular Manifolds

**Feature:**

- manifold with push to connect ports



| OD   | NPT Size | Number of Outlets | Dimensions |      |      |      |     | Part #          |
|------|----------|-------------------|------------|------|------|------|-----|-----------------|
|      |          |                   | A          | B    | C    | D    | E   |                 |
| 1/4" | 1/4"     | 8                 | .55        | 1.30 | 4.92 | 4.53 | .50 | <b>33155614</b> |

## Legris Composite Mini Ball Valves

### Application:

- valves enable in-line opening and closing of a pneumatic circuit

### Features:

- 2-way, non-venting valve
- compact and lightweight, suited to all types of installation
- suitable fluid: compressed air
- maximum operating pressure: **145 PSI**
- vacuum rating: vacuum of 28" Hg (99% of vacuum)
- temperature range: **-4°F to 175°F (-20°C to 79°C)**
- nylon body with nickel-plated brass ball
- a screwdriver slot allows opening and closing even when access is difficult
- handle is differentiated by a blue color and marked with the corresponding pneumatic symbol enabling immediate identification by the user



| Size  | Part #          |
|-------|-----------------|
| 5/32" | <b>79100400</b> |
| 1/4"  | <b>79105600</b> |
| 5/16" | <b>79100800</b> |
| 3/8"  | <b>79106000</b> |

## Legris Quick Exhaust Valves

### Application:

- can be used with all pneumatic equipment

### Features:

- increases system efficiency and the speed of a cylinder by purging cylinder air at the cylinder port rather than the control valve
- pressure range: **10 PSI to 150 PSI**
- temperature range: **0°F to 160°F (-17°C to 71°C)**
- body: nickel-plated brass
- piston: polyurethane
- seals: nylon



| NPT Thread | Part #          |
|------------|-----------------|
| 1/8"       | <b>79821111</b> |
| 1/4"       | <b>79821414</b> |
| 3/8"       | <b>79821818</b> |
| 1/2"       | <b>79822222</b> |

## Legris Compact Flow Control Valves

### Features:

- Valves control the speed of a cylinder by regulating air exhaust. Intake air flows freely through the flow control and exhaust air is metered out through a specially designed fine adjustment screw.
- push-to connect, meter out flow control, one-piece design
- body: nylon
- control pressure range: **15 PSI to 145 PSI**
- temperature range: **32°F to 158°F (0°C to 70°C)**



| Tube OD | NPT Size | Part #          | Pkg Qty |
|---------|----------|-----------------|---------|
| 5/32"   | 1/8"     | <b>70650411</b> | 10      |
| 1/4"    | 1/8"     | <b>70655611</b> | 10      |
| 1/4"    | 1/4"     | <b>70655614</b> | 10      |
| 3/8"    | 1/4"     | <b>70656014</b> | 10      |
| 3/8"    | 3/8"     | <b>70656018</b> | 10      |

## Legris Flow Control Valves

## Miniature Exhaust

## Features:

- Valves control the speed of a cylinder by regulating air exhaust. Intake air flows freely through the flow control and exhaust air is metered out through a specially designed fine adjustment screw.
- push-to connect, meter out flow control, one-piece design.
- body: nylon
- control pressure range: **15 PSI to 145 PSI**
- temperature range: **30°F to 158°F (-1°C to 70°C)**



| Tube OD | NPT Size           | Part #          | Pkg Qty |
|---------|--------------------|-----------------|---------|
| 5/32"   | 10-32 <sup>1</sup> | <b>76600420</b> | 10      |
| 5/32"   | 1/8"               | <b>76650411</b> | 10      |
| 1/4"    | 10-32 <sup>1</sup> | <b>76605620</b> | 10      |
| 1/4"    | 1/8"               | <b>76655611</b> | 10      |
| 1/4"    | 1/4"               | <b>76655614</b> | 10      |

<sup>1</sup> UNF - Straight thread, supplied with gasket

## In-Line

## Application:

- used where cylinder access is difficult or another fitting is attached to the cylinder port

## Features:

- working fluid: compressed air
- pressure range: **15 PSI to 145 PSI**
- temperature range: **32°F to 158°F (0°C to 70°C)**
- stackable using the 2 joining clips supplied or panel mountable using existing holes
- body: nylon
- gripping ring: stainless steel
- adjustment screw: nickel-plated brass
- locking nut: nickel-plated brass



| Tube OD | Part #          | Pkg Qty |
|---------|-----------------|---------|
| 5/32"   | <b>77700400</b> | 10      |
| 1/4"    | <b>77705600</b> | 10      |
| 3/8"    | <b>77706000</b> | 10      |
| 1/2"    | <b>77706200</b> | 10      |

## Threaded In-Line

## Features:

- intake air flows freely through the flow control; exhaust air is metered out through an adjustment screw
- arrow on the body of the valve indicates the direction of controlled flow
- may be installed as meter in or meter out devices
- unidirectional flow control valves
- working fluid: compressed air
- pressure range: **15 PSI to 145 PSI**
- temperature range: **32°F to 158°F (0°C to 70°C)**
- body: nylon with nickel plated brass thread
- adjustment screw: nickel-plated brass
- locking nut: nickel-plated brass
- threads: nickel-plated brass



| Female NPT | Part #          |
|------------|-----------------|
| 1/8"       | <b>77751111</b> |
| 1/4"       | <b>77751414</b> |
| 3/8"       | <b>77751818</b> |
| 1/2"       | <b>77752222</b> |

## Legris Check Valves

## Non-Return In-Line

## Features:

- allows air to pass in one direction while blocking flow in the other direction, a pressure of more than 7 PSI will overcome the spring pressure and allow flow
- arrow indicates free flow direction
- body: nylon/nickel plated brass
- maximum operating pressure: **145 PSI** at ambient temperature **70°F (21°C)**

| Tube OD | Part #          | Pkg Qty |
|---------|-----------------|---------|
| 5/32"   | <b>79960400</b> | 10      |
| 6mm     | <b>79960600</b> | 10      |
| 1/4"    | <b>79965600</b> | 10      |
| 5/16"   | <b>79960800</b> | 10      |



## In-Line

## Application:

- suitable as a safety item in compressed air circuits

## Features:

- compact, lightweight design meter out check valves
- allows air to pass in one direction while blocking flow in the other direction
- arrow on body of the fitting indicates direction of flow, a pressure of more than 7 PSI will overcome spring pressure keeping the valve closed, thus allowing the passage of air
- pressure range: **15 PSI** to **145 PSI** at ambient temperature **70°F (21°C)**
- body: nylon with nickel plated brass base
- pre-applied thread sealant on tapered threads

| Tube OD | NPT Size           | Part #          |
|---------|--------------------|-----------------|
| 5/32"   | 10-32 <sup>1</sup> | <b>79940420</b> |
| 5/32"   | 1/8"               | <b>79950411</b> |
| 1/4"    | 1/8"               | <b>79955611</b> |
| 1/4"    | 1/4"               | <b>79955614</b> |
| 3/8"    | 1/4"               | <b>79956014</b> |
| 3/8"    | 3/8"               | <b>79956018</b> |

<sup>1</sup> UNF - Straight thread, supplied with gasket



## Uni-Directional

## Features:

- blocks the fluid passage when the pressure differential is lower than 3.6 PSI
- pressure range: **7 PSI** to **580 PSI**
- temperature range: **-4°F** to **356°F (-20° to 180°C)**
- body: 316L stainless steel
- shut-off valve: 316L stainless steel
- return spring: 302 stainless steel
- seals: FKM

| NPT Thread | Part #          |
|------------|-----------------|
| 1/8"       | <b>48951111</b> |
| 1/4"       | <b>48951414</b> |
| 3/8"       | <b>48951818</b> |
| 1/2"       | <b>48952222</b> |



## Legris Metric Push-In Fittings

- Pneumatic Fittings**
- Features:**
- materials: nickel-plated brass, black glass-filled nylon body, Buna-N D-seal, polypropylene release button, silicone free and nylon nickel plated brass or nylon
  - positive seal: sealing and holding is accomplished instantaneously
  - reusable: connect and disconnect numerous times
  - full flow: fitting seals on outside diameter of tubing
  - pressure rating: **290 PSI** at ambient temperature
  - temperature range: **-4°F to 175°F (-20°C to 79°C)**
  - pre-applied thread sealant on all tapered male pipe threads
  - compatible tubing: semi-rigid nylon, polyurethane and polyethylene tube
  - vacuum rating: vacuum of 28" Hg (99% vacuum)

## Gripping Ring Technology

**Quick Connect and Disconnect:**

- to connect: simply push tubing in
- to disconnect: press the release ring towards the fitting and pull tubing out
- no tools required

**Male BSPT Connectors**

| Tube OD | Male BSPT | Nickel Plated Brass Part # | Pkg Qty |
|---------|-----------|----------------------------|---------|
| 4 mm    | 1/8"      | <b>31750410</b>            | 10      |
| 4 mm    | 1/4"      | <b>31750413</b>            | 10      |
| 6 mm    | 1/8"      | <b>31750610</b>            | 10      |
| 6 mm    | 1/4"      | <b>31750613</b>            | 10      |
| 8 mm    | 1/8"      | <b>31750810</b>            | 10      |
| 8 mm    | 1/4"      | <b>31750813</b>            | 10      |
| 8 mm    | 3/8"      | <b>31750817</b>            | 10      |
| 10 mm   | 1/4"      | <b>31751013</b>            | 10      |
| 10 mm   | 3/8"      | <b>31751017</b>            | 10      |

- internal hex allows ease of assembly in tight places

**Female BSPP Connectors**

| Tube OD | Female BSPP | Nickel Plated Brass Part # | Pkg Qty |
|---------|-------------|----------------------------|---------|
| 4 mm    | 1/8"        | <b>31140410</b>            | 10      |
| 4 mm    | 1/4"        | <b>31140413</b>            | 10      |
| 6 mm    | 1/8"        | <b>31140610</b>            | 10      |
| 6 mm    | 1/4"        | <b>31140613</b>            | 10      |
| 8 mm    | 1/8"        | <b>31140810</b>            | 10      |
| 8 mm    | 1/4"        | <b>31140813</b>            | 10      |

**Male BSPT Elbows**

| Tube OD | Male BSPT | Nylon / Nickel Plated Brass Part # | Pkg Qty |
|---------|-----------|------------------------------------|---------|
| 4 mm    | 1/8"      | <b>31090410</b>                    | 10      |
| 4 mm    | 1/4"      | <b>31090413</b>                    | 10      |
| 6 mm    | 1/8"      | <b>31090610</b>                    | 10      |
| 6 mm    | 1/4"      | <b>31090613</b>                    | 10      |
| 8 mm    | 1/8"      | <b>31090810</b>                    | 10      |
| 8 mm    | 1/4"      | <b>31090813</b>                    | 10      |
| 8 mm    | 3/8"      | <b>31090817</b>                    | 10      |
| 10 mm   | 1/4"      | <b>31091013</b>                    | 10      |
| 10 mm   | 3/8"      | <b>31091017</b>                    | 10      |

- body is orientable for positioning purposes

## Legris Metric Push-In Fittings

## Male Branch Tees

| Tube OD | Male BSPT | Nylon / Nickel Plated Brass<br>Part # | Pkg Qty |
|---------|-----------|---------------------------------------|---------|
| 4 mm    | 1/8"      | <b>31080410</b>                       | 10      |
| 4 mm    | 1/4"      | <b>31080413</b>                       | 10      |
| 6 mm    | 1/8"      | <b>31080610</b>                       | 10      |
| 6 mm    | 1/4"      | <b>31080613</b>                       | 10      |
| 8 mm    | 1/8"      | <b>31080810</b>                       | 10      |
| 8 mm    | 1/4"      | <b>31080813</b>                       | 10      |



- body is orientable for positioning purposes

## Nylon Tubing

## Features:

- translucent color
- resistant to fungus, abrasion, moisture and UV
- temperature range: **-60°F to 200°F (-51°C to 93°C)**

| Size<br>OD | ID     | Wall Thickness | Working Pressure<br>@ 75°F (24°C) | Length | Part #           |
|------------|--------|----------------|-----------------------------------|--------|------------------|
| 4 mm       | 2.7 mm | .65 mm         | <b>350</b>                        | 25 m   | <b>1025P0400</b> |
| 6 mm       | 4 mm   | 1 mm           | <b>340</b>                        | 25 m   | <b>1025P0600</b> |
| 8 mm       | 6 mm   | 1 mm           | <b>250</b>                        | 25 m   | <b>1025P0800</b> |



Tubing cutters sold on page 892

## Male Threaded Connectors

## Feature:

- internal hex allows ease of assembly in tight places

| Tube OD | Male Thread | Nickel Plated Brass<br>Part # | Pkg Qty |
|---------|-------------|-------------------------------|---------|
| 4 mm    | M5          | <b>31010419</b>               | 10      |
| 4 mm    | 1/8 BSPP    | <b>31010410</b>               | 10      |
| 6 mm    | M5          | <b>31010619</b>               | 10      |
| 6 mm    | 1/8 BSPP    | <b>31010610</b>               | 10      |
| 6 mm    | 1/4 BSPP    | <b>31010613</b>               | 10      |
| 8 mm    | 1/8 BSPP    | <b>31010810</b>               | 10      |
| 8 mm    | 1/4 BSPP    | <b>31010813</b>               | 10      |
| 10 mm   | 1/4 BSPP    | <b>31011013</b>               | 10      |



## Bulkhead Union

| Tube OD | Tube OD | Nylon<br>Part # | Pkg Qty |
|---------|---------|-----------------|---------|
| 6 mm    | 6 mm    | <b>31160600</b> | 10      |



## Unions

| Tube OD | Tube OD | Nylon<br>Part # | Pkg Qty |
|---------|---------|-----------------|---------|
| 4 mm    | 6 mm    | <b>31060406</b> | 10      |
| 6 mm    | 6 mm    | <b>31060600</b> | 10      |
| 10 mm   | 10 mm   | <b>31061000</b> | 10      |





## Legris Metric Push-In Fittings

## Male Elbows



| Tube OD | Male Thread | Nylon / Nickel Plated Brass<br>Part # | Pkg Qty |
|---------|-------------|---------------------------------------|---------|
| 4 mm    | M5          | <b>31990419</b>                       | 10      |
| 4 mm    | 1/8 BSPP    | <b>31990410</b>                       | 10      |
| 6 mm    | M5          | <b>31990619</b>                       | 10      |
| 6 mm    | 1/8 BSPP    | <b>31990610</b>                       | 10      |
| 6 mm    | 1/4 BSPP    | <b>31990613</b>                       | 10      |
| 8 mm    | 1/8 BSPP    | <b>31990810</b>                       | 10      |
| 8 mm    | 1/4 BSPP    | <b>31990813</b>                       | 10      |
| 10 mm   | 1/4 BSPP    | <b>31991013</b>                       | 10      |

- body is orientable for positioning purposes

## Union Elbows



| Tube OD | Tube OD | Nylon<br>Part # | Pkg Qty |
|---------|---------|-----------------|---------|
| 6 mm    | 6 mm    | <b>31020600</b> | 10      |
| 10 mm   | 10 mm   | <b>31021000</b> | 10      |

## Union Tees



| Tube OD | Nylon<br>Part # | Pkg Qty |
|---------|-----------------|---------|
| 6 mm    | <b>31040600</b> | 10      |
| 10 mm   | <b>31041000</b> | 10      |

## Y Connector



| Tube OD | Tube OD | Nylon<br>Part # | Pkg Qty |
|---------|---------|-----------------|---------|
| 6 mm    | 6 mm    | <b>31400600</b> | 10      |

## Plugs



| Tube OD | Tube OD | Plastic<br>Part # | Pkg Qty |
|---------|---------|-------------------|---------|
| 6 mm    | 6 mm    | <b>31260600</b>   | 10      |
| 10 mm   | 10 mm   | <b>31261000</b>   | 10      |

|   |                        |                                   |                        |
|---|------------------------|-----------------------------------|------------------------|
| <b>Safety Cables</b> .....                                  | 362 to 364             | <b>FRL's (cont.)</b> ...          | 368 to 370, 377 to 434 |
| King Cable™ .....   | 362                    | Regulators.....                   | 429, 430               |
| Nylon King Cable™ .....                                     | 363                    | Lubricators .....                 | 431                    |
| King™ safety whipsocks.....                                 | 364                    | Combination units .....           | 432                    |
| King™ safety shackles .....                                 | 364                    | Accessories and repair kits ..... | 433 to 434             |
| ASME air receiver manifold with King™ safety whipsock ..... | 364                    |                                   |                        |
| <b>Air Tanks and Manifolds</b> .....                        | 365 to 367             | <b>Gauges</b> .....               | 435 to 444             |
| ASME air receiver manifolds .....                           | 365 to 366             | Dry .....                         | 435 to 438             |
| Manifolds .....   | 366 to 367             | Process.....                      | 437                    |
| Compressor Y.....   | 367                    | Panel builder.....                | 439                    |
| Lubricants .....  | 367                    | Contractor pressure.....          | 439                    |
|   |                        | Compound.....                     | 440                    |
| <b>Blow guns</b> .....                                      | 371 to 375             | Vacuum.....                       | 440                    |
| Safety .....  | 371 to 372             | Liquid filled.....                | 441 to 443             |
| Non-Safety.....   | 373                    | Welding.....                      | 443                    |
| Heavy duty.....   | 374                    | Digital.....                      | 444                    |
| High volume.....  | 375                    | 180° steam gauge siphon.....      | 444                    |
| <b>Tire pressure gauges</b> .....                           | 376                    |                                   |                        |
| <b>FRL's</b> .....  | 368 to 370, 377 to 434 | <b>Thermometers</b> .....         | 445 to 446             |
| In-line lubricators .....                                   | 368 to 369             | Bi-metal .....                    | 445 to 446             |
| In-line filters .....                                       | 368, 369, 370          | Magnetic surface mount .....      | 446                    |
| Non-repairable general purpose regulator.....               | 370                    | Threaded thermowell.....          | 446                    |
| Wilkerson .....   | 377 to 405             | <b>Swivel Fittings</b> .....      | 447                    |
| Miniatures .....  | 377 to 380             | Ball .....                        | 447                    |
| Filters .....   | 381 to 385             | Push-on.....                      | 447                    |
| Manual in-line desiccant dryer .....                        | 386                    | In-line .....                     | 447                    |
| Regulators.....   | 386 to 92              | Air tool swivel.....              | 447                    |
| Filter / regulator.....                                     | 391 to 392             |                                   |                        |
| Lubricators .....   | 392 to 395             | <b>Mufflers and Vents</b> .....   | 448                    |
| Combination units .....                                     | 395 to 399             | Breather Vents .....              | 448                    |
| Exhaust mufflers .....                                      | 399                    | Conical muffler .....             | 448                    |
| Automatic drains .....                                      | 400                    | Speed control muffler.....        | 448                    |
| Lockout valves .....  | 400                    |                                   |                        |
| Accessories and repair kits .....                           | 401 to 405             |                                   |                        |
| Display .....   | 405                    |                                   |                        |
| Series 1 .....  | 406 to 427             |                                   |                        |
| Display .....   | 406                    |                                   |                        |
| Miniatures .....  | 406 to 408             |                                   |                        |
| Filters .....   | 409 to 411             |                                   |                        |
| Regulators.....   | 412 to 416             |                                   |                        |
| Filter / regulators .....                                   | 415 to 416             |                                   |                        |
| Lubricators .....   | 417 to 420             |                                   |                        |
| Combination units .....                                     | 421                    |                                   |                        |
| Accessories and repair kits .....                           | 422 to 427             |                                   |                        |
| Watts .....   | 428 to 434             |                                   |                        |
| Filters .....   | 428                    |                                   |                        |
| Filter / regulators .....                                   | 429                    |                                   |                        |

## ⚠ WARNING

The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection. The whip hose should remain permanently connected to the tool.

## King Cable™

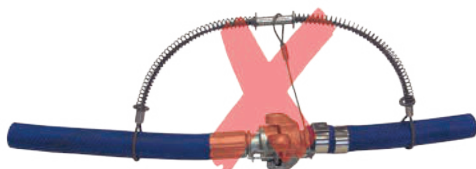
## Features:

- must be installed in the extended position (no slack)
- cable reaches across hose fittings to provide standby safety for hose
- spring-loaded loops in the cable ends open easily to pass over the couplings for a firm grip on the hose
- no tools needed - easy to install and remove
- cables shipped with safety restraint labels attached
- highly resistant to rust and corrosion
- hose-to-hose or hose-to-rigid outlet
- maximum operating pressure: **200 PSI**
- minimizes damage to equipment and injuries to operators in the event hose, couplings or clamps fail, or there is an accidental separation of the assembly



## Materials:

- For WB1, WB3, WA2, WA4, WSR1, WSR3, WSR2, WSR4, WSR1C, WB1C, WSR1E:  
wire rope: galvanized carbon steel  
ferrules: aluminum  
springs: galvanized carbon steel
- For WB1SS, WA2SS, WSR1SS, WSR2SS:  
wire rope: 304 stainless steel  
ferrules: copper  
springs: 304 stainless steel
- For WA2B:  
wire rope: galvanized carbon steel  
ferrules: copper  
springs: galvanized carbon steel



incorrect installation



correct installation

## Hose-to-Tool Service



hose end

tool end

| Hose ID       | Cable | Length  | Maximum Working Pressure (PSI) | Steel Part # | Stainless Steel Part # |
|---------------|-------|---------|--------------------------------|--------------|------------------------|
| 1/2" - 1 1/4" | 1/8"  | 20 1/4" | 200                            | <b>WSR1</b>  | <b>WSR1SS</b>          |
| 1/2" - 2"     | 3/16" | 28"     | 200                            | <b>WSR3</b>  | ---                    |
| 1 1/2" - 3"   | 1/4"  | 38"     | 200                            | <b>WSR2</b>  | <b>WSR2SS</b>          |
| 4"            | 3/8"  | 44"     | 200                            | <b>WSR4</b>  | ---                    |

## Hose-to-Hose Service



hose end

hose end

| Hose ID       | Cable | Length  | Maximum Working Pressure (PSI) | Steel Part # | Stainless Steel Part # |
|---------------|-------|---------|--------------------------------|--------------|------------------------|
| 1/2" - 1 1/4" | 1/8"  | 20 1/4" | 200                            | <b>WB1</b>   | <b>WB1SS</b>           |
| 1/2" - 2"     | 3/16" | 28"     | 200                            | <b>WB3</b>   | ---                    |
| 1 1/2" - 3"   | 1/4"  | 38"     | 200                            | <b>WA2</b>   | <b>WA2SS</b>           |
| 4"            | 3/8"  | 44"     | 200                            | <b>WA4</b>   | ---                    |

## King Cable™ Options



WB1C - WB1 with safety clip and lanyard



WSR1E - WSR1E with stainless steel marine eye

| Hose ID       | Cable | Part #       | Description  | Max. Work. Press. PSI |
|---------------|-------|--------------|--|-----------------------|
| 1/2" - 1 1/4" | 1/8"  | <b>WSR1C</b> | WSR1 with safety clip and lanyard used to lock Air King™ couplings                         | 200                   |
| 1/2" - 1 1/4" | 1/8"  | <b>WB1C</b>  | WB1 with safety clip and lanyard used to lock Air King™ couplings                          | 200                   |
| 1/2" - 1 1/4" | 1/8"  | <b>WSR1E</b> | WSR1 with stainless steel safety marine eye used to connect safety cable to a bolt on tool | 200                   |
| 1 1/2" - 3"   | 1/4"  | <b>WA2B</b>  | WA2 with bronze/copper ferrule for special environmental conditions                        | 200                   |

## Nylon King Cable™

**Applications:**

- pneumatic, hydraulic and water hoses

**Features:**

- strong, flexible nylon webbing
- superior corrosion and spark resistance over metal restraints
- rubber grommets securely choke eyes around hose
- must be installed in the extended position (no slack)
- shipped with labels detailing working pressures and safety instructions
- maximum working temperature: **200°F (93°C)**
- minimizes damage to equipment and injuries to operators in the event hose, couplings or clamps fail, or there is an accidental separation of the assembly
- contact Dixon at 888.226.4673 for additional options

**Materials:**

- strap: nylon
- grommets: rubber

| Length | Recommended for use on the following hose inside diameters: |        |       |       |       |       |     |     | Nylon<br>Part # |
|--------|---|--------|-------|-------|-------|-------|-----|-----|-----------------|
|        | ¼"  | ½"     | ¾"    | 1"    | 2"    | 3"    | 4"  | 6"  |                 |
|        | Hose maximum working pressure (PSI) for above hose ID's     |        |       |       |       |       |     |     |                 |
| 30"    | 26,000  | 6,500  | 2,900 | 1,650 | 400   | ---   | --- | -   | <b>WBN130</b>   |
| 40"    | ---   | ---    | ---   | 1,650 | 400   | 175   | 100 | -   | <b>WBN140</b>   |
| 30"    | 52,000  | 13,000 | 5,800 | 3,300 | 750   | ---   | --- | -   | <b>WBN230</b>   |
| 64"    | ---   | ---    | ---   | ---   | 750   | 350   | 200 | 90  | <b>WBN264</b>   |
| 44"    | ---   | ---    | ---   | 7,300 | 1,800 | 820   | 450 | -   | <b>WBN344</b>   |
| 64"    | ---   | ---    | ---   | ---   | 2,300 | 1,040 | 580 | 260 | <b>WBN464</b>   |

Pneumatic  
Accessories



## King™ Safety Whipsocks

**Application:**

- ideally suited for applications where the media being transferred is under higher working pressures such as air, water, hydraulic and slurry

**Features:**

- King™ Safety Whipsocks keep the hose under control in the event of a high-pressure hose assembly failure.
- dual anchor points secured beyond the fittings eliminate hose whip
- be sure the anchoring points are rated for the application
- galvanized steel woven stockings extend down the hose to grip securely over a larger area preventing whip, abrasion and wear
- securing both eye-to-rigid or eye-to-eye anchor points reduce whip in the event of a hose connection failure
- contact Dixon® with questions regarding working pressure, available options or custom configurations

**Materials:**

- wire rope: galvanized carbon steel
- ferrules: aluminum

| Size   | OD Range        | Length | Max. Working Pressure PSI | Part #       |
|--------|-----------------|--------|---------------------------|--------------|
| 3/8"   | .315" - .5512"  | 15.75" | <b>5000</b>               | <b>KSW06</b> |
| 1/2"   | .5512" - .7874" | 21.65" | <b>3000</b>               | <b>KSW08</b> |
| 3/4"   | .7874" - 1.181" | 25.20" | <b>2000</b>               | <b>KSW12</b> |
| 1"     | 1.181" - 1.575" | 34.25" | <b>1500</b>               | <b>KSW16</b> |
| 1 1/4" | 1.575" - 1.969" | 38.19" | <b>1000</b>               | <b>KSW20</b> |
| 1 1/2" | 1.969" - 2.362" | 49.21" | <b>700</b>                | <b>KSW24</b> |
| 2"     | 2.362" - 2.756" | 51.18" | <b>1300</b>               | <b>KSW32</b> |
| 2 1/2" | 2.756" - 3.346" | 53.15" | <b>800</b>                | <b>KSW40</b> |
| 3"     | 3.346" - 3.937" | 72.44" | <b>750</b>                | <b>KSW48</b> |
| 3 1/2" | 3.937" - 4.724" | 72.05" | <b>550</b>                | <b>KSW56</b> |
| 4"     | 4.724" - 5.512" | 86.61" | <b>550</b>                | <b>KSW64</b> |
| 6"     | 5.512" - 7.087" | 93.31" | <b>250</b>                | <b>KSW96</b> |



KSW32



KSW40

## King™ Safety Shackles

**Applications:**

- 2 shackles are used to anchor the King™ Safety Whipsock
- securing both eyes to a rigid anchor point to reduce whip in the event of a hose or connection failure

**Features:**

- recommended bolt, nut, and cotter pin style shackle
- caution working load must be rated for the application



| Size  | Working Load         | Fits KSW Eye | Micro Alloy Steel Part # |
|-------|----------------------|--------------|--------------------------|
| 5/16" | 3/4 ton (1000 lbs)   | KSW06-KSW12  | <b>KSS04</b>             |
| 7/16" | 1 1/2 ton (3000 lbs) | KSW16-KSW40  | <b>KSS06</b>             |
| 5/8"  | 3 1/4 ton (6000 lbs) | KSW48-KSW96  | <b>KSS08</b>             |

ASME Air Receiver Manifold  
with King™ Safety Whipsock for Supply Hose**Features:**

- built to ASME Code, National Board registered
- conforms to OSHA standards 1910.169 and 1926.306
- 7 gallon capacity
- painted supply orange
- all openings are female NPT thread
- working pressure: **200 PSI**
- includes **KSW32** 2" King™ Safety Whipsock for Air Supply Hose
- shackles included to attach King™ Safety Whipsock to frame



| Qty | Part #                |
|-----|-----------------------|
| 1   | <b>1217AR-4AK-KSW</b> |

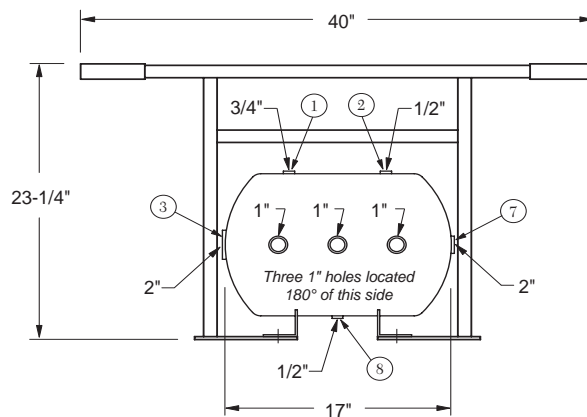
## ASME Air Receiver Manifold

## Features:

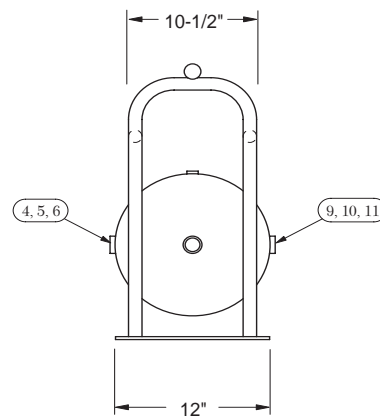
- built to ASME Code, National Board registered
- conforms to OSHA standards 1910.169 and 1926.306
- 7 gallon capacity
- painted safety orange
- all openings are female NPT thread
- working pressure: **200 PSI**



1217AR-4AK



1217AR-4FR



Dixon® 1217AR-4AK air receiver manifold assembly with Air King™ outlet ports includes the following components:

| Part # / Locations           | Qty | Description   |
|------------------------------|-----|---|
| <b>1217AR-4</b>              | 1   | ASME compressed air receiver  |
| <b>1217FRAME</b>             | 1   | protective frame  |
| Location 1                   | 1   | 3731204C 3/4" male x 1/4" female hex bushing                                    |
| Location 2                   | 1   | GL345 0-300 PSI gauge   |
| Location 3                   | 1   | 3730804C 1/2" male x 1/4" female hex bushing                                    |
| Locations 4, 5, 6, 9, 10, 11 | 1   | SV200 safety pop-off valve  |
|                              | 1   | GM28 2" male spud   |
|                              | 1   | B27SC wing nut cap  |
|                              | 6   | HB1075G 1" male x 3/4" female bushings  |
|                              | 6   | 3701212C 3/4" brass hex nipples   |
|                              | 6   | BBLV75 ball valves  |
|                              | 6   | SCVS6 safety shut-off valves  |
|                              | 6   | AM7 Air King™ universal couplings   |
| Location 7                   | 4   | SE45100 45° street elbow (1 each in locations 4, 6, 9 and 11 only)              |
|                              | 1   | HB2075 2" male x 3/4" female bushing  |
|                              | 1   | 3701212C 3/4" brass hex nipples   |
|                              | 1   | BBLV75 ball valve   |
|                              | 1   | SCVS6 safety shut-off valve   |
| Location 8                   | 1   | AM7 Air King™ universal coupling  |
|                              | 1   | 3730804C 1/2" male x 1/4" female hex bushing                                    |
|                              | 1   | D04 1/4" drain cock   |
|                              | --- | Labor cost for assembly of complete unit  |
| <b>1217AR-4AK</b>            | 1   | 7 gallon ASME compressed air receiver manifold complete assembly with Air King™ |
|                              |     | <b>Tank and Frame only</b>  |
| <b>1217AR-4FR</b>            | 1   | 7 gallon ASME compressed air receiver with frame only                           |



## ASME Air Receiver Manifold Assembly with Air King™ Fittings &amp; Watts Filter

**Application:**

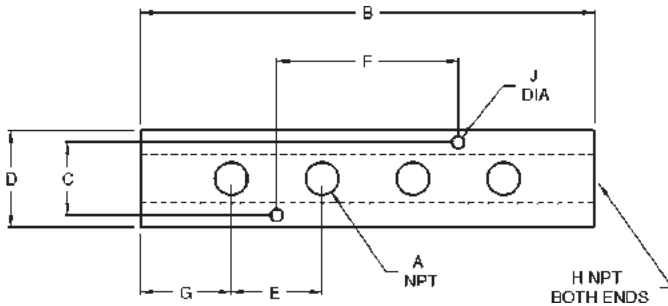
- Designed to remove compressed air contaminants such as water, compressor oil, dirt, pipe scale and water particles from the air supply at the point of entry into the ASME air receiver manifold.

**Features:**

- includes basic 1217AR-4AK ASME manifold assembly
- F602-16WJR 2" auto drain filter with 26 ounce metal bowl and related plumbing installed on the inlet port of the ASME air receiver manifold
- air supply hose connects directly to GM28 2" male spud on the filter air inlet
- includes a B27SC wing nut cap with a chain

| Hose Size | Thread | Part #              |
|-----------|--------|---------------------|
| 2"        | ¾"     | <b>1217AR-4AKWF</b> |

## Bar Manifolds

**Features:**

- can be mounted on a wall or work bench, safely distributing four hose lines to a work area
- maximum operating pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- brass hex head plugs sold on page 367

| Aluminum Part # | A  | B   | C   | D   | E   | F   | G  | H  | J    |
|-----------------|----|-----|-----|-----|-----|-----|----|----|------|
| <b>AMF32</b>    | ¼" | 7⅝" | 7⅝" | 1¼" | 1⅞" | 3¾" | 1" | ⅝" | .20" |
| <b>AMF42</b>    | ¼" | 7⅝" | 1⅞" | 1½" | 1⅞" | 3¾" | 1" | ½" | .20" |
| <b>AMF43</b>    | ⅜" | 8"  | 1⅞" | 1½" | 2"  | 4"  | 1" | ½" | .20" |

## 3 in 1 Manifolds

**Features:**

- supplies 3 air operated tools from a single hose permitting use of air by more than one mechanic
- can be mounted to a pipe at workbench or overhead
- different tools in the shop use different styles of couplers, mount 3 different style couplers on one manifold



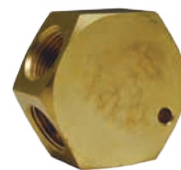
| NPT Inlet (1) | NPT Outlets (3) | Aluminum Part # |
|---------------|-----------------|-----------------|
| ¼"            | ¼"              | <b>D3404</b>    |
| ⅜"            | ¼"              | <b>D3406</b>    |
| ½"            | ¼"              | <b>D3408</b>    |

## Flat Hex Manifolds

## Feature:

- designed to lay flat on the floor, safely distributing three hose lines to the work area

| NPT Inlet (1) | NPT Outlets (3) | Brass<br>Part # |
|---------------|-----------------|-----------------|
| 1/4"          | 1/4"            | <b>3122</b>     |
| 3/8"          | 1/4"            | <b>3132</b>     |
| 3/8"          | 3/8"            | <b>3133</b>     |

Pneumatic  
Accessories

## Compressor Y

## Feature:

- converts a single supply source to a dual outlet

| Female NPT Inlet (1) | Male NPT Outlets (2) | Iron<br>Part # |
|----------------------|----------------------|----------------|
| 1"                   | 3/4"                 | <b>Y10075</b>  |



## Anti-Freeze Lubricants

## Application:

- winter grade air tool lubricant prevents air line, air tool and in-line lubricator freeze-up

## Features:

- can be poured directly into tool or used with air line lubricators
- minimum temperature **-45°F (-43°C)**

| Size     | Part #          | Optional Qty |
|----------|-----------------|--------------|
| 1 pint   | <b>DATL016W</b> | 12           |
| 1 gallon | <b>DATL128W</b> | 4            |



pint



gallon

G

## Air Tool Lubricants

## Application:

- high grade lubricant prolongs the service life of air tools, cylinders and accessories

## Features:

- #10 weight lubricant
- compound is superior in performance to ordinary lubricants
- prohibits rust and removes moisture as it lubricates
- non-corrosive, non-reactive and does not decompose
- easy pour spout helps prevent costly spills
- use with the in-line lubricators on page 368

| Size     | Part #         | Optional Qty |
|----------|----------------|--------------|
| 1 pint   | <b>DATL016</b> | 12           |
| 1 gallon | <b>DATL128</b> | 4            |



pint



gallon

## In-Line Lubricators

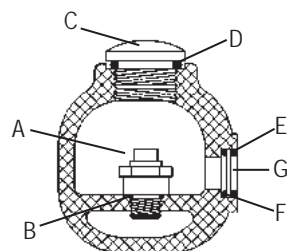
## Features:

- protects portable or stationary air tools by efficiently oiling the tool mechanisms; each time an air tool is operated a fine mist of oil is injected into it along with the air from the compressor
- installation is recommended within 25' of the tool to be lubricated, refer to the arrow for proper air flow direction
- transparent sight disc allows visual inspection of oil level
- oil flow regulated by screwdriver screw adjustment, minimum flow rate is 30 SCFM
- not recommended for constant flow applications
- for reciprocating tools only
- type of oil to use: any petroleum-based, non-detergent light weight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil, do not use any synthetic oil or oils containing additives or solvents
- see page 367 for air tool lubricant



| NPT Size | Oil Capacity    | Maximum Working Pressure at ambient temperature (70°F) | Air Flow at 70 PSI | Aluminum Part # |
|----------|-----------------|--|--------------------|-----------------|
| 1/2"     | 1.4 fluid ozs.  | <b>500 PSI</b>   | 30 SCFM            | <b>PL300</b>    |
| 3/4"     | 3.7 fluid ozs.  | <b>200 PSI</b>   | 70 SCFM            | <b>PL400</b>    |
| 3/4"     | 11.0 fluid ozs. | <b>300 PSI</b>   | 70 SCFM            | <b>PL400L</b>   |
| 1"       | 16.0 fluid ozs. | <b>250 PSI</b>   | 100 SCFM           | <b>PL500</b>    |

## Replacement Parts



| Description                       | Part #            |
|-----------------------------------|-------------------|
| (A) oil adjustment valve assembly | <b>851661</b>     |
| (B) valve gasket                  | <b>452531</b>     |
| (C) fill plug                     | <b>452525</b>     |
| (D) fill plug O-ring              | <b>700013-214</b> |
| (E) sight disk                    | <b>452532</b>     |
| (F) sight disk seal               | <b>700013-016</b> |
| (G) sight disk lock nut           | <b>452533</b>     |

## In-Line Air Filter

## Features:

- protects small air tools, such as impact wrenches, nut runners, grinders and screwdrivers
- all-anodized, compact housing
- install directly before the air tool
- maximum operating pressure: **500 PSI**
- temperature range: **35°F to 200°F (2°C to 93°C)**
- air flow: 140 SCFM
- male x female configuration
- standard 40 micron element ensures minimum pressure drop
- elements can be replaced quickly



| Male NPT | Overall Length | Diameter | Aluminum Part # |
|----------|----------------|----------|-----------------|
| 3/4"     | 3-13/16"       | 1 1/2"   | <b>9076M</b>    |

## Disposable In-Line Nipple Filters

### Features:

- for filtration of water, oil and air
- compact and lightweight
- can be installed at point of use
- shape element is conical rather than disc, providing a larger filtering flow and a true, uninterrupted axial flow
- maximum operating pressure: **300 PSI**
- temperature range: **35°F to 300°F (2°C to 148°C)**
- standard 40 micron element ensures minimum pressure drop

| Male NPT | Overall Length | Hex   | Air Flow | Brass Part #      |
|----------|----------------|-------|----------|-------------------|
| ¼"       | 1½"            | 9/16" | 20 SCFM  | <b>ASP3102-40</b> |
| ½"       | 2"             | 7/8"  | 50 SCFM  | <b>ASP3104-40</b> |



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Accessories

## In-Line Lubricator with Filter

### Feature:

- consists of **9076M** particle filter with 40 micron sintered bronze element and **PL400** (3.7 ounce) or **PL400L** (11.0 ounce) lubricator

| NPT Size | Oil Capacity    | Max. Working Pressure at ambient temperature 70°F (21°C) | Aluminum Part # |
|----------|-----------------|--|-----------------|
| ¾"       | 3.7 fluid ozs.  | <b>200 PSI</b>   | <b>PL400WF</b>  |
| ¾"       | 11.0 fluid ozs. | <b>300 PSI</b>   | <b>PL400LWF</b> |



## Mini In-Line Lubricators

### Features:

- can be refilled under line pressure
- oil capacity: ¼ fluid ounce
- flow rating: 22 SCFM at 100 PSIG
- maximum operating pressure: **200 PSIG**
- maximum temperature: **150°F (66°C)**

| Female NPT Inlet | Outlet        | Aluminum Part # |
|------------------|---------------|-----------------|
| ¼"               | ¼" female NPT | <b>ML200</b>    |
| ¼"               | ¼" male NPT   | <b>ML200M</b>   |
| ⅜"               | ⅜" male NPT   | <b>ML300M</b>   |



## Mini In-Line Filter

## Features:

- either port may be used as an inlet port
- filter element rated at 5 microns
- flow rating: 17 SCFM inlet pressure at 100 PSIG
- maximum operating pressure: **200 PSIG**  
maximum temperature: **175°F (79°C)**



| Female NPT | Male NPT | Aluminum<br>Part # |
|------------|----------|--------------------|
| 1/4"       | 1/4"     | <b>MF200</b>       |

## Replacement Element



| Description | Part #            |
|-------------|-------------------|
| with O-ring | <b>FRP-95-199</b> |

## Series 1 Non-Repairable General Purpose Regulators

## Features:

- relieving piston allows reduction of downstream pressure when system is dead-ended
- reliable pressure regulation at air flows up to 13 SCFM
- left to right flow
- 5 to 125 PSIG outlet pressure adjustment range
- compact design and light weight construction
- wrench flats for easy installation
- supplied with a GC620 gauge



| Female NPT | With Gauge<br>Part # | Without Gauge<br>Part # |
|------------|----------------------|-------------------------|
| 1/4"       | <b>R46-200RG</b>     | <b>R46-200R</b>         |

## Safety Blow Guns

Safety blow guns have a safety tip which prevents buildup of tip pressure in the event the outlet is obstructed or "dead ended". They comply with the requirements for OSHA 1910.242 (B) and 1910.95 when used on air lines of 150 PSI or less.

**Features:**

- design comfortably fits contour of the hand minimizing user fatigue
- ergonomic large lever with black vinyl grip allows for easy air flow activation
- ¼" female NPT inlet

**Air Chief**

The air chief safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of 30 PSI outlet pressure when dead ended based on a maximum of 150 PSI inlet pressure as well as OSHA Standard 1910.95 regulating occupational noise level exposure. *Safety glasses or shield must be worn when using any blow gun.*

**Features:**

- recessed internal slotted screw allows easy access to valve assembly for repairs or replacement
- chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and nickel plated brass tip combine for superior corrosion resistance



Part #

**D204-30****Premium**

The premium safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of 30 PSI outlet pressure when dead ended based on a maximum of 150 PSI inlet pressure as well as OSHA Standard 1910.95 regulating occupational noise level exposure. *Safety glasses or shield must be worn when using any blow gun.*

**Feature:**

- zinc die cast body with a black powder coat finish, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and nickel plated brass tip



Part #

**D204-30P****Air Booster**

The multiple holes in the safety booster tip of the safety air booster gun create a Venturi effect that increases air flow (working capacity) while still remaining compliant with OSHA Standard 1910.242 (B). *Safety glasses or shield must be worn when using any blow gun.*

**Feature:**

- chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and nickel plated brass tip provide superior corrosion resistance



Part #

**D204-30SB**





## Pistol Grip

### Features:

- conforms to US Department of Labor, OSHA Standard 1910.242 (B) allowing a maximum of 30 PSI outlet pressure at the nozzle when dead-ended
- conforms to US Department of Labor, OSHA Standard 1910.95 regulating noise level exposure
- contoured pistol-grip for safe, comfortable handling, even with greasy hands
- convenient hang-up hook
- ¼" female NPT inlet
- *Safety glasses or shield must be worn when using any blow gun.*




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Part #

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**PG700**


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## Extended Nozzle Pistol Grip



### Features:

- conforms to US Dept. of Labor, OSHA Standard 1910.242 (B) allowing a maximum of 30 PSI outlet pressure at the nozzle when dead-ended
- conforms to US Dept. of Labor, OSHA Standard 1910.95 regulating noise level exposure
- slender 4" extended nozzle allows access to hard to reach places and holes as small as .200"
- variable output trigger enables user to control air flow
- hook design near trigger provides finger protection as well as easy storage
- lightweight to help minimize user fatigue.
- side holes allow air to escape if nozzle tip is dead-ended, thus preventing back pressure buildup
- pressure rating: **150 PSI**
- ¼" female NPT inlet
- *Safety glasses or shield must be worn when using any blow gun.*




---

Part #

---

**ENBG1**


---

## Safety Tip

### Features:

- ½" male NPT connection
- can be used with all Dixon® Air Chief lever operated blow guns as well as most blow guns from other manufacturers




---

*Nickel Plated Brass*

Part #

---

**SST10**


---

## Rubber Non-Safety Tip

### Features:

- ½" male NPT connection
- can be used with all Dixon® Air Chief lever operated blow guns as well as most blow guns from other manufacturers




---

*Rubber Coated Nickel Plated Brass*

Part #

---

**D201RT**


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## Non-Safety Blow Gun

Non-Safety blow guns **do not** have a safety by-pass to prevent buildup of tip pressure in the event of tip blockage. They may be used for cleaning purposes only if the air supply (inlet pressure) has been reduced to 30 PSI or less.



### Features:

- designed to comfortably fit the contour of the hand, minimizing user fatigue
- ergonomic large lever with vinyl grip allows for easy air flow activation
- 1/4" female NPT inlet

### Brass Tip

The ventless, nickel-plated tip provides the most economical means of achieving a concentrated stream of air for many blow-off applications. All other components and design features are the same as our Air Chief safety blow gun (D204-30). *Must be used on air lines having a maximum regulated pressure of 30 PSI in order to comply with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.*



### Feature:

- chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and ventless, nickel plated brass tip provide superior corrosion resistance



Part #

**D605**

### Rubber Tip

The rubber tip will not scratch or mar delicate surfaces. The conical, rubber tip can also be used to create a seal between the blow gun and fluid lines (or any other opening). Base of the tip is nickel-plated brass for additional corrosion resistance. *Must be used on air lines having a maximum regulated pressure of 30 PSI in order to comply with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.*



### Feature:

- chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and rubber tip with a nickel plated brass base provide superior corrosion resistance



Part #

**D201**

### Extensions

### Features:

- supplied with 1/8" male NPT connections
- allow easier access to blow-off applications in high or hard to reach places
- can be used with all Dixon® Air Chief lever operated blow guns as well as most blow guns from other manufacturers
- brass base with a rugged steel extension tube, all nickel plated

| Size Extension | Part #       |
|----------------|--------------|
| 6"             | <b>BGE6</b>  |
| 10"            | <b>BGE10</b> |
| 12"            | <b>BGE12</b> |
| 18"            | <b>BGE18</b> |
| 24"            | <b>BGE24</b> |



Heavy Duty - **High Volume** Safety Blow Guns**Features:**

- heavy duty - high volume safety blow guns
- requires high volume coupler and plug for optimum performance
- lightweight and ergonomic
- pistol grip / hanging hook handle
- made from high quality aluminum casting
- maximum operating pressure: **150 PSI**
- ¼" female NPT inlet
- *Safety glasses or shield must be worn when using any blow gun.*

Heavy Duty - **High Volume with** Safety Tip**Features:**

- reduced to 30 PSI when tip is blocked
- The safety air booster blow gun has a safety tip which prevents buildup of tip pressure in the event the outlet obstructed or "dead ended". It complies with the requirements for OSHA 1910.242 (B) and 1910.95 when used on air lines of 150 PSI or less.



HTBG6

| Description                  | Part #        |
|------------------------------|---------------|
| gun with <i>no</i> extension | <b>HTBG</b>   |
| gun with 6" extension        | <b>HTBG6</b>  |
| gun with 12" extension       | <b>HTBG12</b> |
| gun with 24" extension       | <b>HTBG24</b> |
| gun with 36" extension       | <b>HTBG36</b> |

Heavy Duty - **High Volume with Quiet Conical Tip****Feature:**

- 6.0 CFM



| Description       | Part #         |
|-------------------|----------------|
| gun with tip only | <b>HTBG-CT</b> |

**Accessories**

HTBGC

| Female NPT Inlet (1)          | Aluminum<br>Part # | Brass<br>Part # |
|-------------------------------|--------------------|-----------------|
| 6" extension with safety tip  | <b>HTBG6EXT</b>    | ---             |
| 12" extension with safety tip | <b>HTBG12EXT</b>   | ---             |
| 24" extension with safety tip | <b>HTBG24EXT</b>   | ---             |
| 36" extension with safety tip | <b>HTBG36EXT</b>   | ---             |
| safety tip                    | <b>HTBGS</b>       | ---             |
| conical tip                   | <b>HTBGC</b>       | ---             |
| tip adapter                   | <b>HTBGA</b>       | ---             |
| high flow female coupler      | ---                | <b>2CJF2-B</b>  |
| high flow male plug           | ---                | <b>CJ2M2-B</b>  |

High Volume Typhoon Blow Guns

Features:

- chrome plated aluminum body
- variable flow control
- ¼" female NPT inlet
- 34 CFM at 125 PSI
- Compliant with OSHA Standard 1910.242 (B). *Safety glasses or shield must be worn when using any blow gun.*



| Description            | Part #            |
|------------------------|-------------------|
| gun with no extension  | <b>TYP2501</b>    |
| gun with 6" extension  | <b>TYP2501-6</b>  |
| gun with 12" extension | <b>TYP2501-12</b> |
| gun with 24" extension | <b>TYP2501-24</b> |
| gun with 36" extension | <b>TYP2501-36</b> |



Pneumatic  
Accessories

High Volume Cannon® Blow Gun

Application:

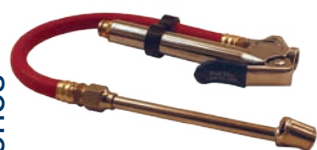
- designed for, but not limited to, outdoor use, ideal where a large air supply is available to move heavy, stubborn debris

Features:

- ¾" female NPT inlet
- minimum inlet pressure 90 PSI on ½" hose
- consumes 135 CFM at 100 PSI
- 48" long extension
- compliant with OSHA Standard 1910.242 (B)
- *Safety glasses or shield must be worn when using any blow gun.*



| Part #          |
|-----------------|
| <b>9000-48S</b> |



### Heavy Duty Tire Pressure Gauge

**Features:**

- 12" hose with swivel dual foot chuck inflator
- tapered chuck nut fits wheel cover holes on cars and light trucks
- calibrated in 2 PSI increments from **10 to 120 PSI**

Part #

**D101**

### Passenger Car Tire Pressure Gauge

**Features:**

- 12" hose with straight-on chuck
- straight chuck nut fits wheel cover holes on cars and light trucks
- ideal for use on wells and reels
- calibrated in 2 PSI increments from **10 to 90 PSI**

Part #

**D150**

### Professional Tire Pressure Gauge

**Features:**

- permanently lubricated
- easy to read, dual calibrated (PSI and kPa), four-sided nylon indicator bar
- body is made of chrome-plated brass, head is chrome-plated zinc
- pocket clip
- calibrated in 1 PSI increments from **5 to 45 PSI**

Part #

**DFG5**

### Dual Foot Tire Pressure Gauges


**Features:**

- handy pocket clip
- calibrated in 2 PSI increments from **20 to 120 PSI**

Part #

**DFG1**
**Features:**

- heavy duty hang-up ring
- calibrated in 2 PSI increments from **10 to 150 PSI**

Part #

**DFG2**

### Tire Inflator Chuck

**Features:**

- ball foot chuck
- for direct connection to live air only
- features a built-in shutoff valve (will not work on inflator gauges)
- ¼" NPT female thread
- maximum pressure is **150 PSI**

Brass  
Part #**D104**

Optional Qty

10

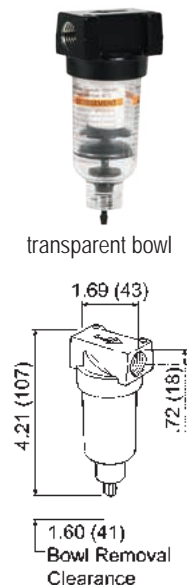
## F03 Miniature Filters

## Features:

- excellent water removal efficiency
- 5 micron element
- .5 oz. bowl
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 175°F (0°C to 80°C)**

| Port Size | Flow (SCFM) | Transparent Bowl       |                     | Metal Bowl             |                     |
|-----------|-------------|------------------------|---------------------|------------------------|---------------------|
|           |             | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/8"      | 22          | <b>F03-01A</b>         | <b>F03-01M</b>      | <b>F03-01AMB</b>       | <b>F03-01MMB</b>    |
| 1/4"      | 24          | <b>F03-02A</b>         | <b>F03-02M</b>      | <b>F03-02AMB</b>       | <b>F03-02MMB</b>    |

SCFM ratings at 90 PSIG inlet pressure.

Pneumatic  
Accessories

## F08 Miniature Filters

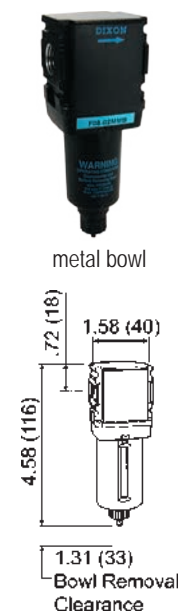
## Features:

- 5 micron element
- .6 oz. bowl
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Port Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl             |                     |
|-----------|-------------|----------------------------|---------------------|------------------------|---------------------|
|           |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4"      | 50          | <b>F08-02A</b>             | <b>F08-02M</b>      | <b>F08-02AMB</b>       | <b>F08-02MMB</b>    |

See pages 401 to 405 for accessories.

SCFM ratings at 150 PSIG inlet pressure.



## R03 Miniature Regulators

## Features:

- 2-125 PSI adjusting range
- balanced valve design
- self-relieving standard
- non-rising push/pull locking adjustment knob
- two 1/8" NPT gauge ports standard on models without gauge, one 1/8" NPT gauge port standard on models with gauge - can be used for additional outlet ports.
- models supplied without gauge use a GC620 gauge.
- panel mount nuts sold separately
- maximum operating conditions:
  - 300 PSIG** (20.17 bar) and **32°F to 125°F (0°C to 52°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|------|-------------|-------------------|----------------------|
| 1/8" | 13          | <b>R03-01RG</b>   | <b>R03-01R</b>       |
| 1/4" | 15          | <b>R03-02RG</b>   | <b>R03-02R</b>       |

SCFM ratings at 100 PSIG inlet pressure.



See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.





## R08 Miniature Regulators

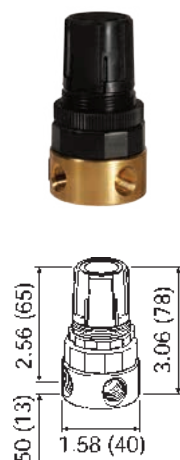
## Features:

- 0-125 PSI adjusting range
- balanced valve design
- self-relieving standard
- non-rising push/pull locking adjustment knob
- two 1/8" NPT gauge ports standard on models without gauge, one 1/8" NPT gauge port standard on models with gauge - can be used for additional outlet ports.
- models with gauge are supplied with a 0-160 flush mount style gauge
- models supplied without gauge use a GC620 gauge.
- panel mount nuts sold separately
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| 1/4" | 44          | <b>R08-02RG</b>      | <b>R08-02R</b>          |

SCFM ratings at 100 PSIG inlet pressure.

## RB3 Miniature Water Regulators



## Features:

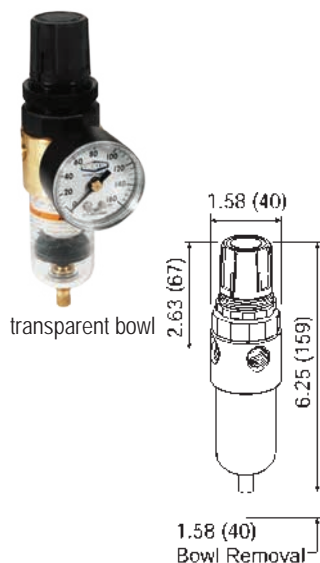
- 2-125 PSI adjusting range
- suitable for water and compressed air service
- brass construction - wetted parts
- non-relieving spring-loaded diaphragm
- panel mount nut included
- two 1/8" NPT gauge ports standard
- models supplied without gauge use a GC620 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 40°F to 125°F (4°C to 52°C)**

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| 1/8" | 11          | <b>RB3-01RG</b>      | <b>RB3-01R</b>          |
| 1/4" | 14          | <b>RB3-02RG</b>      | <b>RB3-02R</b>          |

SCFM ratings at 100 PSIG inlet pressure.

See pages 401 to 405 for accessories.

## BB3 Miniature Filters / Regulators



## Features:

- 2-125 PSI adjusting range
- 5 micron element
- .5 oz. bowl
- self-relieving
- supplied with a GC620 gauge
- maximum operating conditions:
  - transparent bowl: **125 PSIG (8.6 bar) and 40°F to 125°F (4.4°C to 52°C)**
  - metal bowl: **300 PSIG (20.7 bar) and 40°F to 125°F (4.4°C to 52°C)**

| Port Size | Flow (SCFM) | Transparent Bowl          |                        | Metal Bowl                |                        |
|-----------|-------------|---------------------------|------------------------|---------------------------|------------------------|
|           |             | Automatic Drain<br>Part # | Manual Drain<br>Part # | Automatic Drain<br>Part # | Manual Drain<br>Part # |
| 1/8"      | 13          | <b>BB3-01AG</b>           | <b>BB3-01MG</b>        | <b>BB3-01AGMB</b>         | <b>BB3-01MGMB</b>      |
| 1/4"      | 16          | <b>BB3-02AG</b>           | <b>BB3-02MG</b>        | <b>BB3-02AGMB</b>         | <b>BB3-02MGMB</b>      |

SCFM ratings at 150 PSIG inlet pressure.



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## B08 Miniature Filters / Regulators

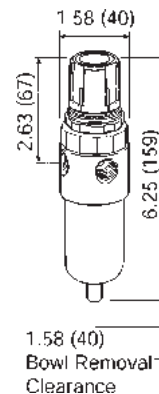
## Features:

- 0-125 PSI adjusting range
- 5 micron element
- .4 oz. bowl
- self-relieving
- supplied with a 0-160 PSI flush mount style gauge
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl             |                     |
|------|-------------|----------------------------|---------------------|------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 42          | <b>B08-02AG</b>            | <b>B08-02MG</b>     | <b>B08-02AGMB</b>      | <b>B08-02MGMB</b>   |

See pages 401 to 405 for accessories.

SCFM ratings at 100 PSIG inlet pressure.



metal bowl

Pneumatic  
Accessories

## L03 Miniature Lubricators

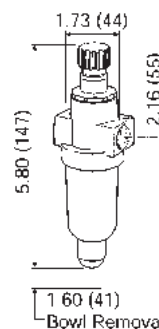
## Features:

- 1 oz. bowl
- adjustable oil feed
- full view sight dome
- **Do not fill under pressure. Air supply must be turned off and pressure bled from unit prior to adding oil.**
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 175°F (0°C to 80°C)**



| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|------|-------------|-------------------------|-------------------|
| 1/8" | 20          | <b>L03-01A</b>          | <b>L03-01AMB</b>  |
| 1/4" | 20          | <b>L03-02A</b>          | <b>L03-02AMB</b>  |

SCFM ratings at 90 PSIG inlet pressure.



transparent bowl

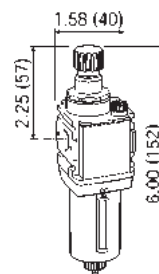
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## L08 Miniature Lubricators

## Features:

- .6 oz. bowl
- adjustable oil feed
- full view sight dome
- fill under pressure design
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|------|-------------|-------------------------|-------------------|
| 1/4" | 57.5        | <b>L08-02A</b>          | <b>L08-02AMB</b>  |



metal bowl

See pages 401 to 405 for accessories.

See page 367 for air tool lubricant.

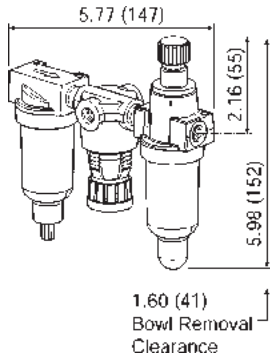


FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.



transparent bowl



## C03 Miniature Combination Units

## Features:

- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 175°F (0°C to 80°C)**
- Included components: (2) adapters

## Filter series F03:

- 5 micron element
- .5 oz. bowl

## Regulator series R03:

- 2-125 PSI adjusting range
- balanced valve design
- self-relieving
- supplied with a GC620 gauge
- can be mounted with knob in up or down position

## Lubricator series L03:

- 1 oz. bowl
- adjustable oil feed
- full view sight dome

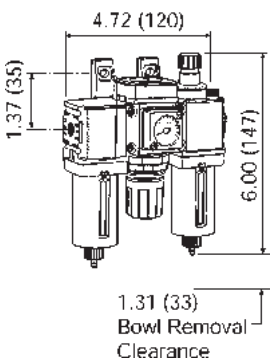
| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl             |                     |
|------|-------------|----------------------------|---------------------|------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/8" | 20          | <b>C03-01A</b>             | <b>C03-01M</b>      | <b>C03-01AMB</b>       | <b>C03-01MMB</b>    |
| 1/4" | 20          | <b>C03-02A</b>             | <b>C03-02M</b>      | <b>C03-02AMB</b>       | <b>C03-02MMB</b>    |

SCFM ratings at 100 PSIG inlet pressure.

## C08 Miniature Combination Units



metal bowl



## Features:

- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**
- Included components: (2) mounting brackets with joiner set

## Filter series F08:

- 5 micron element
- .6 oz. bowl

## Regulator series R08:

- 0-125 PSI adjusting range
- balanced valve design
- self-relieving
- supplied with a 0-160 PSI flush mount style gauge

## Lubricator series L08:

- .6 oz. bowl
- adjustable oil feed
- full view sight dome

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl             |                     |
|------|-------------|----------------------------|---------------------|------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 44          | <b>C08-02A</b>             | <b>C08-02M</b>      | <b>C08-02AMB</b>       | <b>C08-02MMB</b>    |



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

## F16 Compact Airline Filters

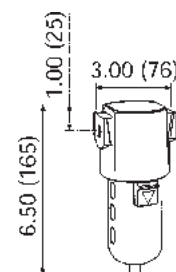
## Features:

- 5 micron element
- 2.7 oz. bowl
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl             |                     |
|------|-------------|----------------------------|---------------------|------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| ¼"   | 63.0        | <b>F16-02A</b>             | <b>F16-02M</b>      | <b>F16-02AMB</b>       | <b>F16-02MMB</b>    |
| ⅜"   | 74.1        | <b>F16-03A</b>             | <b>F16-03M</b>      | <b>F16-03AMB</b>       | <b>F16-03MMB</b>    |
| ½"   | 80.4        | <b>F16-04A</b>             | <b>F16-04M</b>      | <b>F16-04AMB</b>       | <b>F16-04MMB</b>    |



with guard



## F18 Compact Airline Filters

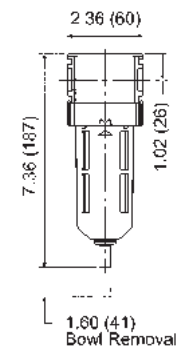
## Features:

- high flow capacity
- 5 micron element
- 1.72 oz. bowl
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl with Sight Glass |                     |
|------|-------------|----------------------------|---------------------|-----------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part #      | Manual Drain Part # |
| ¼"   | 110         | <b>F18-02A</b>             | <b>F18-02M</b>      | <b>F18-02AMB</b>            | <b>F18-02MMB</b>    |
| ⅜"   | 120         | <b>F18-03A</b>             | <b>F18-03M</b>      | <b>F18-03AMB</b>            | <b>F18-03MMB</b>    |
| ½"   | 145         | <b>F18-04A</b>             | <b>F18-04M</b>      | <b>F18-04AMB</b>            | <b>F18-04MMB</b>    |



transparent bowl with guard



## F26 Standard Airline Filters

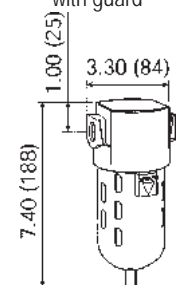
## Features:

- 5 micron element
- 3.2 oz. bowl
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl with Sight Glass |                     |
|------|-------------|----------------------------|---------------------|-----------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part #      | Manual Drain Part # |
| ¼"   | 81.3        | <b>F26-02A</b>             | <b>F26-02M</b>      | <b>F26-02AMB</b>            | <b>F26-02MMB</b>    |
| ⅜"   | 117.8       | <b>F26-03A</b>             | <b>F26-03M</b>      | <b>F26-03AMB</b>            | <b>F26-03MMB</b>    |
| ½"   | 149.8       | <b>F26-04A</b>             | <b>F26-04M</b>      | <b>F26-04AMB</b>            | <b>F26-04MMB</b>    |



with guard



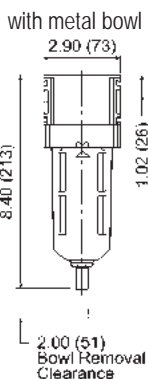
See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

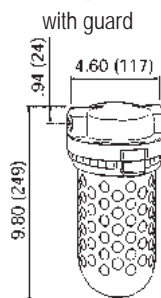
## F28 Standard Airline Filters

**Features:**

- high flow capacity
- 5 micron element
- 2.87 oz. bowl
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl with Sight Glass |                     |
|------|-------------|----------------------------|---------------------|-----------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part #      | Manual Drain Part # |
| 3/8" | 144         | <b>F28-03A</b>             | <b>F28-03M</b>      | <b>F28-03AMB</b>            | <b>F28-03MMB</b>    |
| 1/2" | 160         | <b>F28-04A</b>             | <b>F28-04M</b>      | <b>F28-04AMB</b>            | <b>F28-04MMB</b>    |
| 3/4" | 165         | <b>F28-06A</b>             | <b>F28-06M</b>      | <b>F28-06AMB</b>            | <b>F28-06MMB</b>    |

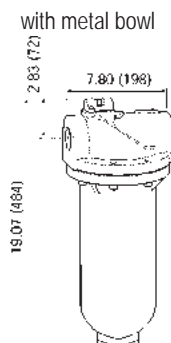
## F30 Jumbo Airline Filters

**Features:**

- 5 micron element
- 2 oz. bowl
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl with Sight Glass |                     |
|------|-------------|----------------------------|---------------------|-----------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part #      | Manual Drain Part # |
| 3/4" | 316         | <b>F30-06A</b>             | <b>F30-06M</b>      | <b>F30-06AMB</b>            | <b>F30-06MMB</b>    |
| 1"   | 323         | <b>F30-08A</b>             | <b>F30-08M</b>      | <b>F30-08AMB</b>            | <b>F30-08MMB</b>    |

## F35 Jumbo Airline Filters

**Features:**

- 5 micron element
- 12.5 oz. bowl
- maximum operating conditions:
  - metal bowl: **150 PSIG** (10.3 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Size   | Flow (SCFM) | Heavy Duty Metal Bowl  |                     |
|--------|-------------|------------------------|---------------------|
|        |             | Automatic Drain Part # | Manual Drain Part # |
| 1 1/2" | 1280        | <b>F35-0BAMB</b>       | <b>F35-0BMMB</b>    |
| 2"     | 1400        | <b>F35-0CAMB</b>       | <b>F35-0CMMB</b>    |

See pages 401 to 405 for accessories.

**!** FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

## M16 Compact Coalescing Filters

- removes extremely fine oil mists, oil aerosols and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter.
- 0.5 micron type B and 0.003 micron type D elements are optional
- differential pressure indicator changes from green to red with pressure loss

**Features:**

- 0.01 micron type C element
- 2.7 oz. bowl
- can be installed in modular system
- maximum operating conditions:  
**150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)**

| Size | Flow (SCFM) | With Compact Transparent Bowl and Guard |                     |
|------|-------------|---|---------------------|
|      |             | Automatic Drain Part #                  | Manual Drain Part # |
| ¼"   | 37.0        | <b>M16-02A</b>                          | <b>M16-02M</b>      |
| ⅜"   | 44.7        | <b>M16-03A</b>                          | <b>M16-03M</b>      |
| ½"   | 46.1        | <b>M16-04A</b>                          | <b>M16-04M</b>      |

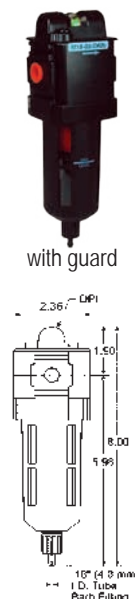
Pneumatic  
Accessories

## M18 Compact Coalescing Filters

**Features:**

- high-efficiency removal of water, oil aerosols, and solid particulate contaminants down to 0.01 mg/m<sup>3</sup> with minimum pressure drop
- modern design and appearance
- light weight
- high flow capacity
- 1.72 oz. bowl
- maximum operating conditions:  
**150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)**

| Size | Flow (SCFM) | With Compact Transparent Bowl and Guard |                     |
|------|-------------|---|---------------------|
|      |             | Automatic Drain Part #                  | Manual Drain Part # |
| ¼"   | 40.0        | <b>M18-02A</b>                          | <b>M18-02M</b>      |
| ⅜"   | 44.0        | <b>M18-03A</b>                          | <b>M18-03M</b>      |
| ½"   | 48.0        | <b>M18-04A</b>                          | <b>M18-04M</b>      |



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## M26 Standard Coalescing Filters

**Features:**

- 0.01 micron type C element
- 1.7 oz. bowl
- can be installed in modular system
- maximum operating conditions:  
**150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)**

| Size | Flow (SCFM) | With Standard Transparent Bowl and Guard |                     |
|------|-------------|--|---------------------|
|      |             | Automatic Drain Part #                   | Manual Drain Part # |
| ¼"   | 55.0        | <b>M26-02A</b>                           | <b>M26-02M</b>      |
| ⅜"   | 65.5        | <b>M26-03A</b>                           | <b>M26-03M</b>      |
| ½"   | 79.5        | <b>M26-04A</b>                           | <b>M26-04M</b>      |



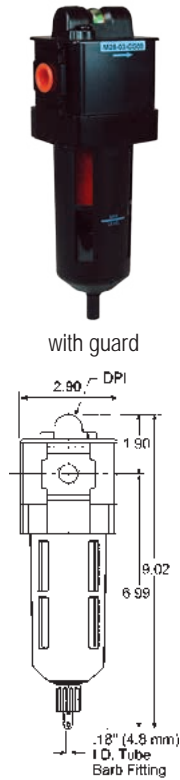
See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.





## M28 Standard Coalescing Filters

- removes extremely fine oil mists, oil aerosols and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter.
- 2.87 micron type B and 0.003 micron type D elements are optional
- differential pressure indicator changes from green to red with pressure loss

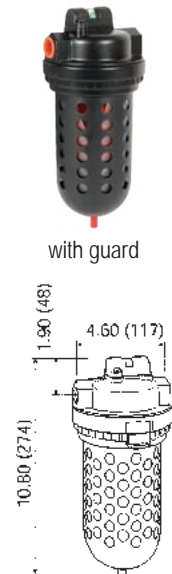


### Features:

- high-efficiency removal of water, oil aerosols, and solid particulate contaminants down to 0.01 mg/m<sup>3</sup> with minimum pressure drop
- modern design and appearance
- light weight
- high flow capacity
- 6 oz. bowl
- maximum operating conditions:  
**150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)**

| Size | Flow (SCFM) | Compact Transparent Bowl and Guard |                     |
|------|-------------|------------------------------------|---------------------|
|      |             | Automatic Drain Part #             | Manual Drain Part # |
| 3/8" | 82.0        | <b>M28-03A</b>                     | <b>M28-03M</b>      |
| 1/2" | 90.0        | <b>M28-04A</b>                     | <b>M28-04M</b>      |
| 3/4" | 98.0        | <b>M28-06A</b>                     | <b>M28-06M</b>      |

## M30 Jumbo Coalescing Filters



### Features:

- 0.01 micron type C element
- 2 oz. bowl
- maximum operating conditions:  
**150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)**

| Size | Flow (SCFM) | Jumbo Transparent Bowl and Guard |                     |
|------|-------------|----------------------------------|---------------------|
|      |             | Automatic Drain Part #           | Manual Drain Part # |
| 1/2" | 123         | <b>M30-04A</b>                   |                     |
| 3/4" | 173         | <b>M30-06A</b>                   |                     |
| 1"   | 203         | <b>M30-08A</b>                   |                     |

See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

M35 Heavy Duty Coalescing Filters

- for removal of extremely fine oil mists, oil aerosols and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter.
- 1.0 micron type B1 and 0.003 micron type D elements are optional
- differential pressure indicator changes from green to red with pressure loss



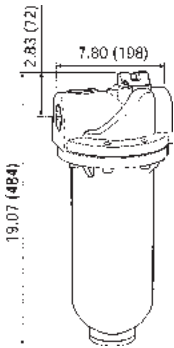
Features:

- 0.01 micron type C element
- 13.9 oz. bowl
- differential pressure indicator eliminates the guesswork of element placement
- maximum operating conditions:  
**150 PSIG** (10.3 bar) and **32°F to 150°F (0°C to 65.5°C)**

| Size | Flow<br>(SCFM) | Metal Bowl                |
|------|----------------|---------------------------|
|      |                | Automatic Drain<br>Part # |
| 1½"  | 710            | <b>M35-0BAMB</b>          |
| 2"   | 710            | <b>M35-0CAMB</b>          |



M35-0CAMB



Pneumatic  
Accessories

See pages 401 to 405 for accessories.

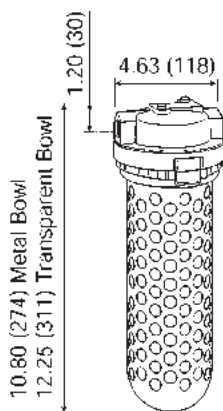


FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.



with transparent bowl



## X03 Manual In-Line Desiccant Dryers

### Applications:

- Manual air dryers are used to remove water vapor from compressed air systems, in applications such as paint spraying, laboratory instruments and small control air systems. Filtration for absorber type dryers is important to protect the desiccant bed from contamination. Cleaner incoming air will result in better performance, longer life and fewer service problems. To regenerate silica gel desiccant, it must be heated to at least **350°F (177°C)** for approximately 3 hours or until color has changed from pink to blue. Allow desiccant to cool to room temperature before pouring back into unit bowl.

An after-filter should be placed downstream from the desiccant dryer to ensure solid contaminants such as desiccant dust do not migrate downstream.



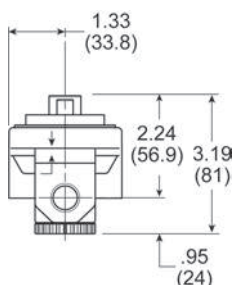
### Features:

- will dry up to 4400 standard cubic feet of air
- desiccant; good for approximately 440 minutes at maximum continuous air flow before regeneration is required
- silica gel changes from blue to pink to indicate the need to replace or regenerate the desiccant
- slotted bowl guard for visual detection of color change
- no electrical connection necessary
- provides atmospheric dew point of **-45°F (-43°C)** with dry desiccant at **100 PSI** and **70°F (21°C)**
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **125°F (52°C)**
  - metal bowl: **150 PSIG** (10.3 bar) and **150°F (66°C)**

| Size | Flow (SCFM) | Transparent Bowl<br>Part # | Metal Bowl<br>Part # |
|------|-------------|----------------------------|----------------------|
| 1/4" | 10          | <b>X03-02</b>              | <b>X03-02MB</b>      |

## R21 Dial Air Regulators

Dial-air regulators feature a transparent, pressure-calibrated, non-rising adjustment dial for quick adjustment of secondary pressure. The full reduced pressure range can be dialed in less than 270° of dial rotation. This feature is particularly advantageous if secondary pressure must be changed frequently. Dial air regulators can be mounted in any position so dial face is always visible. All dial-air units have a slight constant air bleed.



### Features:

- 0-160 PSI adjusting range
- balanced valve design
- relieving type
- non-rising pressure adjusting dial
- piston operated
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports.
- models supplied without gauge use a GC230 gauge
- maximum operating pressure: **300 PSIG** (20.7 bar)
- temperature range: **32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| 1/4" | 117         | <b>R21-02RG</b>      | <b>R21-02R</b>          |
| 3/8" | 180         | <b>R21-03RG</b>      | <b>R21-03R</b>          |
| 1/2" | 195         | <b>R21-04RG</b>      | <b>R21-04R</b>          |
| 3/4" | 220         | <b>R21-06RG</b>      | <b>R21-06R</b>          |

See pages 401 to 405 for accessories.



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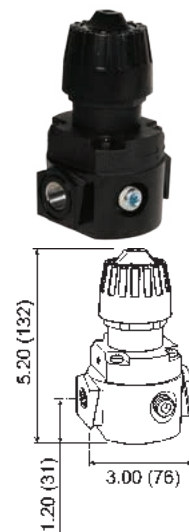
SCFM ratings at 100 PSIG inlet pressure.

## R16 Compact Regulators

## Features:

- 0-125 PSI adjusting range
- for 0-60 PSI range consult Dixon®
- self-relieving standard
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two ¼" NPT gauge ports standard on models without gauge, one ¼" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| ¼"   | 71.5        | <b>R16-02RG</b>      | <b>R16-02R</b>          |
| ⅜"   | 80.5        | <b>R16-03RG</b>      | <b>R16-03R</b>          |
| ½"   | 88.0        | <b>R16-04RG</b>      | <b>R16-04R</b>          |

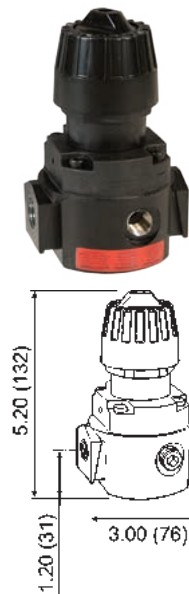
Pneumatic  
Accessories

## R16 High Pressure Compact Regulators

## Features:

- 0-250 PSI adjusting range
- self-relieving standard
- non-rising push/pull locking adjustment knob
- panel mount nut standard
- excellent flow characteristics
- can be installed with the adjusting knob in any position
- two ¼" NPT gauge ports standard on models without gauge, one ¼" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC240 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| ¼"   | 71.5        | <b>R16-02RHG</b>     | <b>R16-02RH</b>         |
| ⅜"   | 80.5        | <b>R16-03RHG</b>     | <b>R16-03RH</b>         |
| ½"   | 88.0        | <b>R16-04RHG</b>     | <b>R16-04RH</b>         |



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## R18 Compact Regulators

## Features:

- 0-125 PSI adjusting range
- self-relieving standard
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- Two ¼" NPT gauge ports located on the front and rear faces of the body; ports may be used as additional regulated ports or for pressure gauges.
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

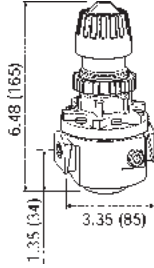
| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| ¼"   | 82          | <b>R18-02RG</b>      | <b>R18-02R</b>          |
| ⅜"   | 97          | <b>R18-03RG</b>      | <b>R18-03R</b>          |
| ½"   | 97          | <b>R18-04RG</b>      | <b>R18-04R</b>          |



See pages 401 to 405 for accessories.

FRL's are designed for air service only, unless otherwise indicated.

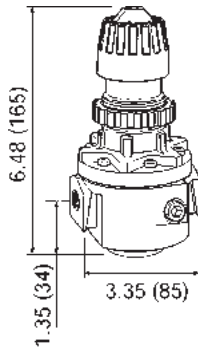
SCFM ratings at 100 PSIG inlet pressure.

**Features:**

- 0-125 PSI adjusting range
- non-rising push/pull locking adjustment knob
- panel mount nut standard
- excellent flow characteristics
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| 1/4" | 112         | <b>R26-02RG</b>      | <b>R26-02R</b>          |
| 3/8" | 148         | <b>R26-03RG</b>      | <b>R26-03R</b>          |
| 1/2" | 185         | <b>R26-04RG</b>      | <b>R26-04R</b>          |

## R26 High Pressure Standard Regulators

**Features:**

- 0-250 PSI adjusting range
- self-relieving standard
- non-rising push/pull locking adjustment knob
- panel mount nut standard
- excellent flow characteristics
- can be installed with the adjusting knob in any position
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge can be used for additional outlet ports
- models supplied without gauge use a GC240 gauge
- maximum operating conditions: **300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| 1/4" | 112         | <b>R26-02RHG</b>     | <b>R26-02RH</b>         |
| 3/8" | 148         | <b>R26-03RHG</b>     | <b>R26-03RH</b>         |
| 1/2" | 185         | <b>R26-04RHG</b>     | <b>R26-04RH</b>         |

See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

## R28 Standard Regulators

## Features:

- 0-125 PSI adjusting range
- self-relieving standard
- four adjusting pressure ranges available
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- Two 1/4" NPT gauge ports located on the front and rear faces of the body; ports may be used as additional regulated ports or for pressure gauges.
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|------|-------------|-------------------|----------------------|
| 3/8" | 162         | <b>R28-03RG</b>   | <b>R28-03R</b>       |
| 1/2" | 170         | <b>R28-04RG</b>   | <b>R28-04R</b>       |
| 3/4" | 176         | <b>R28-06RG</b>   | <b>R28-06R</b>       |

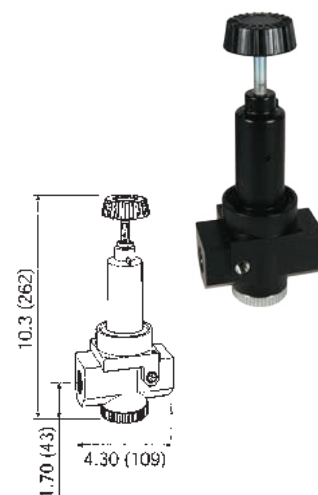
Pneumatic  
Accessories

## R30 High Flow Regulators

## Features:

- 0-125 PSI adjusting range
- self-relieving standard
- piston operated
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|------|-------------|-------------------|----------------------|
| 3/4" | 481         | <b>R30-06RG</b>   | <b>R30-06R</b>       |
| 1"   | 500         | <b>R30-08RG</b>   | <b>R30-08R</b>       |



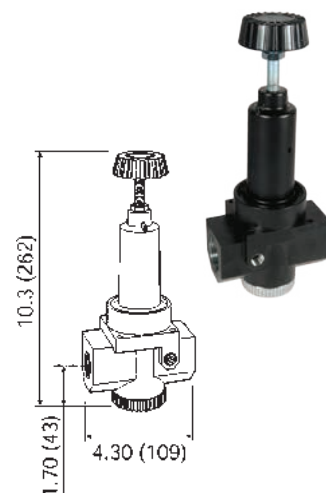
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## R30 High Pressure High Flow Regulators

## Features:

- 0-180 PSI adjusting range
- self-relieving standard
- piston operated
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC240 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|------|-------------|-------------------|----------------------|
| 3/4" | 481         | <b>R30-06RHG</b>  | <b>R30-06RH</b>      |
| 1"   | 500         | <b>R30-08RHG</b>  | <b>R30-08RH</b>      |



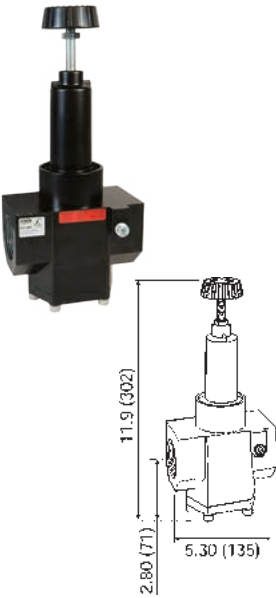
See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.





## R40 High Flow Regulators

**Features:**

- 0-125 PSI adjusting range
- self-relieving standard
- piston operated
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two ¼" NPT gauge ports standard on models without gauge, one ¼" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| 1½"  | 1200        | <b>R40-0BRG</b>      | <b>R40-0BR</b>          |
| 2"   | 1200        | <b>R40-0CRG</b>      | <b>R40-0CR</b>          |

## R40 High Pressure High Flow Regulators

**Features:**

- 0-180 PSI adjusting range
- self-relieving standard
- piston operated
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two ¼" NPT gauge ports standard on models without gauge, one ¼" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC240 gauge
- maximum operating conditions:  
**300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| 1½"  | 1200        | <b>R40-0BRHG</b>     | <b>R40-0BRH</b>         |
| 2"   | 1200        | <b>R40-0CRHG</b>     | <b>R40-0CRH</b>         |

See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

## CB6 Compact Filter / Regulators

Over-under units are space savers and provide for installation in tight areas. One common inlet/outlet for both filter and regulator saves on piping costs.

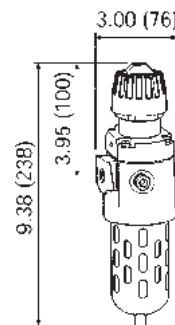
### Features:

- 0-125 PSIG adjusting range
- 5 micron reusable element
- self-relieving standard
- diaphragm operated
- quick-disconnect bowl guard with integral plastic bowl and safety latch standard
- Two 1/4" gauge ports are provided in either side of the regulator body for installation of a gauge or to use as an additional outlet port. Plug unused port(s).
- supplied with GC230 gauge
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl with Sight Glass |                     |
|------|-------------|----------------------------|---------------------|-----------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part #      | Manual Drain Part # |
| 1/4" | 64          | <b>CB6-02AG</b>            | <b>CB6-02MG</b>     | <b>CB6-02AGMB</b>           | <b>CB6-02MGMB</b>   |
| 3/8" | 70          | <b>CB6-03AG</b>            | <b>CB6-03MG</b>     | <b>CB6-03AGMB</b>           | <b>CB6-03MGMB</b>   |
| 1/2" | 70          | <b>CB6-04AG</b>            | <b>CB6-04MG</b>     | <b>CB6-04AGMB</b>           | <b>CB6-04MGMB</b>   |



with guard



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Accessories

## B18 Compact Filter / Regulators

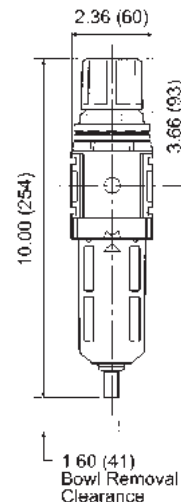
### Features:

- 5-125 PSIG adjusting range for transparent bowl with guard
- 10-250 PSIG adjusting range for metal bowl with sight glass
- 5 micron element
- 1.72 oz. bowl
- self-relieving standard
- spring-loaded diaphragm
- To increase regulated pressure, pull adjusting knob and turn clockwise. To reduce pressure, turn knob counter clockwise. To lock knob, push down.
- Two 1/4" gauge ports located on the front and rear faces of the body. These ports may be used as additional regulated ports or for pressure gauges. Plug unused port(s).
- transparent bowl supplied with GC230 gauge
- metal bowl supplied with GC240 gauge
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl with Sight Glass |                     |
|------|-------------|----------------------------|---------------------|-----------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part #      | Manual Drain Part # |
| 1/4" | 88          | <b>B18-02AG</b>            | <b>B18-02MG</b>     | <b>B18-02AGMB</b>           | <b>B18-02MGMB</b>   |
| 3/8" | 117         | <b>B18-03AG</b>            | <b>B18-03MG</b>     | <b>B18-03AGMB</b>           | <b>B18-03MGMB</b>   |
| 1/2" | 121         | <b>B18-04AG</b>            | <b>B18-04MG</b>     | <b>B18-04AGMB</b>           | <b>B18-04MGMB</b>   |



with metal bowl



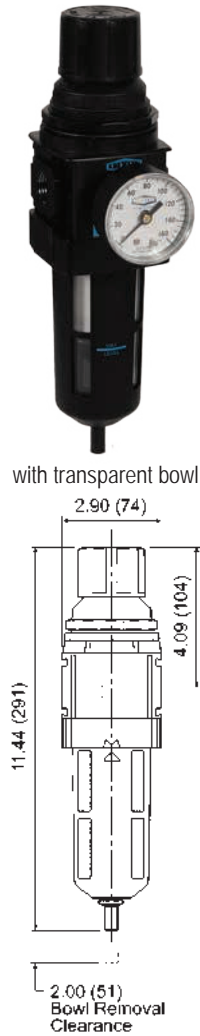
See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

## B28 Standard Filters/Regulators

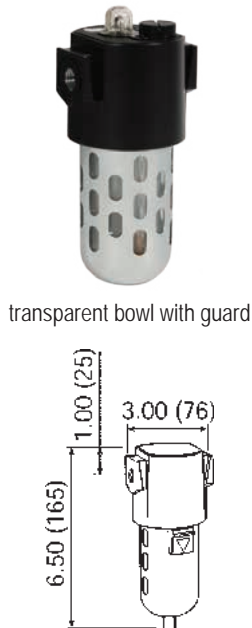
**Features:**

- 5-125 PSIG adjusting range for transparent bowl with guard
- 10-250 PSIG adjusting range for metal bowl with sight glass
- 5 micron element
- 2.87 oz. bowl
- self-relieving standard
- spring-loaded diaphragm
- To increase regulated pressure, pull adjusting knob and turn clockwise. To reduce pressure, turn knob counter clockwise. To lock knob, push down.
- Two 1/4" gauge ports located on the front and rear faces of the body. These ports may be used as additional regulated ports or for pressure gauges. Plug unused port(s).
- transparent bowl supplied with GC230 gauge
- metal bowl supplied with GC240 gauge
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Flow<br>(SCFM) | Transparent Bowl and Guard |                        | Metal Bowl with Sight Glass |                        |
|------|----------------|----------------------------|------------------------|-----------------------------|------------------------|
|      |                | Automatic Drain<br>Part #  | Manual Drain<br>Part # | Automatic Drain<br>Part #   | Manual Drain<br>Part # |
| 3/8" | 140            | <b>B28-03AG</b>            | <b>B28-03MG</b>        | <b>B28-03AGMB</b>           | <b>B28-03MGMB</b>      |
| 1/2" | 165            | <b>B28-04AG</b>            | <b>B28-04MG</b>        | <b>B28-04AGMB</b>           | <b>B28-04MGMB</b>      |
| 3/4" | 175            | <b>B28-06AG</b>            | <b>B28-06MG</b>        | <b>B28-06AGMB</b>           | <b>B28-06MGMB</b>      |

See pages 401 to 405 for accessories.  
SCFM ratings at 100 PSIG inlet pressure.

## L16 EconOmist® Compact Lubricators



Designed so that all the oil flow observed in the sight dome is broken into a mist and delivered via the airflow to the application. The oil in the bowl can be filled or replenished without interrupting airflow or bleeding pressure from the system. Once the oil-fill cap is removed, the bowl is depressurized and isolated from line pressure, and the bowl itself can then be removed for faster refill, if desired. The bowl can be filled right to the top.

**Features:**

- 5 oz. bowl
- full view sight dome
- fill under pressure design
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Flow<br>(SCFM) | Transparent Bowl<br>Part # | Metal Bowl<br>Part # |
|------|----------------|----------------------------|----------------------|
| 1/4" | 36.1           | <b>L16-02A</b>             | <b>L16-02AMB</b>     |
| 3/8" | 58.5           | <b>L16-03A</b>             | <b>L16-03AMB</b>     |
| 1/2" | 64.0           | <b>L16-04A</b>             | <b>L16-04AMB</b>     |

See pages 401 to 405 for accessories.  
See page 367 for air tool lubricant.

**!** FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

**Flow Guide®**

The elastomer disc-shaped device is located in the throat of all Wilkerson lubricators and automatically maintains a constant ratio of oil flow to airflow regardless of changing rates of airflow. This allows one lubricator to serve several pneumatic components operating together or intermittently.

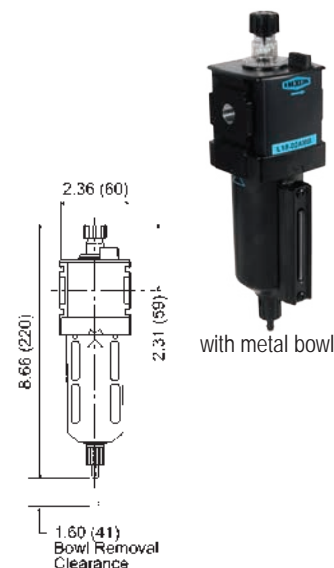
**Type of oil to use:**

For all Wilkerson lubricators, use any petroleum-base, non-detergent light weight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil. Do not use synthetic oil or any oils containing additives or solvents. See page 367 for air tool lubricants.

**L18 EconOmist® Compact Lubricators****Features:**

- 4 oz. bowl
- manual drain
- high flow capacity
- can be filled under pressure
- To adjust and set oil delivery rate the unit must be pressurized and air must be flowing through the unit. Turn the sight dome, located on the top of the unit, counter clockwise to initiate oil delivery. The rate of oil delivery depends on air flow rate. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally. Turning the sight dome clockwise will stop all oil delivery.
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl<br>Part # | Metal Bowl<br>Part # |
|------|-------------|----------------------------|----------------------|
| ¼"   | 88          | <b>L18-02A</b>             | <b>L18-02AMB</b>     |
| ⅜"   | 90          | <b>L18-03A</b>             | <b>L18-03AMB</b>     |
| ½"   | 96          | <b>L18-04A</b>             | <b>L18-04AMB</b>     |

**L26 EconOmist® Standard Lubricators****Features:**

- 10 oz. bowl
- adjustable oil feed
- can be filled under pressure
- quick-disconnect metal bowl guard with integral safety latch
- siphon tube filter provides clean lubricant downstream
- The rate of oil delivery may be controlled by turning the adjusting screw counter clockwise for more and clockwise for less oil delivery. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally.
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl<br>Part # | Metal Bowl <sup>1</sup><br>Part # |
|------|-------------|----------------------------|-----------------------------------|
| ¼"   | 35          | <b>L26-02A</b>             | <b>L26-02AMB</b>                  |
| ⅜"   | 60          | <b>L26-03A</b>             | <b>L26-03AMB</b>                  |
| ½"   | 128         | <b>L26-04A</b>             | <b>L26-04AMB</b>                  |

<sup>1</sup> metal bowl has sight gauge with brass petcock drain



See pages 401 to 405 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

## L28 EconOmist® Standard Lubricators

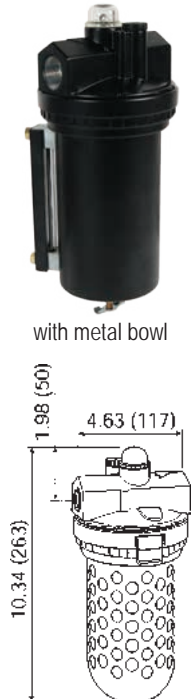
**Features:**

- 6.11 oz. bowl
- manual drain
- high flow capacity
- can be filled under pressure
- To adjust and set oil delivery rate the unit must be pressurized and air must be flowing through the unit. Turn the sight dome, located on the top of the unit, counter clockwise to initiate oil delivery. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally. Turning the sight dome clockwise will stop all oil delivery.
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl<br>Part # | Metal Bowl<br>Part # |
|------|-------------|----------------------------|----------------------|
| 3/8" | 176         | <b>L28-03A</b>             | <b>L28-03AMB</b>     |
| 1/2" | 184         | <b>L28-04A</b>             | <b>L28-04AMB</b>     |
| 3/4" | 200         | <b>L28-06A</b>             | <b>L28-06AMB</b>     |

SCFM ratings at 150 PSIG inlet pressure.

## L30 EconOmist® Standard Lubricators

**Features:**

- 26 oz. bowl
- transparent bowl: no drain  
metal bowl: manual brass petcock drain
- can be filled under pressure
- The rate of oil delivery may be controlled by turning the adjusting screw counter clockwise for more and clockwise for less oil delivery. The oil delivery rate will change automatically to deliver more oil during higher air flows and less oil for air flows lower than the one at which the setting was made.
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl<br>Part # | Metal Bowl<br>Part # |
|------|-------------|----------------------------|----------------------|
| 3/4" | 196         | <b>L30-06A</b>             | <b>L30-06AMB</b>     |
| 1"   | 374         | <b>L30-08A</b>             | <b>L30-08AMB</b>     |

SCFM ratings at 120 PSIG inlet pressure.

See pages 401 to 405 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

## L40 &amp; L50 EconOmist® Standard Lubricators

## Features:

- 26 oz. bowl
- transparent bowl: solid bottom  
metal bowl: manual drain with sight glass
- full view sight dome
- adjustable oil feed
- can be filled under pressure
- quick-disconnect clamp ring for easy bowl removal
- The rate of oil delivery may be controlled by turning the adjusting screw counter clockwise for more and clockwise for less oil delivery. The oil delivery rate will change automatically to deliver more oil during higher air flows and less oil for air flows lower than the one at which the setting was made.
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl<br>Part # | Metal Bowl with Sight Glass<br>Part # |
|------|-------------|----------------------------|---------------------------------------|
| 1½"  | 927         | <b>L40-0BA</b>             | <b>L40-0BAMB</b>                      |
| 2"   | 1186        | <b>L50-0CA</b>             | <b>L50-0CAMB</b>                      |



transparent bowl with guard

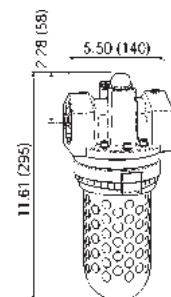


illustration represents L40 series

See pages 401 to 405 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 120 PSIG inlet pressure.

## C16 Compact Combination Units

## Features:

- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 175°F (0°C to 80°C)**
- Included components:
  - (2) modular sleeves
  - (2) mounting brackets (sleeve and bracket)
  - (2) end blocks

Filter series F16:

- 5 micron element
- 2.7 oz. bowl

Regulator series R16:

- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

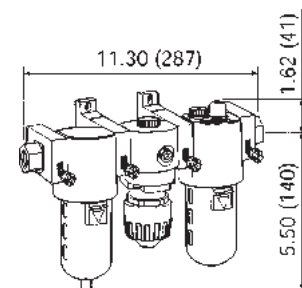
Lubricator series L16:

- 5 oz. bowl
- adjustable oil feed
- full view sight dome

| Size | Flow (SCFM) | Transparent Bowl and Guard |                        | Metal Bowl with Sight Glass |                        |
|------|-------------|----------------------------|------------------------|-----------------------------|------------------------|
|      |             | Automatic Drain<br>Part #  | Manual Drain<br>Part # | Automatic Drain<br>Part #   | Manual Drain<br>Part # |
| ¼"   | 36.1        | <b>C16-02A</b>             | <b>C16-02M</b>         | <b>C16-02AMB</b>            | <b>C16-02MMB</b>       |
| ⅜"   | 58.5        | <b>C16-03A</b>             | <b>C16-03M</b>         | <b>C16-03AMB</b>            | <b>C16-03MMB</b>       |
| ½"   | 64.0        | <b>C16-04A</b>             | <b>C16-04M</b>         | <b>C16-04AMB</b>            | <b>C16-04MMB</b>       |



transparent bowl with guard



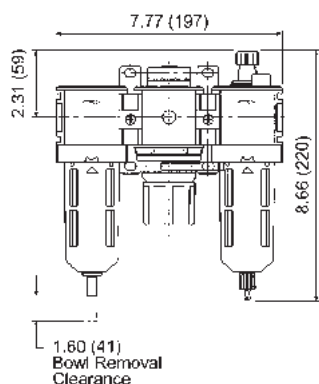
FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.





with metal bowl



## C18 Compact Combination Units

### Features:

- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**
- Included components:
  - (2) end blocks
  - (2) mounting brackets with joiner set and port O-ring

### Filter series F18:

- 5 micron element
- 1.72 oz. bowl

### Regulator series R18:

- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

### Lubricator series L18:

- 4 oz. bowl
- adjustable oil feed
- full view sight dome

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl with Sight Glass |                     |
|------|-------------|----------------------------|---------------------|-----------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part #      | Manual Drain Part # |
| ¼"   | 110         | <b>C18-02A</b>             | <b>C18-02M</b>      | <b>C18-02AMB</b>            | <b>C18-02MMB</b>    |
| ⅜"   | 160         | <b>C18-03A</b>             | <b>C18-03M</b>      | <b>C18-03AMB</b>            | <b>C18-03MMB</b>    |
| ½"   | 160         | <b>C18-04A</b>             | <b>C18-04M</b>      | <b>C18-04AMB</b>            | <b>C18-04MMB</b>    |

## C26 Standard Combination Units

### Features:

- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 175°F (0°C to 80°C)**
- Included components:
  - (2) modular sleeves
  - (2) mounting brackets (sleeve and bracket)
  - (2) end blocks

### Filter series F26:

- 5 micron element
- 3.2 oz. bowl

### Regulator series R26:

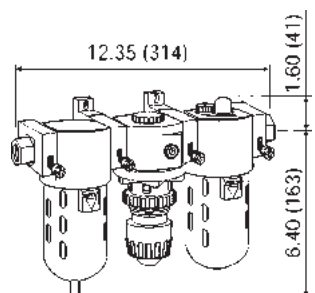
- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

### Lubricator series L26:

- 10 oz. bowl
- adjustable oil feed
- full view sight dome



with metal bowl



| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl             |                     |
|------|-------------|----------------------------|---------------------|------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| ¼"   | 35          | <b>C26-02A</b>             | <b>C26-02M</b>      | <b>C26-02AMB</b>       | <b>C26-02MMB</b>    |
| ⅜"   | 60          | <b>C26-03A</b>             | <b>C26-03M</b>      | <b>C26-03AMB</b>       | <b>C26-03MMB</b>    |
| ½"   | 128         | <b>C26-04A</b>             | <b>C26-04M</b>      | <b>C26-04AMB</b>       | <b>C26-04MMB</b>    |



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

## C28 Standard Combination Units

## Features:

- modern design and appearance
- quick disconnect bowl / bowl guard
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 150°F (0°C to 65.5°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**
- Included components:
  - (2) end blocks
  - (2) mounting brackets with joiner set and port O-ring

## Filter series F28:

- 5 micron element
- 2.87 oz. bowl

## Regulator series R28:

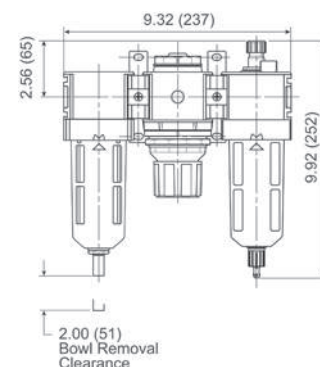
- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

## Lubricator series L28:

- 6 oz. bowl
- adjustable oil feed
- full view sight dome

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl             |                     |
|------|-------------|----------------------------|---------------------|------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 3/8" | 150         | <b>C28-03A</b>             | <b>C28-03M</b>      | <b>C28-03AMB</b>       | <b>C28-03MMB</b>    |
| 1/2" | 175         | <b>C28-04A</b>             | <b>C28-04M</b>      | <b>C28-04AMB</b>       | <b>C28-04MMB</b>    |
| 3/4" | 175         | <b>C28-06A</b>             | <b>C28-06M</b>      | <b>C28-06AMB</b>       | <b>C28-06MMB</b>    |

SCFM ratings given at 150 PSIG inlet pressure.



## C31 Jumbo Combination Units

## Features:

- high flow capacity
- large bowl reservoir
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 175°F (0°C to 80°C)**
- Included components:
  - (2) brass hex nipples

## Filter series F30:

- 5 micron element
- 2 oz. bowl

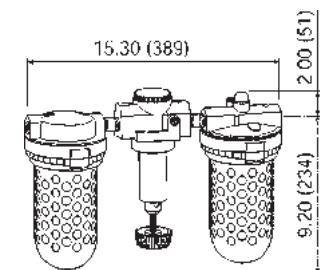
## Regulator series R30:

- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

## Lubricator series L30:

- 26 oz. bowl
- adjustable oil feed
- full view sight dome

| Size | Flow (SCFM) | Transparent Bowl and Guard |                     | Metal Bowl with Sight Glass |                     |
|------|-------------|----------------------------|---------------------|-----------------------------|---------------------|
|      |             | Automatic Drain Part #     | Manual Drain Part # | Automatic Drain Part #      | Manual Drain Part # |
| 3/4" | 374         | <b>C31-06A</b>             | <b>C31-06M</b>      | <b>C31-06AMB</b>            | <b>C31-06MMB</b>    |
| 1"   | 374         | <b>C31-08A</b>             | <b>C31-08M</b>      | <b>C31-08AMB</b>            | <b>C31-08MMB</b>    |

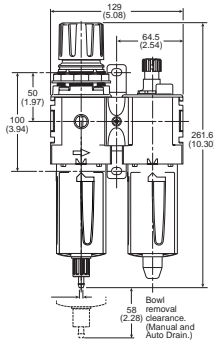


FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 120 PSIG inlet pressure.



with transparent bowl and guard

**Features:**

- light weight, Ready-to-Mount assembly comes standard with pressure gauge and modular T-Bracket/Joiner Assembly
- components integrated into single unit
- modern design and appearance
- quick disconnect bowl / bowl guard
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**
- 5 micron element
- 4 oz. bowl/lubricator

**Regulator**

- 0-125 PSI adjusting range
- self-relieving
- supplied with gauge
- 1.72 oz. bowl/filter

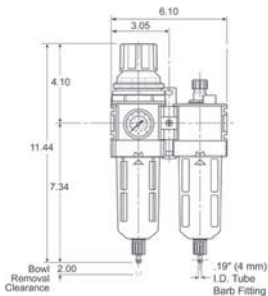
| Size | Flow<br>(SCFM) | Transparent Bowl and Guard | Metal Bowl / Sight Gauge |
|------|----------------|----------------------------|--------------------------|
|      |                | Manual Drain<br>Part #     | Manual Drain<br>Part #   |
| 1/2" | 175            | <b>D18-04M</b>             | <b>D18-04MMB</b>         |

SCFM ratings at 150 PSIG inlet pressure.

## D28 Combination Units



with metal bowl

**Features:**

- light weight, Ready-to-Mount assembly comes standard with pressure gauge and modular T-Bracket/Joiner Assembly
- components integrated into single unit
- modern design and appearance
- quick disconnect bowl / bowl guard
- maximum operating conditions:
  - **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**
- 5 micron element
- 6 oz. bowl/lubricator

**Regulator**

- 0-125 PSI adjusting range
- self-relieving
- supplied with gauge
- 2.87 oz. bowl/filter

| Size | Flow<br>(SCFM) | Metal Bowl / Sight Gauge |
|------|----------------|--------------------------|
|      |                | Manual Drain<br>Part #   |
| 1/2" | 110            | <b>D28-04MMB</b>         |
| 3/4" | 130            | <b>D28-06MMB</b>         |



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 150 PSIG inlet pressure.

## C31 Combination Unit with Protective Frame

**Application:**

Provides downstream air preparation with protection and convenience.

**Features:**

Include components:

- C31-08AMB 1" FRL with metal bowls and auto drain filter
- BBLV100 1" brass ball valve and AM12 air king on inlet port
- BBV100DTW 3-way ball valve installed between regulator and lubricator provides option for non-lubricated air
- heavy duty frame protects air prep components
- operating:  
maximum pressure: **250 PSIG**  
temperature range: **40°F to 150°F (4°C to 66°C)**  
flow: 320 SCFM

| Size | Part #             |
|------|--------------------|
| 1"   | <b>C31-08FRAME</b> |

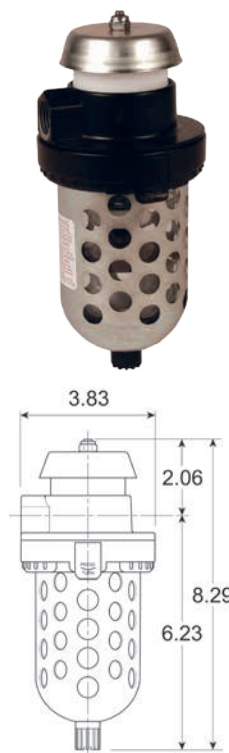
Pneumatic  
Accessories

## F23 Exhaust Muffler

**Features:**

- The contaminants in the exhaust flow are mechanically separated and twice filtered to 5 micron levels. The clean, muffled exhaust flows out of the unit under the metal hood on top.
- removes oily aerosols from exhaust flows
- one inlet port
- 5 micron element
- quick disconnect clamp ring for easy bowl removal
- manual drain
- operating:  
maximum pressure: **150 PSIG (10.3 bar)**  
temperature range: **32°F to 125°F (0°C to 52°C)**

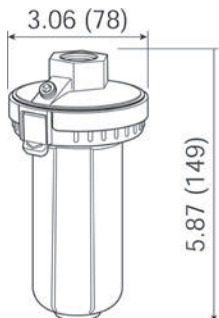
| Size | Flow @ 90 PSI | Transparent Bowl with Guard<br>Part # |
|------|---------------|---------------------------------------|
| ½"   | 240 SCFM      | <b>F23-04M</b>                        |



FRL's are designed for air service only, unless otherwise indicated.



with metal bowl



## X02 Automatic Drains

As liquid contaminants collect in the bowl, they raise a closed-cell cellular float. When the liquid level reaches a given point, the float triggers a mechanism which pilots line pressure against a large area piston or diaphragm which snaps open the drain valve. The contaminants are discharged from the drain orifice at line pressure. As the liquid level falls, the pilot valve closes, line pressure against the piston/diaphragm returns to atmosphere and the drain valve snaps closed.

### Features:

- 5 oz. bowl
- fully automatic, float operated
- full ½" NPT drain inlet
- quick-disconnect clamp ring for easy bowl removal when servicing
- no electrical connections
- easy installation
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

| Size | Transparent Bowl<br>Part # | Metal Bowl<br>Part # |
|------|----------------------------|----------------------|
| ½"   | <b>X02-04</b>              | <b>X02-04MB</b>      |

## Lockout Valves

### Application:

Lockout valves are installed in pneumatic drop legs, or individual pneumatic control lines. In accordance with OSHA procedures, lockout valves are used during maintenance and service procedures of pneumatically (air) operated equipment.



### Features:

- used to comply with OSHA 29 CFR part 1910
- built in port for pressure verification to meet ANSI B11 and Pmm155 requirements
- inline or surface mountable
- yellow cast aluminum body with red handle
- pressure range: **15-300 PSI**
- temperature range: **40°F to 175°F (4°C to 79°C)**

| Port In/Out | Port Exhaust | Part #        |
|-------------|--------------|---------------|
| ½"          | ¾"           | <b>LV4N6D</b> |
| ¾"          | ¾"           | <b>LV6N6D</b> |
| ¾"          | 1¼"          | <b>LV6NAD</b> |
| 1"          | 1¼"          | <b>LV8NAD</b> |

## Filter Elements

| Used On | Description      | Part #            |
|---------|------------------|-------------------|
| F03     | 5 micron element | <b>PS403</b>      |
| F08     |                  | <b>FRP-96-729</b> |
| F16     |                  | <b>FRP-95-160</b> |
| F18     |                  | <b>FRP-96-639</b> |
| F26     |                  | <b>FRP-95-115</b> |
| F28     |                  | <b>FRP-96-653</b> |
| F30     |                  | <b>FRP-95-209</b> |
| F35     |                  | <b>FRP-95-505</b> |
| F42     |                  | <b>FRP-95-566</b> |



FRP-95-115

Pneumatic  
Accessories

## Coalescing Filter Elements

| Used On       | Description                  | Part #            |
|---------------|------------------------------|-------------------|
| M16, M26, M30 | type B element (0.5 micron)  | <b>MSP-95-989</b> |
| M16           | type C element (0.01 micron) | <b>MTP-95-548</b> |
| M26           | type C element (0.01 micron) | <b>MTP-95-549</b> |
| M30           | type C element (0.01 micron) | <b>MTP-95-551</b> |
| M35           | type C element (0.01 micron) | <b>MTP-95-502</b> |



MTP-95-548

## Desiccant Dryer Gel Refill

| Used On | Description                 | Part #            |
|---------|-----------------------------|-------------------|
| X03     | 8 bags of silica gel refill | <b>DRP-85-059</b> |



## Filter Bowls with Drain

| Used On  | Description   | Part #            |
|----------|---|-------------------|
| F08      | plastic bowl with guard and manual drain              | <b>GRP-96-712</b> |
| F16, M16 | plastic bowl and metal bowl guard with flex tip drain | <b>FRP-95-014</b> |
|          | plastic bowl and metal bowl guard with auto drain     | <b>FRP-95-015</b> |
|          | plastic bowl with manual drain                        | <b>FRP-95-017</b> |
|          | metal bowl with sight glass and manual drain          | <b>GRP-95-133</b> |
|          | metal bowl with auto drain                            | <b>FRP-95-950</b> |
| F18      | plastic bowl and bowl guard with manual drain         | <b>GRP-96-634</b> |
|          | plastic bowl and bowl guard with auto drain           | <b>GRP-96-635</b> |
|          | metal bowl with sight glass and manual drain          | <b>GRP-96-636</b> |
| F26, M26 | plastic bowl and metal bowl guard with flex tip drain | <b>GRP-95-935</b> |
|          | plastic bowl and metal bowl guard with auto drain     | <b>GRP-95-948</b> |
|          | metal bowl with sight glass and manual drain          | <b>GRP-95-931</b> |
|          | metal bowl with auto drain                            | <b>GRP-95-960</b> |
| F28      | plastic bowl, bowl guard, manual drain                | <b>GRP-96-642</b> |
|          | metal bowl, with sight glass, manual drain            | <b>GRP-96-644</b> |
| F30, M30 | plastic bowl and metal bowl guard with manual drain   | <b>FRP-95-832</b> |
|          | plastic bowl and metal bowl guard with auto drain     | <b>FRP-95-775</b> |
|          | plastic bowl with flex tip drain                      | <b>FRP-96-315</b> |
|          | metal bowl with sight glass and manual drain          | <b>GRP-95-676</b> |
|          | metal bowl with auto drain                            | <b>GRP-95-970</b> |



FRP-95-015





GRP-96-001

## Filter Drains

| Used On   | Description  | Part #            |
|---|--|-------------------|
| F16, F18, F26, F28, F30, F35, M16, M26, M30, M32, M35 | automatic drain with fluoro-carbon seal            | <b>GRP-95-981</b> |
| F16, F18, F26, F28, F30, M16, M26, M30                | automatic float drain with a nitrile seal          | <b>GRP-95-973</b> |
| F16, F18, F26, F28, F30, F35, M16, M26, M30, M35      | manual override drain                              | <b>GRP-96-001</b> |
| F16, F26, F30, M16, M26, M30                          | manual petcock drain for use with metal bowl units | <b>GRP-95-182</b> |
| F16, F26, F30, M16, M26, M30                          | manual flex tip drain                              | <b>GRP-95-610</b> |
| F18, F28  | manual drain                                       | <b>GRP-96-685</b> |

## Sight Glass Kit



| Used On  | Description                     | Part #            |
|----------|---------------------------------|-------------------|
| M16, M26 | sight glass kit for metal bowls | <b>GRP-95-079</b> |

## Differential Pressure Indicators

## Features:

- used to replace damaged indicators on filters and modular coalescing filters
- pressure loss changes color of indicator window from green to red



DP2-01-000

| Used On            | Description | Part #            |
|--------------------|-------------|-------------------|
| M16, M26, M30, M32 | indicator   | <b>DP2-01-000</b> |
| F35, M35           | indicator   | <b>DP2-01-001</b> |

## Regulator Spring



| Used On | Description     | Part #            |
|---------|-----------------|-------------------|
| R16     | 0-50 PSI spring | <b>RRP-95-222</b> |

## Regulator Flush Mounted Gauge



## Application:

- for units originally purchased with a flush mounted gauge

| Used On | Description | Part #            |
|---------|-------------|-------------------|
| R08     | 0-160 PSI   | <b>GRP-96-719</b> |

## Ring Style Tamper Resistant Kits



RPA-95-006

| Used On  | Description                     | Part #            |
|----------|---------------------------------|-------------------|
| R08      | ring style tamper resistant kit | <b>RPA-96-735</b> |
| R16, R26 |                                 | <b>RPA-95-006</b> |
| R18      |                                 | <b>RRP-96-671</b> |
| R28      |                                 | <b>RRP-96-672</b> |

## Regulator Repair Kits

| Used On | Description  | Part #            |
|---------|--|-------------------|
| R16     | self-relieving repair kit                            | <b>RRP-95-131</b> |
| R18     | relieving diaphragm assembly                         | <b>RRP-96-656</b> |
| R26     | self-relieving repair kit                            | <b>RRP-95-952</b> |
| R28     | relieving diaphragm assembly                         | <b>RRP-96-986</b> |
| R30     | valve assembly: valve, spring, bottom plug O-ring    | <b>RRP-95-159</b> |
| R40     | valve assembly: valve, spring, retaining ring O-ring | <b>RRP-95-161</b> |



## Lubricator Bowls and Bowl Guards

| Used On       | Description                                  | Part #            |
|---------------|--|-------------------|
| L08           | plastic bowl with guard and manual drain     | <b>LRP-96-736</b> |
| L16           | metal bowl with sight glass and manual drain | <b>GRP-95-133</b> |
|               | plastic bowl with guard and manual drain     | <b>GRP-95-019</b> |
|               | plastic bowl with no drain                   | <b>LRP-96-937</b> |
| L18           | metal bowl with sight glass, manual drain    | <b>GRP-96-636</b> |
|               | plastic bowl with guard and manual drain     | <b>LRP-96-701</b> |
| L26           | metal bowl with sight glass and manual drain | <b>GRP-95-931</b> |
|               | plastic bowl with no drain                   | <b>LRP-96-938</b> |
| L28           | metal bowl with sight glass, manual drain    | <b>GRP-96-644</b> |
|               | plastic bowl with guard and manual drain     | <b>LRP-96-702</b> |
| L30, L40      | metal bowl with sight glass and manual drain | <b>GRP-95-676</b> |
| L30, L40, L50 | plastic bowl with no drain                   | <b>LRP-96-940</b> |



## Sight Domes and Fill Plugs

| Used On       | Description                         | Part #            |
|---------------|-------------------------------------|-------------------|
| L08, L16, L26 | sight dome kit: dome and O-ring     | <b>LRP-95-239</b> |
| L08           | fill plug kit: fill plug and O-ring | <b>LRP-96-730</b> |
| L16, L26, L30 | fill plug kit: fill plug and O-ring | <b>LRP-95-253</b> |
| L18, L28      | sight dome assembly (new style)     | <b>LRP-96-310</b> |
| L30, L40, L50 | sight dome kit: dome and O-ring     | <b>LRP-95-249</b> |
| L40, L50      | fill plug kit: fill plug and O-ring | <b>LRP-95-250</b> |



## Modular Shut-Off Valves

## Application:

- Useful for isolating and depressurizing a downstream unit requiring maintenance or replacement.

## Features:

- can be installed immediately upstream of a single unit or combination of units
- secure to the unit with a modular sleeve or modular sleeve wall mounting bracket
- ball-type valve operates with a 1/4 turn from open to shut position
- can be locked in the open position
- left to right flow

| Used On                         | Description                  | Part #            |
|---------------------------------|------------------------------|-------------------|
| F16, F26, R16, B26,<br>L16, L26 | ¼" NPT safety shut-off valve | <b>GPA-95-096</b> |
|                                 | ⅜" NPT safety shut-off valve | <b>GPA-95-097</b> |
|                                 | ½" NPT safety shut-off valve | <b>GPA-95-098</b> |





GPA-95-919



GPA-95-223



GPA-96-610

**Features:****Manifold Block**

- flexible installation can be installed after the filter or regulator, providing three additional 1/4" NPT tapped auxiliary ports
- 1/2" inlet/outlet ports non-tapped
- 1-17/32" width

**End Block**

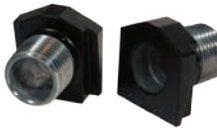
- When used with the modular sleeve, end blocks allow a single unit or a combination of units to be piped into the air system in the modular mode.
- allows ease of unit servicing or replacement without disturbing the air line connections

| Used On                                   | Description                                    | Part #            |
|---|--|-------------------|
| F16, M16, F26, M26,<br>R16, R26, L16, L26 | manifold block, three 1/4" NPT auxiliary ports | <b>GPA-95-919</b> |
|   | end block, 1/4" NPT                            | <b>GPA-95-223</b> |
|   | end block, 3/8" NPT                            | <b>GPA-95-224</b> |
|   | end block, 1/2" NPT                            | <b>GPA-95-225</b> |
| F18, F28, R18, R28,<br>L18, L28           | end block, 1/4" NPT                            | <b>GPA-96-610</b> |
|   | end block, 3/8" NPT                            | <b>GPA-96-611</b> |
|   | end block, 1/2" NPT                            | <b>GPA-96-612</b> |
|   | end block, 3/4" NPT                            | <b>GPA-96-613</b> |

## Modular Pipe Adapters

**Features:**

- When used with the modular sleeve, adapter inserts allow a single unit or a combination of units to be piped into the air system in the modular mode.
- allows ease of unit servicing or replacement without disturbing the air line connections
- set includes 2 blocks



GPA-95-037

| Used On                                   | Description | Part #            |
|---|-------------|-------------------|
| F16, M16, F26, M26,<br>R16, R26, L16, L26 | 1/4" NPT    | <b>GPA-95-035</b> |
|   | 3/8" NPT    | <b>GPA-95-036</b> |
|   | 1/2" NPT    | <b>GPA-95-037</b> |

## Modular Sleeve

**Features:**

- design easily and quickly connects one or more units and accessories together without pipe nipples
- hand tightening the threaded pin provides a tight seal between the units



| Used On                      | Description    | Part #            |
|------------------------------|----------------|-------------------|
| F16, F26, R16, R26, L16, L26 | modular sleeve | <b>GPA-95-292</b> |

## Modular Sleeve with T Bracket

**Features:**

- designed to mount a single unit or combination of units directly to the wall
- sleeve and mounting bracket can be ordered assembled, or just the mounting bracket alone for use on existing modular sleeves



GPA-95-969

| Used On                      | Description                   | Part #                                 |
|------------------------------|-------------------------------|--|
| F16, F26, R16, R26, L16, L26 | bracket<br>sleeve and bracket | <b>GPA-95-968</b><br><b>GPA-95-969</b> |

## Mounting Brackets and Joiner Sets

| Used On<br>Filter/<br>Regulator/<br>Lubricator<br>Series | Description   | Part #            |
|--|---|-------------------|
| RB3  | mounting bracket (type L) and nut                         | <b>GRP-95-747</b> |
| F03  | mounting bracket  | <b>PS417B</b>     |
| F08  | mounting bracket (type T) with joiner set and port O-ring | <b>GPA-96-737</b> |
|  | mounting bracket (type C)                                 | <b>GPA-97-010</b> |
|  | joiner set and port O-ring                                | <b>GPA-96-738</b> |
| R08  | mounting bracket (type L)                                 | <b>GRP-96-739</b> |
| F16, M16   | mounting bracket (type L)                                 | <b>GPA-95-016</b> |
| R16  | mounting bracket (type L) and nut                         | <b>GPA-95-011</b> |
| R16, R21,<br>R26, R30, R40                               | wall mount bracket with 1/4" NPT gauge port adapter       | <b>RRP-95-590</b> |
| F18  | mounting bracket (type C)                                 | <b>GPA-96-604</b> |
|  | mounting bracket (type L)                                 | <b>GPA-96-606</b> |
| F18, F28   | mounting bracket (type T)                                 | <b>GPA-96-602</b> |
|  | mounting bracket (type T) with joiner set and port O-ring | <b>GPA-96-603</b> |
| F26, M26   | mounting bracket (type L)                                 | <b>GPA-95-946</b> |
| R26  | mounting bracket (type C) and nut                         | <b>RPA-95-947</b> |
| F28  | mounting bracket (type C)                                 | <b>GPA-96-605</b> |
|  | mounting bracket (type L)                                 | <b>GPA-96-607</b> |
| F30  | wall mount, U-bolt pipe clamp                             | <b>GRP-95-734</b> |



GPA-96-737

## FRL Display

Increase your sales with this heavy duty, point-of-purchase Dixon® FRL Display. Display is designed to highlight the features and benefits of a modular Filter-Regulator-Lubricator Combination Unit for air line services. The display is perfect for a "Will Call" or showroom sales area.

**Features:**

- FRL combination unit with standard metal bowl with sight glass and manual drain
- modular mounting clamps
- pipe adapters
- display stand
- assembly is required



Part #

**WILK26DISPLAY**

Note: this product will be discontinued once stock is depleted.



## FRL Display

Increase your sales with this heavy duty, point-of-purchase Dixon® FRL Display. Display is designed to highlight the features and benefits of a modular Filter-Regulator-Lubricator Combination Unit for air line services. The display is perfect for your "Will Call" or showroom sales area.

### Features:

- 74 Series basic combination unit with metal bowl with sight glass and manual drain
- modular mounting clamps
- pipe adapters
- display stand
- assembly is required

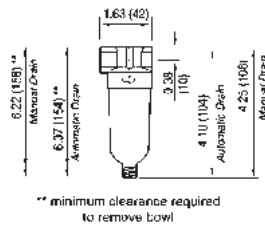
Part #

**NORG74DISPLAY**

Note: this product will be discontinued once stock is depleted.

Series I line of miniature filters, filter/regulators, regulators and lubricators in prepackaged clear plastic units are suitable for hanging on store peg racks or displays. The primary features of each unit are printed on the packaging. Each package contains 1 unit and an instruction sheet.

## F07 Carded Miniature Filters

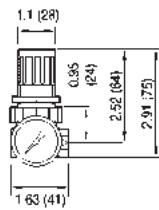


### Features:

- 5 micron element
- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/4"      | 24          | <b>F07-200AC</b>       | <b>F07-200MC</b>    |

## R07 Carded Miniature Regulator

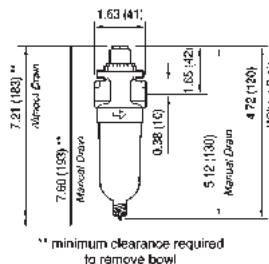


### Features:

- pressure range 5-100 PSI
- relieving type
- inlet pressure **250 PSI** maximum
- maximum temperature: **150°F (66°C)**
- supplied with a GC620 gauge

| Port Size | Flow (SCFM) | with Gauge Part # |
|-----------|-------------|-------------------|
| 1/4"      | 15          | <b>R07-200RGC</b> |

## L07 Carded Miniature Lubricator



### Features:

- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**

| Port Size | Flow (SCFM) | with Transparent Bowl Part # |
|-----------|-------------|------------------------------|
| 1/4"      | 15          | <b>L07-200AC</b>             |



FRL's are designed for air service only, unless otherwise indicated.

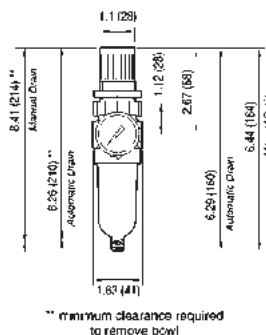
SCFM ratings given at 100 PSIG inlet pressure for regulators, 90 PSIG all others.

## B07 Carded Miniature Filter/Regulators

## Features:

- pressure range 5-100 PSI
- relieving type
- 5 micron element
- 1 oz. reservoir
- push to lock adjusting knob
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- supplied with a GC620 gauge
- bowl guard not available
- transparent bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/4"      | 14          | <b>B07-202AGC</b>      | <b>B07-202MGC</b>   |



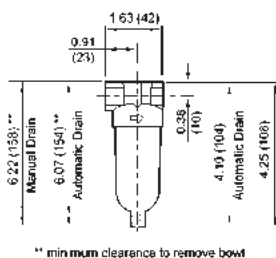
Pneumatic  
Accessories

SCFM ratings given at 150 PSIG inlet pressure.

## F07 Miniature Filters

- 5 micron element
- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/8"      | 19          | <b>F07-100A</b>        | <b>F07-100M</b>     |
| 1/4"      | 24          | <b>F07-200A</b>        | <b>F07-200M</b>     |

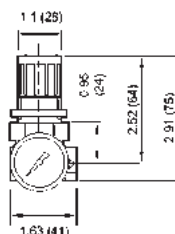


SCFM ratings given at 90 PSIG inlet pressure.

## R07 Miniature Regulators

- pressure range 5-100 PSI
- relieving type
- inlet pressure **300 PSI** max.
- maximum temperature: **150°F (66°C)**
- regulation at flows up to 22 SCFM at 100 PSIG
- RG models supplied with a GC620 gauge
- panel nut not included

| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|-----------|-------------|-------------------|----------------------|
| 1/8"      | 14          | <b>R07-100RG</b>  | <b>R07-100R</b>      |
| 1/4"      | 15          | <b>R07-200RG</b>  | <b>R07-200R</b>      |

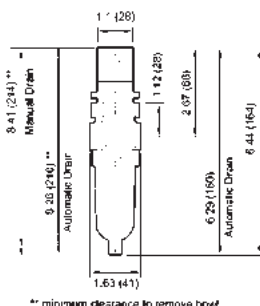


SCFM ratings given at 100 PSIG inlet pressure.

## B07 Miniature Filter / Regulators

- pressure range 5-100 PSI
- relieving type
- 5 micron element
- 1 oz. reservoir
- push to lock adjusting knob
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- supplied with a GC620 gauge
- bowl guard not available
- transparent bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/8"      | 13          | <b>B07-102AG</b>       | <b>B07-102MG</b>    |
| 1/4"      | 24          | <b>B07-202AG</b>       | <b>B07-202MG</b>    |



SCFM ratings given at 150 PSIG inlet pressure.

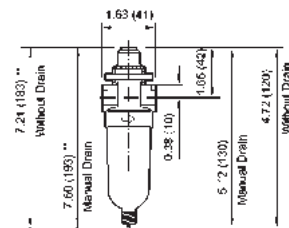


## L07 Miniature Lubricators



- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**

| Port Size | Flow (SCFM) | Transparent Bowl Part # |
|-----------|-------------|-------------------------|
| 1/8"      | 10          | <b>L07-100A</b>         |
| 1/4"      | 14          | <b>L07-200A</b>         |



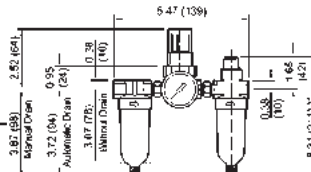
\*\* minimum clearance to remove bowl

## P1A Miniature Combination Units



- pressure range 5-125 PSI
- 1 oz. reservoir
- supplied with a GC620 gauge
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/8"      | 10          | <b>P1A-100A</b>        | <b>P1A-100M</b>     |
| 1/4"      | 14          | <b>P1A-200A</b>        | <b>P1A-200M</b>     |



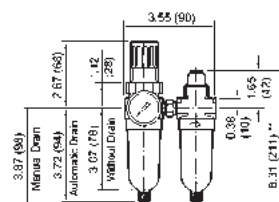
\*\* minimum clearance to remove bowl

## PTH Miniature Combination Units



- pressure range 5-125 PSI
- requires only 2 pipe connections
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # |
|-----------|-------------|------------------------|
| 1/8"      | 10          | <b>PTH-100AG</b>       |
| 1/4"      | 14          | <b>PTH-200AG</b>       |



\*\* minimum clearance to remove bowl

## F72 Sub-Compact Airline Filters

## Features:

- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 2 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **150°F (66°)**

## Transparent Bowl

| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|-----------------------------|---------------------|
| 1/4"      | 55          | <b>F72G-2A</b>              | <b>F72G-2M</b>      |

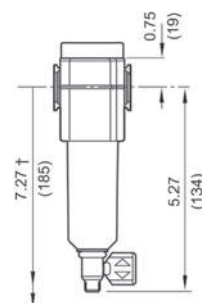
## Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|-----------------------------|---------------------|
| 1/4"      | 55          | <b>F72G-2A-MB</b>           | <b>F72G-2M-MB</b>   |

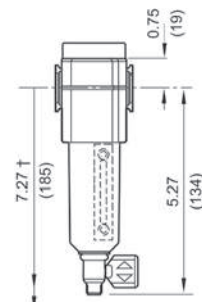
with transparent bowl



with metal bowl



† Minimum clearance to remove bowl



† Minimum clearance to remove bowl



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure for regulators, 90 PSIG all others.

## F73 Compact Airline Filters

## Features:

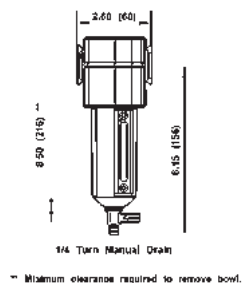
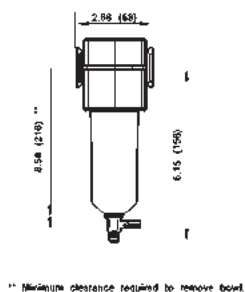
- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 4 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

## Transparent Bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/4"      | 53          | <b>F73G-2A</b>         | <b>F73G-2M</b>      |
| 3/8"      | 65          | <b>F73G-3A</b>         | <b>F73G-3M</b>      |
| 1/2"      | 69          | <b>F73G-4A</b>         | <b>F73G-4M</b>      |

## Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/4"      | 53          | <b>F73G-2A-MB</b>      | <b>F73G-2M-MB</b>   |
| 3/8"      | 65          | <b>F73G-3A-MB</b>      | <b>F73G-3M-MB</b>   |
| 1/2"      | 69          | <b>F73G-4A-MB</b>      | <b>F73G-4M-MB</b>   |



with transparent bowl



with metal bowl

Pneumatic  
Accessories

## F74 Standard Airline Filters

## Features:

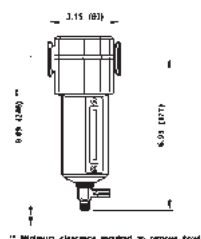
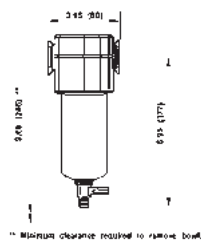
- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 7 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

## Transparent Bowl and Guard

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 3/8"      | 112         | <b>F74G-3A</b>         | <b>F74G-3M</b>      |
| 1/2"      | 140         | <b>F74G-4A</b>         | <b>F74G-4M</b>      |
| 3/4"      | 140         | <b>F74G-6A</b>         | <b>F74G-6M</b>      |

## Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 3/8"      | 112         | <b>F74G-3A-MB</b>      | <b>F74G-3M-MB</b>   |
| 1/2"      | 140         | <b>F74G-4A-MB</b>      | <b>F74G-4M-MB</b>   |
| 3/4"      | 140         | <b>F74G-6A-MB</b>      | <b>F74G-6M-MB</b>   |



with transparent bowl



with metal bowl

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 90 PSIG inlet pressure.

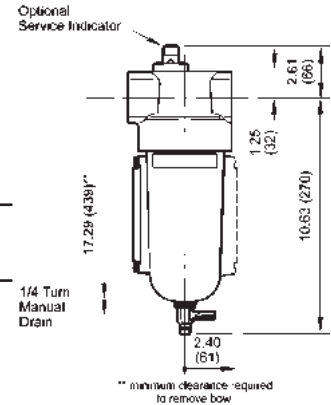
## F17 Jumbo Airline Filters

**Features:**

- general purpose with low pressure drop and excellent water removal characteristics
- 40 micron element
- 1 qt. reservoir
- inlet pressure: **250 PSI** and **175°F (79°C)**

**Metal Bowl and Sight Glass**

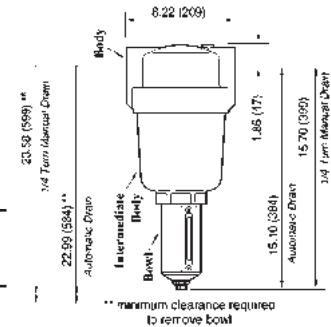
| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| ¾"        | 325         | <b>F17-600A</b>        | <b>F17-600M</b>     |
| 1"        | 425         | <b>F17-800A</b>        | <b>F17-800M</b>     |
| 1¼"       | 425         | <b>F17-A00A</b>        | <b>F17-A00M</b>     |
| 1½"       | 425         | <b>F17-B00A</b>        | <b>F17-B00M</b>     |

**Features:**

- 40 micron element
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- 7 oz. reservoir
- inlet pressure: **250 PSI** and **175°F (79°C)**

**Metal Bowl and Sight Glass**

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 2"        | 1400        | <b>F18-C00A</b>        | <b>F18-C00M</b>     |



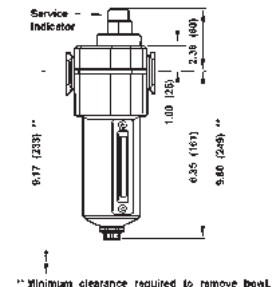
## F74 Oil Removal Filters

**Features:**

- provides air quality class 2 hydrocarbon and class 1 particulate removal per ISO 8573-1
- element removes particles down to 0.01mm. Maximum remaining oil content of air leaving the filter is 0.01 ppm at **70°F (21°C)** with an inlet concentration of 8 ppm
- For maximum service life install a general purpose filter upstream of the oil removal filter.
- service life indicator turns from green to red when element needs to be replaced
- in-line or modular installation
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure: **250 PSI** and **150°F (66°C)**



| Port Size | Flow (SCFM) Saturated | SCFM Dry | Automatic Drain Part # |
|-----------|-----------------------|----------|------------------------|
| ¾"        | 35                    | 70       | <b>F74C-3A-MB</b>      |
| ½"        | 35                    | 75       | <b>F74C-4A-MB</b>      |
| ½"        | 60                    | 100      | <b>F74H-4A-MB</b>      |
| ¾"        | 60                    | 120      | <b>F74H-6A-MB</b>      |



See pages 422 to 427 for accessories.



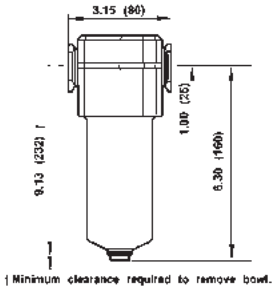
FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 90 PSIG inlet pressure.

F74 Oil Vapor Removal Filters

Features:

- provides air quality class 1 particulate removal per ISO 8573-1, when used with the F74C series
- Filter and element designs optimizes air velocity and contact time to reduce oil content of air leaving the filter to 0.003 ppm at **70°F (21°C)**.
- For maximum service life install a general purpose filter and an oil removal filter upstream of the oil vapor removal filter.
- Minimum service life of 400 hours can be expected if the vapor removal filter is protected upstream by an oil removal (coalescing) filter and if the filtration temperature is in the region of **70° to 80°F (21° to 26°C)**. Above this range, oil vapor content of compressed air increases substantially and element service life is reduced.
- Carbon cartridge element provides long service life.
- Activated carbon cartridge filter element absorbs oil vapors and removes most hydrocarbon odors.
- in-line or modular installation
- quick-release bayonet bowl
- inlet pressure: **250 PSI and 150°F (66°C)**
- metal bowl



| Port Size | Flow (SCFM) | Automatic Drain with Metal Bowl<br>Part # |
|-----------|-------------|---|
| 3/8"      | 21          | <b>F74V-3A-MB</b>                         |
| 1/2"      | 21          | <b>F74V-4A-MB</b>                         |

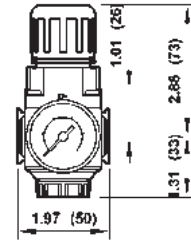
SCFM ratings at 90 PSIG inlet pressure.

## R72 Sub-Compact Regulators

**Features:**

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- two full flow 1/8" NPT gauge ports
- RG models supplied with GC620 gauge
- To order 0-60 PSI range consult Dixon®.

| Port Size | Flow (SCFM) | with Gauge Part #      | without Gauge Part #  |
|-----------|-------------|------------------------|-----------------------|
| 1/4"      | 70          | <b><i>R72G-2RG</i></b> | <b><i>R72G-2R</i></b> |
| 3/8"      | 70          | <b><i>R72G-3RG</i></b> | <b><i>R72G-3R</i></b> |

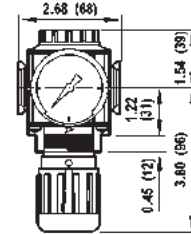


## R73 Compact Regulators

**Features:**

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- relieving type
- two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge
- To order 0-60 PSI range consult Dixon®.

| Port Size | Flow (SCFM) | with Gauge Part #      | without Gauge Part #  |
|-----------|-------------|------------------------|-----------------------|
| 1/4"      | 91          | <b><i>R73G-2RG</i></b> | <b><i>R73G-2R</i></b> |
| 3/8"      | 144         | <b><i>R73G-3RG</i></b> | <b><i>R73G-3R</i></b> |
| 1/2"      | 144         | <b><i>R73G-4RG</i></b> | <b><i>R73G-4R</i></b> |



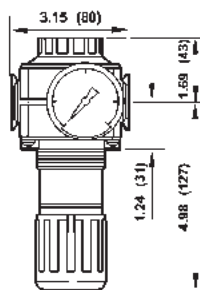
SCFM ratings given at 150 PSIG inlet pressure

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

## R74 Standard Regulators



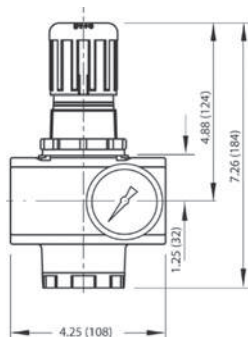
## Features:

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- relieving type
- two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge
- To order 0-60 PSI range consult Dixon®.

| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|-----------|-------------|-------------------|----------------------|
| 3/8"      | 208         | <b>R74G-3RG</b>   | <b>R74G-3R</b>       |
| 1/2"      | 220         | <b>R74G-4RG</b>   | <b>R74G-4R</b>       |
| 3/4"      | 220         | <b>R74G-6RG</b>   | <b>R74G-6R</b>       |

Pneumatic  
Accessories

## R17, R18 Jumbo Regulators

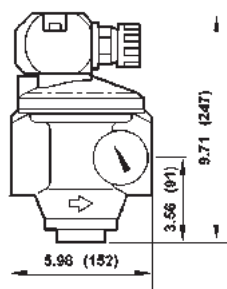


## Features:

- pressure range 5-125 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **175°F (79°C)**
- in-line or modular installation
- relieving type
- two full-flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge

| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|-----------|-------------|-------------------|----------------------|
| 3/4"      | 440         | <b>R17-600RG</b>  | <b>R17-600R</b>      |
| 1"        | 480         | <b>R17-800RG</b>  | <b>R17-800R</b>      |
| 1 1/4"    | 400         | <b>R17-A00RG</b>  | <b>R17-A00R</b>      |
| 1 1/2"    | 440         | <b>R17-B00RG</b>  | <b>R17-B00R</b>      |

SCFM ratings given at 150 PSIG inlet pressure



## Features:

- 5-125 PSI range
- inlet pressure: **450 PSI**
- maximum temperature: **175°F (79°C)**
- relieving type
- two full flow 1/4" NPT gauge ports
- RG model supplied with GC230 gauge

| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|-----------|-------------|-------------------|----------------------|
| 2"        | 2000        | <b>R18-C05RG</b>  | <b>R18-C05R</b>      |

SCFM ratings given at 100 PSIG inlet pressure



## R11 General T-Handle Regulators

Floating valve pin provides positive seating and dependability. Large diaphragm provides quick response to flow demands and line pressure changes. Balanced valve reduces inlet pressure variations on outlet pressure.

## Features:

- pressure range 5-125 PSI
- inlet pressure: **400 PSI**
- maximum temperature: **175°F (79°C)**
- T-handle adjustment
- supplied with GC620 gauge

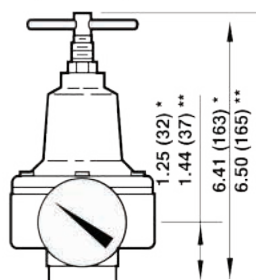
| Port Size | Flow (SCFM) | with Gauge Part # |
|-----------|-------------|-------------------|
| 1/4"      | 110         | <b>R11-013RG</b>  |
| 3/8"      | 110         | <b>R11-037RG</b>  |
| 1/2"      | 260         | <b>R11-061RG</b>  |

SCFM ratings at 150 PSIG.

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.







## R72 Manifold Regulators

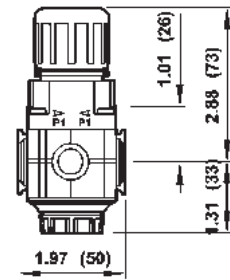
Manifold up to six regulators on a single air supply. Design allows in-line installation with hex nipple or modular installation with 72 Series accessories.

### Features:

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- RG models supplied with GC620 gauge

| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|-----------|-------------|-------------------|----------------------|
| 1/4"      | 83          | <b>R72M-2RG</b>   | <b>R72M-2R</b>       |
| 3/8"      | 83          | <b>R72M-3RG</b>   | <b>R72M-3R</b>       |

SCFM ratings at 150 PSIG.



## R83 Cylinder Gas Regulator



### Applications:

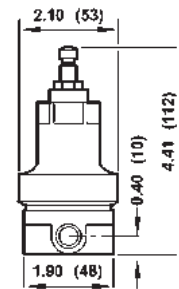
UL listed for service with Carbon Dioxide, water, pumped air, Nitrogen, Argon, Helium, Krypton, Neon and Xenon.  
*Not to be used with flammable gases.*

### Features:

- pressure range 5-125 PSI
- inlet pressure: **3000 PSI**
- maximum temperature: **140°F (60°C)**
- relieving type
- two ports for high pressure and two ports for service

| Port Size | Flow (SCFM) | without Gauge Part # |
|-----------|-------------|----------------------|
| 1/4"      | 10          | <b>R83-200R</b>      |

SCFM ratings given at 1000 PSIG inlet pressure.



## R91 Miniature Water Regulator

### Application:

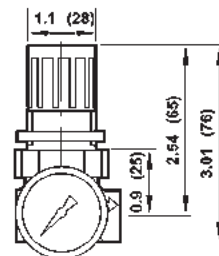
Designed for use with deionized water and potable water systems. Plastic and metal components in contact with fluid are approved by the National Sanitation Foundation (NSF) or meet Food and Drug Administration (FDA) recommendations for use in potable water systems.

### Features:

- inlet pressure: **150 PSI**
- maximum temperature: **125°F (52°C)**
- non-relieving type
- supplied with GC620 gauge
- food grade elastomers

| Port Size | Flow (GPM) | with Gauge Part # |
|-----------|------------|-------------------|
| 1/4"      | 1.75       | <b>R91-221RG</b>  |

Flow rating at 100 PSIG.



See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

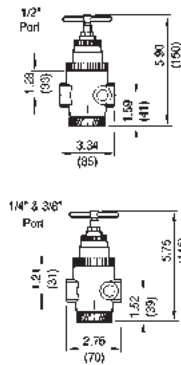
## R43 Water Pressure Regulators

**Application:**

Used in water systems to reduce and maintain pressure at a nearly constant level despite changes in the inlet pressure and changes in downstream flow requirements.

**Features:**

- pressure range 5-125 PSI
- inlet pressure: **400 PSI**
- T-handle adjustment
- brass body and aluminum bonnet
- non-relieving type
- gauge port is full-flow and can be used as an outlet port
- supplied with GC230 gauge
- temperature range:
  - water service: **35° to 200°F (2°C to 93°C)**
  - air service: **-30° to 200°F (-34°C to 93°C)**



| Port Size | Flow (GPM) | with Gauge Part # |
|-----------|------------|-------------------|
| 1/4"      | 5          | <b>R43-201RG</b>  |
| 3/8"      | 5          | <b>R43-301RG</b>  |
| 1/2"      | 10         | <b>R43-406RG</b>  |



Pneumatic Accessories

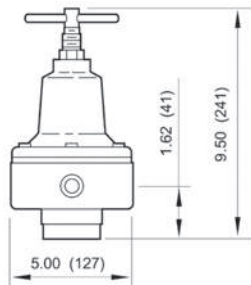
## 11-009 Water Regulators

**Application:**

Balanced valve minimizes effects of the inlet pressure variations on outlet pressure.

**Features:**

- inlet pressure: **400 PSI**
- T-handle adjustment
- non-relieving type
- body, valve and bottom plug are brass, bonnet is aluminum and steel
- elastomers are nitrile
- temperature range:
  - water service: **35° to 200°F (2° to 93°C)**
  - air service: **-30° to 200°F (-34° to 93°C)**



| Port Size | Flow (GPM) | without Gauge Part # |
|-----------|------------|----------------------|
| 3/4"      | 27.5       | <b>11-009-065</b>    |
| 1"        | 27.5       | <b>11-009-081</b>    |

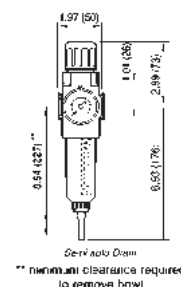
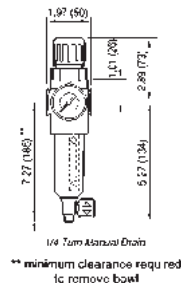


G

## B72 Sub-Compact Filter / Regulators

**Features:**

- particle removal per ISO 8573-1, Class 5 and Class 3
- pressure range 5-150 PSI
- in-line or modular installation
- 40 micron element
- 2 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- supplied with GC620 gauge
- inlet pressure:
  - transparent bowl: **150 PSI and 125°F (52°C)**
  - metal bowl: **250 PSI and 150°F (66°C)**

**Transparent Bowl**

| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|-----------------------------|---------------------|
| 1/4"      | 80          | <b>B72G-2AG</b>             | <b>B72G-2MG</b>     |

**Metal Bowl and Sight Glass**

| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|-----------------------------|---------------------|
| 1/4"      | 80          | <b>B72G-2AG-MB</b>          | <b>B72G-2MG-MB</b>  |
| 3/8"      |             | <b>B72G-3AG-MB</b>          | <b>B72G-3MG-MB</b>  |



with transparent bowl



with metal bowl

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 150 PSIG inlet pressure.



with transparent bowl



with metal bowl

**Features:**

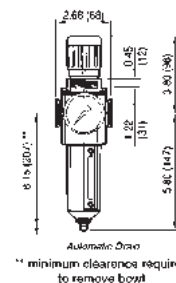
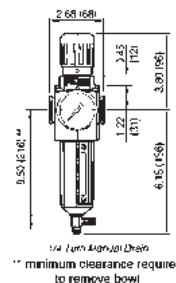
- particle removal per ISO 8573-1, Class 5 and Class 3
- pressure range 5-150 PSI
- in-line or modular installation
- 40 micron element
- 3.5 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- supplied with GC230 gauge
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

**Transparent Bowl**

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/4"      | 78          | <b>B73G-2AG</b>        | <b>B73G-2MG</b>     |
| 3/8"      | 123         | <b>B73G-3AG</b>        | <b>B73G-3MG</b>     |
| 1/2"      | 123         | <b>B73G-4AG</b>        | <b>B73G-4MG</b>     |

**Metal Bowl and Sight Glass**

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/4"      | 78          | <b>B73G-2AG-MB</b>     | <b>B73G-2MG-MB</b>  |
| 3/8"      | 123         | <b>B73G-3AG-MB</b>     | <b>B73G-3MG-MB</b>  |
| 1/2"      | 123         | <b>B73G-4AG-MB</b>     | <b>B73G-4MG-MB</b>  |

**B74 Standard Filters / Regulators****Features:**

- pressure range 5-150 PSI
- 40 micron element
- 7 oz. reservoir
- relieving type
- supplied with GC230 gauge
- inlet pressure:
  - transparent bowl: **5-150 PSI** and **125°F (52°C)**
  - metal bowl: **5-150 PSI** and **175°F (79°C)**

**Transparent Bowl and Guard**

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/2"      | 212         | <b>B74G-4AG</b>        | <b>B74G-4MG</b>     |
| 3/4"      | 212         | <b>B74G-6AG</b>        | <b>B74G-6MG</b>     |

**Metal Bowl and Sight Glass**

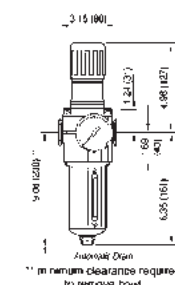
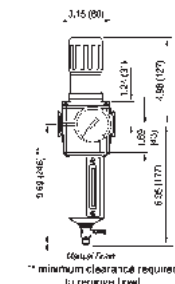
| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 3/8"      | 163         | <b>B74G-3AG-MB</b>     | <b>B74G-3MG-MB</b>  |
| 1/2"      | 212         | <b>B74G-4AG-MB</b>     | <b>B74G-4MG-MB</b>  |
| 3/4"      | 212         | <b>B74G-6AG-MB</b>     | <b>B74G-6MG-MB</b>  |



with guard



with metal bowl



See pages 422 to 427 for accessories.




FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 150 PSIG inlet pressure.

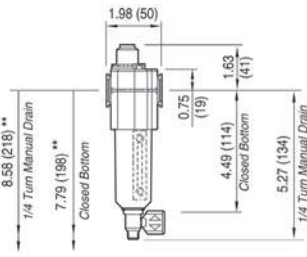
## L72 Sub-Compact Micro-Fog Lubricators

**Application:**

- Micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders and multiple or single tools.
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the reservoir.
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.
- Micro-fog lubricators cannot be filled under pressure. 

**Features:**

- 2 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
  - transparent bowl: **150 PSI and 125°F (52°C)**
  - metal bowl: **250 PSI and 175°F (79°C)**



\*\* minimum clearance required to remove bowl

| Port Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|-----------|-------------|-------------------------|-------------------|
| 1/4"      | 51          | <b>L72M-2</b>           | <b>L72M-2MB</b>   |

SCFM ratings given at 90 PSIG inlet pressure.

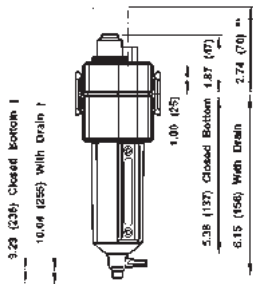


with transparent bowl

## L73 Compact Micro-Fog Lubricators

**Features:**

- 4 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
  - transparent bowl: **150 PSI and 125°F (52°C)**
  - metal bowl: **250 PSI and 175°F (79°C)**



| Port Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|-----------|-------------|-------------------------|-------------------|
| 1/4"      | 70          | <b>L73M-2</b>           | <b>L73M-2MB</b>   |
| 3/8"      | 70          | <b>L73M-3</b>           | <b>L73M-3MB</b>   |
| 1/2"      | 70          | <b>L73M-4</b>           | <b>L73M-4MB</b>   |

SCFM ratings given at 90 PSIG inlet pressure.



with transparent bowl

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

**Applications:**

- Micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders and multiple or single tools.
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the reservoir.
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.



- *Micro-fog lubricators cannot be filled under pressure.*

**L74 Standard Micro-Fog Lubricators****Features:**

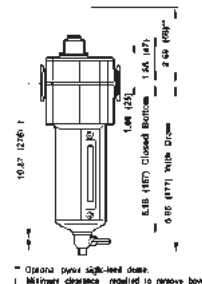
- 7 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**



transparent bowl

| Port Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|-----------|-------------|-------------------------|-------------------|
| 3/8"      | 114         | <b>L74M-3</b>           | <b>L74M-3MB</b>   |
| 1/2"      | 154         | <b>L74M-4</b>           | <b>L74M-4MB</b>   |
| 3/4"      | 142         | <b>L74M-6</b>           | <b>L74M-6MB</b>   |

SCFM ratings given at 90 PSIG inlet pressure.



\* Optional pyrex sight-feed dome.  
† Minimum clearance required to remove bowl.

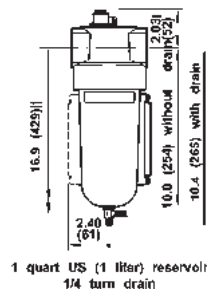
**L17 Jumbo Micro-Fog Lubricators****Features:**

- 1 qt. reservoir
- oil level sight gauge
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|-----------|-------------|------------------------------------|
| 3/4"      | 160         | <b>L17-600A</b>                    |
| 1"        | 275         | <b>L17-800A</b>                    |
| 1 1/4"    | 275         | <b>L17-A00A</b>                    |
| 1 1/2"    | 275         | <b>L17-B00A</b>                    |

SCFM ratings given at 90 PSIG inlet pressure.



1 quart US (1 liter) reservoir  
1/4 turn drain

**10-076 Jumbo General Purpose Oil-Fog Lubricators****Features:**

- 2 gallon reservoir
- oil flow can be positively set
- reservoir is ASME constructed
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**
- oil level sight gauge

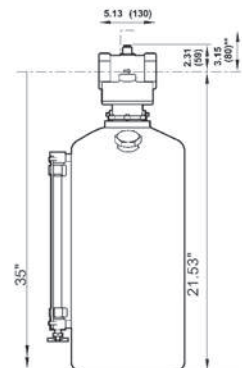


| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|-----------|-------------|------------------------------------|
| 2"        | 1000        | <b>10-076-004</b>                  |

See pages 422 to 427 for accessories.

See page 367 for air tool lubricant.

SCFM ratings given at 100 PSIG inlet pressure.



2 and 5 gallon (8 and 20 liter) reservoir  
\*\* Optional pyrex sight-feed dome.  
† Minimum clearance required to remove bowl.



FRL's are designed for air service only, unless otherwise indicated.

## Micro-Fog Lubricator with Pyrex Sight Feed Dome

## Application:

- Designed for use with alcohol or other anti-freeze agents when units are installed in cold temperature environments.
- Micro-fog lubricators are used for applications containing one or more points of lubrication, cylinders and multiple or single tools.
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the reservoir.

## Features:

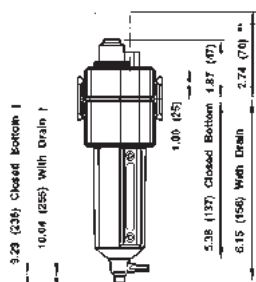
- high pressure sight feed dome with aluminum case and fluorocarbon O-rings and seals; high pressure sight glass on bowls and metal petcock drain
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.
- Micro-fog lubricators cannot be filled under pressure.*



## Compact

## Features:

- 4 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



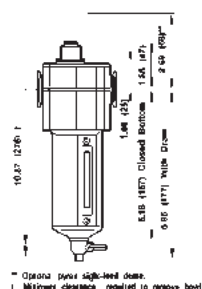
| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|-----------|-------------|------------------------------------|
| 3/8"      | 60          | <b>L73M-3MBPX</b>                  |
| 1/2"      | 60          | <b>L73M-4MBPX</b>                  |



## Standard

## Features:

- 7 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



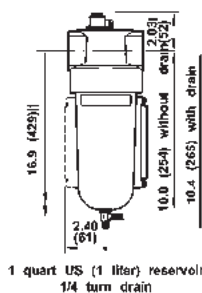
| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|-----------|-------------|------------------------------------|
| 3/8"      | 114         | <b>L74M-3MBPX</b>                  |
| 1/2"      | 154         | <b>L74M-4MBPX</b>                  |
| 3/4"      | 142         | <b>L74M-6MBPX</b>                  |



## Jumbo

## Features:

- 1 qt. reservoir
- oil level sight gauge
- particle removal per ISO 8573-1, class 5 and class 3
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|-----------|-------------|------------------------------------|
| 1"        | 275         | <b>L17-800APX</b>                  |



See pages 422 to 427 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.



## L74 Standard Oil-Fog Lubricators

**Applications:**

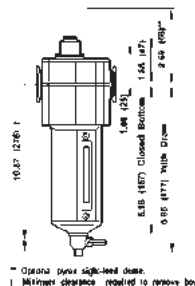
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as near the device as possible.

**Features:**

- all the oil visible dropping through the transparent sight-feed dome goes to the airstream
- L72C, L73C and L74C OIL-FOG lubricators can be filled under pressure
- in-line or modular installation
- quick release bayonet bowl
- can be filled under pressure
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- 7 oz. reservoir



metal bowl



| Port Size | Flow (SCFM) | Transparent Bowl<br>Part # | Metal Bowl<br>Part # |
|-----------|-------------|----------------------------|----------------------|
| 3/8"      | 118         | <b>L74C-3</b>              | <b>L74C-3MB</b>      |
| 1/2"      | 192         | <b>L74C-4</b>              | <b>L74C-4MB</b>      |
| 3/4"      | 186         | <b>L74C-6</b>              | <b>L74C-6MB</b>      |

## L17 Jumbo Oil-Fog Lubricators

**Application:**

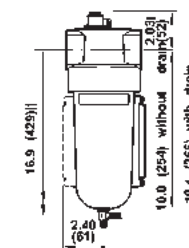
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as close to the device as possible.

**Features:**

- 1 qt. reservoir
- oil level sight gauge
- All the oil visible dropping through the transparent sight-feed dome goes to the airstream.
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F(79°C)**



metal bowl

1 quart US (1 liter) reservoir  
1/4 turn drain

| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass<br>Part # |
|-----------|-------------|---------------------------------------|
| 3/4"      | 160         | <b>L17-600D</b>                       |
| 1"        | 275         | <b>L17-800D</b>                       |
| 1 1/2"    | 275         | <b>L17-B00D</b>                       |

See pages 422 to 427 for accessories.

See page 367 for air tool lubricant.



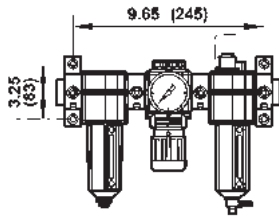
FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.

## E73 Compact Combination Units

## Features:

- 5-150 PSI range
- 4 oz. reservoir
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- supplied with a G230 gauge
- connected modularly
- Includes 2 clamps and wall mounting brackets # 4314-52, 2 clamps # 4314-51 and 2 NPT pipe adapters #4315-01.



## Transparent Bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/4"      | 70          | <b>E73-2A</b>          | <b>E73-2M</b>       |
| 3/8"      | 70          | <b>E73-3A</b>          | <b>E73-3M</b>       |
| 1/2"      | 70          | <b>E73-4A</b>          | <b>E73-4M</b>       |



metal bowls

## Metal Bowl

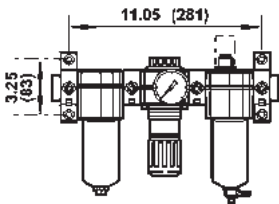
| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 3/8"      | 70          | <b>E73-3A-MB</b>       | <b>E73-3M-MB</b>    |
| 1/2"      | 70          | <b>E73-4A-MB</b>       | <b>E73-4M-MB</b>    |

Pneumatic  
Accessories

## E74 Standard Combination Units

## Features:

- pressure range 5-150 PSI
- 7 oz. reservoir
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- models supplied with a GC230 gauge
- connected modularly
- Includes 2 clamps and wall mounting brackets # 4314-52, 2 clamps # 4314-51 and 2 NPT pipe adapters.



## Transparent Bowl and Guard

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/2"      | 150         | <b>E74-4A</b>          | <b>E74-4M</b>       |
| 3/4"      | 140         | <b>E74-6A</b>          | <b>E74-6M</b>       |



transparent bowl with guard

## Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 3/8"      | 110         | <b>E74-3A-MB</b>       | <b>E74-3M-MB</b>    |
| 1/2"      | 150         | <b>E74-4A-MB</b>       | <b>E74-4M-MB</b>    |
| 3/4"      | 140         | <b>E74-6A-MB</b>       | <b>E74-6M-MB</b>    |

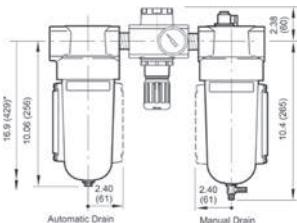
## P8A Jumbo Combination Units

## Features:

- pressure range 5-125 PSI
- 1 qt. reservoir
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**

## Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1"        | 275         | <b>P8A-860A</b>        | <b>P8A-860M</b>     |



\* Minimum clearance required to remove bowl.



with metal bowls

SCFM ratings given at 90 PSIG inlet pressure.



FRL's are designed for air service only, unless otherwise indicated.

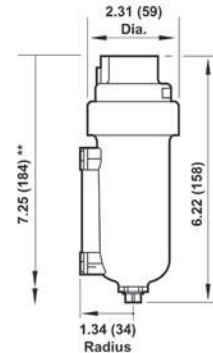
**Application:**

- Used in compressed air systems to automatically expel liquids from piping systems. Installed at low points in piping and at end of pipe network where water is likely to accumulate.

**Features:**

- metal bowl
- drain is ported to 1/8" NPT
- inlet pressure: **250 PSIG**
- maximum temperature: **175°F (79°C)**

| Port Size | Part #            |
|-----------|-------------------|
| 1/2"      | <b>17-016-107</b> |



\*\* Minimum clearance to remove bowl.

## Filter Elements



5 micron element  
5925-03

| Used On | Description   | Part #   |
|---------|---|--|
| F07     | 5 micron  | <b>3652-11</b>                                     |
| F08     | 5 micron<br>40 micron                                   | <b>3161-16</b><br><b>3161-18</b>                   |
| F17     | 5 micron bronze<br>25 micron bronze<br>40 micron bronze | <b>5311-01</b><br><b>5311-02</b><br><b>5311-03</b> |
| F18     | 5 micron bronze<br>25 micron bronze<br>50 micron bronze | <b>5882-11</b><br><b>5882-12</b><br><b>5882-13</b> |
| F72     | 5 micron<br>40 micron                                   | <b>5925-03</b><br><b>5925-02</b>                   |
| F73     | 5 micron<br>40 micron                                   | <b>4438-01</b><br><b>4438-03</b>                   |
| F74     | 5 micron<br>40 micron                                   | <b>4338-04</b><br><b>4338-05</b>                   |

## Filter Bowl / Bowl Guards



transparent bowl and guard  
4325-51R

| Used On | Description  | Part #                               |
|---------|--|--------------------------------------|
| F07     | polycarbonate bowl with auto drain<br>polycarbonate bowl with manual drain   | <b>3646-51</b><br><b>3646-53</b>     |
| F08     | transparent bowl with manual drain   | <b>3776-50</b>                       |
| F17     | metal bowl with petcock drain  | <b>5390-77</b>                       |
| F72     | transparent bowl with manual drain<br>transparent bowl with semi-automatic drain                                   | <b>4266-50RF</b><br><b>4266-52RF</b> |
| F73     | transparent bowl with manual drain, 1/4 turn<br>transparent bowl with auto drain                                   | <b>4425-50RF</b><br><b>4425-51RF</b> |
| F74     | plastic bowl assembly with guard and 1/4 turn manual drain<br>plastic bowl assembly with guard and automatic drain | <b>4325-51R</b><br><b>4325-52R</b>   |

## Filter Drains

| Used On        | Description           | Part #          |
|----------------|-----------------------|-----------------|
| F17,F74        | auto drain            | <b>3000-10</b>  |
|                | manual drain          | <b>619-50</b>   |
|                | manual drain assembly | <b>2796-52</b>  |
| F72,F73        | auto drain            | <b>4000-51R</b> |
| F72,F73<br>F74 | manual drain          | <b>619-50</b>   |

Pneumatic  
Accessories

## Filter Lens Kits

| Used On | Description                        | Part #          |
|---------|------------------------------------|-----------------|
| F72     | liquid level lens kit              | <b>4380-020</b> |
| F73     | liquid level lens kit              | <b>4380-030</b> |
| F74     | high pressure dome sight glass kit | <b>4380-051</b> |



## Filter Indicator Conversion Kit

## Features:

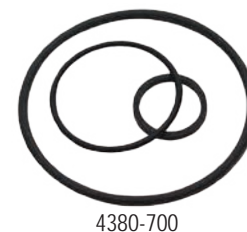
- allows addition of service life indicator in the field
- for general purpose and oil removal filters

| Used On     | Description            | Part #         |
|-------------|------------------------|----------------|
| F72,F73,F74 | service life indicator | <b>5797-50</b> |



## Filter Service Kit

| Used On | Description                 | Part #          |
|---------|-----------------------------|-----------------|
| F17     | O-rings, seals, and gaskets | <b>5578-05</b>  |
| F18     |                             | <b>5945-50</b>  |
| F73     |                             | <b>4380-600</b> |
| F74     |                             | <b>4380-700</b> |



## Filter Oil / Vapor Removal Filters

| Used On | Description          | Part #         |
|---------|----------------------|----------------|
| F74C    | oil removal filter   | <b>4344-01</b> |
| F74H    | oil removal filter   | <b>4344-02</b> |
| F74V    | vapor removal filter | <b>4341-01</b> |



## Regulator Springs



4432-02

| Used On | Pressure Ratings      | Part #                           |
|---------|-----------------------|----------------------------------|
| R74     | 5-60 PSI<br>5-150 PSI | <b>4332-01</b><br><b>4332-02</b> |

## Tamper Resistant Covers

**Features:**

- helps prevent unauthorized pressure adjustment setting
- cover can be locked in place with up to four padlocks
- installs on adjusting knob



| Used On | Description                           | Part #         |
|---------|---------------------------------------|----------------|
| R72     | tamper resistant cover with seal wire | <b>4255-51</b> |
| R73     | tamper resistant cover with seal wire | <b>4455-51</b> |
| R74     | tamper resistant cover with seal wire | <b>4355-51</b> |

## Regulator Panel Nuts



panel nut

| Used On | Description       | Part #         |
|---------|-------------------|----------------|
| R07     | plastic panel nut | <b>2962-89</b> |
| R08     | plastic panel nut | <b>5191-89</b> |
| R17     | metal panel nut   | <b>5226-97</b> |
| R72     | plastic panel nut | <b>4248-89</b> |
| R73     | zinc panel nut    | <b>5191-88</b> |
| R74     | zinc panel nut    | <b>4348-89</b> |

## Regulator Diaphragm Relieving Kits



3407-02



4381-700

| Used On | Description          | Part #          |
|---------|----------------------|-----------------|
| R07     | diaphragm, relieving | <b>3407-02</b>  |
| R08     |                      | <b>5298-14</b>  |
| R11     |                      | <b>529-03</b>   |
| R17     |                      | <b>5578-02</b>  |
| R72     |                      | <b>4381-500</b> |
| R73     |                      | <b>4381-600</b> |
| R74     |                      | <b>4381-700</b> |

## Lubricator Bowl / Bowl Guards

| Used On | Description  | Part #           |
|---------|--|------------------|
| L07     | polycarbonate bowl with manual drain                           | <b>3646-54</b>   |
| L73     | transparent bowl with manual drain                             | <b>4425-50RL</b> |
| L74     | metal bowl with liquid level indicator and ¼ turn manual drain | <b>4303-77R</b>  |
|         | transparent bowl with manual drain                             | <b>4325-50R</b>  |



3646-54

Pneumatic  
Accessories

## Seal Wire

## Features:

- provides tamper resistant protection of the lubricator drip rate setting

| Used On  | Description | Part #         |
|----------|-------------|----------------|
| L73, L74 | metal wire  | <b>2117-01</b> |



seal wire

## Domes, Caps and Plugs

| Used On            | Description                            | Part #            |
|--------------------|--|-------------------|
| L08                | quick fill cap                         | <b>18-011-024</b> |
| L17, L74           | quick fill cap                         | <b>18-011-021</b> |
| L73, L74           | aluminum fill plug                     | <b>5301-55</b>    |
| L17, L72, L73, L74 | sight feed dome (micro-fogging design) | <b>4055-50</b>    |
| L72, L74           | sight feed dome (oil-fogging design)   | <b>4055-51</b>    |
| L74                | high pressure sight feed dome          | <b>5605-50</b>    |
|                    | liquid level indicator repair kit      | <b>4380-050</b>   |



18-011-021



5605-50

G

## Lubricator Seal Kits

| Used On | Description                 | Part #          |
|---------|-----------------------------|-----------------|
| L17     | O-rings, seals, and gaskets | <b>5771-02</b>  |
| L73     |                             | <b>4382-600</b> |
| L74     |                             | <b>4382-700</b> |



5771-02



## Quick Clamps and Brackets

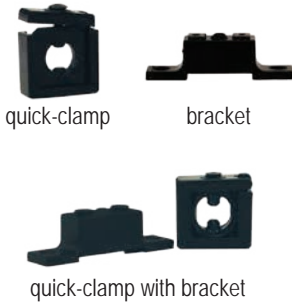
### Features:

#### Quick-clamp

- provides modular installation capability
- flanges designated to slide into V grooves in clamp
- face-sealing O-rings provide a positive seal when clamp is closed and screw tightened

#### Bracket for quick-clamp

- provides secure mounting to a wall, machine panel or other flat surface



| Used On Filter/<br>Regulator/<br>Lubricator<br>Series | Description                                      | Part #          |
|---|--|-----------------|
| L72   | quick-clamp                                      | <b>4214-51</b>  |
| F72   | quick-clamp service kit (2 O-rings)              | <b>4384-570</b> |
| R72   | quick-clamp and bracket assembly                 | <b>4214-52</b>  |
| F73, F74, R73,<br>R74, L72, L73                       | quick-clamp                                      | <b>4314-51</b>  |
|   | quick-clamp service kit (2 O-rings)              | <b>4384-770</b> |
|   | wall bracket for quick-clamp (uses 7/32" screws) | <b>4313-50</b>  |
|   | quick-clamp and bracket assembly                 | <b>4314-52</b>  |

## Blocks

### Features:

- installed with quick-clamps
- provides additional outlets and manifolding capability



| Used On Filter/<br>Regulator/<br>Lubricator<br>Series | Description                            | Part #         |
|---|--|----------------|
| F73, F74, R73,<br>R74, L73, L74                       | porting block, three 1/4" PTF outlets  | <b>4316-50</b> |
|   | manifold block, three 3/4" PTF outlets | <b>4328-50</b> |

## Pipe Adapters

### Features:

- installed with quick-clamps
- provides PTF connections to system piping
- sold individually



| Used On Filter/<br>Regulator/<br>Lubricator<br>Series | Description          | Part #         |
|---|----------------------|----------------|
| L72, F72, R72   | 1/4" PTF connections | <b>4215-02</b> |
|   | 3/8" PTF connections | <b>4215-03</b> |
| F73, F74, R73,<br>R74, L73, L74                       | 1/4" PTF connections | <b>4315-01</b> |
|   | 3/8" PTF connections | <b>4315-02</b> |
|   | 1/2" PTF connections | <b>4315-03</b> |
|   | 3/4" PTF connections | <b>4315-04</b> |

- Used on Filters / Regulators / Lubricator series

## Mounting Brackets

| Used On  | Description                                     | Part #         |
|----------|---|----------------|
| F07      | mounting bracket only                           | <b>5939-06</b> |
| L07      | mounting bracket only                           | <b>5095-17</b> |
| F17, L17 | mounting bracket kit for ¾" and 1" ported units | <b>6212-50</b> |

Pneumatic  
Accessories

## Wall Mounting Brackets

## Features:

- alternate to quick-clamps and pipe adapters
- used to secure to a wall, machine panel or other flat surface
- Use close nipples on page 662 to connect combination unit and then place in bracket.

| Used On Filter/<br>Regulator/<br>Lubricator Series | Description                              | Part #         |
|--|--|----------------|
| L72, F72, R72                                      | wall mounting bracket for all F72 series | <b>4224-50</b> |
| L73, F73, R72                                      | wall mounting bracket for all F73 series | <b>4424-50</b> |
| L74, F74, R74                                      | wall mounting bracket for all F74 series | <b>4324-50</b> |



## Regulator Mounting Brackets

| Used On<br>Filter/<br>Regulator/<br>Lubricator<br>Series | Description                             | Part #  |
|--|---|---|
| B07, R07<br>B08, R08<br>R17                              | mounting bracket with plastic panel nut | <b>18-025-003</b><br><b>5203-06</b><br><b>5570-04</b> |



## Watts Filters



Polycarbonate bowl with guard

## F602 Compact

## Features:

- 40 micron polypropylene element
- 4.4 oz. bowl
- zinc body
- maximum operating:
  - temperature range: **40°F (4°C) to 125°F (52°C)**
  - maximum pressure: **150 PSIG (10.2 bar)**

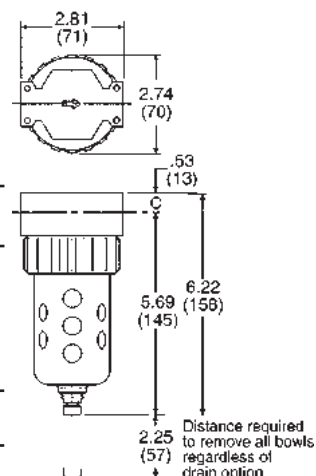
## Polycarbonate Bowl with Metal Bowl Guard

| Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|------|-------------|------------------------|---------------------|
| ¼"   | 53          | <b>F602-02BJR</b>      | <b>F602-02BJ</b>    |
| ⅜"   | 80          | <b>F602-03BJR</b>      | <b>F602-03BJ</b>    |
| ½"   | 85          | <b>F602-04BJR</b>      | <b>F602-04BJ</b>    |

## Zinc Bowl with Sight Glass

| Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|------|-------------|------------------------|---------------------|
| ¼"   | 53          | <b>F602-028A</b>       | <b>F602-024A</b>    |
| ⅜"   | 80          | <b>F602-038A</b>       | <b>F602-034A</b>    |
| ½"   | 85          | <b>F602-048A</b>       | <b>F602-044A</b>    |

SCFM ratings given at 90 PSIG inlet pressure.



## F602 Hi-Flow

## Features:

- 40 micron polypropylene element
- automatic drain operating conditions:
  - temperature range: **40°F (4°C) to 120°F (49°C)**
  - maximum operating: **175 PSIG (12 bar)**
- manual drain operating conditions:
  - temperature range: **40°F (4°C) to 150°F (66°C)**
  - maximum operating: **250 PSIG (17 bar)**

## Zinc Body with Sight Glass and 16" Bowl

| Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|------|-------------|------------------------|---------------------|
| ¾"   | 270         | <b>F602-06WJR</b>      | <b>F602-06WJ</b>    |
| 1"   | 300         | <b>F602-08WJR</b>      | <b>F602-08WJ</b>    |
| 1½"  | 450         | <b>F602-12WJR</b>      | <b>F602-12WJ</b>    |

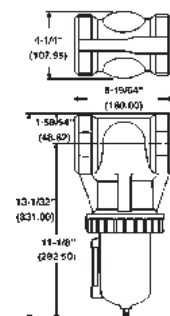
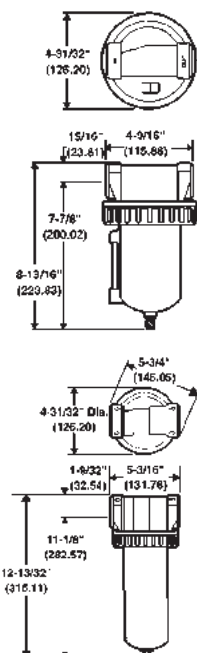
## Aluminum Body with 26" Bowl

| Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|------|-------------|------------------------|---------------------|
| 2"   | 1200        | <b>F602-16WJR</b>      | <b>F602-16WJ</b>    |

See pages 433 to 434 for accessories.

⚠ FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.

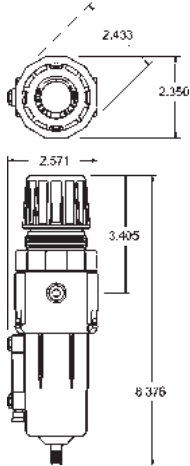


## Watts Filters/Regulators

## B11 Compact

## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- temperature range: **40°F (4°C) to 120°F (49°C)**
- 40 micron filter
- 4 oz. bowl
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- glass-filled acetal plastic spring cage
- tamper resistant, snap lock, removable knobs
- uses a GC230 gauge (not supplied)



| Size | Flow (SCFM) | Automatic Drain   | Manual Drain     |
|------|-------------|-------------------|------------------|
|      |             | Part #            | Part #           |
| 1/4" | 60          | <b>B11-02WJCR</b> | <b>B11-02WJC</b> |
| 3/8" | 70          | <b>B11-03WJCR</b> | <b>B11-03WJC</b> |
| 1/2" | 80          | <b>B11-04WJCR</b> | <b>B11-04WJC</b> |

SCFM ratings given at 100 PSIG inlet pressure.



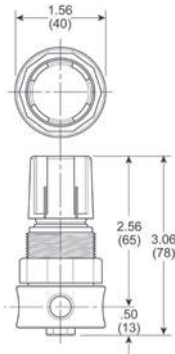
Pneumatic  
Accessories

## Watts Regulators

## R643 Miniature

## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- relieving type
- diaphragm operated
- non-rising adjusting knob
- 1/8" gauge port



| Size | Flow (SCFM) | Body Material | With Gauge       | Without Gauge   |
|------|-------------|---------------|------------------|-----------------|
|      |             |               | Part #           | Part #          |
| 1/4" | 10          | brass         | <b>R364-02CG</b> | <b>R364-02C</b> |
|      |             | aluminum      | <b>R374-02CG</b> | <b>R374-02C</b> |

SCFM ratings given at 100 PSIG inlet pressure.



See pages 433 to 434 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 100 PSIG inlet pressure.

## Watts Regulators



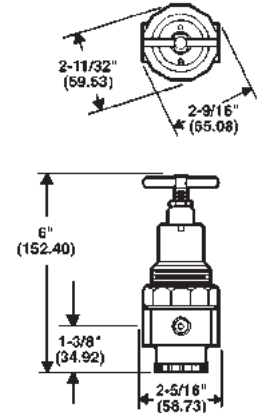
## R11 Compact

## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- t-handle design
- uses a GC230 gauge

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| 1/4" | 80          | <b>R11-02CG</b>      | <b>R11-02C</b>          |
| 3/8" | 80          | <b>R11-03CG</b>      | <b>R11-03C</b>          |
| 1/2" | 100         | <b>R11-04CG</b>      | <b>R11-04C</b>          |

SCFM ratings given at 100 PSIG inlet pressure.



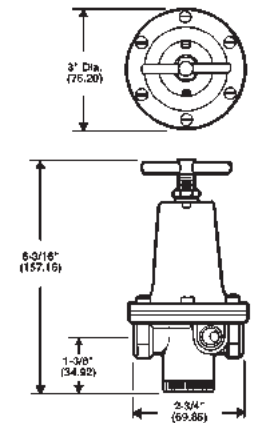
## R119 Standard

## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- t-handle design
- brass bottom plug
- aluminum spring cage
- uses a GC230 gauge

| Size | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|------|-------------|----------------------|-------------------------|
| 1/4" | 100         | <b>R119-02CG</b>     | <b>R119-02C</b>         |
| 3/8" | 110         | <b>R119-03CG</b>     | <b>R119-03C</b>         |
| 1/2" | 150         | <b>R119-04CG</b>     | <b>R119-04C</b>         |

SCFM ratings given at 100 PSIG inlet pressure.



## R119 High-Flow

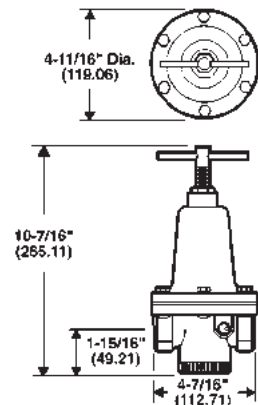
## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- t-handle design
- acetal bottom plug
- aluminum spring cage
- uses a GC230 gauge

| Size   | Flow (SCFM) | With Gauge<br>Part # | Without Gauge<br>Part # |
|--------|-------------|----------------------|-------------------------|
| 3/4"   | 300         | <b>R119-06CG</b>     | <b>R119-06C</b>         |
| 1"     | 400         | <b>R119-08CG</b>     | <b>R119-08C</b>         |
| 1 1/2" | 500         | <b>R119-12CG</b>     | <b>R119-12C</b>         |

SCFM ratings given at 100 PSIG inlet pressure.

See pages 433 to 434 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

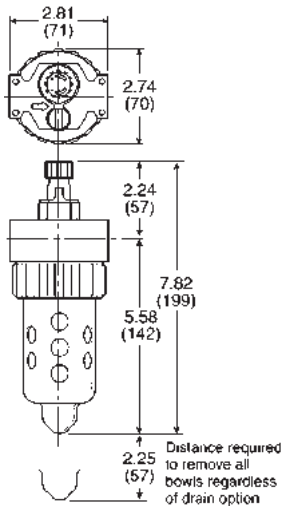
## Watts Lubricators

**General Features:**

- general purpose use
- high performance over a very wide flow range

**L606 Compact****Features:**

- 2.6 oz. bowl
- zinc body
- micromist
- maximum operating conditions:
  - temperature range: **40°F (4°C) to 125°F (52°C)**
  - maximum operating pressure: **150 PSIG (10.2 bar)**



| Size | Flow (SCFM) | Polycarbonate Bowl with Metal Bowl Guard<br>Part # | Zinc Bowl Sight Glass with Twist Drain<br>Part # |
|------|-------------|--|--|
| 1/4" | 40          | <b>L606-02B</b>                                    | <b>L606-024B</b>                                 |
| 3/8" | 60          | <b>L606-03B</b>                                    | <b>L606-034B</b>                                 |
| 1/2" | 90          | <b>L606-04B</b>                                    | <b>L606-044B</b>                                 |

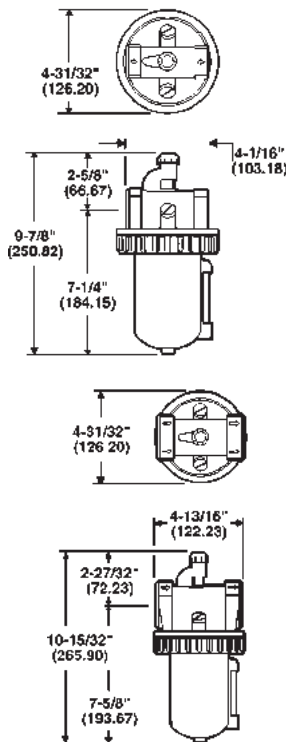
SCFM ratings given at 90 PSIG inlet pressure.



Polycarbonate bowl with guard

**L606 Standard****Features:**

- 16 oz. bowl
- zinc body
- maximum operating conditions:
  - temperature range: **40°F (4°C) to 150°F (66°C)**
  - maximum operating pressure: **250 PSIG (17 bar)**
- 3/4", 1" and 1 1/2" are fillable while under pressure



| Size   | Flow (SCFM) | Zinc Bowl with Sight Glass<br>Part # |
|--------|-------------|--------------------------------------|
| 3/4"   | 325         | <b>L606-06W</b>                      |
| 1"     | 350         | <b>L606-08W</b>                      |
| 1 1/2" | 400         | <b>L606-12W</b>                      |



L606-12W

See pages 433 to 434 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.



## Watts Combination Units

## C11 Compact

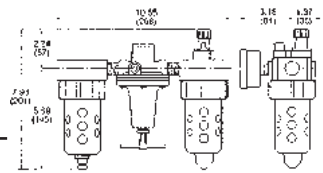
## Features:

- 4.5 oz. bowl
- 40 micron polypropylene element
- zinc body
- maximum operating conditions:
  - temperature range: **40°F to 120°F (4°C to 49°C)**
  - maximum operating pressure: **150 PSIG (10.2 bar)**

## Polycarbonate Bowl with Metal Bowl Guard

| Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|------|-------------|------------------------|---------------------|
| 1/4" | 40          | <b>C11-02A</b>         | <b>C11-02M</b>      |
| 3/8" | 60          | <b>C11-03A</b>         | <b>C11-03M</b>      |
| 1/2" | 85          | <b>C119-04A</b>        | <b>C119-04M</b>     |

SCFM ratings given at 90 PSIG inlet pressure.

Pneumatic  
Accessories

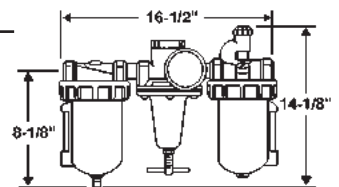
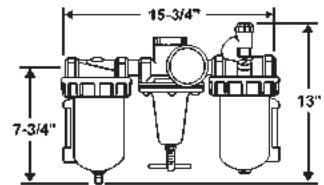
## C119 Standard

## Features:

- 16 oz. bowl
- 40 micron polypropylene element
- zinc body
- maximum operating conditions:
  - temperature range: **40°F to 150°F (4°C to 66°C)**
  - maximum operating pressure: **250 PSIG (17 bar)**

## Zinc Bowl with Sight Glass

| Size   | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|--------|-------------|------------------------|---------------------|
| 3/4"   | 275         | <b>C119-06AMB</b>      | <b>C119-06MMB</b>   |
| 1"     | 320         | <b>C119-08AMB</b>      | <b>C119-08MMB</b>   |
| 1 1/2" | 550         | <b>C119-12AMB</b>      | <b>C119-12MMB</b>   |



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.

## Watts Kits &amp; Accessories

## Filter Elements

| Used On                         | Description | Part #         |
|---------------------------------|-------------|----------------|
| F602-02,<br>F602-03,<br>F602-04 | 40 micron   | <b>PS701</b>   |
| F602-06,<br>F602-08,<br>F602-12 | 5 micron    | <b>EK602VB</b> |
| F602-06,<br>F602-08,<br>F602-12 | 40 micron   | <b>EK602B</b>  |
| F602-16                         | 40 micron   | <b>EK602G</b>  |

Pneumatic  
Accessories

## Bowl with Twist Drain

| Used On                       | Description                         | Part #       |
|-------------------------------|-------------------------------------|--------------|
| F602-02<br>F602-03<br>F602-04 | polycarbonate bowl with twist drain | <b>PS732</b> |



## Filter Drains

| Used On                   | Description      | Part #       |
|---------------------------|------------------|--------------|
| F602, F602-03,<br>F602-04 | auto float drain | <b>PS506</b> |
|                           | twist drain      | <b>PS512</b> |



## Watts Kits &amp; Accessories

Pneumatic  
Accessories

## Regulator Repair Kits

| Used On | Description                         | Part #         |
|---------|-------------------------------------|----------------|
| R11     | relieving diaphragm, valve assembly | <b>RKR10Y</b>  |
| R119-02 |                                     | <b>RK119Y</b>  |
| R119-03 |                                     |                |
| R119-04 |                                     | <b>RK119A</b>  |
| R119-06 |                                     | <b>RK119B</b>  |
| R119-08 |                                     |                |
| R119-12 |                                     | <b>RK119D</b>  |
| R364-02 |                                     | <b>RKR164Y</b> |

## Lubricant Repair Kit



| Used On                       | Description | Part #          |
|-------------------------------|-------------|-----------------|
| L606-06<br>L606-08<br>L606-12 | sight glass | <b>RKB605WB</b> |

## Lubricator Mounting Brackets



| Used On  | Description                   | Part #           |
|--|-------------------------------|------------------|
| L606-02, F602-02,<br>L606-03, F602-03,<br>L606-04, F602-04 | mounting bracket              | <b>PS743</b>     |
| F602 ¾", L606-06,<br>F602-06                               | mounting bracket (2 required) | <b>SA200AW57</b> |
| F602 1", L606-08,<br>F602-08                               | mounting bracket (2 required) | <b>SA200CW57</b> |

## Regulator Mounting Brackets



| Used On                       | Description                     | Part #          |
|-------------------------------|---------------------------------|-----------------|
| R11, B11                      | mounting bracket with panel nut | <b>SAR10Y57</b> |
| R119-02<br>R119-03            | mounting bracket                | <b>SA15Y57</b>  |
| R119-04                       | mounting bracket                | <b>18A57</b>    |
| R119-06<br>R119-08<br>R119-12 | mounting bracket                | <b>18B57</b>    |
| R364-02                       | mounting bracket with panel nut | <b>SA161X57</b> |

## Dixon® Gauges

**Applications:**

- All of the gauges supplied by Dixon® are designed for long, reliable service under rugged conditions. Typical applications include those on pumps, hydraulic and pneumatic systems, compressors, machine tools and many other installations where it is necessary to have a gauge with a non-corrosive movement. The gauges available include standard dry and liquid-filled pressure gauges, compound pressure gauges, vacuum gauges and welding gauges. Materials available include brass, stainless steel and plastic.

**Fig. Inter.** - Figure Interval. (Increments between PSI numbers on gauge face.)

**Grad. Inter.** - Graduation Interval. (Fractional increments between PSI numbers on gauge face.)

## ABS Standard Dry Gauges

**Features:**

- ASME B40.1, Grade B ( $\pm 3-2-3\%$  accuracy)
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration and pulsation.
- ABS plastic case, corrosion resistant
- c-shaped bronze safety bourdon tube (600 PSI and lower)
- helical wound bronze safety bourdon tube (1000 PSI and higher)
- polycarbonate window
- black aluminum pointer
- ambient temperature range:  $-40^{\circ}\text{F}$  to  $150^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $66^{\circ}\text{C}$ )

## Center Back Mounts

| PSI Range | Fig. Inter. | Minor Grad. | 1½" Face<br>⅛" Center Back Mount<br>Part # | 2" Face<br>¼" Center Back Mount<br>Part # |
|-----------|-------------|-------------|--|---|
| 0-15      | 1           | .5          | ---  | <b>GC200</b>                              |
| 0-30      | 5           | .5          | <b>GC605</b>                               | <b>GC215</b>                              |
| 0-60      | 5           | 1           | <b>GC610</b>                               | <b>GC220</b>                              |
| 0-100     | 10          | 2           | <b>GC615</b>                               | <b>GC225</b>                              |
| 0-160     | 20          | 5           | <b>GC620</b>                               | <b>GC230</b>                              |
| 0-200     | 20          | 5           | <b>GC625</b>                               | <b>GC235</b>                              |
| 0-300     | 30          | 5           | ---  | <b>GC240</b>                              |



GC230

## Lower Mounts

| PSI Range | Fig. Inter. | Minor Grad. | 2" face,<br>¼" lower mount<br>Part # | 2½" face<br>¼" lower mount<br>Part # | 3½" face<br>¼" lower mount<br>Part # |
|-----------|-------------|-------------|--------------------------------------|--------------------------------------|--------------------------------------|
| 0-15      | 1           | .5          | <b>GL100</b>                         | <b>GL300</b>                         | <b>GS15-4</b>                        |
| 0-30      | 5           | .5          | <b>GL115</b>                         | <b>GL320</b>                         | <b>GS30-4</b>                        |
| 0-60      | 5           | 1           | <b>GL120</b>                         | <b>GL325</b>                         | <b>GS60-4</b>                        |
| 0-100     | 10          | 2           | <b>GL125</b>                         | <b>GL330</b>                         | <b>GS100-4</b>                       |
| 0-160     | 20          | 5           | <b>GL130</b>                         | <b>GL335</b>                         | <b>GS160-4</b>                       |
| 0-200     | 20          | 5           | <b>GL135</b>                         | <b>GL340</b>                         | <b>GS200-4</b>                       |
| 0-300     | 30          | 5           | <b>GL140</b>                         | <b>GL345</b>                         | <b>GS300-4</b>                       |
| 0-400     | 50          | 10          | ---                                  | <b>GL347</b>                         | <b>GS400-4</b>                       |
| 0-600     | 50          | 10          | ---                                  | <b>GL350</b>                         | <b>GS600-4</b>                       |
| 0-1000    | 200         | 20          | ---                                  | <b>GL355</b>                         | <b>GS1000-4</b>                      |
| 0-1500    | 300         | 50          | ---                                  | <b>GL360</b>                         | ---                                  |
| 0-2000    | 400         | 50          | ---                                  | <b>GL365</b>                         | ---                                  |
| 0-3000    | 500         | 100         | ---                                  | <b>GL370</b>                         | ---                                  |
| 0-5000    | 1000        | 100         | ---                                  | <b>GL375</b>                         | ---                                  |



GL140

## Stainless Steel Dry Gauges

**Applications:**

- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

**Features:**

- $\pm 2-1-2\%$  accuracy
- 304 stainless steel case and crimp ring
- polycarbonate window
- $\frac{1}{4}$ " NPT lower mount stainless connector
- 316 stainless bourdon tube and socket
- ambient temperature range:  $-40^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )



GSS100

| PSI Range | Fig. Inter. | Minor Grad. | $\frac{2}{2}$ " Face<br>$\frac{1}{4}$ " Lower Mount<br>Part # |
|-----------|-------------|-------------|---|
| 0-15      | 3           | .2          | <b>GSS15</b>  |
| 0-30      | 5           | .5          | <b>GSS30</b>  |
| 0-60      | 10          | 1           | <b>GSS60</b>  |
| 0-100     | 20          | 2           | <b>GSS100</b>   |
| 0-160     | 20          | 2           | <b>GSS160</b>   |
| 0-200     | 50          | 5           | <b>GSS200</b>   |
| 0-300     | 50          | 5           | <b>GSS300</b>   |
| 0-400     | 100         | 10          | <b>GSS400</b>   |
| 0-600     | 100         | 10          | <b>GSS600</b>   |
| 0-1000    | 200         | 20          | <b>GSS1000</b>  |
| 0-1500    | 300         | 20          | <b>GSS1500</b>  |
| 0-2000    | 500         | 50          | <b>GSS2000</b>  |
| 0-3000    | 500         | 50          | <b>GSS3000</b>  |
| 0-5000    | 1000        | 100         | <b>GSS5000</b>  |
| 0-10000   | 2000        | 200         | <b>GSS10000</b>   |

**Features:**

- 1.6% accuracy, exceeds ASME B.40.100 Grade B
- 304 series stainless case
- polycarbonate window,  $3\frac{1}{2}$ " across
- $\frac{1}{4}$ " NPT lower mount stainless connector
- 316L stainless bourdon tube and socket, polyester segment
- temperature range:  $-40^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )



GSS160-4

| PSI Range | Fig. Inter. | Minor Grad. | 4" Face<br>$\frac{1}{4}$ " Lower Mount<br>Part # |
|-----------|-------------|-------------|--|
| 0-15      | 3           | .5          | <b>GSS15-4</b>                                   |
| 0-30      | 5           | .5          | <b>GSS30-4</b>                                   |
| 0-60      | 10          | 1           | <b>GSS60-4</b>                                   |
| 0-100     | 20          | 2           | <b>GSS100-4</b>                                  |
| 0-160     | 20          | 2           | <b>GSS160-4</b>                                  |
| 0-200     | 40          | 5           | <b>GSS200-4</b>                                  |
| 0-300     | 50          | 5           | <b>GSS300-4</b>                                  |
| 0-400     | 50          | 10          | <b>GSS400-4</b>                                  |
| 0-600     | 100         | 10          | <b>GSS600-4</b>                                  |
| 0-1000    | 200         | 10          | <b>GSS1000-4</b>                                 |
| 0-1500    | 200         | 20          | <b>GSS1500-4</b>                                 |
| 0-3000    | 500         | 50          | <b>GSS3000-4</b>                                 |
| 0-5000    | 1000        | 100         | <b>GSS5000-4</b>                                 |
| 0-10000   | 2000        | 200         | <b>GSS10000-4</b>                                |

## Brass Standard Dry Gauges

## Features:

- ASME B40.100 Grade B ( $\pm 3/2/3\%$  accuracy)
- polished brass case and ring
- copper alloy bourdon tube
- dual PSI / kPa scale dial
- temperature range **-40°F to 140°F (-40°C to 60°C)**

| PSI Range | Fig. Inter. | Grad. Inter. | 2½" Face<br>¼" Lower Mount<br>Part # |
|-----------|-------------|--------------|--------------------------------------|
| 0-15      | 3           | .2           | <b>GBR15</b>                         |
| 0-30      | 5           | .5           | <b>GBR30</b>                         |
| 0-60      | 10          | 1            | <b>GBR60</b>                         |
| 0-100     | 20          | 2            | <b>GBR100</b>                        |
| 0-160     | 20          | 2            | <b>GBR160</b>                        |
| 0-200     | 50          | 5            | <b>GBR200</b>                        |
| 0-300     | 50          | 5            | <b>GBR300</b>                        |
| 0-400     | 100         | 10           | <b>GBR400</b>                        |
| 0-600     | 100         | 10           | <b>GBR600</b>                        |
| 0-1000    | 200         | 20           | <b>GBR1000</b>                       |
| 0-1500    | 300         | 20           | <b>GBR1500</b>                       |
| 0-2000    | 500         | 50           | <b>GBR2000</b>                       |
| 0-3000    | 500         | 50           | <b>GBR3000</b>                       |
| 0-5000    | 1000        | 100          | <b>GBR5000</b>                       |



Pneumatic  
Accessories

## Process Gauges

## Applications:

- Specifically designed for process, chemical and petroleum industries. Process gauges are engineered to deliver years of accurate service while withstanding vibration, corrosive media and corrosive atmosphere.

## Features:

- temperature range: dry **-40°F to 200°F (-40°C to 93°C)**
- case: black impact resistant thermoplastic, with safety blowout back, solid front, integral back flange (dry)
- ring: ethylene propylene
- wetted parts: 316L stainless steel
- window: polycarbonate
- dial: white aluminum
- pointer: black aluminum
- accuracy:  $\pm 0.5\%$  ANSI/ASME Grade 2A
- scale: single scale PSI only

| PSI Range | Fig. Inter. | Grad. Inter. | 4½" Face<br>½" Lower Mount<br>Part # |
|-----------|-------------|--------------|--------------------------------------|
| 0-30      | 5           | .2           | <b>PGS30</b>                         |
| 0-60      | 10          | .5           | <b>PGS60</b>                         |
| 0-100     | 10          | 1            | <b>PGS100</b>                        |
| 0-160     | 20          | 1            | <b>PGS160</b>                        |
| 0-200     | 20          | 2            | <b>PGS200</b>                        |
| 0-300     | 50          | 2            | <b>PGS300</b>                        |
| 0-600     | 10          | 5            | <b>PGS600</b>                        |
| 0-1000    | 100         | 10           | <b>PGS1000</b>                       |





## FlutterGuard™ Dry Gauges

**Features:**

- FlutterGuard™ virtually eliminates pointer flutter, making the gauge easier to read and reducing excessive movement wear. Liquid-free casing results in lighter weight and eliminates the chance of gauge leakage.
- ASME B40.1, Grade B ( $\pm 3-2-3\%$  accuracy)
- ABS plastic case, corrosion resistant
- C-shaped bronze safety bourdon tube (600 PSI gauges and lower)
- helical wound bronze safety bourdon tube (1000 PSI gauges and higher)
- polycarbonate window
- black aluminum pointer
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration and pulsation.
- ambient temperature range of **-40°F to 150°F (-40°C to 66°C)**



| PSI Range | Fig. Inter. | Minor Grad. | 2½" Face<br>¼" Lower Mount<br>Part # |
|-----------|-------------|-------------|--------------------------------------|
| 0-15      | 1           | .5          | <b>GL300FG</b>                       |
| 0-30      | 5           | .5          | <b>GL320FG</b>                       |
| 0-60      | 5           | 1           | <b>GL325FG</b>                       |
| 0-100     | 10          | 2           | <b>GL330FG</b>                       |
| 0-160     | 20          | 5           | <b>GL335FG</b>                       |
| 0-200     | 20          | 5           | <b>GL340FG</b>                       |
| 0-300     | 30          | 5           | <b>GL345FG</b>                       |
| 0-400     | 50          | 10          | <b>GL347FG</b>                       |
| 0-600     | 50          | 10          | <b>GL350FG</b>                       |
| 0-1000    | 200         | 20          | <b>GL355FG</b>                       |
| 0-1500    | 300         | 50          | <b>GL360FG</b>                       |
| 0-2000    | 400         | 50          | <b>GL365FG</b>                       |
| 0-3000    | 500         | 100         | <b>GL370FG</b>                       |
| 0-5000    | 1000        | 100         | <b>GL375FG</b>                       |

## Stainless Panel Builder Gauges

**Applications:**

- fits industry standard 2.56" panel hole cutout
- suitable for corrosive environments
- used in gaseous and liquid media

**Features:**

- ASME B40.100 Grade A  $\pm 2-1-2\%$  full scale accuracy
- 316L stainless steel wetted parts
- 304 stainless steel case and ring
- white aluminum with black lettering; stop pin
- black aluminum pointer
- glycerin filled case
- laminated safety glass window lens
- ambient temperature range:  $-4^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )
- maximum media temperature  $212^{\circ}\text{F}$  maximum

| PSI Range | Fig. Inter. | Minor Grad. | 2½" Face<br>¼" Lower Back Mount<br>Part # |
|-----------|-------------|-------------|---|
| 0-15      | 3           | .2          | <i>PBLSS15</i>                            |
| 0-30      | 5           | .5          | <i>PBLSS30</i>                            |
| 0-60      | 10          | 1           | <i>PBLSS60</i>                            |
| 0-100     | 20          | 2           | <i>PBLSS100</i>                           |
| 0-160     | 20          | 2           | <i>PBLSS160</i>                           |
| 0-200     | 50          | 5           | <i>PBLSS200</i>                           |
| 0-300     | 50          | 5           | <i>PBLSS300</i>                           |
| 0-400     | 100         | 10          | <i>PBLSS400</i>                           |
| 0-600     | 100         | 10          | <i>PBLSS600</i>                           |
| 0-800     | 200         | 20          | <i>PBLSS800</i>                           |
| 0-1000    | 200         | 20          | <i>PBLSS1000</i>                          |
| 0-1500    | 300         | 20          | <i>PBLSS1500</i>                          |
| 0-2000    | 500         | 50          | <i>PBLSS2000</i>                          |
| 0-3000    | 500         | 50          | <i>PBLSS3000</i>                          |
| 0-5000    | 1000        | 100         | <i>PBLSS5000</i>                          |



## Contractor Pressure Gauges

**Features:**

- accuracy class:  $\pm 1\%$  of span
- wetted parts: copper alloy
- window: acrylic, snap in
- dial: aluminum, white
- pointer: aluminum, black, adjustable
- mounting flanged/bracket; rear flange: stainless steel
- case: stainless steel

| PSI Range | 4½" face,<br>¼" Lower Mount<br>Part # |
|-----------|---------------------------------------|
| 0-15      | <i>4277750-0001</i>                   |
| 0-30      | <i>4277768-0001</i>                   |
| 0-60      | <i>4277776-0003</i>                   |





## Compound Gauges

### Features:

- ASME B40.1, Grade B accuracy ( $\pm 3-2-3$  % accuracy)
- ABS plastic case, corrosion resistant
- bronze bourdon tube / brass socket
- polycarbonate window
- black aluminum pointer
- Powerflex movement with polyester segment, designed for extended wear
- temperature range of **-40°F to 150°F (-40°C to 66°C)**

| Mercury (Hg) | PSI Range | Fig. Inter. (Hg / PSI) | Minor Grad. (Hg / PSI) | 2½" Face<br>¼" Center Back Mount<br>Part # | 2½" Face<br>¼" Lower Mount<br>Part # |
|--------------|-----------|------------------------|------------------------|--|--------------------------------------|
| 30"          | 0-100     | 30 / 10                | 5 / 2                  | ---  | <b>GL310</b>                         |
|              | 0-160     | 30 / 20                | 5 / 5                  | <b>GC210</b>                               | ---                                  |
|              | 0-160     | 30 / 20                | 10 / 10                | ---  | <b>GL110</b>                         |
|              | 0-200     | 30 / 20                | 10 / 10                | ---  | <b>GL315</b>                         |

## Vacuum Gauges



### Features:

- ASME B40.1, Grade B accuracy ( $\pm 3-2-3$  % accuracy)
- ABS plastic case
- bronze bourdon tube
- polycarbonate crystal
- black aluminum pointer
- Powerflex movement with polyester segment, designed for extended wear
- temperature range: **-40°F to 150°F (-40°C to 66°C)**

| Mercury (Hg) | Fig. Inter. (Hg / PSI) | Minor Grad. (Hg / PSI) | 2" Face<br>¼" Lower Mount<br>Part # | 2" Face<br>¼" Center Back Mount<br>Part # | 2½" Face<br>¼" Lower Mount<br>Part # |
|--------------|------------------------|------------------------|-------------------------------------|---|--------------------------------------|
| 30"          | 5"                     | .5"                    | <b>GL105</b>                        | <b>GC205</b>                              | <b>GL305</b>                         |

## ABS Case Liquid Filled Gauges

## Feature:

- ASME B40.100, Grade B ( $\pm 3-2-3\%$  accuracy)

| PSI Range | Fig. Inter. | Minor Grad. | 2½" Face<br>¼" Lower Mount<br>Part # |
|-----------|-------------|-------------|--------------------------------------|
| 0-15      | 3           | .2          | <i>GLP500</i>                        |
| 0-30      | 5           | .5          | <i>GLP505</i>                        |
| 0-60      | 10          | 1           | <i>GLP510</i>                        |
| 0-100     | 20          | 2           | <i>GLP515</i>                        |
| 0-160     | 20          | 2           | <i>GLP517</i>                        |
| 0-200     | 50          | 5           | <i>GLP520</i>                        |
| 0-300     | 50          | 5           | <i>GLP525</i>                        |
| 0-400     | 100         | 10          | <i>GLP527</i>                        |
| 0-600     | 100         | 10          | <i>GLP530</i>                        |
| 0-1000    | 200         | 20          | <i>GLP535</i>                        |
| 0-1500    | 300         | 20          | <i>GLP540</i>                        |
| 0-2000    | 500         | 50          | <i>GLP545</i>                        |
| 0-3000    | 500         | 50          | <i>GLP550</i>                        |
| 0-5000    | 1000        | 100         | <i>GLP555</i>                        |

Pneumatic  
Accessories

## Stainless Case Liquid Filled Gauges

## Features:

- PowerFlex™ movement with polyester segment designed to resist the effects of shock, vibration and pulsation.
- ASME B40.100, Grade A ( $\pm 2-1-2\%$  accuracy)
- copper alloy bourdon tube
- white aluminum dial with black numbers and black aluminum pointer
- ¼" NPT brass connection
- glycerin filled
- polycarbonate window
- temperature range: -4°F to 150°F (-20°C to 65°C)

| PSI Range | Fig. Inter. | Minor Grad. | 2½" Face<br>¼" Center Back Mount<br>Part # | 2½" Face,<br>¼" Lower Mount<br>Part # |
|-----------|-------------|-------------|--|---------------------------------------|
| 0-15      | 3           | .5          | <i>GLSC400</i>                             | <i>GLS400</i>                         |
| 0-30      | 5           | .5          | <i>GLSC405</i>                             | <i>GLS405</i>                         |
| 0-60      | 10          | 1           | <i>GLSC410</i>                             | <i>GLS410</i>                         |
| 0-100     | 20          | 2           | <i>GLSC415</i>                             | <i>GLS415</i>                         |
| 0-160     | 20          | 2           | <i>GLSC417</i>                             | <i>GLS417</i>                         |
| 0-200     | 40          | 5           | <i>GLSC420</i>                             | <i>GLS420</i>                         |
| 0-300     | 50          | 5           | <i>GLSC425</i>                             | <i>GLS425</i>                         |
| 0-400     | 50          | 5           | <i>GLSC427</i>                             | <i>GLS427</i>                         |
| 0-600     | 100         | 10          | <i>GLSC430</i>                             | <i>GLS430</i>                         |
| 0-1000    | 200         | 10          | <i>GLSC435</i>                             | <i>GLS435</i>                         |
| 0-1500    | 300         | 50          | <i>GLSC440</i>                             | <i>GLS440</i>                         |
| 0-2000    | 400         | 20          | <i>GLSC445</i>                             | <i>GLS445</i>                         |
| 0-3000    | 500         | 50          | <i>GLSC450</i>                             | <i>GLS450</i>                         |
| 0-5000    | 1000        | 100         | <i>GLSC455</i>                             | <i>GLS455</i>                         |



GLSC420



GLS430

## Stainless Steel Liquid Filled Gauges

**Applications:**

Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

**Features:**

- $\pm 2\text{-}1\text{-}2\%$  accuracy
- polycarbonate window
- $\frac{1}{4}$ " NPT lower mount stainless connector
- 304 stainless case and crimp ring
- glycerin filled
- ambient temperature range:  $-4^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )



GLSS1500

| PSI Range | Fig. Inter. | Minor Grad. | 2½" Face<br>¼" Lower Mount<br>Part # |
|-----------|-------------|-------------|--------------------------------------|
| 0-15      | 3           | .2          | <b>GLSS15</b>                        |
| 0-30      | 5           | .5          | <b>GLSS30</b>                        |
| 0-60      | 10          | 1           | <b>GLSS60</b>                        |
| 0-100     | 20          | 2           | <b>GLSS100</b>                       |
| 0-160     | 20          | 2           | <b>GLSS160</b>                       |
| 0-200     | 50          | 5           | <b>GLSS200</b>                       |
| 0-300     | 50          | 5           | <b>GLSS300</b>                       |
| 0-400     | 100         | 10          | <b>GLSS400</b>                       |
| 0-600     | 100         | 10          | <b>GLSS600</b>                       |
| 0-1000    | 200         | 20          | <b>GLSS1000</b>                      |
| 0-1500    | 300         | 20          | <b>GLSS1500</b>                      |
| 0-2000    | 500         | 50          | <b>GLSS2000</b>                      |
| 0-3000    | 500         | 50          | <b>GLSS3000</b>                      |
| 0-5000    | 1000        | 100         | <b>GLSS5000</b>                      |
| 0-10000   | 2000        | 200         | <b>GLSS10000</b>                     |

## All Stainless Steel Liquid Filled Gauges

**Applications:**

- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

**Features:**

- $\pm 2\text{-}1\text{-}2\%$  accuracy
- polycarbonate window
- $\frac{1}{4}$ " NPT center back mount stainless connector
- 304 stainless case and crimp ring
- glycerin filled
- ambient temperature range:  $-4^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )



| PSI Range | Fig. Inter. | Minor Grad. | 2½" Face<br>¼" Center Back Mount<br>Part # |
|-----------|-------------|-------------|--|
| 0-100     | 20          | 2           | <b>GLSSC100</b>                            |
| 0-160     | 20          | 2           | <b>GLSSC160</b>                            |
| 0-200     | 50          | 5           | <b>GLSSC200</b>                            |

## Brass Liquid Filled Gauges

## Features:

- $\pm 2$ -1-2% accuracy on 2½";  $\pm 1$ % accuracy on 4"
- acrylic window with membrane assembly
- copper alloy bourdon tube
- brass movement with highly polished bearing surfaces
- glycerin filled
- 2½" face gauges: solid cast brass case with polished ABS cover ring
- 4" face gauges: cast brass, silver painted case with chrome plated brass cover ring
- ambient temperature range: -4°F to 140°F (-20°C to 60°C)

| PSI Range | Fig. Inter. | Minor Grad. | 2½" Face<br>¼" Lower Mount<br>Part # | 2½" Face<br>¼" Center Back Mount<br>Part # | 4" Face<br>½" Lower Mount<br>Part # |
|-----------|-------------|-------------|--------------------------------------|--|-------------------------------------|
| 0-15      | 3           | .2          | <b>GLBR15</b>                        | <b>GLBRC15</b>                             | <b>GLBR15-4</b>                     |
| 0-30      | 5           | .5          | <b>GLBR30</b>                        | <b>GLBRC30</b>                             | <b>GLBR30-4</b>                     |
| 0-60      | 10          | 1           | <b>GLBR60</b>                        | <b>GLBRC60</b>                             | <b>GLBR60-4</b>                     |
| 0-100     | 10          | 1           | <b>GLBR100</b>                       | <b>GLBRC100</b>                            | <b>GLBR100-4</b>                    |
| 0-160     | 20          | 2           | <b>GLBR160</b>                       | <b>GLBRC160</b>                            | <b>GLBR160-4</b>                    |
| 0-200     | 20          | 2           | <b>GLBR200</b>                       | <b>GLBRC200</b>                            | <b>GLBR200-4</b>                    |
| 0-300     | 50          | 5           | <b>GLBR300</b>                       | <b>GLBRC300</b>                            | <b>GLBR300-4</b>                    |
| 0-400     | 50          | 5           | <b>GLBR400</b>                       | <b>GLBRC400</b>                            | <b>GLBR400-4</b>                    |
| 0-600     | 100         | 10          | <b>GLBR600</b>                       | <b>GLBRC600</b>                            | <b>GLBR600-4</b>                    |
| 0-1000    | 100         | 10          | <b>GLBR1000</b>                      | <b>GLBRC1000</b>                           | <b>GLBR1000-4</b>                   |
| 0-1500    | 300         | 20          | <b>GLBR1500</b>                      | <b>GLBRC1500</b>                           | <b>GLBR1500-4</b>                   |
| 0-2000    | 200         | 20          | <b>GLBR2000</b>                      | <b>GLBRC2000</b>                           | <b>GLBR2000-4</b>                   |
| 0-3000    | 500         | 50          | <b>GLBR3000</b>                      | <b>GLBRC3000</b>                           | <b>GLBR3000-4</b>                   |
| 0-5000    | 500         | 50          | <b>GLBR5000</b>                      | <b>GLBRC5000</b>                           | <b>GLBR5000-4</b>                   |
| 0-10000   | 1000        | 100         | ---                                  | ---  | <b>GLBR10000-4</b>                  |



## Welding Gauges

## Features:

- $\pm 3$ -2-3% accuracy according to ASME B40.100 Grade B
- polished drawn stainless steel case
- twist-lock polycarbonate window
- copper alloy bourdon tube
- "USE NO OIL" written in red on face
- ambient temperature range: -40°F to 140°F (-20°C to 60°C)

| PSI Range | Fig. Inter. | Minor Grad. | 2½" Face<br>¼" Lower Mount<br>Part # |
|-----------|-------------|-------------|--------------------------------------|
| 0-30      | 5           | .5          | <b>GBRW30</b>                        |
| 0-30      | 5           | .5          | <b>GBRW30R<sup>1</sup></b>           |
| 0-60      | 10          | 1           | <b>GBRW60</b>                        |
| 0-100     | 20          | 2           | <b>GBRW100</b>                       |
| 0-200     | 50          | 5           | <b>GBRW200</b>                       |
| 0-400     | 100         | 10          | <b>GBRW400</b>                       |
| 0-600     | 100         | 10          | <b>GBRW600</b>                       |
| 0-4000    | 500         | 100         | <b>GBRW4000</b>                      |



<sup>1</sup> red band between 15 to 30 PSI on GBRW30R



## General Purpose Digital Gauges

**Applications:**

- General purpose digital gauges are suitable for dry air applications and other media. Gauge offers selectable units of measure so rather than purchasing one gauge for each unit of measure required, one gauge can be used for multiple units of measure.
- ideal for test applications and for use in technicians tool kits

**Features:**

- 0.5% terminal point accuracy
- five-digit LCD display with large size .48" characters
- bar graph display (20 segment)
- 9 engineering units (accessed through keypad): PSI, in. HG, cm Hg, mm Hg, KPA, Mpa, BAR, KG/cm2, ft H2O
- IP67 weatherproof enclosure, polycarbonate / ABS
- two AA alkaline batteries included
- 2000 hour minimum battery life
- wetted parts: 17-4 PH stainless steel sensor with 316L stainless steel socket
- operating temperature: **-4°F to 140°F (-20°C to 60°C)**
- polycarbonate window
- other pressure and compound ranges available



| PSI Range | 2½" Face<br>¼" Lower Mount<br>Part # |
|-----------|--------------------------------------|
| 0-100     | <b>DG100</b>                         |
| 0-300     | <b>DG300</b>                         |
| 0-1000    | <b>DG1000</b>                        |
| 0-10,000  | <b>DG10000</b>                       |

## 180° Steam Gauge Siphons

**Application:**

- In steam service, the siphon will prevent hot steam from entering a pressure gauge, diaphragm seal or transmitter. Recommended for applications involving temperatures above **100°F (37°C)**. Also use siphons whenever condensing hot vapors (not just steam) are present.

**Features:**

- red brass pipe
- complies with ASTM B-43
- pressure rating: **200 PSI at 406°F (208°C)**



| Male IPS | Red Brass<br>Part # |
|----------|---------------------|
| ¼"       | <b>401-01</b>       |

**Features:**

- steel pipe
- ¼" NPT schedule 40 steel, welded
- pressure rating: **175 PSI at 340°F (171°C)**



| Male IPS | Steel<br>Part # |
|----------|-----------------|
| ¼"       | <b>401-01S</b>  |

## Bi-Metal Thermometers

## Features:

- case: sturdy, corrosion resistant series 304 stainless steel
- bezel crystal: optically clear, strong glass, gasketed to maintain weather-tight integrity is standard
- stem: 304 series stainless steel, welded at tip and case connector to prevent leakage, 1/4" (6.35 mm) diameter
- hermetically sealed per ASME B40.3 external reset
- slotted-hex adjustment head offers screwdriver or wrench use to field calibrate the thermometer
- bi-metal element: an extremely responsive temperature sensing helix which has been carefully sized and tested, heat treated and aged to relieve inherent stresses and insure continued accuracy
- dampening: bi-metal helix is coated with a viscous silicone to minimize pointer oscillation and to improve temperature transmission
- immersion: for accurate temperature readings, immerse stem a minimum of 2" (50 mm) in agitated liquids or 4" (100 mm) in moving air or gas
- over range: temporary over or under range of 50% of scale up to **260°C or 500°F** will not affect the instrument accuracy
- accuracy: guaranteed to be accurate to within 1% of full scale (Grade A per ASME B40.3) (The American Society of Mechanical Engineers issued a new standard for Bi-Metal Thermometers in 1990 referred to as ASME B40.3.)
- standard connection is 1/2" male NPT

## Model 30 Back Connected

| Stem Length | Temperature Range | 3" Face<br>Part # |
|-------------|-------------------|-------------------|
| 2 1/2"      | 0-250°F/-20-120°C | 30025064          |
| 2 1/2"      | 50-500°F/10-260°C | 30025104          |
| 4"          | 0-250°F/-20-120°C | 30040064          |
| 4"          | 50-500°F/10-260°C | 30040104          |
| 6"          | 0-250°F/-20-120°C | 30060064          |
| 6"          | 50-500°F/10-260°C | 30060104          |
| 9"          | 0-250°F/-20-120°C | 30090064          |
| 9"          | 50-500°F/10-260°C | 30090104          |



## Model 31 Bottom Connected 90° Angle

| Stem Length | Temperature Range | 3" Face<br>Part # |
|-------------|-------------------|-------------------|
| 2 1/2"      | 0-250°F/-20-120°C | 31025064          |
| 4"          | 50-500°F/10-260°C | 31040104          |



## Model 50 Back Connected

| Stem Length | Temperature Range | 5" Face<br>Part # |
|-------------|-------------------|-------------------|
| 2 1/2"      | 50-500°F/10-260°C | 50025104          |
| 4"          | 0-250°F/-20-120°C | 50040064          |



## Model 52 Adjustable Angle

| Stem Length | Temperature Range | 5" Face<br>Part # |
|-------------|-------------------|-------------------|
| 2 1/2"      | 0-250°F/-20-120°C | 52025064          |
| 4"          | 0-250°F/-20-120°C | 52040064          |
| 4"          | 50-500°F/10-260°C | 52040104          |





## Bi-Metal Pocket Thermometers

### Features:

- case: 304 stainless steel hermetically sealed
- crystal: extra heavy polycarbonate
- stem: 304 series stainless steel
- external reset with hex nut on back of case
- bi-metal element: responsive actuation by bi-metal helix
- dampening: bi-metal helix is coated with a viscous silicone to minimize pointer oscillation
- scale length: approximately 2-1/8" (54mm)
- accuracy: 1%
- polyethylene carrying case with clip

| Temperature Range             | Part #       |
|-------------------------------|--------------|
| 0°F to 220°F (-18°C to 104°C) | <b>PT220</b> |
| 50°F to 550°F (10°C to 288°C) | <b>PT550</b> |

## Magnetic Surface Mount Thermometers



### Features:

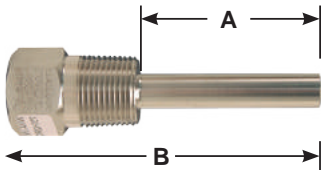
- case: steel, 2" x 1/2"
- dial: polished aluminum
- bi-metal element: responsive actuation by bi-metal helix
- accuracy:  $\pm 2\%$

| Temperature Range             | 2" Face<br>Part # |
|-------------------------------|-------------------|
| 0°F to 250°F (-18°C to 121°C) | <b>MT250</b>      |
| 0°F to 500°F (-18°C to 260°F) | <b>MT500</b>      |

## Threaded Thermowells

### Features:

- 3/4" male NPT process connection



| 'A' dimension | 'B' dimension | 316 Stainless Steel<br>Part # |
|---------------|---------------|-------------------------------|
| 1 5/8"        | 2 1/2"        | <b>75TH2R015SS</b>            |
| 2 1/2"        | 4"            | <b>75TH2R025SS</b>            |
| 4 1/2"        | 6"            | <b>75TH2R045SS</b>            |
| 7 1/2"        | 9"            | <b>75TH2R075SS</b>            |

## Ball Swivels

## Features:

- brass and hardened steel construction
- O-ring seals
- wobble action for increased flexibility with air driven tools

| Hose Size | Male NPT | Part #       | Optional Qty |
|-----------|----------|--------------|--------------|
| 1/4"      | 1/4"     | <b>D444S</b> | 25           |
| 3/8"      | 1/4"     | <b>D446S</b> | 25           |

Pneumatic  
Accessories

## Push-On Ball Swivels

## Feature:

- special barb design for secure grip in push-on type air hoses

| Hose Size | Male NPT | Part #        | Optional Qty |
|-----------|----------|---------------|--------------|
| 3/8"      | 1/4"     | <b>D446SL</b> | 25           |



## In-Line Swivels

## Features:

- for air service only
- rated to **250 PSI** at ambient temperature **70°F (21°C)**, minimum **35 PSI**
- heavy-duty, free turning steel swivel



| Male NPT | Female NPT | Steel<br>Part # |
|----------|------------|-----------------|
| 3/8"     | 1/2"       | <b>SV17</b>     |
| 1/2"     | 1/2"       | <b>SV20</b>     |
| 3/4"     | 3/4"       | <b>SV26</b>     |



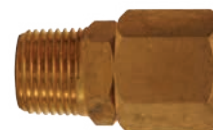
G

## Features:

- for air service only
- rated to **150 PSI** at ambient temperature **70°F (21°C)**



| Male NPT | Female NPT | Brass<br>Part # |
|----------|------------|-----------------|
| 1/4"     | 1/4"       | <b>D344R</b>    |
| 3/8"     | 3/8"       | <b>D366R</b>    |



## Air Tool Swivels

## Features:

- swivels at two locations so air hose can drop directly to the floor
- rated to **150 PSI** at ambient temperature **70°F (21°C)**
- do not use with percussion tools



| Size | Aluminum<br>Part #       |
|------|--------------------------|
| 1/4" | <b>D344U<sup>1</sup></b> |
| 3/8" | <b>D346U</b>             |
| 1/2" | <b>D348U</b>             |



<sup>1</sup> D344U is a non-marring composite.

## Conical Mufflers

### Application:

- threads into the exhaust ports of air tool, valves, cylinders and other pneumatic equipment

### Features:

- reduces noise levels below 90 dBA to conform with OSHA standards
- 40 micron bronze filter element
- element is bonded directly to the fitting and *is not replaceable*
- maximum operating pressure: **300 PSI**
- temperature range: **35°F to 300°F (2°C to 149°C)**



| NPT Thread | Overall Length | Nickel Plated Steel<br>Part # |
|------------|----------------|-------------------------------|
| 1/8"       | 1 1/8"         | <b>CMF18</b>                  |
| 1/4"       | 1 3/8"         | <b>CMF28</b>                  |
| 3/8"       | 1 1/2"         | <b>CMF38</b>                  |
| 1/2"       | 1 7/8"         | <b>CMF48</b>                  |
| 3/4"       | 2 1/4"         | <b>CMF68</b>                  |
| 1"         | 2 7/8"         | <b>CMF88</b>                  |

## Speed Control Mufflers

### Features:

- maximum operating pressure: **300 PSI**
- temperature range: **35°F to 300°F (2°C to 149°C)**
- safe and infinite variations of metering air flow at acceptable sound levels on exhaust ports of air valves
- speed of operating cylinder or air tool may be increased or decreased with adjusting screw, the final position is locked in place by the lock nut
- exhaust air noise is eliminated by a surrounding sleeve of sintered bronze



aluminum



brass

| NPT Thread | Approximate<br>Full Oper.<br>Height | Maximum<br>Adjusted<br>SCFM | Brass<br>Part # |
|------------|-------------------------------------|-----------------------------|-----------------|
| 1/8"       | 1-5/16"                             | 20                          | <b>SCM18</b>    |
| 1/4"       | 1-9/16"                             | 30                          | <b>SCM28</b>    |
| 3/8"       | 1 5/8"                              | 40                          | <b>SCM38</b>    |
| 1/2"       | 2"                                  | 60                          | <b>SCM48</b>    |
| 3/4"       | 2 3/8"                              | 70                          | <b>SCM68</b>    |
| 1"         | 2 1/2"                              | 100                         | <b>SCM88</b>    |

## Breather Vents

### Applications:

- used on single acting cylinders or valves to prevent dirt and foreign particles from entering ports open to the atmosphere
- provides vacuum relief or pressure equalization on gear boxes, oil tanks or reservoirs

### Features:

- standard pipe thread connections for quick assembly and removal for cleaning
- nickel plated steel insert with a bronze filter
- 40 micron filter element
- maximum operating pressure: **150 PSI**
- temperature range: **35°F to 300°F (2°C to 148°C)**



| NPT Thread | Overall Length | Nickel Plated Steel<br>Part # |
|------------|----------------|-------------------------------|
| 1/8"       | 7/16"          | <b>ASP-1BV</b>                |
| 1/4"       | 5/8"           | <b>ASP-2BV</b>                |
| 3/8"       | 3/4"           | <b>ASP-3BV</b>                |
| 1/2"       | 7/8"           | <b>ASP-4BV</b>                |
| 3/4"       | 1"             | <b>ASP-6BV</b>                |
| 1"         | 1-5/16"        | <b>ASP-8BV</b>                |

**Quick Disconnects..... 450 to 505**

|                      |            |
|----------------------|------------|
| H-series .....       | 450 to 456 |
| H-BOP series.....    | 457        |
| HS-series.....       | 458        |
| K-series .....       | 459 to 460 |
| AG-series.....       | 461 to 462 |
| V-series.....        | 463 to 471 |
| TR-series .....      | 472 to 475 |
| HT-series .....      | 476        |
| HTE-series.....      | 477        |
| HTZ-series.....      | 478        |
| ST-series .....      | 479 to 481 |
| PD-series.....       | 482        |
| VEP-series.....      | 483 to 485 |
| VEP-BOP series ..... | 486        |
| W-series .....       | 487 to 489 |
| WS-series .....      | 490 to 492 |
| WS-BOP series .....  | 493        |
| T-series.....        | 494 to 495 |
| CVV-series.....      | 496 to 497 |
| E-series .....       | 498 to 500 |
| EA-series.....       | 501        |
| CM-series .....      | 502 to 505 |

**Adapters..... 506 to 526**

|                        |            |
|------------------------|------------|
| Flat Face.....         | 506 to 507 |
| Unions.....            | 506        |
| Connectors.....        | 506        |
| 90° elbows .....       | 506-507    |
| Tees .....             | 507        |
| Caps.....              | 507        |
| Plugs.....             | 507        |
| ORB.....               | 508 to 510 |
| Reducers.....          | 508        |
| Unions.....            | 508        |
| O-ring Boss .....      | 508 to 509 |
| Elbows .....           | 509 to 510 |
| Tees .....             | 510        |
| Plugs.....             | 510        |
| 37° JIC.....           | 511 to 517 |
| Flare.....             | 511        |
| Swivels.....           | 512        |
| 90° elbows .....       | 512        |
| 90° flare elbows ..... | 512        |
| 45° elbows .....       | 513 to 514 |
| Flare unions .....     | 514        |
| Flare tees .....       | 514        |
| Caps.....              | 515        |
| Nuts.....              | 515 to 516 |
| Plugs.....             | 515        |

**Adapters (cont.)..... 506 to 526**

|   |            |
|---|------------|
| JIC (cont.).....                            | 511 to 517 |
| Sleeves .....                               | 515        |
| Straight weld end metal hose fittings ..... | 517        |
| 45° elbow weld end metal hose fittings..... | 517        |
| 90° elbow weld end metal hose fittings..... | 517        |
| NPTF .....                                  | 518 to 522 |
| Pipe nipples .....                          | 518        |
| Hex reducer bushings.....                   | 518        |
| Swivels.....                                | 519        |
| Swivel nuts.....                            | 519        |
| Hex pipe couplings.....                     | 519        |
| 90° elbows .....                            | 519 to 520 |
| 90° elbow swivels .....                     | 520        |
| 45° elbows .....                            | 520        |
| Tees .....                                  | 521        |
| Hex caps.....                               | 522        |
| Hex plugs .....                             | 522        |
| Metric parallel thread .....                | 523        |
| BSPP (British Standard Pipe Parallel).....  | 523        |
| Code 61 / 62 flanges .....                  | 524 to 526 |
| 4-bolt NPTF ports.....                      | 524        |
| 4-bolt SAE ports.....                       | 524        |
| 4-bolt flange pipe socket welds.....        | 525        |
| Split flange kits.....                      | 526        |
| Straight SAE .....                          | 526        |
| 90° SAE elbows .....                        | 526        |
| 45° SAE elbows .....                        | 526        |

**Hydraulic Hose Fittings .... 527 to 528**

|   |     |
|---|-----|
| Suction and return line couplings ..... | 527 |
| Double bolt clamps.....                 | 527 |
| Stems .....                             | 528 |
| Clamps for 1 or 2 wire .....            | 528 |
| Inline hydraulic filters .....          | 528 |

**Pipe and Tubing Hangers.....529 to 530**

|                        |     |
|------------------------|-----|
| Standard series .....  | 529 |
| Twin series.....       | 529 |
| Heavy duty series..... | 530 |



## H-Series Hydraulic Couplings

## Features:

- poppet style shut-off valves in both coupler and plug
- meets dimensional requirements of **ISO 7241 Series B**
- interchangeable with Parker-Hannifin 60 series, see Hydraulic Profile Chart on page 454
- Nitrile seals standard providing temperature range of **-40°F to 250°F (-40°C to 121°C)**
- contact Dixon® for pressure ratings and other technical information
- contact Dixon® for additional seal material options

## ISO-B Female Threaded Couplers



steel



brass

| Body Size | Threads          | Steel           |              | Brass           |                |
|-----------|------------------|-----------------|--------------|-----------------|----------------|
|           |                  | Previous Part # | Part #       | Previous Part # | Part #         |
| 1/8"      | 1/8" - 27 NPTF   | ---             | <b>1HF1</b>  | ---             | <b>1HF1-B</b>  |
|           | 7/16" - 20 ORB   | ---             | <b>1HOF2</b> | ---             | ---            |
| 1/4"      | 1/4" - 18 NPTF   | 16-263          | <b>2HF2</b>  | B16-263         | <b>2HF2-B</b>  |
|           | 1/4" - 19 BSPP   | ---             | <b>2HBF2</b> | ---             | <b>2HBF2-B</b> |
|           | 9/16" - 18 ORB   | ---             | <b>2HOF3</b> | ---             | ---            |
| 3/8"      | 3/8" - 18 NPTF   | 16-363          | <b>3HF3</b>  | B16-363         | <b>3HF3-B</b>  |
|           | 3/8" - 19 BSPP   | ---             | <b>3HBF3</b> | ---             | <b>3HBF3-B</b> |
|           | 3/4" - 16 ORB    | ---             | <b>3HOF4</b> | ---             | ---            |
| 1/2"      | 1/2" - 14 NPTF   | 16-463          | <b>4HF4</b>  | B16-463         | <b>4HF4-B</b>  |
|           | 1/2" - 14 BSPP   | ---             | <b>4HBF4</b> | ---             | <b>4HBF4-B</b> |
|           | 7/8" - 14 ORB    | ---             | <b>4HOF5</b> | ---             | ---            |
| 3/4"      | 3/4" - 14 NPTF   | 16-663          | <b>6HF6</b>  | B16-663         | <b>6HF6-B</b>  |
|           | 3/4" - 14 BSPP   | ---             | <b>6HBF6</b> | ---             | <b>6HBF6-B</b> |
|           | 1-1/16" - 12 ORB | ---             | <b>6HOF6</b> | ---             | ---            |
| 1"        | 1" - 11 1/2 NPTF | 16-863          | <b>8HF8</b>  | B16-863         | <b>8HF8-B</b>  |
|           | 1" - 11 BSPP     | ---             | <b>8HBF8</b> | ---             | <b>8HBF8-B</b> |
|           | 1-5/16" - 12 ORB | ---             | <b>8HOF8</b> | ---             | ---            |



303 stainless

| Body Size | Threads          | Previous Part # | 303 Stainless Steel | 316 Stainless Steel |
|-----------|------------------|-----------------|---------------------|---------------------|
|           |                  |                 | Part #              | Part #              |
| 1/8"      | 1/8" - 27 NPTF   | ---             | <b>1HF1-S</b>       | <b>1HF1-SS</b>      |
|           |                  |                 |                     |                     |
| 1/4"      | 1/4" - 18 NPTF   | SS16-263        | <b>2HF2-S</b>       | <b>2HF2-SS</b>      |
|           | 1/4" - 19 BSPP   | ---             | <b>2HBF2-S</b>      | <b>2HBF2-SS</b>     |
| 3/8"      | 3/8" - 18 NPTF   | SS16-363        | <b>3HF3-S</b>       | <b>3HF3-SS</b>      |
|           | 3/8" - 19 BSPP   | ---             | <b>3HBF3-S</b>      | <b>3HBF3-SS</b>     |
| 1/2"      | 1/2" - 14 NPTF   | SS16-463        | <b>4HF4-S</b>       | <b>4HF4-SS</b>      |
|           | 1/2" - 14 BSPP   | ---             | <b>4HBF4-S</b>      | <b>4HBF4-SS</b>     |
| 3/4"      | 3/4" - 14 NPTF   | SS16-663        | <b>6HF6-S</b>       | <b>6HF6-SS</b>      |
|           | 3/4" - 14 BSPP   | ---             | <b>6HBF6-S</b>      | <b>6HBF6-SS</b>     |
| 1"        | 1" - 11 1/2 NPTF | SS16-863        | <b>8HF8-S</b>       | <b>8HF8-SS</b>      |
|           | 1" - 11 BSPP     | ---             | <b>8HBF8-S</b>      | <b>8HBF8-SS</b>     |

## H-Series Hydraulic Couplings

## ISO-B Female Threaded Plugs

| Body Size | Threads          | Steel           |              | Brass           |                |
|-----------|------------------|-----------------|--------------|-----------------|----------------|
|           |                  | Previous Part # | Part #       | Previous Part # | Part #         |
| 1/8"      | 1/8" - 27 NPTF   | ---             | <b>H1F1</b>  | ---             | <b>H1F1-B</b>  |
|           | 7/16" - 20 ORB   | ---             | <b>H1OF2</b> | ---             | ---            |
| 1/4"      | 1/4" - 18 NPTF   | 17-263          | <b>H2F2</b>  | B17-263         | <b>H2F2-B</b>  |
|           | 1/4" - 19 BSPP   | ---             | <b>H2BF2</b> | ---             | <b>H2BF2-B</b> |
|           | 9/16" - 18 ORB   | ---             | <b>H2OF3</b> | ---             | ---            |
| 3/8"      | 3/8" - 18 NPTF   | 17-363          | <b>H3F3</b>  | B17-363         | <b>H3F3-B</b>  |
|           | 3/8" - 19 BSPP   | ---             | <b>H3BF3</b> | ---             | <b>H3BF3-B</b> |
|           | 3/4" - 16 ORB    | ---             | <b>H3OF4</b> | ---             | ---            |
| 1/2"      | 1/2" - 14 NPTF   | 17-463          | <b>H4F4</b>  | B17-463         | <b>H4F4-B</b>  |
|           | 1/2" - 14 BSPP   | ---             | <b>H4BF4</b> | ---             | <b>H4BF4-B</b> |
|           | 7/8" - 14 ORB    | ---             | <b>H4OF5</b> | ---             | ---            |
| 3/4"      | 3/4" - 14 NPTF   | 17-663          | <b>H6F6</b>  | B17-663         | <b>H6F6-B</b>  |
|           | 3/4" - 14 BSPP   | ---             | <b>H6BF6</b> | ---             | <b>H6BF6-B</b> |
|           | 1-1/16" - 12 ORB | ---             | <b>H6OF6</b> | ---             | ---            |
| 1"        | 1" - 11 1/2 NPTF | 17-863          | <b>H8F8</b>  | B17-863         | <b>H8F8-B</b>  |
|           | 1" - 11 BSPP     | ---             | <b>H8BF8</b> | ---             | <b>H8BF8-B</b> |
|           | 1-5/16" - 12 ORB | ---             | <b>H8OF8</b> | ---             | ---            |



steel



brass

| Body Size | Threads          | Previous Part # | 303 Stainless Steel | 316 Stainless Steel |
|-----------|------------------|-----------------|---------------------|---------------------|
|           |                  |                 | Part #              | Part #              |
| 1/8"      | 1/8" - 27 NPTF   | ---             | <b>H1F1-S</b>       | <b>H1F1-SS</b>      |
| 1/4"      | 1/4" - 18 NPTF   | SS17-263        | <b>H2F2-S</b>       | <b>H2F2-SS</b>      |
|           | 1/4" - 19 BSPP   | ---             | <b>H2BF2-S</b>      | <b>H2BF2-SS</b>     |
| 3/8"      | 3/8" - 18 NPTF   | SS17-363        | <b>H3F3-S</b>       | <b>H3F3-SS</b>      |
|           | 3/8" - 19 BSPP   | ---             | <b>H3BF3-S</b>      | <b>H3BF3-SS</b>     |
| 1/2"      | 1/2" - 14 NPTF   | SS17-463        | <b>H4F4-S</b>       | <b>H4F4-SS</b>      |
|           | 1/2" - 14 BSPP   | ---             | <b>H4BF4-S</b>      | <b>H4BF4-SS</b>     |
| 3/4"      | 3/4" - 14 NPTF   | SS17-663        | <b>H6F6-S</b>       | <b>H6F6-SS</b>      |
|           | 3/4" - 14 BSPP   | ---             | <b>H6BF6-S</b>      | <b>H6BF6-SS</b>     |
| 1"        | 1" - 11 1/2 NPTF | SS17-863        | <b>H8F8-S</b>       | <b>H8F8-SS</b>      |
|           | 1" - 11 BSPP     | ---             | <b>H8BF8-S</b>      | <b>H8BF8-SS</b>     |



303 stainless

## ISO-B Male Threaded Plugs

| Body Size | Threads        | Steel Part # |
|-----------|----------------|--------------|
| 1/4"      | 3/8" - 18 NPTF | <b>H2M3</b>  |



| Body Size | Threads        | 303 Stainless Steel Part # |
|-----------|----------------|----------------------------|
| 1/2"      | 3/4" - 14 NPTF | <b>H4M6-S</b>              |



## H-Series Hydraulic Couplings

## ISO-B High Volume Female Threaded Couplers



steel



brass



316 stainless

| Body Size | Threads   | Steel Part #   | Brass Part #   | 303 Stainless Steel Part #   | 316 Stainless Steel Part #                                 |
|-----------|---|--|--|--|--|
| 1¼"       | 1¼" - 11½ NPTF<br>1¼" - 11 BSPP   | <b>10HF10</b><br><b>10HBF10</b>  | <b>10HF10-B</b><br>---   | <b>10HF10-S</b><br>---   | <b>10HF10-SS</b><br><b>10HBF10-SS</b>                      |
| 1½"       | 1¼" - 11½ NPTF<br>1⅝" - 12 ORB<br>1½" - 11½ NPTF<br>1½" - 11 BSPP<br>1⅞" - 12 ORB | <b>12HF10</b><br><b>12HOF10</b><br><b>12HF12</b><br><b>12HBF12</b><br><b>12HOF12</b> | <b>12HF10-B</b><br>---<br><b>12HF12-B</b><br><b>12HBF12-B</b><br>--- | <b>12HF10-S</b><br>---<br><b>12HF12-S</b><br><b>12HBF12-S</b><br>--- | ---<br>---<br><b>12HF12-SS</b><br><b>12HBF12-SS</b><br>--- |
| 2½"       | 2" - 11½ NPTF<br>2½" - 8 NPTF<br>3" - 8 NPTF                                      | <b>20HF16</b><br><b>20HF20</b><br><b>20HF24</b>                                      | <b>20HF16-B</b><br>---<br>---  | ---<br>---<br>---  | ---<br>---<br>---  |

## ISO-B High Volume Female Threaded Plugs



steel



brass



303 stainless

| Body Size | Threads   | Steel Part #   | Brass Part #   | 303 Stainless Steel Part #   | 316 Stainless Steel Part #                                 |
|-----------|---|--|--|--|--|
| 1¼"       | 1¼" - 11½ NPTF<br>1¼" - 11 BSPP   | <b>H10F10</b><br><b>H10BF10</b>  | <b>H10F10-B</b><br>---   | <b>H10F10-S</b><br>---   | <b>H10F10-SS</b><br><b>H10BF10-SS</b>                      |
| 1½"       | 1¼" - 11½ NPTF<br>1⅝" - 12 ORB<br>1½" - 11½ NPTF<br>1½" - 11 BSPP<br>1⅞" - 12 ORB | <b>H12F10</b><br><b>H12OF10</b><br><b>H12F12</b><br><b>H12BF12</b><br><b>H12OF12</b> | <b>H12F10-B</b><br>---<br><b>H12F12-B</b><br><b>H12BF12-B</b><br>--- | <b>H12F10-S</b><br>---<br><b>H12F12-S</b><br><b>H12BF12-S</b><br>--- | ---<br>---<br><b>H12F12-SS</b><br><b>H12BF12-SS</b><br>--- |
| 2½"       | 2" - 11½ NPTF<br>2½" - 8 NPTF<br>3" - 8 NPTF                                      | <b>H20F16</b><br><b>H20F20</b><br><b>H20F24</b>                                      | <b>H20F16-B</b><br>---<br>---  | ---<br>---<br>---  | ---<br>---<br>---  |

## H-Series Hydraulic Couplings

## ISO-B Steel Mill 'Slide Gate' Female Threaded Couplers

| Body Size | Female Threads | Steel Part #   |
|-----------|----------------|----------------|
| 1/2"      | 1/2" - 14 NPTF | <b>4HF4-HV</b> |



Hydraulic Fittings

## ISO-B Steel Mill 'Slide Gate' Female Threaded Plugs

| Body Size | Female Threads | Steel Part #   |
|-----------|----------------|----------------|
| 1/2"      | 1/2" - 14 NPTF | <b>H4F4-HV</b> |



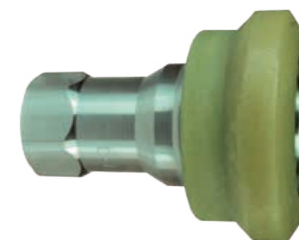
## ISO-B Food Grade Silicone Flanged Female Threaded Couplers

| Body Size | Female Threads | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|-----------|----------------|----------------------------|----------------------------|
| 1/2"      | 1/2" - 14 NPTF | <b>D-4HF4-S-FSB</b>        | <b>D-4HF4-SS-FSB</b>       |



## ISO-B Food Grade Nylon Flanged Female Threaded Couplers

| Body Size | Female Threads | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|-----------|----------------|----------------------------|----------------------------|
| 1/2"      | 1/2" - 14 NPTF | <b>D-4HF4-S-FNS</b>        | <b>D-4HF4-SS-FNS</b>       |



## ISO-B Food Grade Female Threaded Plugs

| Body Size | Female Threads | Steel Part #       | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|-----------|----------------|--------------------|----------------------------|----------------------------|
| 1/2"      | 1/2" - 14 NPTF | <b>D-H4F4-SV-8</b> | <b>D-H4F4-S</b>            | <b>D-H4F4-SS</b>           |



## H-Series Hydraulic Couplings



## ISO-B Dust Caps / Plugs

| Body Size | Previous Part # |        | Nitrile Part #                |
|-----------|-----------------|--------|-------------------------------|
|           | Plugs           | Caps   |                               |
| 1/8"      | VHC002          | ---    | <b>1HDP</b>                   |
| 1/8"      | ---             | ---    | <b>H1DC</b>                   |
| 1/4"      | 16-002          | 17-002 | <b>2HDP-H2DC</b>              |
| 3/8"      | 16-003          | 17-003 | <b>3HDP-H3DC</b>              |
| 1/2"      | 16-004          | 17-004 | <b>4HDP-H4DC</b>              |
| 3/4"      | 16-006          | 17-004 | <b>6HDP-H6DC</b>              |
| 1"        | 16-008          | 17-008 | <b>8HDP-H8DC</b> <sup>1</sup> |

<sup>1</sup> 8HDP-H8DC fits both 1" and 1 1/4" body sizes

## ISO-B Rigid Dust Plugs



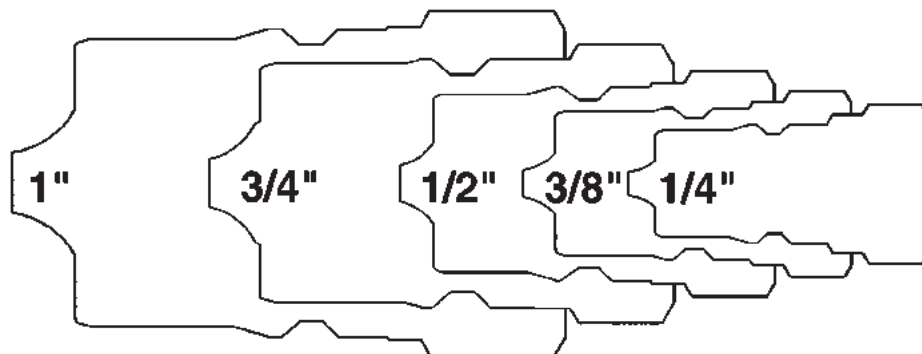
| Body Size | Previous Part # | Aluminum body with steel cable Part # |
|-----------|-----------------|---------------------------------------|
| 1/4"      | 16-002A         | <b>2HDP-A</b>                         |
| 3/8"      | 16-003A         | <b>3HDP-A</b>                         |
| 1/2"      | 16-004A         | <b>4HDP-A</b>                         |
| 3/4"      | 16-006A         | <b>6HDP-A</b>                         |
| 1"        | 16-008A         | <b>8HDP-A</b>                         |
| 1 1/2"    | ---             | <b>12HDP-A</b>                        |
| 2 1/2"    | ---             | <b>20HDP-A</b>                        |

## ISO-B Rigid Dust Caps



| Body Size | Previous Part # | Aluminum body with steel cable Part # |
|-----------|-----------------|---------------------------------------|
| 1/4"      | 17-002A         | <b>H2DC-A</b>                         |
| 3/8"      | 17-003A         | <b>H3DC-A</b>                         |
| 1/2"      | 17-004A         | <b>H4DC-A</b>                         |
| 3/4"      | 17-006A         | <b>H6DC-A</b>                         |
| 1"        | 17-008A         | <b>H8DC-A</b>                         |
| 1 1/2"    | ---             | <b>H12DC-A</b>                        |
| 2 1/2"    | ---             | <b>H20DC-A</b>                        |

## Plug Profiles



## Industry/Competitor Interchange

ISO 7241-B  
 Hansen HK  
 Eaton/Aeroquip FD45  
 Parker 60  
 Faster HNV  
 Stucchi IRB/IRBO/IRBX

## H-Series Hydraulic Couplings

## ISO-B Coupler Seal Kits

| Body Size | Coupler Material                | Description                                     | EPDM<br>Part #    | FKM<br>Part #     | Nitrile<br>Part # |
|-----------|---------------------------------|---|-------------------|-------------------|-------------------|
| 1/8"      | brass, steel,<br>303 SS, 316 SS | two O-rings and<br>one PTFE anti-extrusion ring | <b>P-1H-SKIT</b>  | <b>F-1H-SKIT</b>  | <b>1H-SKIT</b>    |
| 1/4"      | brass, steel,<br>303 SS, 316 SS | two O-rings and<br>one PTFE anti-extrusion ring | <b>P-2H-SKIT</b>  | <b>F-2H-SKIT</b>  | <b>2H-SKIT</b>    |
| 3/8"      | brass, steel,<br>303 SS, 316 SS | two O-rings and<br>one PTFE anti-extrusion ring | <b>P-3H-SKIT</b>  | <b>F-3H-SKIT</b>  | <b>3H-SKIT</b>    |
| 1/2"      | brass, steel,<br>303 SS, 316 SS | two O-rings and<br>one PTFE anti-extrusion ring | <b>P-4H-SKIT</b>  | <b>F-4H-SKIT</b>  | <b>4H-SKIT</b>    |
| 3/4"      | brass, steel,<br>303 SS, 316 SS | two O-rings and<br>one PTFE anti-extrusion ring | <b>P-6H-SKIT</b>  | <b>F-6H-SKIT</b>  | <b>6H-SKIT</b>    |
| 1"        | brass, steel,<br>303 SS, 316 SS | two O-rings and<br>one PTFE anti-extrusion ring | <b>P-8H-SKIT</b>  | <b>F-8H-SKIT</b>  | <b>8H-SKIT</b>    |
| 1 1/4"    | brass, steel,<br>303 SS, 316 SS | adapter / valve O-ring and<br>two body O-rings  | <b>P-10H-SKIT</b> | <b>F-10H-SKIT</b> | <b>10H-SKIT</b>   |
| 1 1/2"    | brass, steel,<br>303 SS, 316 SS | adapter / valve O-ring and<br>two body O-rings  | <b>P-12H-SKIT</b> | <b>F-12H-SKIT</b> | <b>12H-SKIT</b>   |



## H-Series Hydraulic Couplings

## ISO-B Repair Kits

Hydraulic Fittings

| Body Size | Coupler Material | Seal Material | Description                              | Part #            |
|-----------|------------------|---------------|--|-------------------|
| 1/4"      | steel            | nitrile       | steel valve assembly and retaining ring  | <b>2H-RKIT</b>    |
|           | brass            | nitrile       | brass valve assembly and retaining ring  | <b>2H-BRKIT</b>   |
|           | 303 stainless    | nitrile       | 303 SS valve assembly and retaining ring | <b>2H-SRKIT</b>   |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and retaining ring | <b>2H-SSRKIT</b>  |
| 3/8"      | steel            | nitrile       | steel valve assembly and retaining ring  | <b>3H-RKIT</b>    |
|           | brass            | nitrile       | brass valve assembly and retaining ring  | <b>3H-BRKIT</b>   |
|           | 303 stainless    | nitrile       | 303 SS valve assembly and retaining ring | <b>3H-SRKIT</b>   |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and retaining ring | <b>3H-SSRKIT</b>  |
| 1/2"      | steel            | nitrile       | steel valve assembly and retaining ring  | <b>4H-RKIT</b>    |
|           | brass            | nitrile       | brass valve assembly and retaining ring  | <b>4H-BRKIT</b>   |
|           | 303 stainless    | nitrile       | 303 SS valve assembly and retaining ring | <b>4H-SRKIT</b>   |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and retaining ring | <b>4H-SSRKIT</b>  |
| 3/4"      | steel            | nitrile       | steel valve assembly and retaining ring  | <b>6H-RKIT</b>    |
|           | brass            | nitrile       | brass valve assembly and retaining ring  | <b>6H-BRKIT</b>   |
|           | 303 stainless    | nitrile       | 303 SS valve assembly and retaining ring | <b>6H-SRKIT</b>   |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and retaining ring | <b>6H-SSRKIT</b>  |
| 1"        | steel            | nitrile       | steel valve assembly and retaining ring  | <b>8H-RKIT</b>    |
|           | brass            | nitrile       | brass valve assembly and retaining ring  | <b>8H-BRKIT</b>   |
|           | 303 stainless    | nitrile       | 303 SS valve assembly and retaining ring | <b>8H-SRKIT</b>   |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and retaining ring | <b>8H-SSRKIT</b>  |
| 1 1/4"    | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>10H-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>10H-BRKIT</b>  |
|           | 303 stainless    | nitrile       | 303 SS valve assembly and adapter O-ring | <b>10H-SRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>10H-SSRKIT</b> |
| 1 1/2"    | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>12H-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>12H-BRKIT</b>  |
|           | 303 stainless    | nitrile       | 303 SS valve assembly and adapter O-ring | <b>12H-SRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>12H-SSRKIT</b> |

## H-BOP Series Hydraulic Couplings

**Application:**

- designed specifically for blow-out preventer systems on drilling rigs

**Features:**

- fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D; certificate available upon request
- pressure rating **5000 PSI** at **70°F (21°C)**
- steel coupler sleeves are hardened to resist deformation and maximize service life
- individually marked with the BOP series designation
- interchangeable with ISO7241 Series B, Eaton/Hansen HKFR-Series, DNP HNV-BOP Series

**Blowout Preventer Safety Female Couplers**

| Body Size | Female Threads | Steel Part #    | 316 Stainless Steel Part # |
|-----------|----------------|-----------------|----------------------------|
| 3/8"      | 3/8" - 18 NPTF | <b>3HF3-BOP</b> | <b>3HF3-SS-BOP</b>         |
| 1/2"      | 1/2" - 14 NPTF | <b>4HF4-BOP</b> | <b>4HF4-SS-BOP</b>         |
| 3/4"      | 3/4" - 14 NPTF | <b>6HF6-BOP</b> | <b>6HF6-SS-BOP</b>         |
| 1"        | 1" - 11½ NPTF  | <b>8HF8-BOP</b> | <b>8HF8-SS-BOP</b>         |

**Blowout Preventer Safety Female Plugs**

| Body Size | Female Threads | Steel Part #    | 316 Stainless Steel Part # |
|-----------|----------------|-----------------|----------------------------|
| 3/8"      | 3/8" - 18 NPTF | <b>H3F3-BOP</b> | <b>H3F3-SS-BOP</b>         |
| 1/2"      | 1/2" - 14 NPTF | <b>H4F4-BOP</b> | <b>H4F4-SS-BOP</b>         |
| 3/4"      | 3/4" - 14 NPTF | <b>H6F6-BOP</b> | <b>H6F6-SS-BOP</b>         |
| 1"        | 1" - 11½ NPTF  | <b>H8F8-BOP</b> | <b>H8F8-SS-BOP</b>         |



## HS-Series Hydraulic Couplings

**Applications:**

- designed exclusively for steam applications

**Features:**

- coupler has a large plated steel sleeve designed for easier gripping with gloves
- special high-temp EPDM O-rings designed for steam service providing a temperature range of -70°F to 400°F (-57°C to 204°C)
- rated to 200 PSI gauge saturated steam 382°F (194°C)



**Warning: Do Not Disconnect Under Pressure!**

## ISO-B Steam Interchange Female Threaded Couplers



| Body Size | Threads        | Brass           |                    | 303 Stainless Steel Part # |
|-----------|----------------|-----------------|--------------------|----------------------------|
|           |                | Previous Part # | Part #             |                            |
| 1/4"      | 1/4" - 18 NPTF | B16-200S        | <b>2HSF2-B</b>     | <b>2HSF2-S</b>             |
|           | 1/4" - 19 BSPP | ---             | <b>2HSBF2-B</b>    | <b>2HSBF2-S</b>            |
| 3/8"      | 3/8" - 18 NPTF | B16-300S        | <b>3HSF3-B</b>     | <b>3HSF3-S</b>             |
|           | 3/8" - 19 BSPP | ---             | <b>3HSBF3-B</b>    | <b>3HSBF3-S</b>            |
| 1/2"      | 1/2" - 14 NPTF | B16-400S        | <b>4HSF4-B</b>     | <b>4HSF4-S</b>             |
|           | 1/2" - 14 BSPP | ---             | <b>4HSBF4-B</b>    | <b>4HSBF4-S</b>            |
| 3/4"      | 3/4" - 14 NPTF | B16-600S        | <b>6HSF6-B</b>     | <b>6HSF6-S</b>             |
|           | 3/4" - 14 BSPP | ---             | <b>6HSBF6-B</b>    | <b>6HSBF6-S</b>            |
| 1"        | 1" - 11½ NPTF  | B16-800S        | <b>8HSF8-B</b>     | <b>8HSF8-S</b>             |
|           | 1" - 11 BSPP   | ---             | <b>8HSBF8-B</b>    | <b>8HSBF8-S</b>            |
| 1½"       | 1½" - 11½ NPTF | B16-1200S       | <b>PS-12HF12-B</b> | ---                        |

## ISO-B Steam Interchange Female Threaded Plugs



| Body Size | Threads        | Steel Part #  | Brass           |                    | 303 Stainless Steel Part # |
|-----------|----------------|---------------|-----------------|--------------------|----------------------------|
|           |                |               | Previous Part # | Part #             |                            |
| 1/4"      | 1/4" - 18 NPTF | <b>HS2F2</b>  | B17-200S        | <b>HS2F2-B</b>     | <b>HS2F2-S</b>             |
|           | 1/4" - 19 BSPP | <b>HS2BF2</b> | ---             | <b>HS2BF2-B</b>    | <b>HS2BF2-S</b>            |
| 3/8"      | 3/8" - 18 NPTF | <b>HS3F3</b>  | B17-300S        | <b>HS3F3-B</b>     | <b>HS3F3-S</b>             |
|           | 3/8" - 19 BSPP | <b>HS3BF3</b> | ---             | <b>HS3BF3-B</b>    | <b>HS3BF3-S</b>            |
| 1/2"      | 1/2" - 14 NPTF | <b>HS4F4</b>  | B17-400S        | <b>HS4F4-B</b>     | <b>HS4F4-S</b>             |
|           | 1/2" - 14 BSPP | <b>HS4BF4</b> | ---             | <b>HS4BF4-B</b>    | <b>HS4BF4-S</b>            |
| 3/4"      | 3/4" - 14 NPTF | <b>HS6F6</b>  | B17-600S        | <b>HS6F6-B</b>     | <b>HS6F6-S</b>             |
|           | 3/4" - 14 BSPP | <b>HS6BF6</b> | ---             | <b>HS6BF6-B</b>    | <b>HS6BF6-S</b>            |
| 1"        | 1" - 11½ NPTF  | <b>HS8F8</b>  | B17-800S        | <b>HS8F8-B</b>     | <b>HS8F8-S</b>             |
|           | 1" - 11 BSPP   | <b>HS8BF8</b> | ---             | <b>HS8BF8-B</b>    | <b>HS8BF8-S</b>            |
| 1½"       | 1½" - 11½ NPTF | ---           | B17-1200S       | <b>PS-H12F12-B</b> | ---                        |

## K-Series Hydraulic Couplings

## Features:

- poppet style shut-off valves in both coupler and plug
- interchangeable with Aeroquip/Eaton FD56 (5600), Parker 6600, and **ISO-A 7241 interchange**, see Hydraulic Profile Chart on page 460
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for additional seal material options, pressure ratings and other technical information.

## ISO-A Interchange Female Threaded Couplers

| Body Size | Threads             | Previous Part # | Steel Part #   | 316 Stainless Steel Part # |
|-----------|---------------------|-----------------|----------------|----------------------------|
| 1/4"      | 1/8" - 27 NPTF      | 56-100          | <b>2KF1</b>    | ---                        |
|           | 1/4" - 18 NPTF      | 56-200          | <b>2KF2</b>    | <b>2KF2-SS</b>             |
|           | 1/4" - 19 BSPP      | ---             | <b>2KBF2</b>   | <b>2KBF2-SS</b>            |
|           | 7/16" - 20 ORB      | ---             | <b>2KOF2</b>   | ---                        |
| 3/8"      | 3/8" - 18 NPTF      | 56-300          | <b>3KF3</b>    | <b>3KF3-SS</b>             |
|           | 3/8" - 19 BSPP      | ---             | <b>3KBF3</b>   | <b>3KBF3-SS</b>            |
|           | 9/16" - 18 ORB      | ---             | <b>3KOF3</b>   | ---                        |
| 1/2"      | 1/2" - 14 NPTF      | 56-400          | <b>4KF4</b>    | <b>4KF4-SS</b>             |
|           | 1/2" - 14 BSPP      | ---             | <b>4KBF4</b>   | <b>4KBF4-SS</b>            |
|           | 3/4" - 16 ORB       | ---             | <b>4KOF4</b>   | ---                        |
|           | 7/8" - 14 ORB       | ---             | <b>4KOF5</b>   | ---                        |
|           | 3/4" - 14 NPTF      | 56-600          | <b>4KF6</b>    | ---                        |
| 3/4"      | 3/4" - 14 NPTF      | 56-660          | <b>6KF6</b>    | <b>6KF6-SS</b>             |
|           | 3/4" - 14 BSPP      | ---             | <b>6KBF6</b>   | <b>6KBF6-SS</b>            |
|           | 1-1/16" - 12 ORB    | ---             | <b>6KOF6</b>   | ---                        |
| 1"        | 1" - 11 1/2 NPTF    | 56-800          | <b>8KF8</b>    | <b>8KF8-SS</b>             |
|           | 1" - 11 BSPP        | ---             | <b>8KBF8</b>   | <b>8KBF8-SS</b>            |
|           | 1-5/16" - 12 ORB    | ---             | <b>8KOF8</b>   | ---                        |
| 1 1/4"    | 1 1/4" - 11 1/2 NPT | ---             | <b>10KF10</b>  | ---                        |
|           | 1 1/4" - 11 BSPP    | ---             | <b>10KBF10</b> | ---                        |
| 1 1/2"    | 1 1/2" - 11 1/2 NPT | ---             | <b>12KF12</b>  | ---                        |
|           | 1 1/2" - 11 BSPP    | ---             | <b>12KBF12</b> | ---                        |
| 2"        | 2" - 11 1/2 NPT     | ---             | <b>16KF16</b>  | ---                        |
|           | 2" - 11 BSPP        | ---             | <b>16KBF16</b> | ---                        |



4KF4 - steel



6KF6 - steel



10KF10 - steel

## ISO-A Interchange Female Threaded Plugs

| Body Size | Threads             | Previous Part # | Steel Part #   | 316 Stainless Steel Part # |
|-----------|---------------------|-----------------|----------------|----------------------------|
| 1/4"      | 1/8" - 27 NPTF      | 57-100          | <b>K2F1</b>    | ---                        |
|           | 1/4" - 18 NPTF      | 57-200          | <b>K2F2</b>    | <b>K2F2-SS</b>             |
|           | 1/4" - 19 BSPP      | ---             | <b>K2BF2</b>   | <b>K2BF2-SS</b>            |
|           | 7/16" - 20 ORB      | ---             | <b>K2OF2</b>   | ---                        |
| 3/8"      | 3/8" - 18 NPTF      | 57-300          | <b>K3F3</b>    | <b>K3F3-SS</b>             |
|           | 3/8" - 19 BSPP      | ---             | <b>K3BF3</b>   | <b>K3BF3-SS</b>            |
|           | 9/16" - 18 ORB      | ---             | <b>K3OF3</b>   | ---                        |
| 1/2"      | 1/2" - 14 NPTF      | 57-400          | <b>K4F4</b>    | <b>K4F4-SS</b>             |
|           | 1/2" - 14 BSPP      | ---             | <b>K4BF4</b>   | <b>K4BF4-SS</b>            |
|           | 3/4" - 16 ORB       | ---             | <b>K4OF4</b>   | ---                        |
|           | 7/8" - 14 ORB       | ---             | <b>K4OF5</b>   | ---                        |
|           | 3/4" - 14 NPTF      | 57-600          | <b>K4F6</b>    | ---                        |
| 3/4"      | 3/4" - 14 NPTF      | 57-660          | <b>K6F6</b>    | <b>K6F6-SS</b>             |
|           | 3/4" - 14 BSPP      | ---             | <b>K6BF6</b>   | <b>K6BF6-SS</b>            |
|           | 1-1/16" - 12 ORB    | ---             | <b>K6OF6</b>   | ---                        |
| 1"        | 1" - 11 1/2 NPTF    | 57-800          | <b>K8F8</b>    | <b>K8F8-SS</b>             |
|           | 1" - 11 BSPP        | ---             | <b>K8BF8</b>   | <b>K8BF8-SS</b>            |
|           | 1-5/16" - 12 ORB    | ---             | <b>K8OF8</b>   | ---                        |
| 1 1/4"    | 1 1/4" - 11 1/2 NPT | ---             | <b>K10F10</b>  | ---                        |
|           | 1 1/4" - 11 BSPP    | ---             | <b>K10BF10</b> | ---                        |
| 1 1/2"    | 1 1/2" - 11 1/2 NPT | ---             | <b>K12F12</b>  | ---                        |
|           | 1 1/2" - 11 BSPP    | ---             | <b>K12BF12</b> | ---                        |
| 2"        | 2" - 11 1/2 NPT     | ---             | <b>K16F16</b>  | ---                        |
|           | 2" - 11 BSPP        | ---             | <b>K16BF16</b> | ---                        |



K4F4 - steel



K6F6 - steel

## K-Series Hydraulic Couplings

Hydraulic Fittings

## ISO-A Interchange Dust Caps / Plugs

| Body Size | Previous Part #           | Nitrile Part #   |
|-----------|---------------------------|------------------|
| 1/4"      | 56-002 / 57-002           | <b>2KDP-K2DC</b> |
| 3/8"      | 56-003 / 57-003 / VHCN004 | <b>3KDP-K3DC</b> |
| 3/4"      | 56-006 / 57-006           | <b>6KDP-K6DC</b> |
| 1"        | 56-008 / 57-008           | <b>8KDP-K8DC</b> |



## ISO-A Interchange Color Coded Dust Plugs



| Body Size | Color  | Previous Part # | Nitrile Part # |
|-----------|--------|-----------------|----------------|
| 1/2"      | black  | 56-004          | <b>4KDP</b>    |
|           | red    | ---             | <b>4K-R-DP</b> |
|           | orange | ---             | <b>4K-O-DP</b> |
|           | yellow | ---             | <b>4K-Y-DP</b> |
|           | green  | ---             | <b>4K-G-DP</b> |
|           | blue   | ---             | <b>4K-B-DP</b> |

## ISO-A Interchange Color Coded Dust Caps



| Body Size | Color  | Previous Part # | Nitrile Part # |
|-----------|--------|-----------------|----------------|
| 1/2"      | black  | 57-004          | <b>K4DC</b>    |
|           | red    | ---             | <b>K4-R-DC</b> |
|           | orange | ---             | <b>K4-O-DC</b> |
|           | yellow | ---             | <b>K4-Y-DC</b> |
|           | green  | ---             | <b>K4-G-DC</b> |
|           | blue   | ---             | <b>K4-B-DC</b> |

## ISO-A Interchange Coupler Seal Kits

| Body Size | Coupler Style | Description                         | Nitrile Part #  |
|-----------|---------------|-------------------------------------|-----------------|
| 1/4"      | all           | O-ring and PTFE anti-extrusion ring | <b>2K-SKIT</b>  |
| 3/8"      | all           | O-ring and PTFE anti-extrusion ring | <b>3K-SKIT</b>  |
| 1/2"      | all           | O-ring and PTFE anti-extrusion ring | <b>4K-SKIT</b>  |
| 3/4"      | all           | O-ring and PTFE anti-extrusion ring | <b>6K-SKIT</b>  |
| 1"        | all           | O-ring and PTFE anti-extrusion ring | <b>8K-SKIT</b>  |
| 1 1/4"    | all           | O-ring and PTFE anti-extrusion ring | <b>10K-SKIT</b> |
| 1 1/2"    | all           | O-ring and PTFE anti-extrusion ring | <b>12K-SKIT</b> |
| 2"        | all           | O-ring and PTFE anti-extrusion ring | <b>16K-SKIT</b> |

## Plug Profiles

## Industry/Competitor Interchange

ISO 7241-A  
Eaton/Aeroquip 5600  
Parker 6600  
Faster ANV  
Safeway S56  
Stucchi BIR





## AG-Series Hydraulic Couplings

**Application:**

- used on construction equipment, farm implements and most other mobile equipment

**Features:**

- ball valve and poppet valve options available
- interchangeable with Pioneer 4000 series, see Hydraulic Profile Chart on page 462
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for pressure ratings and other technical information.

**Agricultural Ball Valve Female Threaded Couplers**

| Body Size | Threads          | Previous Part # | Steel<br>Part # |
|-----------|------------------|-----------------|-----------------|
| 1/4"      | 1/4" - 18 NPTF   | ---             | <b>2AGF2</b>    |
| 3/8"      | 3/8" - 18 NPTF   | ---             | <b>3AGF3</b>    |
| 1/2"      | 1/2" - 14 NPTF   | 18-400          | <b>4AGF4</b>    |
|           | 1/2" - 14 BSPP   | ---             | <b>4AGBF4</b>   |
|           | 3/4" - 16 ORB    | 18-415          | <b>4AGOF4</b>   |
|           | 7/8" - 14 ORB    | ---             | <b>4AGOF5</b>   |
| 3/4"      | 3/4" - 14 NPTF   | 18-600          | <b>4AGF6</b>    |
|           | 3/4" - 14 NPTF   | 18-660          | <b>6AGF6</b>    |
| 1"        | 1" - 11 1/2 NPTF | ---             | <b>8AGF8</b>    |

**Agricultural Poppet Valve Female Threaded Couplers**

| Body Size | Threads          | Previous Part # | Steel<br>Part #  |
|-----------|------------------|-----------------|------------------|
| 1/4"      | 1/4" - 18 NPTF   | 18-200          | <b>2AGF2-PV</b>  |
| 3/8"      | 3/8" - 18 NPTF   | 18-300          | <b>3AGF3-PV</b>  |
| 1/2"      | 1/2" - 14 NPTF   | ---             | <b>4AGF4-PV</b>  |
|           | 1/2" - 14 BSPP   | ---             | <b>4AGBF4-PV</b> |
|           | 3/4" - 16 ORB    | ---             | <b>4AGOF4-PV</b> |
|           | 7/8" - 14 ORB    | ---             | <b>4AGOF5-PV</b> |
| 3/4"      | 3/4" - 14 NPTF   | ---             | <b>4AGF6-PV</b>  |
|           | 3/4" - 14 NPTF   | ---             | <b>6AGF6-PV</b>  |
| 1"        | 1" - 11 1/2 NPTF | 18-800          | <b>8AGF8-PV</b>  |

**Agricultural Push-Pull Ball Valve Female Threaded Couplers**

| Body Size | Threads        | Steel<br>Part #  |
|-----------|----------------|------------------|
| 3/8"      | 3/8" - 18 NPTF | <b>3AGF3-PS</b>  |
| 1/2"      | 1/2" - 14 NPTF | <b>4AGF4-PS</b>  |
|           | 3/4" - 16 ORB  | <b>4AGOF4-PS</b> |
|           | 7/8" - 14 ORB  | <b>4AGOF5-PS</b> |
|           | 3/4" - 14 NPTF | <b>4AGF6-PS</b>  |
| 3/4"      | 3/4" - 14 NPTF | <b>6AGF6-PS</b>  |

**Agricultural Push-Pull Poppet Valve Female Threaded Couplers**

| Body Size | Threads        | Steel<br>Part #     |
|-----------|----------------|---------------------|
| 3/8"      | 3/8" - 18 NPTF | <b>3AGF3-PV-PS</b>  |
| 1/2"      | 1/2" - 14 NPTF | <b>4AGF4-PV-PS</b>  |
|           | 3/4" - 16 ORB  | <b>4AGOF4-PV-PS</b> |
|           | 7/8" - 14 ORB  | <b>4AGOF5-PV-PS</b> |
|           | 3/4" - 14 NPTF | <b>4AGF6-PV-PS</b>  |
| 3/4"      | 3/4" - 14 NPTF | <b>6AGF6-PV-PS</b>  |





## AG-Series Hydraulic Couplings

Hydraulic Fittings



## Agricultural Ball Valve Female Threaded Plugs

| Body Size | Threads          | Previous Part # | Steel<br>Part # |
|-----------|------------------|-----------------|-----------------|
| 1/4"      | 1/4" - 18 NPTF   | ---             | <b>AG2F2</b>    |
| 3/8"      | 3/8" - 18 NPTF   | ---             | <b>AG3F3</b>    |
| 1/2"      | 1/2" - 14 NPTF   | 19-400          | <b>AG4F4</b>    |
|           | 1/2" - 14 BSPP   | ---             | <b>AG4BF4</b>   |
|           | 3/4" - 16 ORB    | 19-415          | <b>AG4OF4</b>   |
|           | 7/8" - 14 ORB    | ---             | <b>AG4OF5</b>   |
|           | 3/4" - 14 NPTF   | 19-600          | <b>AG4F6</b>    |
| 3/4"      | 3/4" - 14 NPTF   | 19-660          | <b>AG6F6</b>    |
| 1"        | 1" - 11 1/2 NPTF | ---             | <b>AG8F8</b>    |

## Agricultural Poppet Valve Female Threaded Plugs

| Body Size | Threads          | Previous Part # | Steel<br>Part #  |
|-----------|------------------|-----------------|------------------|
| 1/4"      | 1/4" - 18 NPTF   | ---             | <b>AG2F2-PV</b>  |
| 3/8"      | 3/8" - 18 NPTF   | ---             | <b>AG3F3-PV</b>  |
| 1/2"      | 1/2" - 14 NPTF   | 19-400          | <b>AG4F4-PV</b>  |
|           | 1/2" - 14 BSPP   | ---             | <b>AG4BF4-PV</b> |
|           | 3/4" - 16 ORB    | 19-415          | <b>AG4OF4-PV</b> |
|           | 7/8" - 14 ORB    | ---             | <b>AG4OF5-PV</b> |
|           | 3/4" - 14 NPTF   | 19-600          | <b>AG4F6-PV</b>  |
| 3/4"      | 3/4" - 14 NPTF   | 19-660          | <b>AG6F6-PV</b>  |
| 1"        | 1" - 11 1/2 NPTF | ---             | <b>AG8F8-PV</b>  |



## Agricultural Dust Plugs

| Body Size | Previous Part #   | Elastomer<br>Part # |
|-----------|---|---------------------|
| 1/4"      | 18-002  | <b>2AGDP</b>        |
| 3/8"      | 18-003  | <b>3AGDP</b>        |
| 1/2"      | For 1/2" Please refer to the color coded K-Series Dust Plugs on pg. 460 |                     |
| 3/4"      | 18-006  | <b>6AGDP</b>        |
| 1"        | 18-008  | <b>8AGDP</b>        |

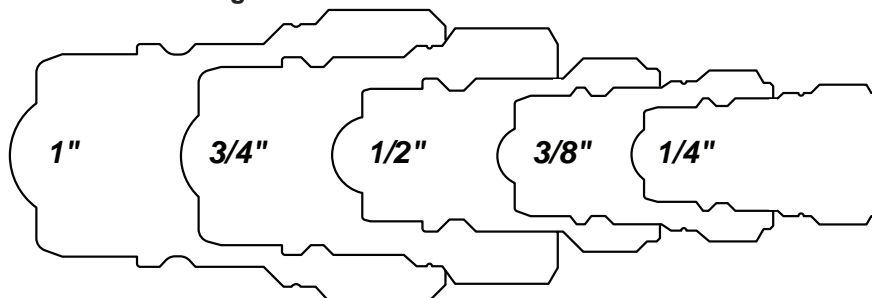


## Agricultural Dust Caps

| Body Size | Previous Part #  | Elastomer<br>Part # |
|-----------|--|---------------------|
| 1/4"      | 19-002   | <b>AG2DC</b>        |
| 3/8"      | 19-003   | <b>AG3DC</b>        |
| 1/2"      | For 1/2" Please refer to the color coded K-Series Dust Caps on pg. 460 |                     |
| 3/4"      | 19-006   | <b>AG6DC</b>        |
| 1"        | 19-008   | <b>AG8DC</b>        |



## Plug Profiles

Industry/Competitor  
Interchange

Parker/Pioneer 4000  
Safeway S20  
Faster NS/NV  
Stucchi IR

## V-Series Hydraulic Couplings

## Features:

- general purpose hydraulic quick-connect provides superior flow characteristics for a variety of applications
- interchangeable with Snap-tite H/IH Series, see Hydraulic Profile Chart on page 469
- nitrile seal standard providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.

## Snap-Tite H/IH Interchange Valved Female Threaded Couplers

| Body Size | Threads              | Steel           |                | Brass           |                  |
|-----------|----------------------|-----------------|----------------|-----------------|------------------|
|           |                      | Previous Part # | Part #         | Previous Part # | Part #           |
| 1/4"      | 1/8" - 27 NPTF       | ---             | <b>2VF1</b>    | ---             | ---              |
|           | 1/4" - 18 NPTF       | VHC200          | <b>2VF2</b>    | VHC200B         | <b>2VF2-B</b>    |
|           | 1/4" - 19 BSPP       | ---             | <b>2VBF2</b>   | ---             | <b>2VBF2-B</b>   |
|           | 7/16" - 20 ORB       | ---             | <b>2VOF2</b>   | ---             | ---              |
| 3/8"      | 3/8" - 18 NPTF       | VHC300          | <b>3VF3</b>    | VHC300B         | <b>3VF3-B</b>    |
|           | 3/8" - 19 BSPP       | ---             | <b>3VBF3</b>   | ---             | <b>3VBF3-B</b>   |
|           | 9/16" - 18 ORB       | ---             | <b>3VOF3</b>   | ---             | ---              |
|           | 1/2" - 14 NPTF       | ---             | <b>3VF4</b>    | ---             | ---              |
| 1/2"      | 1/2" - 14 NPTF       | VHC400          | <b>4VF4</b>    | VHC400B         | <b>4VF4-B</b>    |
|           | 1/2" - 14 BSPP       | ---             | <b>4VBF4</b>   | ---             | <b>4VBF4-B</b>   |
|           | 3/4" - 16 ORB        | ---             | <b>4VOF4</b>   | ---             | ---              |
|           | 3/4" - 14 NPTF       | ---             | <b>4VF6</b>    | ---             | ---              |
| 3/4"      | 3/4" - 14 NPTF       | VHC600          | <b>6VF6</b>    | VHC600B         | <b>6VF6-B</b>    |
|           | 3/4" - 14 BSPP       | ---             | <b>6VBF6</b>   | ---             | <b>6VBF6-B</b>   |
|           | 1-1/16" - 12 ORB     | ---             | <b>6VOF6</b>   | ---             | ---              |
|           | 1" - 11 1/2 NPTF     | VHC800          | <b>8VF8</b>    | ---             | <b>8VF8-B</b>    |
| 1"        | 1" - 11 BSPP         | ---             | <b>8VBF8</b>   | ---             | <b>8VBF8-B</b>   |
|           | 1-5/16" - 12 ORB     | ---             | <b>8VOF8</b>   | ---             | ---              |
|           | 1 1/4" - 11 1/2 NPTF | VHC1000         | <b>10VF10</b>  | ---             | <b>10VF10-B</b>  |
|           | 1 1/4" - 11 BSPP     | ---             | <b>10VBF10</b> | ---             | <b>10VBF10-B</b> |
| 1 1/2"    | 1 5/8" - 12 ORB      | ---             | <b>10VOF10</b> | ---             | ---              |
|           | 1 1/2" - 11 1/2 NPTF | VHC1200         | <b>12VF12</b>  | ---             | <b>12VF12-B</b>  |
|           | 1 1/2" - 11 BSPP     | ---             | <b>12VBF12</b> | ---             | <b>12VBF12-B</b> |
|           | 1 7/8" - 12 ORB      | ---             | <b>12VOF12</b> | ---             | ---              |
| 2"        | 2" - 11 1/2 NPTF     | VHC1600         | <b>16VF16</b>  | ---             | <b>16VF16-B</b>  |
|           | 2" - 11 BSPP         | ---             | <b>16VBF16</b> | ---             | <b>16VBF16-B</b> |



steel



brass

| Body Size | Threads              | 316 Stainless Steel |                   |
|-----------|----------------------|---------------------|-------------------|
|           |                      | Previous Part #     | Part #            |
| 1/4"      | 1/4" - 18 NPTF       | VHC200SS            | <b>2VF2-SS</b>    |
|           | 1/4" - 19 BSPP       | ---                 | <b>2VBF2-SS</b>   |
| 3/8"      | 3/8" - 18 NPTF       | ---                 | <b>3VF3-SS</b>    |
|           | 3/8" - 19 BSPP       | ---                 | <b>3VBF3-SS</b>   |
| 1/2"      | 1/2" - 14 NPTF       | VHC400SS            | <b>4VF4-SS</b>    |
|           | 1/2" - 14 BSPP       | ---                 | <b>4VBF4-SS</b>   |
| 3/4"      | 3/4" - 14 NPTF       | VHC600SS            | <b>6VF6-SS</b>    |
|           | 3/4" - 14 BSPP       | ---                 | <b>6VBF6-SS</b>   |
| 1"        | 1" - 11 1/2 NPTF     | ---                 | <b>8VF8-SS</b>    |
|           | 1" - 11 BSPP         | ---                 | <b>8VBF8-SS</b>   |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | ---                 | <b>10VF10-SS</b>  |
|           | 1 1/4" - 11 BSPP     | ---                 | <b>10VBF10-SS</b> |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | ---                 | <b>12VF12-SS</b>  |
|           | 1 1/2" - 11 BSPP     | ---                 | <b>12VBF12-SS</b> |
| 2"        | 2" - 11 1/2 NPTF     | ---                 | <b>16VF16-SS</b>  |
|           | 2" - 11 BSPP         | ---                 | <b>16VBF16-SS</b> |



## V-Series Hydraulic Couplings

## Snap-Tite H/IH Interchange Valved Male Threaded Couplers

Hydraulic Fittings



steel



brass



316 stainless



steel - JIC

| Body Size | Threads              | Steel Part #   | Brass Part #    | 316 Stainless Steel Part # |
|-----------|----------------------|----------------|-----------------|----------------------------|
| 1/4"      | 1/8" - 27 NPTF       | <b>2VM1</b>    | ---             | ---                        |
|           | 1/4" - 18 NPTF       | <b>2VM2</b>    | <b>2VM2-B</b>   | <b>2VM2-SS</b>             |
|           | 7/16" - 20 JIC       | <b>2VJM2</b>   | ---             | ---                        |
| 3/8"      | 3/8" - 18 NPTF       | <b>3VM3</b>    | <b>3VM3-B</b>   | <b>3VM3-SS</b>             |
|           | 9/16" - 18 JIC       | <b>3VJM3</b>   | ---             | ---                        |
| 1/2"      | 1/2" - 14 NPTF       | <b>4VM4</b>    | <b>4VM4-B</b>   | <b>4VM4-SS</b>             |
|           | 3/4" - 16 JIC        | <b>4VJM4</b>   | ---             | ---                        |
| 3/4"      | 3/4" - 14 NPTF       | <b>6VM6</b>    | <b>6VM6-B</b>   | <b>6VM6-SS</b>             |
|           | 1-1/16" - 12 JIC     | <b>6VJM6</b>   | ---             | ---                        |
| 1"        | 1" - 11 1/2 NPTF     | <b>8VM8</b>    | <b>8VM8-B</b>   | <b>8VM8-SS</b>             |
|           | 1-5/16" - 12 JIC     | <b>8VJM8</b>   | ---             | ---                        |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | <b>10VM10</b>  | <b>10VM10-B</b> | <b>10VM10-SS</b>           |
|           | 1 5/8" - 12 JIC      | <b>10VJM10</b> | ---             | ---                        |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | <b>12VM12</b>  | <b>12VM12-B</b> | <b>12VM12-SS</b>           |
|           | 2" - 11 1/2 NPTF     | <b>16VM16</b>  | <b>16VM16-B</b> | <b>16VM16-SS</b>           |

## Snap-Tite H/IH Interchange Valved Male Threaded Plugs



steel



brass



316 stainless



steel

| Body Size | Threads              | Steel Part #   | Brass Part #    | 316 Stainless Steel Part # |
|-----------|----------------------|----------------|-----------------|----------------------------|
| 1/4"      | 1/8" - 27 NPTF       | <b>V2M1</b>    | ---             | ---                        |
|           | 1/4" - 18 NPTF       | <b>V2M2</b>    | <b>V2M2-B</b>   | <b>V2M2-SS</b>             |
|           | 7/16" - 20 JIC       | <b>V2JM2</b>   | ---             | ---                        |
| 3/8"      | 3/8" - 18 NPTF       | <b>V3M3</b>    | <b>V3M3-B</b>   | <b>V3M3-SS</b>             |
|           | 9/16" - 18 JIC       | <b>V3JM3</b>   | ---             | ---                        |
| 1/2"      | 1/2" - 14 NPTF       | <b>V4M4</b>    | <b>V4M4-B</b>   | <b>V4M4-SS</b>             |
|           | 3/4" - 16 JIC        | <b>V4JM4</b>   | ---             | ---                        |
| 3/4"      | 3/4" - 14 NPTF       | <b>V6M6</b>    | <b>V6M6-B</b>   | <b>V6M6-SS</b>             |
|           | 1-1/16" - 12 JIC     | <b>V6JM6</b>   | ---             | ---                        |
| 1"        | 1" - 11 1/2 NPTF     | <b>V8M8</b>    | <b>V8M8-B</b>   | <b>V8M8-SS</b>             |
|           | 1-5/16" - 12 JIC     | <b>V8JM8</b>   | ---             | ---                        |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | <b>V10M10</b>  | <b>V10M10-B</b> | <b>V10M10-SS</b>           |
|           | 1 5/8" - 12 JIC      | <b>V10JM10</b> | ---             | ---                        |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | <b>V12M12</b>  | <b>V12M12-B</b> | <b>V12M12-SS</b>           |
|           | 2" - 11 1/2 NPTF     | <b>V16M16</b>  | <b>V16M16-B</b> | <b>V16M16-SS</b>           |

## V-Series Hydraulic Couplings

## Snap-Tite H/IH Interchange Valved Female Threaded Plugs

Hydraulic Fittings

| Body Size | Threads              | Steel           |                | Brass           |                  |
|-----------|----------------------|-----------------|----------------|-----------------|------------------|
|           |                      | Previous Part # | Part #         | Previous Part # | Part #           |
| 1/4"      | 1/8" - 27 NPTF       | ---             | <b>V2F1</b>    | ---             | ---              |
|           | 1/4" - 18 NPTF       | VHN200          | <b>V2F2</b>    | VHN200B         | <b>V2F2-B</b>    |
|           | 1/4" - 19 BSPP       | ---             | <b>V2BF2</b>   | ---             | <b>V2BF2-B</b>   |
|           | 7/16" - 20 ORB       | ---             | <b>V2OF2</b>   | ---             | ---              |
| 3/8"      | 3/8" - 18 NPTF       | VHN300          | <b>V3F3</b>    | VHN300B         | <b>V3F3-B</b>    |
|           | 3/8" - 19 BSPP       | ---             | <b>V3BF3</b>   | ---             | <b>V3BF3-B</b>   |
|           | 9/16" - 18 ORB       | ---             | <b>V3OF3</b>   | ---             | ---              |
|           | 1/2" - 14 NPTF       | ---             | <b>V3F4</b>    | ---             | ---              |
| 1/2"      | 1/2" - 14 NPTF       | VHN400          | <b>V4F4</b>    | VHN400B         | <b>V4F4-B</b>    |
|           | 1/2" - 14 BSPP       | ---             | <b>V4BF4</b>   | ---             | <b>V4BF4-B</b>   |
|           | 3/4" - 16 ORB        | ---             | <b>V4OF4</b>   | ---             | ---              |
|           | 3/4" - 14 NPTF       | ---             | <b>V4F6</b>    | ---             | ---              |
| 3/4"      | 3/4" - 14 NPTF       | VHN600          | <b>V6F6</b>    | VHN600B         | <b>V6F6-B</b>    |
|           | 3/4" - 14 BSPP       | ---             | <b>V6BF6</b>   | ---             | <b>V6BF6-B</b>   |
|           | 1-1/16" - 12 ORB     | ---             | <b>V6OF6</b>   | ---             | ---              |
| 1"        | 1" - 11 1/2 NPTF     | VHN800          | <b>V8F8</b>    | ---             | <b>V8F8-B</b>    |
|           | 1" - 11 BSPP         | ---             | <b>V8BF8</b>   | ---             | <b>V8BF8-B</b>   |
|           | 1-5/16" - 12 ORB     | ---             | <b>V8OF8</b>   | ---             | ---              |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | VHN1000         | <b>V10F10</b>  | ---             | <b>V10F10-B</b>  |
|           | 1 1/4" - 11 BSPP     | ---             | <b>V10BF10</b> | ---             | <b>V10BF10-B</b> |
|           | 1 5/8" - 12 ORB      | ---             | <b>V10OF10</b> | ---             | ---              |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | VHN1200         | <b>V12F12</b>  | ---             | <b>V12F12-B</b>  |
|           | 1 1/2" - 11 BSPP     | ---             | <b>V12BF12</b> | ---             | <b>V12BF12-B</b> |
|           | 1 7/8" - 12 ORB      | ---             | <b>V12OF12</b> | ---             | ---              |
| 2"        | 2" - 11 1/2 NPTF     | VHN1600         | <b>V16F16</b>  | ---             | <b>V16F16-B</b>  |
|           | 2" - 11 BSPP         | ---             | <b>V16BF16</b> | ---             | <b>V16BF16-B</b> |



steel



brass

| Body Size | Threads              | 316 Stainless Steel |                   |
|-----------|----------------------|---------------------|-------------------|
|           |                      | Previous Part #     | Part #            |
| 1/4"      | 1/4" - 18 NPTF       | VHN200SS            | <b>V2F2-SS</b>    |
|           | 1/4" - 19 BSPP       | ---                 | <b>V2BF2-SS</b>   |
| 3/8"      | 3/8" - 18 NPTF       | ---                 | <b>V3F3-SS</b>    |
|           | 3/8" - 19 BSPP       | ---                 | <b>V3BF3-SS</b>   |
| 1/2"      | 1/2" - 14 NPTF       | VHN400SS            | <b>V4F4-SS</b>    |
|           | 1/2" - 14 BSPP       | ---                 | <b>V4BF4-SS</b>   |
| 3/4"      | 3/4" - 14 NPTF       | VHN600SS            | <b>V6F6-SS</b>    |
|           | 3/4" - 14 BSPP       | ---                 | <b>V6BF6-SS</b>   |
| 1"        | 1" - 11 1/2 NPTF     | ---                 | <b>V8F8-SS</b>    |
|           | 1" - 11 BSPP         | ---                 | <b>V8BF8-SS</b>   |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | ---                 | <b>V10F10-SS</b>  |
|           | 1 1/4" - 11 BSPP     | ---                 | <b>V10BF10-SS</b> |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | ---                 | <b>V12F12-SS</b>  |
|           | 1 1/2" - 11 BSPP     | ---                 | <b>V12BF12-SS</b> |
| 2"        | 2" - 11 1/2 NPTF     | ---                 | <b>V16F16-SS</b>  |
|           | 2" - 11 BSPP         | ---                 | <b>V16BF16-SS</b> |



## V-Series Hydraulic Couplings

## Snap-Tite H/IH Interchange Unvalved Female Threaded Couplers

Hydraulic Fittings



steel



brass

| Body Size | Threads              | Previous Part # | Steel Part #     | Brass Part #       |
|-----------|----------------------|-----------------|------------------|--------------------|
| 1/4"      | 1/4" - 18 NPTF       | ---             | <b>2VF2-E</b>    | <b>2VF2-B-E</b>    |
|           | 1/4" - 19 BSPP       | ---             | <b>2VBF2-E</b>   | <b>2VBF2-B-E</b>   |
| 3/8"      | 3/8" - 18 NPTF       | ---             | <b>3VF3-E</b>    | <b>3VF3-B-E</b>    |
|           | 3/8" - 19 BSPP       | ---             | <b>3VBF3-E</b>   | <b>3VBF3-B-E</b>   |
| 1/2"      | 1/2" - 14 NPTF       | VHC400NV        | <b>4VF4-E</b>    | <b>4VF4-B-E</b>    |
|           | 1/2" - 14 BSPP       | ---             | <b>4VBF4-E</b>   | <b>4VBF4-B-E</b>   |
| 3/4"      | 3/4" - 14 NPTF       | VHC600NV        | <b>6VF6-E</b>    | <b>6VF6-B-E</b>    |
|           | 3/4" - 14 BSPP       | ---             | <b>6VBF6-E</b>   | <b>6VBF6-B-E</b>   |
| 1"        | 1" - 11 1/2 NPTF     | ---             | <b>8VF8-E</b>    | <b>8VF8-B-E</b>    |
|           | 1" - 11 BSPP         | ---             | <b>8VBF8-E</b>   | <b>8VBF8-B-E</b>   |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | ---             | <b>10VF10-E</b>  | <b>10VF10-B-E</b>  |
|           | 1 1/4" - 11 BSPP     | ---             | <b>10VBF10-E</b> | <b>10VBF10-B-E</b> |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | ---             | <b>12VF12-E</b>  | <b>12VF12-B-E</b>  |
| 2"        | 2" - 11 1/2 NPTF     | ---             | <b>16VF16-E</b>  | <b>16VF16-B-E</b>  |

| Body Size | Threads              | 316 Stainless Steel Part # |
|-----------|----------------------|----------------------------|
| 1/4"      | 1/4" - 18 NPTF       | <b>2VF2-SS-E</b>           |
|           | 1/4" - 19 BSPP       | <b>2VBF2-SS-E</b>          |
| 3/8"      | 3/8" - 18 NPTF       | <b>3VF3-SS-E</b>           |
|           | 3/8" - 19 BSPP       | <b>3VBF3-SS-E</b>          |
| 1/2"      | 1/2" - 14 NPTF       | <b>4VF4-SS-E</b>           |
|           | 1/2" - 14 BSPP       | <b>4VBF4-SS-E</b>          |
| 3/4"      | 3/4" - 14 NPTF       | <b>6VF6-SS-E</b>           |
|           | 3/4" - 14 BSPP       | <b>6VBF6-SS-E</b>          |
| 1"        | 1" - 11 1/2 NPTF     | <b>8VF8-SS-E</b>           |
|           | 1" - 11 BSPP         | <b>8VBF8-SS-E</b>          |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | <b>10VF10-SS-E</b>         |
|           | 1 1/4" - 11 BSPP     | <b>10VBF10-SS-E</b>        |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | <b>12VF12-SS-E</b>         |
| 2"        | 2" - 11 1/2 NPTF     | <b>16VF16-SS-E</b>         |





## V-Series Hydraulic Couplings

## Snap-Tite H/IH Interchange Unvalved Male Threaded Couplers

| Body Size | Threads        | Steel Part #    | Brass Part #    | 316 Stainless Steel Part # |
|-----------|----------------|-----------------|-----------------|----------------------------|
| 1/4"      | 1/4" - 18 NPTF | <b>2VM2-E</b>   | <b>2VM2-B-E</b> | <b>2VM2-SS-E</b>           |
| 3/8"      | 3/8" - 18 NPTF | <b>3VM3-E</b>   | <b>3VM3-B-E</b> | <b>3VM3-SS-E</b>           |
| 1/2"      | 1/2" - 14 NPTF | <b>4VM4-E</b>   | <b>4VM4-B-E</b> | <b>4VM4-SS-E</b>           |
| 3/4"      | 3/4" - 14 NPTF | <b>6VM6-E</b>   | <b>6VM6-B-E</b> | <b>6VM6-SS-E</b>           |
| 1"        | 1" - 11½ NPTF  | <b>8VM8-E</b>   | <b>8VM8-B-E</b> | <b>8VM8-SS-E</b>           |
| 1¼"       | 1¼" - 11½ NPTF | <b>10VM10-E</b> | ---             | <b>10VM10-SS-E</b>         |
| 1½"       | 1½" - 11½ NPTF | <b>12VM12-E</b> | ---             | <b>12VM12-SS-E</b>         |
| 2"        | 2" - 11½ NPTF  | <b>16VM16-E</b> | ---             | <b>16VM16-SS-E</b>         |



steel



brass



316 stainless

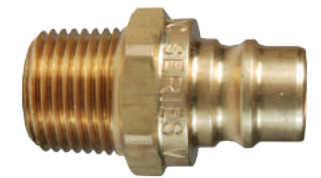
Hydraulic Fittings

## Snap-Tite H/IH Interchange Unvalved Male Threaded Plugs

| Body Size | Threads        | Steel Part #    | Brass Part #    | 316 Stainless Steel Part # |
|-----------|----------------|-----------------|-----------------|----------------------------|
| 1/4"      | 1/4" - 18 NPTF | <b>V2M2-E</b>   | <b>V2M2-B-E</b> | <b>V2M2-SS-E</b>           |
| 3/8"      | 3/8" - 18 NPTF | <b>V3M3-E</b>   | <b>V3M3-B-E</b> | <b>V3M3-SS-E</b>           |
| 1/2"      | 1/2" - 14 NPTF | <b>V4M4-E</b>   | <b>V4M4-B-E</b> | <b>V4M4-SS-E</b>           |
| 3/4"      | 3/4" - 14 NPTF | <b>V6M6-E</b>   | <b>V6M6-B-E</b> | <b>V6M6-SS-E</b>           |
| 1"        | 1" - 11½ NPTF  | <b>V8M8-E</b>   | <b>V8M8-B-E</b> | <b>V8M8-SS-E</b>           |
| 1¼"       | 1¼" - 11½ NPTF | <b>V10M10-E</b> | ---             | <b>V10M10-SS-E</b>         |
| 1½"       | 1½" - 11½ NPTF | <b>V12M12-E</b> | ---             | <b>V12M12-SS-E</b>         |
| 2"        | 2" - 11½ NPTF  | <b>V16M16-E</b> | ---             | <b>V16M16-SS-E</b>         |



steel



brass



316 stainless



## V-Series Hydraulic Couplings

## Hydraulic Fittings



steel



brass

## Snap-Tite H/IH Interchange Unvalved Female Threaded Plugs

| Body Size | Threads              | Previous Part # | Steel Part #     | Brass Part #       |
|-----------|----------------------|-----------------|------------------|--------------------|
| 1/4"      | 1/4" - 18 NPTF       | ---             | <b>V2F2-E</b>    | <b>V2F2-B-E</b>    |
|           | 1/4" - 19 BSPP       | ---             | <b>V2BF2-E</b>   | <b>V2BF2-B-E</b>   |
| 3/8"      | 3/8" - 18 NPTF       | ---             | <b>V3F3-E</b>    | <b>V3F3-B-E</b>    |
|           | 3/8" - 19 BSPP       | ---             | <b>V3BF3-E</b>   | <b>V3BF3-B-E</b>   |
| 1/2"      | 1/2" - 14 NPTF       | VHN400NV        | <b>V4F4-E</b>    | <b>V4F4-B-E</b>    |
|           | 1/2" - 14 BSPP       | ---             | <b>V4BF4-E</b>   | <b>V4BF4-B-E</b>   |
| 3/4"      | 3/4" - 14 NPTF       | VHN600NV        | <b>V6F6-E</b>    | <b>V6F6-B-E</b>    |
|           | 3/4" - 14 BSPP       | ---             | <b>V6BF6-E</b>   | <b>V6BF6-B-E</b>   |
| 1"        | 1" - 11 1/2 NPTF     | ---             | <b>V8F8-E</b>    | <b>V8F8-B-E</b>    |
|           | 1" - 11 BSPP         | ---             | <b>V8BF8-E</b>   | <b>V8BF8-B-E</b>   |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | ---             | <b>V10F10-E</b>  | <b>V10F10-B-E</b>  |
|           | 1 1/4" - 11 BSPP     | ---             | <b>V10BF10-E</b> | <b>V10BF10-B-E</b> |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | ---             | <b>V12F12-E</b>  | <b>V12F12-B-E</b>  |
| 2"        | 2" - 11 1/2 NPTF     | ---             | <b>V16F16-E</b>  | <b>V16F16-B-E</b>  |



| Body Size | Threads              | 316 Stainless Steel Part # |
|-----------|----------------------|----------------------------|
| 1/4"      | 1/4" - 18 NPTF       | <b>V2F2-SS-E</b>           |
|           | 1/4" - 19 BSPP       | <b>V2BF2-SS-E</b>          |
| 3/8"      | 3/8" - 18 NPTF       | <b>V3F3-SS-E</b>           |
|           | 3/8" - 19 BSPP       | <b>V3BF3-SS-E</b>          |
| 1/2"      | 1/2" - 14 NPTF       | <b>V4F4-SS-E</b>           |
|           | 1/2" - 14 BSPP       | <b>V4BF4-SS-E</b>          |
| 3/4"      | 3/4" - 14 NPTF       | <b>V6F6-SS-E</b>           |
|           | 3/4" - 14 BSPP       | <b>V6BF6-SS-E</b>          |
| 1"        | 1" - 11 1/2 NPTF     | <b>V8F8-SS-E</b>           |
|           | 1" - 11 BSPP         | <b>V8BF8-SS-E</b>          |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | <b>V10F10-SS-E</b>         |
|           | 1 1/4" - 11 BSPP     | <b>V10BF10-SS-E</b>        |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | <b>V12F12-SS-E</b>         |
| 2"        | 2" - 11 1/2 NPTF     | <b>V16F16-SS-E</b>         |

## V-Series Hydraulic Couplings

## Snap-Tite H/IH Interchange Dust Caps / Plugs

| Body Size | <i>Nitrile</i>  |                  |
|-----------|-----------------|------------------|
|           | Previous Part # | Part #           |
| 1/4"      | VHC002          | <b>1HDP</b>      |
| 1/4"      | VHN002          | <b>V2DC</b>      |
| 3/8"      | ---             | <b>3VDP-V3DC</b> |
| 1/2"      | VHCN003         | <b>3KDP-K3DC</b> |
| 3/4"      | VHCN006         | <b>6VDP-V6DC</b> |
| 1"        | VHCN008         | <b>8VDP-V8DC</b> |



Hydraulic Fittings

## Snap-Tite H/IH Interchange Dust Plugs

| Body Size | <i>Aluminum body with steel cable</i> |                |
|-----------|---------------------------------------|----------------|
|           | Previous Part #                       | Part #         |
| 1/4"      | ---                                   | <b>2VDP-A</b>  |
| 3/8"      | ---                                   | <b>3VDP-A</b>  |
| 1/2"      | ---                                   | <b>4VDP-A</b>  |
| 3/4"      | ---                                   | <b>6VDP-A</b>  |
| 1"        | ---                                   | <b>8VDP-A</b>  |
| 1 1/4"    | VHC010                                | <b>10VDP-A</b> |
| 1 1/2"    | VHC012                                | <b>12VDP-A</b> |
| 2"        | VHC016                                | <b>16VDP-A</b> |



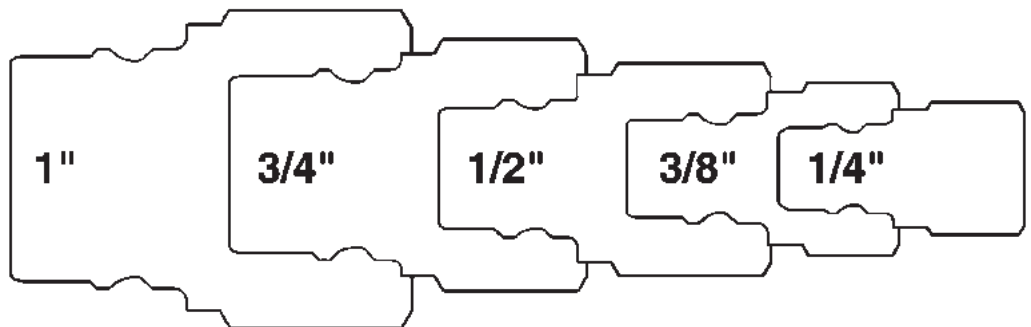
## Snap-Tite H/IH Interchange Dust Caps

| Body Size | <i>Aluminum body with steel cable</i> |                |
|-----------|---------------------------------------|----------------|
|           | Previous Part #                       | Part #         |
| 1/4"      | ---                                   | <b>V2DC-A</b>  |
| 3/8"      | ---                                   | <b>V3DC-A</b>  |
| 1/2"      | ---                                   | <b>V4DC-A</b>  |
| 3/4"      | ---                                   | <b>V6DC-A</b>  |
| 1"        | ---                                   | <b>V8DC-A</b>  |
| 1 1/4"    | VHN010                                | <b>V10DC-A</b> |
| 1 1/2"    | VHN012                                | <b>V12DC-A</b> |
| 2"        | VHN016                                | <b>V16DC-A</b> |



H

## Plug Profiles

Industry/Competitor  
InterchangeSnap-tite H  
Faster TNV

## V-Series Hydraulic Couplings

## Snap-Tite H/IH Interchange Coupler Seal Kits

Hydraulic Fittings

| Body Size | Coupler Style | Description                              | Nitrile Part #  |
|-----------|---------------|--|-----------------|
| 1/4"      | all           | body / adapter O-rings and PTFE back-up  | <b>2V-SKIT</b>  |
| 3/8"      | all           | body / adapter O-rings and PTFE back-up  | <b>3V-SKIT</b>  |
| 1/2"      | all           | body / adapter O-rings and PTFE back-up  | <b>4V-SKIT</b>  |
| 3/4"      | all           | body / adapter O-rings and PTFE back-up  | <b>6V-SKIT</b>  |
| 1"        | all           | body / adapter O-rings and PTFE back-up  | <b>8V-SKIT</b>  |
| 1 1/4"    | all           | body / adapter/valve O-rings and back-up | <b>10V-SKIT</b> |
| 1 1/2"    | all           | body / adapter/valve O-rings and back-up | <b>12V-SKIT</b> |
| 2"        | all           | body / adapter/valve O-rings and back-up | <b>16V-SKIT</b> |

| Body Size | Coupler Style | Description                              | FKM Part #        |
|-----------|---------------|--|-------------------|
| 1/4"      | all           | body / adapter O-rings and PTFE back-up  | <b>F-2V-SKIT</b>  |
| 3/8"      | all           | body / adapter O-rings and PTFE back-up  | <b>F-3V-SKIT</b>  |
| 1/2"      | all           | body / adapter O-rings and PTFE back-up  | <b>F-4V-SKIT</b>  |
| 3/4"      | all           | body / adapter O-rings and PTFE back-up  | <b>F-6V-SKIT</b>  |
| 1"        | all           | body / adapter O-rings and PTFE back-up  | <b>F-8V-SKIT</b>  |
| 1 1/4"    | all           | body / adapter/valve O-rings and back-up | <b>F-10V-SKIT</b> |
| 1 1/2"    | all           | body / adapter/valve O-rings and back-up | <b>F-12V-SKIT</b> |
| 2"        | all           | body / adapter/valve O-rings and back-up | <b>F-16V-SKIT</b> |

| Body Size | Coupler Style | Description                              | EPDM Part #       |
|-----------|---------------|--|-------------------|
| 1/4"      | all           | body / adapter O-rings and PTFE back-up  | <b>P-2V-SKIT</b>  |
| 3/8"      | all           | body / adapter O-rings and PTFE back-up  | <b>P-3V-SKIT</b>  |
| 1/2"      | all           | body / adapter O-rings and PTFE back-up  | <b>P-4V-SKIT</b>  |
| 3/4"      | all           | body / adapter O-rings and PTFE back-up  | <b>P-6V-SKIT</b>  |
| 1"        | all           | body / adapter O-rings and PTFE back-up  | <b>P-8V-SKIT</b>  |
| 1 1/4"    | all           | body / adapter/valve O-rings and back-up | <b>P-10V-SKIT</b> |
| 1 1/2"    | all           | body / adapter/valve O-rings and back-up | <b>P-12V-SKIT</b> |
| 2"        | all           | body / adapter/valve O-rings and back-up | <b>P-16V-SKIT</b> |

## V-Series Hydraulic Couplings

## Snap-Tite H/H Interchange Coupler Repair Kits

| Body Size | Coupler Material | Seal Material | Description                              | Part #           |
|-----------|------------------|---------------|--|------------------|
| 1/4"      | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>2V-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>2V-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>2V-SSRKIT</b> |
| 3/8"      | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>3V-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>3V-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>3V-SSRKIT</b> |
| 1/2"      | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>4V-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>4V-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>4V-SSRKIT</b> |
| 3/4"      | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>6V-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>6V-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>6V-SSRKIT</b> |
| 1"        | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>8V-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>8V-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>8V-SSRKIT</b> |
| 1 1/4"    | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>140030-10</b> |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>140032-10</b> |
| 1 1/2"    | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>140030-12</b> |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>140032-12</b> |
| 2"        | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>140030-16</b> |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>140032-16</b> |

Hydraulic Fittings

## Snap-Tite H/H Interchange Plug Repair Kits

| Body Size | Coupler Material | Seal Material | Description                              | Part #           |
|-----------|------------------|---------------|--|------------------|
| 1/4"      | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>V2-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>V2-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>V2-SSRKIT</b> |
| 3/8"      | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>V3-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>V3-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>V3-SSRKIT</b> |
| 1/2"      | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>V4-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>V4-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>V4-SSRKIT</b> |
| 3/4"      | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>V6-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>V6-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>V6-SSRKIT</b> |
| 1"        | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>V8-RKIT</b>   |
|           | brass            | nitrile       | brass valve assembly and adapter O-ring  | <b>V8-BRKIT</b>  |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>V8-SSRKIT</b> |
| 1 1/4"    | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>140030-10</b> |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>140032-10</b> |
| 1 1/2"    | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>140030-12</b> |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>140032-12</b> |
| 2"        | steel            | nitrile       | steel valve assembly and adapter O-ring  | <b>140030-16</b> |
|           | 316 stainless    | nitrile       | 316 SS valve assembly and adapter O-ring | <b>140032-16</b> |

## TR-Series Hydraulic Couplings

## Features:

- interchangeable with TEMA European, 3800, 5000, 7500, 10000 series
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurized connection
- Contact Dixon® for pressure ratings and other technical information.



## Tema European Female Threaded Couplers

| Body Size | Threads          | Steel Part #  |
|-----------|------------------|---------------|
| 3/8"      | 3/8" - 18 NPTF   | <b>3TRF3</b>  |
|           | 3/8" - 19 BSPP   | <b>3TRBF3</b> |
| 1/2"      | 1/2" - 14 NPTF   | <b>4TRF4</b>  |
|           | 1/2" - 14 BSPP   | <b>4TRBF4</b> |
| 3/4"      | 3/4" - 14 NPTF   | <b>6TRF6</b>  |
|           | 3/4" - 14 BSPP   | <b>6TRBF6</b> |
| 1"        | 1" - 11 1/2 NPTF | <b>8TRF8</b>  |
|           | 1" - 11 BSPP     | <b>8TRBF8</b> |

## Tema European Female Threaded Plugs



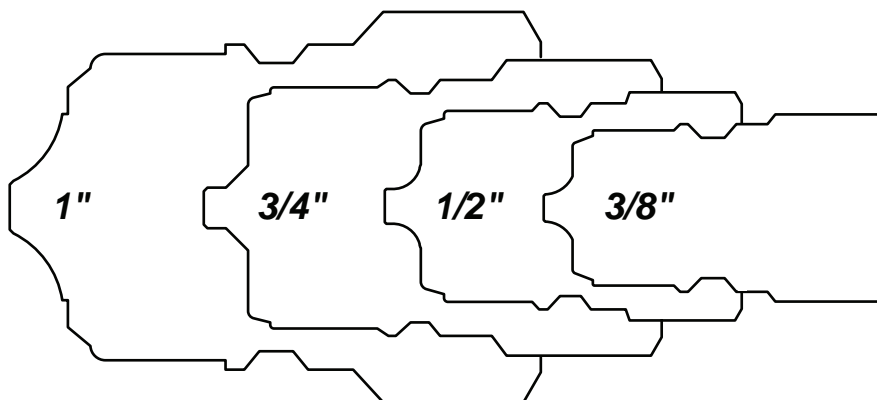
| Body Size | Threads          | Steel Part #  |
|-----------|------------------|---------------|
| 3/8"      | 3/8" - 18 NPTF   | <b>TR3F3</b>  |
|           | 3/8" - 19 BSPP   | <b>TR3BF3</b> |
| 1/2"      | 1/2" - 14 NPTF   | <b>TR4F4</b>  |
|           | 1/2" - 14 BSPP   | <b>TR4BF4</b> |
| 3/4"      | 3/4" - 14 NPTF   | <b>TR6F6</b>  |
|           | 3/4" - 14 BSPP   | <b>TR6BF6</b> |
| 1"        | 1" - 11 1/2 NPTF | <b>TR8F8</b>  |
|           | 1" - 11 BSPP     | <b>TR8BF8</b> |

## Tema European Coupler Seal Kits



| Body Size | Coupler Style | Seal Kit Contents                     | Nitrile Part #  |
|-----------|---------------|---------------------------------------|-----------------|
| 3/8"      | all           | two O-rings and one PTFE back-up ring | <b>3TR-SKIT</b> |
| 1/2"      | all           | two O-rings and one PTFE back-up ring | <b>4TR-SKIT</b> |
| 3/4"      | all           | two O-rings and one PTFE back-up ring | <b>6TR-SKIT</b> |
| 1"        | all           | two O-rings and one PTFE back-up ring | <b>8TR-SKIT</b> |

## Plug Profiles



## Industry/Competitor Interchange

TEMA European Interchange  
TEMA 3800, 5000, 7500,  
1000 Series  
CEJN Series 525

Please contact Dixon for dust caps and dust plugs.

## HT-Series Hydraulic Couplings

## Features:

- minimizes fluid loss resulting in a cleaner, safer work environment
- Automatic, push-to-connect couplings provide high flow with low pressure drop assuring maximum hydraulic system performance.
- To reduce the possibility of accidental disconnect, the sleeve lock safety feature requires turning the collar to unlock the coupling.
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.
- conforms to ISO16028 interchange standard interchangeable with Eaton/Hansen FF, Parker FEM, Snap-tite 74, Faster FFH/2FFN/2FFI, Stucchi A/FIRG and Holmbury HQ/A/FIMC

## Flushface Female Threaded Couplers

| Body Size | Threads              | Steel<br>Part # | 316 Stainless Steel<br>Part # |
|-----------|----------------------|-----------------|-------------------------------|
| 1/4"      | 1/4" - 18 NPTF       | <b>2HTF2</b>    | ---                           |
|           | 1/4" - 19 BSPP       | <b>2HTBF2</b>   | ---                           |
|           | 9/16" - 18 ORB       | <b>2HTOF3</b>   | ---                           |
| 3/8"      | 3/8" - 18 NPTF       | <b>3HTF3</b>    | <b>3HTF3-SS</b>               |
|           | 3/8" - 19 BSPP       | <b>3HTBF3</b>   | <b>3HTBF3-SS</b>              |
|           | 9/16" - 18 ORB       | <b>3HTOF3</b>   | ---                           |
|           | 1/2" - 14 NPTF       | <b>3HTF4</b>    | <b>3HTF4-SS</b>               |
|           | 1/2" - 14 BSPP       | <b>3HTBF4</b>   | <b>3HTBF4-SS</b>              |
|           | 3/4" - 16 ORB        | <b>3HTOF4</b>   | ---                           |
|           |                      |                 |                               |
| 1/2"      | 1/2" - 14 NPTF       | <b>4HTF4</b>    | <b>4HTF4-SS</b>               |
|           | 1/2" - 14 BSPP       | <b>4HTBF4</b>   | <b>4HTBF4-SS</b>              |
|           | 3/4" - 16 ORB        | <b>4HTOF4</b>   | ---                           |
|           | 7/8" - 14 ORB        | <b>4HTOF5</b>   | ---                           |
|           | 3/4" - 14 NPTF       | <b>4HTF6</b>    | <b>4HTF6-SS</b>               |
|           | 3/4" - 14 BSPP       | <b>4HTBF6</b>   | <b>4HTBF6-SS</b>              |
|           | 1-1/16" - 12 ORB     | <b>4HTOF6</b>   | ---                           |
| 5/8"      | 7/8" - 14 ORB        | <b>5HTOF5</b>   | ---                           |
|           | 3/4" - 14 NPTF       | <b>5HTF6</b>    | <b>5HTF6-SS</b>               |
|           | 3/4" - 14 BSPP       | <b>5HTBF6</b>   | <b>5HTBF6-SS</b>              |
|           | 1-1/16" - 12 ORB     | <b>5HTOF6</b>   | ---                           |
| 3/4"      | 7/8" - 14 ORB        | <b>6HTOF5</b>   | ---                           |
|           | 3/4" - 14 NPTF       | <b>6HTF6</b>    | <b>6HTF6-SS</b>               |
|           | 3/4" - 14 BSPP       | <b>6HTBF6</b>   | <b>6HTBF6-SS</b>              |
|           | 1-1/16" - 12 ORB     | <b>6HTOF6</b>   | ---                           |
|           | 1" - 11 1/2 NPTF     | <b>6HTF8</b>    | <b>6HTF8-SS</b>               |
|           | 1" - 11 BSPP         | <b>6HTBF8</b>   | <b>6HTBF8-SS</b>              |
|           | 1-5/16" - 12 ORB     | <b>6HTOF8</b>   | ---                           |
| 1"        | 1" - 11 1/2 NPTF     | <b>8HTF8</b>    | <b>8HTF8-SS</b>               |
|           | 1" - 11 BSPP         | <b>8HTBF8</b>   | <b>8HTBF8-SS</b>              |
|           | 1-5/16" - 12 ORB     | <b>8HTOF8</b>   | ---                           |
|           | 1 1/4" - 11 1/2 NPTF | <b>8HTF10</b>   | <b>8HTF10-SS</b>              |
|           | 1 1/4" - 11 BSPP     | <b>8HTBF10</b>  | <b>8HTBF10-SS</b>             |
|           | 1 5/8" - 12 ORB      | <b>8HTOF10</b>  | ---                           |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | <b>12HTF12</b>  | ---                           |
|           | 1 1/2" - 11 BSPP     | <b>12HTBF12</b> | ---                           |
|           | 1 7/8" - 12 ORB      | <b>12HTOF12</b> | ---                           |
| 2"        | 2" - 11 1/2 NPTF     | <b>16HTF16</b>  | ---                           |
|           | 2" - 11 BSPP         | <b>16HTBF16</b> | ---                           |
|           | 2 1/2" - 12 ORB      | <b>16HTOF16</b> | ---                           |



steel



316 stainless

## Flushface Male Threaded Couplers

| Body Size | Threads        | Steel<br>Part # |
|-----------|----------------|-----------------|
| 3/8"      | 3/8" - 18 NPTF | <b>3HTM3</b>    |
|           | 1/2" - 14 NPTF | <b>3HTM4</b>    |
|           | 9/16" - 18 ORB | <b>3HTOM3</b>   |
|           | 3/4" - 16 ORB  | <b>3HTOM4</b>   |
| 1/2"      | 1/2" - 14 NPTF | <b>4HTM4</b>    |



4HTM4



3HTOM4



## HT-Series Hydraulic Couplings

## Flushface Female Threaded Plugs

| Body Size | Threads              | Steel Part #    | 316 Stainless Steel Part # |
|-----------|----------------------|-----------------|----------------------------|
| 1/4"      | 1/4" - 18 NPTF       | <b>HT2F2</b>    | ---                        |
|           | 1/4" - 19 BSPP       | <b>HT2BF2</b>   | ---                        |
|           | 9/16" - 18 ORB       | <b>HT2OF3</b>   | ---                        |
| 3/8"      | 3/8" - 18 NPTF       | <b>HT3F3</b>    | <b>HT3F3-SS</b>            |
|           | 3/8" - 19 BSPP       | <b>HT3BF3</b>   | <b>HT3BF3-SS</b>           |
|           | 9/16" - 18 ORB       | <b>HT3OF3</b>   | ---                        |
|           | 1/2" - 14 NPTF       | <b>HT3F4</b>    | <b>HT3F4-SS</b>            |
|           | 1/2" - 14 BSPP       | <b>HT3BF4</b>   | <b>HT3BF4-SS</b>           |
|           | 3/4" - 16 ORB        | <b>HT3OF4</b>   | ---                        |
| 1/2"      | 1/2" - 14 NPTF       | <b>HT4F4</b>    | <b>HT4F4-SS</b>            |
|           | 1/2" - 14 BSPP       | <b>HT4BF4</b>   | <b>HT4BF4-SS</b>           |
|           | 3/4" - 16 ORB        | <b>HT4OF4</b>   | ---                        |
|           | 7/8" - 14 ORB        | <b>HT4OF5</b>   | ---                        |
|           | 3/4" - 14 NPTF       | <b>HT4F6</b>    | <b>HT4F6-SS</b>            |
|           | 3/4" - 14 BSPP       | <b>HT4BF6</b>   | <b>HT4BF6-SS</b>           |
|           | 1-1/16" - 12 ORB     | <b>HT4OF6</b>   | ---                        |
| 5/8"      | 7/8" - 14 ORB        | <b>HT5OF5</b>   | ---                        |
|           | 3/4" - 14 NPTF       | <b>HT5F6</b>    | <b>HT5F6-SS</b>            |
|           | 3/4" - 14 BSPP       | <b>HT5BF6</b>   | <b>HT5BF6-SS</b>           |
|           | 1-1/16" - 12 ORB     | <b>HT5OF6</b>   | ---                        |
| 3/4"      | 7/8" - 14 ORB        | <b>HT6OF5</b>   | ---                        |
|           | 3/4" - 14 NPTF       | <b>HT6F6</b>    | <b>HT6F6-SS</b>            |
|           | 3/4" - 14 BSPP       | <b>HT6BF6</b>   | <b>HT6BF6-SS</b>           |
|           | 1-1/16" - 12 ORB     | <b>HT6OF6</b>   | ---                        |
|           | 1" - 11 1/2 NPTF     | <b>HT6F8</b>    | <b>HT6F8-SS</b>            |
|           | 1" - 11 BSPP         | <b>HT6BF8</b>   | <b>HT6BF8-SS</b>           |
|           | 1-5/16" - 12 ORB     | <b>HT6OF8</b>   | ---                        |
| 1"        | 1" - 11 1/2 NPTF     | <b>HT8F8</b>    | <b>HT8F8-SS</b>            |
|           | 1" - 11 BSPP         | <b>HT8BF8</b>   | <b>HT8BF8-SS</b>           |
|           | 1-5/16" - 12 ORB     | <b>HT8OF8</b>   | ---                        |
|           | 1 1/4" - 11 1/2 NPTF | <b>HT8F10</b>   | <b>HT8F10-SS</b>           |
|           | 1 1/4" - 11 BSPP     | <b>HT8BF10</b>  | <b>HT8BF10-SS</b>          |
|           | 1 5/8" - 12 ORB      | <b>HT8OF10</b>  | ---                        |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | <b>HT12F12</b>  | ---                        |
|           | 1 1/2" - 11 BSPP     | <b>HT12BF12</b> | ---                        |
|           | 1 7/8" - 12 ORB      | <b>HT12OF12</b> | ---                        |
| 2"        | 2" - 11 1/2 NPTF     | <b>HT16F16</b>  | ---                        |
|           | 2" - 11 BSPP         | <b>HT16BF16</b> | ---                        |
|           | 2 1/2" - 12 ORB      | <b>HT16OF16</b> | ---                        |



steel



316 stainless

## Flushface Male Threaded Plugs



HT4M4



HT3OM4

| Body Size | Threads        | Steel Part #  |
|-----------|----------------|---------------|
| 3/8"      | 3/8" - 18 NPTF | <b>HT3M3</b>  |
|           | 1/2" - 14 NPTF | <b>HT3M4</b>  |
|           | 9/16" - 18 ORB | <b>HT3OM3</b> |
|           | 3/4" - 16 ORB  | <b>HT3OM4</b> |
| 1/2"      | 1/2" - 14 NPTF | <b>HT4M4</b>  |

## HT-Series Hydraulic Couplings

## Flushface Male Threaded Bulkhead Couplers

| Body Size | Threads             | Steel<br>Part # |
|-----------|---------------------|-----------------|
| 1/2"      | 7/8" - 14 JIC BH    | <b>4HTJB5</b>   |
|           | 1" - 14 ORFS BH     | <b>4HTRB5</b>   |
|           | 1-1/16" - 12 JIC BH | <b>4HTJB6</b>   |



4HTJB5



4HTRB5

Hydraulic Fittings

## Flushface Male Threaded Bulkhead Plugs

| Body Size | Threads             | Steel<br>Part # |
|-----------|---------------------|-----------------|
| 1/2"      | 7/8" - 14 JIC BH    | <b>HT4JB5</b>   |
|           | 1" - 14 ORFS BH     | <b>HT4RB5</b>   |
|           | 1-1/16" - 12 JIC BH | <b>HT4JB6</b>   |



HT4JB5



HT4RB5

## Flushface Coupler Dust Plugs

| Body Size | Nitrile<br>Part # |
|-----------|-------------------|
| 1/4"      | <b>2HTDP</b>      |
| 3/8"      | <b>3HTDP</b>      |
| 1/2"      | <b>4HTDP</b>      |
| 5/8"      | <b>5HTDP</b>      |
| 3/4"      | <b>6HTDP</b>      |
| 1"        | <b>8HTDP</b>      |



H

## Flushface Plug Dust Caps

| Body Size | Nitrile<br>Part # |
|-----------|-------------------|
| 1/4"      | <b>HT2DC</b>      |
| 3/8"      | <b>HT3DC</b>      |
| 1/2"      | <b>HT4DC</b>      |
| 5/8"      | <b>HT5DC</b>      |
| 3/4"      | <b>HT6DC</b>      |
| 1"        | <b>HT8DC</b>      |



## HT-Series Hydraulic Couplings

Hydraulic Fittings

## Flushface Interchange Coupler Bulkhead Kits

| Body Size | Mounting Hole | Description              | Steel Part #   |
|-----------|---------------|--------------------------|----------------|
| 1/4"      | 1.125"        | Two 360° retaining rings | <b>2HT-BMK</b> |
| 3/8"      | 1.250"        | Two 360° retaining rings | <b>3HT-BMK</b> |
| 1/2"      | 1.560"        | Two 360° retaining rings | <b>4HT-BMK</b> |
| 5/8"      | 1.685"        | Two 360° retaining rings | <b>5HT-BMK</b> |
| 3/4"      | 1.870"        | Two 360° retaining rings | <b>6HT-BMK</b> |
| 1"        | 2.310"        | Two 360° retaining rings | <b>8HT-BMK</b> |

## Flushface Interchange Coupler Seal Kits

| Body Size | Coupler Style | Description                           | Nitrile Part #  |
|-----------|---------------|---------------------------------------|-----------------|
| 1/4"      | all           | Stem/adaptor/gland O-ring, gland B.U. | <b>2HT-SKIT</b> |
| 3/8"      | all           | Stem/adaptor/gland O-ring, gland B.U. | <b>3HT-SKIT</b> |
| 1/2"      | all           | Stem/adaptor/gland O-ring, gland B.U. | <b>4HT-SKIT</b> |
| 5/8"      | all           | Stem/adaptor/gland O-ring, gland B.U. | <b>5HT-SKIT</b> |
| 3/4"      | all           | Stem/adaptor/gland O-ring, gland B.U. | <b>6HT-SKIT</b> |
| 1"        | all           | Stem/adaptor/gland O-ring, gland B.U. | <b>8HT-SKIT</b> |

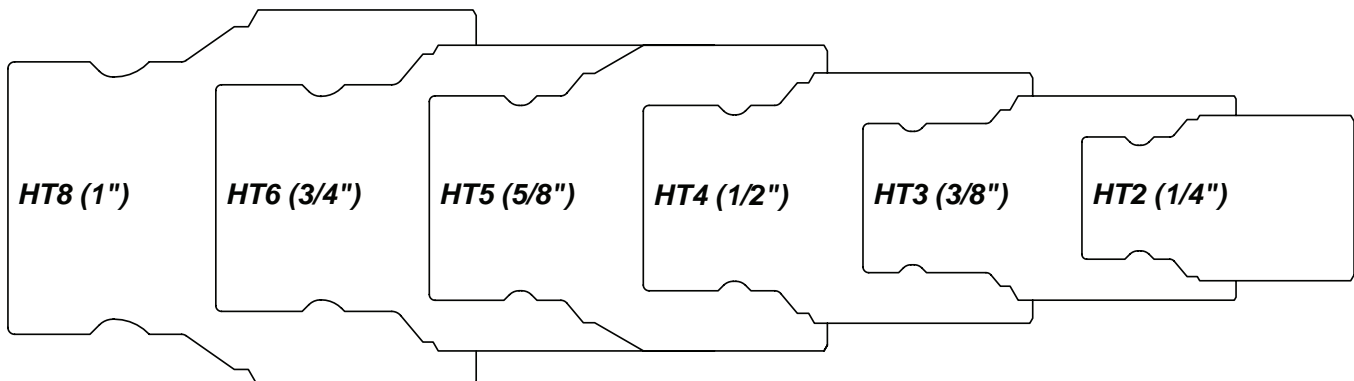
## Flushface Interchange Nipple Seal Kits

| Body Size | Nipple Style | Description                        | Nitrile Part #     |
|-----------|--------------|------------------------------------|--------------------|
| 1/4"      | all          | Main valve seal and adapter O-ring | <b>HT2-SKIT-V2</b> |
| 3/8"      | all          | Main valve seal and adapter O-ring | <b>HT3-SKIT-V2</b> |
| 1/2"      | all          | Main valve seal and adapter O-ring | <b>HT4-SKIT-V2</b> |
| 5/8"      | all          | Main valve seal and adapter O-ring | <b>HT5-SKIT-V2</b> |
| 3/4"      | all          | Main valve seal and adapter O-ring | <b>HT6-SKIT-V2</b> |
| 1"        | all          | Main valve seal and adapter O-ring | <b>HT8-SKIT-V2</b> |

## Profiles

## Industry/Competitor Interchange

Parker FEM-Series, Snap-Tite 74-Series, Hansen FF, Aeroquip/Eaton FD89, Stucchi FIRG/Series 'A', Faster FFN/FFI/2FFN/2FFI, Safeway FF49-Series



## HTE-Series Hydraulic Couplings

**Features:**

- non-linear connection force at all pressures
- no maximum connection-pressure restrictions, up to **5000 PSI**
- head pressure or valve bleed-by has minimal effect on connection force
- less susceptible to system contamination
- design is scalable performing similarly in all sizes
- smooth connection action
- connectable with trapped pressure on HTE half only
- pressure rating **5000 PSI at 70°F (21°C)**
- conforms to ISO 16028

**Connect Under Pressure Flushface Female Threaded Plug****Feature:**

- for use with HTZ or HT series couplers

| Body Size       | Threads                 | Steel<br>Part # |
|-----------------|-------------------------|-----------------|
| $\frac{3}{8}$ " | $\frac{1}{2}$ "-14 NPTF | <b>HTE3F4</b>   |
|                 | $\frac{1}{2}$ "-14 BSPP | <b>HTE3BF4</b>  |
|                 | $\frac{3}{4}$ "-16 ORB  | <b>HTE3OF4</b>  |
| $\frac{1}{2}$ " | $\frac{1}{2}$ "-14 NPTF | <b>HTE4F4</b>   |
|                 | $\frac{1}{2}$ "-14 BSPP | <b>HTE4BF4</b>  |
|                 | $\frac{3}{4}$ "-16 ORB  | <b>HTE4OF4</b>  |
|                 | $\frac{7}{8}$ "-14 ORB  | <b>HTE4OF5</b>  |
|                 | $\frac{3}{4}$ "-14 NPTF | <b>HTE4F6</b>   |
|                 | $\frac{3}{4}$ "-14 BSPP | <b>HTE4BF6</b>  |
|                 | 1-1/16"-12 ORB          | <b>HTE4OF6</b>  |
|                 |                         |                 |
| $\frac{5}{8}$ " | $\frac{7}{8}$ "-14 ORB  | <b>HTE5OF5</b>  |
|                 | $\frac{3}{4}$ "-14 NPTF | <b>HTE5F6</b>   |
|                 | $\frac{3}{4}$ "-14 BSPP | <b>HTE5BF6</b>  |
|                 | 1-1/16"-12 ORB          | <b>HTE5OF6</b>  |
| $\frac{3}{4}$ " | $\frac{3}{4}$ "-14 NPTF | <b>HTE6F6</b>   |
|                 | $\frac{3}{4}$ "-14 BSPP | <b>HTE6BF6</b>  |
|                 | 1-1/16"-12 ORB          | <b>HTE6OF6</b>  |
|                 | 1"-11½ NPTF             | <b>HTE6F8</b>   |
|                 | 1"-11 BSPP              | <b>HTE6BF8</b>  |
|                 | 1-5/16"-12 ORB          | <b>HTE6OF8</b>  |
| 1"              | 1"-11½ NPTF             | <b>HTE8F8</b>   |
|                 | 1"-11 BSPP              | <b>HTE8BF8</b>  |
|                 | 1-5/16"-12 ORB          | <b>HTE8OF8</b>  |
|                 | 1¼"-11½ NPTF            | <b>HTE8F10</b>  |
|                 | 1¼"-11 BSPP             | <b>HTE8BF10</b> |
|                 | 1½"-12 ORB              | <b>HTE8OF10</b> |
|                 |                         |                 |





HTZ-Series Hydraulic Couplings

Flush Face Female Threaded Coupler

- Features:**
- for use with HT or HTE series plugs
  - connectable with trapped pressure on HTE half only
  - connect under pressure up to **1500 PSI at 70°F (21°C)**
  - pressure rating **5000 PSI at 70°F (21°C)**

| Body Size | Threads        | Steel<br>Part # |
|-----------|----------------|-----------------|
| 1/2"      | 1/2"-14 NPTF   | <b>4HTZF4</b>   |
|           | 3/4"-14 NPTF   | <b>4HTZF6</b>   |
|           | 3/4"-16 ORB    | <b>4HTZOF4</b>  |
|           | 7/8"-14 ORB    | <b>4HTZOF5</b>  |
|           | 1-1/16"-12 ORB | <b>4HTZOF6</b>  |

## ST-Series Hydraulic Couplings

## Features:

- interchangeable with Snap-Tite 71-Series
- Nitrile (Buna-N) seals standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.
- steel coupler sleeves are hardened to resist deformation and maximize service life
- steel nipples are hardened to provide heavy duty performance

## Snap-Tite 71 Female Threaded Couplers

| Body Size | Threads              | Steel<br>Part # | 316 Stainless Steel<br>Part # |
|-----------|----------------------|-----------------|-------------------------------|
| 1/4"      | 1/4" - 18 NPTF       | <b>2STF2</b>    | <b>2STF2-SS</b>               |
|           | 1/4" - 19 BSPP       | <b>2STBF2</b>   | <b>2STBF2-SS</b>              |
| 3/8"      | 1/4" - 18 NPTF       | <b>3STF2</b>    | ---                           |
|           | 3/8" - 18 NPTF       | <b>3STF3</b>    | <b>3STF3-SS</b>               |
|           | 3/8" - 19 BSPP       | <b>3STBF3</b>   | <b>3STBF3-SS</b>              |
|           | 1/2" - 14 NPTF       | <b>3STF4</b>    | <b>3STF4-SS</b>               |
|           | 1/2" - 14 BSPP       | <b>3STBF4</b>   | <b>3STBF4-SS</b>              |
| 1/2"      | 1/2" - 14 NPTF       | <b>4STF4</b>    | <b>4STF4-SS</b>               |
|           | 1/2" - 14 BSPP       | <b>4STBF4</b>   | <b>4STBF4-SS</b>              |
|           | 3/4" - 16 ORB        | <b>4STOF4</b>   | ---                           |
| 3/4"      | 3/4" - 14 NPTF       | <b>6STF6</b>    | <b>6STF6-SS</b>               |
|           | 3/4" - 14 BSPP       | <b>6STBF6</b>   | <b>6STBF6-SS</b>              |
|           | 1-1/16" - 12 ORB     | <b>6STOF6</b>   | ---                           |
| 1"        | 1" - 11 1/2 NPTF     | <b>8STF8</b>    | <b>8STF8-SS</b>               |
|           | 1" - 11 BSPP         | <b>8STBF8</b>   | <b>8STBF8-SS</b>              |
|           | 1-5/16" - 12 ORB     | <b>8STOF8</b>   | ---                           |
|           | 1 1/4" - 11 1/2 NPTF | <b>8STF10</b>   | <b>8STF10-SS</b>              |
|           | 1 1/4" - 11 BSPP     | <b>8STBF10</b>  | <b>8STBF10-SS</b>             |
|           | 1 5/8" - 12 ORB      | <b>8STOF10</b>  | ---                           |



steel



316 stainless

## Snap-Tite 71 Old Style Female Threaded Couplers

| Body Size | Threads              | Steel<br>Part #  | 316 Stainless Steel<br>Part # |
|-----------|----------------------|------------------|-------------------------------|
| 1"        | 1" - 11 1/2 NPTF     | <b>8STF8-V2</b>  | ---                           |
|           | 1" - 11 BSPP         | <b>8STBF8-V2</b> | ---                           |
|           | 1 1/4" - 11 1/2 NPTF | <b>8STF10-V2</b> | ---                           |
| 2"        | 1 1/2" - 11 1/2 NPTF | <b>16STF12</b>   | ---                           |
|           | 1 1/2" - 11 BSPP     | <b>16STBF12</b>  | ---                           |
|           | 1-7/8" - 12 ORB      | <b>16STOF12</b>  | ---                           |
|           | 2" - 11 1/2 NPTF     | <b>16STF16</b>   | <b>16STF16-SS</b>             |
|           | 2" - 11 BSPP         | <b>16STBF16</b>  | ---                           |
|           | 2 1/2" - 12 ORB      | <b>16STOF16</b>  | ---                           |



steel



316 stainless



## ST-Series Hydraulic Couplings

## Hydraulic Fittings

## Snap-Tite 71 Female Threaded Plugs



steel



316 stainless

| Body Size | Threads          | Steel<br>Part # | 316 Stainless Steel<br>Part # |
|-----------|------------------|-----------------|-------------------------------|
| 1/4"      | 1/4" - 18 NPTF   | <b>ST2F2</b>    | <b>ST2F2-SS</b>               |
|           | 1/4" - 19 BSPP   | <b>ST2BF2</b>   | <b>ST2BF2-SS</b>              |
| 3/8"      | 1/4" - 18 NPTF   | <b>ST3F2</b>    | ---                           |
|           | 3/8" - 18 NPTF   | <b>ST3F3</b>    | <b>ST3F3-SS</b>               |
|           | 3/8" - 19 BSPP   | <b>ST3BF3</b>   | <b>ST3BF3-SS</b>              |
|           | 1/2" - 14 NPTF   | <b>ST3F4</b>    | <b>ST3F4-SS</b>               |
|           | 1/2" - 14 BSPP   | <b>ST3BF4</b>   | <b>ST3BF4-SS</b>              |
| 1/2"      | 1/2" - 14 NPTF   | <b>ST4F4</b>    | <b>ST4F4-SS</b>               |
|           | 1/2" - 14 BSPP   | <b>ST4BF4</b>   | <b>ST4BF4-SS</b>              |
|           | 3/4" - 16 ORB    | <b>ST4OF4</b>   | ---                           |
| 3/4"      | 3/4" - 14 NPTF   | <b>ST6F6</b>    | <b>ST6F6-SS</b>               |
|           | 3/4" - 14 BSPP   | <b>ST6BF6</b>   | <b>ST6BF6-SS</b>              |
|           | 1-1/16" - 12 ORB | <b>ST6OF6</b>   | ---                           |
| 1"        | 1" - 11½ NPTF    | <b>ST8F8</b>    | <b>ST8F8-SS</b>               |
|           | 1" - 11 BSPP     | <b>ST8BF8</b>   | <b>ST8BF8-SS</b>              |
|           | 1-5/16" - 12 ORB | <b>ST8OF8</b>   | ---                           |
|           | 1¼" - 11½ NPTF   | <b>ST8F10</b>   | <b>ST8F10-SS</b>              |
|           | 1¼" - 11 BSPP    | <b>ST8BF10</b>  | <b>ST8BF10-SS</b>             |
|           | 1½" - 12 ORB     | <b>ST8OF10</b>  | ---                           |

## Snap-Tite 71 Old Style Female Threaded Plugs



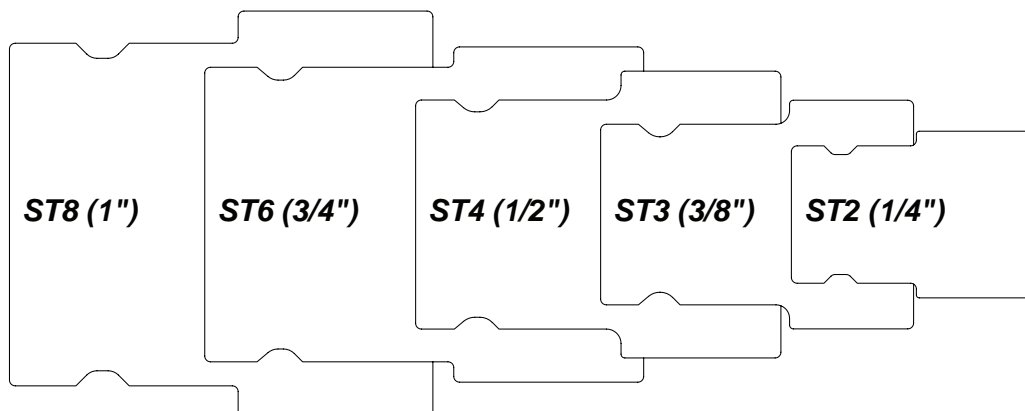
steel



316 stainless

| Body Size | Threads         | Steel<br>Part #  | 316 Stainless Steel<br>Part # |
|-----------|-----------------|------------------|-------------------------------|
| 1"        | 1" - 11½ NPTF   | <b>ST8F8-V2</b>  | ---                           |
|           | 1" - 11 BSPP    | <b>ST8BF8-V2</b> | ---                           |
|           | 1¼" - 11½ NPTF  | <b>ST8F10-V2</b> | ---                           |
| 2"        | 1½" - 11½ NPTF  | <b>ST16F12</b>   | ---                           |
|           | 1½" - 11 BSPP   | <b>ST16BF12</b>  | ---                           |
|           | 1-7/8" - 12 ORB | <b>ST16OF12</b>  | ---                           |
|           | 2" - 11½ NPTF   | <b>ST16F16</b>   | <b>ST16F16-SS</b>             |
|           | 2" - 11 BSPP    | <b>ST16BF16</b>  | ---                           |
|           | 2½" - 12 ORB    | <b>ST16OF16</b>  | ---                           |

## Plug Profiles



## ST-Series Hydraulic Couplings

## Dust Plugs

| Body Size | Aluminum body with steel cable<br>Part # |
|-----------|--|
| 1/4"      | <b>2STDP-A</b>                           |
| 3/8"      | <b>3STDP-A</b>                           |
| 1/2"      | <b>4STDP-A</b>                           |
| 3/4"      | <b>6STDP-A</b>                           |
| 1"        | <b>8STDP-A</b>                           |
| 1"        | <b>8STDP-A-V2</b>                        |
| 2"        | <b>16STDP-A</b>                          |



## Dust Caps

| Body Size | Aluminum body with steel cable<br>Part # |
|-----------|--|
| 1/4"      | <b>ST2DC-A</b>                           |
| 3/8"      | <b>ST3DC-A</b>                           |
| 1/2"      | <b>ST4DC-A</b>                           |
| 3/4"      | <b>ST6DC-A</b>                           |
| 1"        | <b>ST8DC-A</b>                           |
| 1"        | <b>ST8DC-A-V2</b>                        |
| 2"        | <b>ST16DC-A</b>                          |



## Snap-Tite 71 Bulkhead Kits

| Body Size | Mounting Hole ID | Seal Kit Contents        | Steel<br>Part # |
|-----------|------------------|--------------------------|-----------------|
| 1/4"      | 1.250"           | two 360° retaining rings | <b>2ST-BMK</b>  |
| 3/8"      | 1.625"           | two 360° retaining rings | <b>3ST-BMK</b>  |
| 1/2"      | 2.000"           | two 360° retaining rings | <b>4ST-BMK</b>  |
| 3/4"      | 2.375"           | two 360° retaining rings | <b>6ST-BMK</b>  |

## Snap-Tite 71 Coupler Seal Kits

| Body Size | Coupler Style | Seal Kit Contents                        | Nitrile<br>Part #  |
|-----------|---------------|--|--------------------|
| 1/4"      | all           | two seals and anti-extrusion rings       | <b>2ST-SKIT</b>    |
| 3/8"      | all           | two seals and anti-extrusion rings       | <b>3ST-SKIT</b>    |
| 1/2"      | all           | two seals and anti-extrusion rings       | <b>4ST-SKIT</b>    |
| 3/4"      | all           | two seals and anti-extrusion rings       | <b>6ST-SKIT</b>    |
| 1"        | all           | two seals and anti-extrusion rings       | <b>8ST-SKIT</b>    |
| 1"        | all           | three seals and two anti-extrusion rings | <b>8ST-SKIT-V2</b> |
| 2"        | all           | three seals and two anti-extrusion rings | <b>16ST-SKIT</b>   |

## Snap-Tite 71 Plug Seal Kits

| Body Size | Coupler Style | Seal Kit Contents                         | Nitrile<br>Part # |
|-----------|---------------|---|-------------------|
| 1/4"      | all           | valve O-ring / back-up and adapter O-ring | <b>ST2-SKIT</b>   |
| 3/8"      | all           | valve O-ring / back-up and adapter O-ring | <b>ST3-SKIT</b>   |
| 1/2"      | all           | valve O-ring / back-up and adapter O-ring | <b>ST4-SKIT</b>   |
| 3/4"      | all           | valve O-ring / back-up and adapter O-ring | <b>ST6-SKIT</b>   |
| 1"        | all           | valve O-ring / back-up and adapter O-ring | <b>ST8-SKIT</b>   |
| 2"        | all           | main valve seal                           | <b>ST16-SKIT</b>  |

## PD-Series Diagnostic Interchange Couplings

**Features:**

- interchangeable with ISO15171-1, Parker PD-Series, Aeroquip FD90, Tomco Series DK
- steel componentry is plated using ROHS Compliant Trivalent Chrome
- PTFE anti-extrusion ring protects main coupler O-ring from dynamic impulse pressure damage
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- pressure rating **6000 PSI at 70°F (21°C)**

**Female NPT Couplers**

| Body Size | Threads       | Steel Part # |
|-----------|---------------|--------------|
| 1/8"      | 1/8" - 27 NPT | <b>1PDF1</b> |
|           | 1/4" - 18 NPT | <b>1PDF2</b> |

**Male NPT Couplers**

| Body Size | Threads       | Steel Part # |
|-----------|---------------|--------------|
| 1/8"      | 1/4" - 18 NPT | <b>1PDM2</b> |

**Female NPT Plugs**

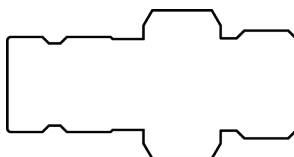
| Body Size | Threads       | Steel Part # |
|-----------|---------------|--------------|
| 1/8"      | 1/8" - 27 NPT | <b>PD1F1</b> |
|           | 1/4" - 18 NPT | <b>PD1F2</b> |

**Male Threaded Plugs**

| Body Size | Threads        | Steel Part #  |
|-----------|----------------|---------------|
| 1/8"      | 1/8" - 27 NPT  | <b>PD1M1</b>  |
|           | 1/4" - 18 NPT  | <b>PD1M2</b>  |
|           | 7/16" - 20 ORB | <b>PD1OM2</b> |
|           | 9/16" - 18 ORB | <b>PD1OM3</b> |

**Dust Caps**

| Body Size | Nitrile Part # |
|-----------|----------------|
| 1/8"      | <b>H1DC</b>    |

**Plug Profile**

## VEP-Series Hydraulic Couplings

**Features:**

- no-spill, flush face valve minimizes air inclusion during connection and spillage during disconnection
- thread-to-connect design and dual valve system in the plug allow for connecting under pressure
- design eliminates premature wear or brinelling commonly found with locking ball designs when subjected to high impulse pressures
- Zinc nickel plating provides superior corrosion resistance
- interchangeable with Parker FET, Stucchi VEP, DNP PST 4/FSI, Holmbury HFT
- Contact Dixon® for pressure ratings and other technical information.

**Female Threaded Couplers**

| Body Size | Threads              | Steel<br>Part #  |
|-----------|----------------------|------------------|
| 1/4"      | 1/4" - 18 NPTF       | <b>2VEPF2</b>    |
|           | 1/4" - 19 BSPP       | <b>2VEPBF2</b>   |
|           | 9/16" - 18 ORB       | <b>2VEPOF3</b>   |
| 3/8"      | 3/8" - 18 NPTF       | <b>3VEPF3</b>    |
|           | 3/8" - 19 BSPP       | <b>3VEPBF3</b>   |
|           | 3/4" - 16 ORB        | <b>3VEPOF4</b>   |
|           | 1/2" - 14 NPTF       | <b>3VEPF4</b>    |
|           | 1/2" - 14 BSPP       | <b>3VEPBF4</b>   |
| 1/2"      | 1/2" - 14 NPTF       | <b>4VEPF4</b>    |
|           | 1/2" - 14 BSPP       | <b>4VEPBF4</b>   |
|           | 3/4" - 16 ORB        | <b>4VEPOF4</b>   |
|           | 7/8" - 14 ORB        | <b>4VEPOF5</b>   |
|           | 3/4" - 14 NPTF       | <b>4VEPF6</b>    |
|           | 3/4" - 14 BSPP       | <b>4VEPBF6</b>   |
|           | 1-1/16" - 12 ORB     | <b>4VEPOF6</b>   |
|           |                      |                  |
| 3/4"      | 3/4" - 14 NPTF       | <b>6VEPF6</b>    |
|           | 3/4" - 14 BSPP       | <b>6VEPBF6</b>   |
|           | 1-1/16" - 12 ORB     | <b>6VEPOF6</b>   |
| 1"        | 1" - 11 1/2 NPTF     | <b>8VEPF8</b>    |
|           | 1" - 11 BSPP         | <b>8VEPBF8</b>   |
|           | 1-5/16" - 12 ORB     | <b>8VEPOF8</b>   |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | <b>10VEPF10</b>  |
|           | 1 1/4" - 11 BSPP     | <b>10VEPBF10</b> |
|           | 1-5/8" - 12 ORB      | <b>10VEPOF10</b> |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | <b>12VEPF12</b>  |
|           | 1 1/2" - 11 BSPP     | <b>12VEPBF12</b> |
|           | 1-7/8" - 12 ORB      | <b>12VEPOF12</b> |
| 2"        | 2" - 11 1/2 NPTF     | <b>16VEPF16</b>  |
|           | 2" - 11 BSPP         | <b>16VEPBF16</b> |
|           | 2 1/2" - 12 ORB      | <b>16VEPOF16</b> |



## VEP-Series Hydraulic Couplings



## Female Threaded Plugs

| Body Size | Threads              | Steel Part #     |
|-----------|----------------------|------------------|
| 1/4"      | 1/4" - 18 NPTF       | <b>VEP2F2</b>    |
|           | 1/4" - 19 BSPP       | <b>VEP2BF2</b>   |
|           | 9/16" - 18 ORB       | <b>VEP2OF3</b>   |
| 3/8"      | 3/8" - 18 NPTF       | <b>VEP3F3</b>    |
|           | 3/8" - 19 BSPP       | <b>VEP3BF3</b>   |
|           | 3/4" - 16 ORB        | <b>VEP3OF4</b>   |
|           | 1/2" - 14 NPTF       | <b>VEP3F4</b>    |
|           | 1/2" - 14 BSPP       | <b>VEP3BF4</b>   |
| 1/2"      | 1/2" - 14 NPTF       | <b>VEP4F4</b>    |
|           | 1/2" - 14 BSPP       | <b>VEP4BF4</b>   |
|           | 3/4" - 16 ORB        | <b>VEP4OF4</b>   |
|           | 7/8" - 14 ORB        | <b>VEP4OF5</b>   |
|           | 3/4" - 14 NPTF       | <b>VEP4F6</b>    |
|           | 3/4" - 14 BSPP       | <b>VEP4BF6</b>   |
|           | 1-1/16" - 12 ORB     | <b>VEP4OF6</b>   |
|           |                      |                  |
| 3/4"      | 3/4" - 14 NPTF       | <b>VEP6F6</b>    |
|           | 3/4" - 14 BSPP       | <b>VEP6BF6</b>   |
|           | 1-1/16" - 12 ORB     | <b>VEP6OF6</b>   |
| 1"        | 1" - 11 1/2 NPTF     | <b>VEP8F8</b>    |
|           | 1" - 11 BSPP         | <b>VEP8BF8</b>   |
|           | 1-5/16" - 12 ORB     | <b>VEP8OF8</b>   |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | <b>VEP10F10</b>  |
|           | 1 1/4" - 11 BSPP     | <b>VEP10BF10</b> |
|           | 1-5/8" - 12 ORB      | <b>VEP10OF10</b> |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | <b>VEP12F12</b>  |
|           | 1 1/2" - 11 BSPP     | <b>VEP12BF12</b> |
|           | 1-7/8" - 12 ORB      | <b>VEP12OF12</b> |
| 2"        | 2" - 11 1/2 NPTF     | <b>VEP16F16</b>  |
|           | 2" - 11 BSPP         | <b>VEP16BF16</b> |
|           | 2 1/2" - 12 ORB      | <b>VEP16OF16</b> |

## Dust Plugs



| Body Size | Aluminum body with steel cable Part # |
|-----------|---------------------------------------|
| 1/4"      | <b>2VEPDP-A</b>                       |
| 3/8"      | <b>3VEPDP-A</b>                       |
| 1/2"      | <b>4VEPDP-A</b>                       |
| 3/4"      | <b>6VEPDP-A</b>                       |
| 1"        | <b>8VEPDP-A</b>                       |
| 1 1/4"    | <b>10VEPDP-A</b>                      |
| 1 1/2"    | <b>12VEPDP-A</b>                      |
| 2"        | <b>16VEPDP-A</b>                      |

## Dust Caps



| Body Size | Aluminum body with steel cable Part # |
|-----------|---------------------------------------|
| 1/4"      | <b>VEP2DC-A</b>                       |
| 3/8"      | <b>VEP3DC-A</b>                       |
| 1/2"      | <b>VEP4DC-A</b>                       |
| 3/4"      | <b>VEP6DC-A</b>                       |
| 1"        | <b>VEP8DC-A</b>                       |
| 1 1/4"    | <b>VEP10DC-A</b>                      |
| 1 1/2"    | <b>VEP12DC-A</b>                      |
| 2"        | <b>VEP16DC-A</b>                      |

## VEP-Series Hydraulic Couplings

## Code 62 Flange Head Coupler

| Body Size | Port Size | Steel Part #     |
|-----------|-----------|------------------|
| 3/4"      | 3/4"      | <b>6VEPFH6</b>   |
| 1"        | 1"        | <b>8VEPFH8</b>   |
| 1 1/4"    | 1 1/4"    | <b>10VEPFH10</b> |
| 1 1/2"    | 1 1/2"    | <b>12VEPFH12</b> |
| 2"        | 2"        | <b>16VEPFH16</b> |



flange head coupler

Hydraulic Fittings

## Code 62 Flange Head Plug

| Body Size | Port Size | Steel Part #     |
|-----------|-----------|------------------|
| 3/4"      | 3/4"      | <b>VEP6FH6</b>   |
| 1"        | 1"        | <b>VEP8FH8</b>   |
| 1 1/4"    | 1 1/4"    | <b>VEP10FH10</b> |
| 1 1/2"    | 1 1/2"    | <b>VEP12FH12</b> |
| 2"        | 2"        | <b>VEP16FH16</b> |



flange head plug

## Code 62 Flange Pad Coupler

| Body Size | Port Size | Steel Part #     |
|-----------|-----------|------------------|
| 3/4"      | 3/4"      | <b>6VEFPF6</b>   |
| 1"        | 1"        | <b>8VEFPF8</b>   |
| 1 1/4"    | 1 1/4"    | <b>10VEFPF10</b> |
| 1 1/2"    | 1 1/2"    | <b>12VEFPF12</b> |
| 2"        | 2"        | <b>16VEFPF16</b> |



flange pad coupler

H

## Code 62 Flange Pad Plug

| Body Size | Port Size | Steel Part #     |
|-----------|-----------|------------------|
| 3/4"      | 3/4"      | <b>VEP6FP6</b>   |
| 1"        | 1"        | <b>VEP8FP8</b>   |
| 1 1/4"    | 1 1/4"    | <b>VEP10FP10</b> |
| 1 1/2"    | 1 1/2"    | <b>VEP12FP12</b> |
| 2"        | 2"        | <b>VEP16FP16</b> |



flange pad plug



VEP-BOP Series Hydraulic Couplings

- Features:**
- red powder coated components and external O-rings for easy BOP service identification
  - steel components are plated using ROHS compliant zinc nickel
  - blow-out preventer (BOP) coupling critical seals are severe service FKM
  - interchangeable with VEP/VEP-HD Series, DNP FSI-BOP Series
  - pressure rating **5000 PSI at 70°F (21°C)**
  - BOP couplings have been fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D. Certificate available upon request.



Female Threaded Couplers

| Body Size | Threads        | Steel<br>Part #     |
|-----------|----------------|---------------------|
| 3/8"      | 3/8" - 18 NPTF | <b>3VEPF3-BOP</b>   |
| 1/2"      | 1/2" - 14 NPTF | <b>4VEPF4-BOP</b>   |
| 3/4"      | 3/4" - 14 NPTF | <b>6VEPF6-BOP</b>   |
| 1"        | 1" - 11½ NPTF  | <b>8VEPF8-BOP</b>   |
| 1¼"       | 1¼" - 11½ NPTF | <b>10VEPF10-BOP</b> |
| 1½"       | 1½" - 11½ NPTF | <b>12VEPF12-BOP</b> |



Female Threaded Plugs

| Body Size | Threads        | Steel<br>Part #     |
|-----------|----------------|---------------------|
| 3/8"      | 3/8" - 18 NPTF | <b>VEP3F3-BOP</b>   |
| 1/2"      | 1/2" - 14 NPTF | <b>VEP4F4-BOP</b>   |
| 3/4"      | 3/4" - 14 NPTF | <b>VEP6F6-BOP</b>   |
| 1"        | 1" - 11½ NPTF  | <b>VEP8F8-BOP</b>   |
| 1¼"       | 1¼" - 11½ NPTF | <b>VEP10F10-BOP</b> |
| 1½"       | 1½" - 11½ NPTF | <b>VEP12F12-BOP</b> |

## W-Series Hydraulic Couplings

**Applications:**

- Designed for applications requiring a coupling that can be connected under residual pressure with minimum spillage and air inclusion. Widely used on dump trailer wet-line hydraulic systems and oil field equipment. Not recommended for continuous hydraulic impulse applications.

**Features:**

- interchangeable with Aeroquip 5100 series, Parker 6100 series and Snap-Tite 78 series
- nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F** (**-40°C to 121°C**)
- Contact Dixon® for pressure ratings and other technical information.

**Female Threaded Couplers**

| Body Size | Threads              | Previous Part # | Brass Part #     | Steel Part # |
|-----------|----------------------|-----------------|------------------|--------------|
| 1/4"      | 1/8" - 27 NPTF       | ---             | <b>2WF1-B</b>    | ---          |
| 3/8"      | 1/4" - 18 NPTF       | ---             | <b>3WF2-B</b>    | ---          |
|           | 3/8" - 18 NPTF       | ---             | <b>3WF3-B</b>    | ---          |
| 3/4"      | 1/2" - 14 NPTF       | ---             | <b>6WF4-B</b>    | ---          |
|           | 1/2" - 14 BSPP       | ---             | <b>6WBF4-B</b>   | ---          |
|           | 3/4" - 14 NPTF       | 78-600          | <b>6WF6-B</b>    | ---          |
|           | 3/4" - 14 BSPP       | ---             | <b>6WBF6-B</b>   | ---          |
| 1"        | 1" - 11 1/2 NPTF     | 78-800          | <b>8WF8-B</b>    | <b>8WF8</b>  |
|           | 1" - 11 BSPP         | ---             | <b>8WBF8-B</b>   | ---          |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | 78-1000         | <b>10WF10-B</b>  | ---          |
|           | 1 1/4" - 11 BSPP     | ---             | <b>10WBF10-B</b> | ---          |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | 78-1200         | <b>12WF12-B</b>  | ---          |
|           | 1 1/2" - 11 BSPP     | ---             | <b>12WBF12-B</b> | ---          |



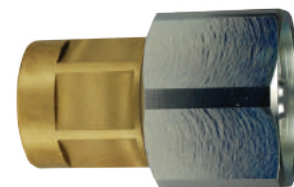
brass



steel

**Hex-Nut Female Threaded Couplers**

| Body Size | Threads              | Brass Part #        | Steel Part #   |
|-----------|----------------------|---------------------|----------------|
| 1/4"      | 1/8" - 27 NPTF       | <b>2WF1-B-HN</b>    | ---            |
| 3/8"      | 1/4" - 18 NPTF       | <b>3WF2-B-HN</b>    | ---            |
|           | 3/8" - 18 NPTF       | <b>3WF3-B-HN</b>    | ---            |
| 3/4"      | 1/2" - 14 NPTF       | <b>6WF4-B-HN</b>    | ---            |
|           | 1/2" - 14 BSPP       | <b>6WBF4-B-HN</b>   | ---            |
|           | 3/4" - 14 NPTF       | <b>6WF6-B-HN</b>    | ---            |
|           | 3/4" - 14 BSPP       | <b>6WBF6-B-HN</b>   | ---            |
| 1"        | 1" - 11 1/2 NPTF     | <b>8WF8-B-HN</b>    | <b>8WF8-HN</b> |
|           | 1" - 11 BSPP         | <b>8WBF8-B-HN</b>   | ---            |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | <b>10WF10-B-HN</b>  | ---            |
|           | 1 1/4" - 11 BSPP     | <b>10WBF10-B-HN</b> | ---            |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | <b>12WF12-B-HN</b>  | ---            |
|           | 1 1/2" - 11 BSPP     | <b>12WBF12-B-HN</b> | ---            |



brass



steel

## W-Series Hydraulic Couplings

## Hydraulic Fittings



brass



steel

## Female Threaded Plugs

| Body Size | Threads  | Previous Part # | Brass Part #   | Steel Part #       |
|-----------|--|-----------------|--|--------------------|
| 1/4"      | 1/8" - 27 NPTF   | ---             | <b>W2F1-B</b>  | ---                |
| 3/8"      | 1/4" - 18 NPTF<br>3/8" - 18 NPTF                                     | ---             | <b>W3F2-B</b><br><b>W3F3-B</b>                                     | ---                |
| 3/4"      | 1/2" - 14 NPTF<br>1/2" - 14 BSPP<br>3/4" - 14 NPTF<br>3/4" - 14 BSPP | ---             | <b>W6F4-B</b><br><b>W6BF4-B</b><br><b>W6F6-B</b><br><b>W6BF6-B</b> | ---                |
| 1"        | 1" - 11 1/2 NPTF<br>1" - 11 BSPP                                     | 79-600<br>---   | <b>W8F8-B</b><br><b>W8BF8-B</b>                                    | <b>W8F8</b><br>--- |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF<br>1 1/4" - 11 BSPP                             | 79-1000<br>---  | <b>W10F10-B</b><br><b>W10BF10-B</b>                                | ---                |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF<br>1 1/2" - 11 BSPP                             | 79-1200<br>---  | <b>W12F12-B</b><br><b>W12BF12-B</b>                                | ---                |

## Flanges



| Body Size | Bolt Hole Size | Previous Part # | Steel Part #   |
|-----------|----------------|-----------------|----------------|
| 3/4"      | 0.201"         | 77-600          | <b>W6-BMF</b>  |
| 1"        | 0.201"         | 77-800          | <b>W8-BMF</b>  |
| 1 1/4"    | 0.201"         | 77-1000         | <b>W10-BMF</b> |
| 1 1/2"    | 0.201"         | 77-1200         | <b>W12-BMF</b> |

## Dust Plugs



| Body Size | Previous Part # | Steel body with steel cable Part # |
|-----------|-----------------|------------------------------------|
| 1/4"      | ---             | <b>2WDP</b>                        |
| 3/8"      | ---             | <b>3WDP</b>                        |
| 3/4"      | 78-006          | <b>6WDP</b>                        |
| 1"        | 78-008          | <b>8WDP</b>                        |
| 1 1/4"    | 78-010          | <b>10WDP</b>                       |
| 1 1/2"    | 78-012          | <b>12WDP</b>                       |

## Dust Caps



| Body Size | Previous Part # | Steel body with steel cable Part # |
|-----------|-----------------|------------------------------------|
| 1/4"      | ---             | <b>W2DC</b>                        |
| 3/8"      | ---             | <b>W3DC</b>                        |
| 3/4"      | 79-006          | <b>W6DC</b>                        |
| 1"        | 79-008          | <b>W8DC</b>                        |
| 1 1/4"    | 79-010          | <b>W10DC</b>                       |
| 1 1/2"    | 79-012          | <b>W12DC</b>                       |

W-Series Hydraulic Couplings

Coupler Repair Kits

| Body Size | Coupler Style | Seal Kit Contents                      | Nitrile Part #     |
|-----------|---------------|--|--------------------|
| 3/4"      | all           | bonded valve, O-rings, and PTFE backup | <b>6W-RKIT-V2</b>  |
| 1"        | all           | bonded valve, O-rings, and PTFE backup | <b>8W-RKIT-V2</b>  |
| 1 1/4"    | all           | bonded valve, O-rings, and PTFE backup | <b>10W-RKIT-V2</b> |
| 1 1/2"    | all           | bonded valve, O-rings, and PTFE backup | <b>12W-RKIT-V2</b> |



Hydraulic Fittings

Plug Repair Kits

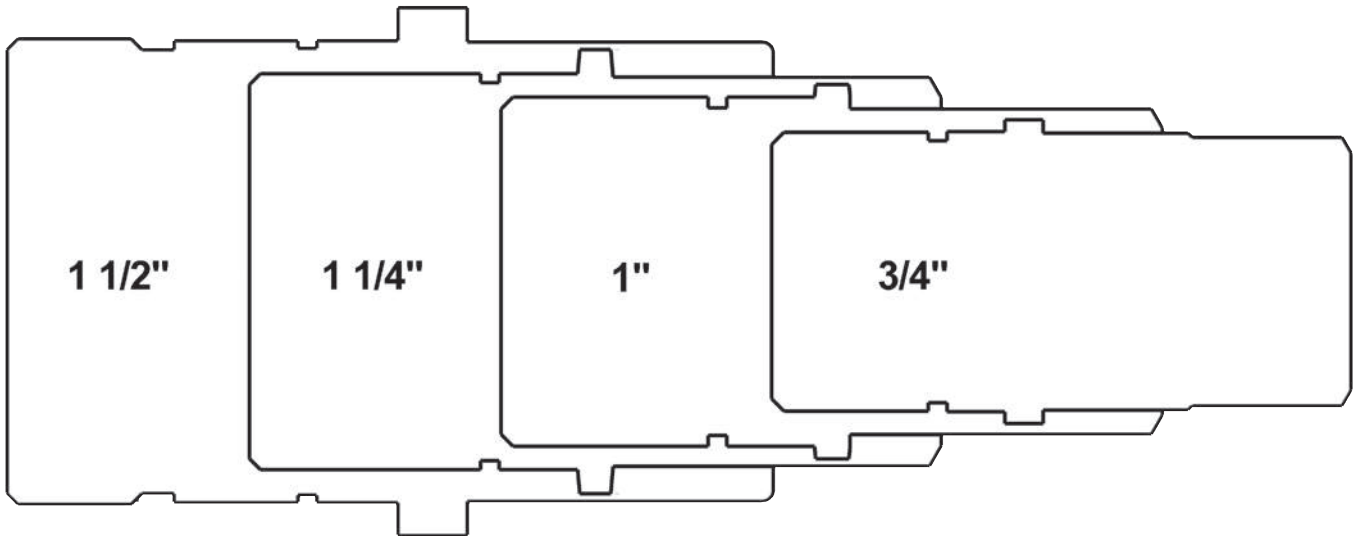
| Body Size | Coupler Style | Seal Kit Contents         | Nitrile Part #     |
|-----------|---------------|---------------------------|--------------------|
| 3/4"      | all           | valve assembly and O-ring | <b>W6-RKIT-V2</b>  |
| 1"        | all           | valve assembly and O-ring | <b>W8-RKIT-V2</b>  |
| 1 1/4"    | all           | valve assembly and O-ring | <b>W10-RKIT-V2</b> |
| 1 1/2"    | all           | valve assembly and O-ring | <b>W12-RKIT-V2</b> |



Profiles

Industry/Competitor Interchange

Aeroquip 5100  
Parker 6100



## WS-Series Hydraulic Couplings

**Application:**

- used extensively in oil field and off shore oil rig applications

**Features:**

- interchanges with Snap-Tite 75 series
- Nitrile (Buna-N) seals standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for pressure ratings and other technical information.

**High Pressure Wingstyle Female Threaded Couplers**

steel



316 stainless

| Body Size | Threads          | Steel<br>Part # | 316 Stainless Steel<br>Part # |
|-----------|------------------|-----------------|-------------------------------|
| ¾"        | ½" - 14 NPTF     | <b>6WSF4</b>    | ---                           |
|           | ¾" - 14 NPTF     | <b>6WSF6</b>    | <b>6WSF6-SS</b>               |
|           | ¾" - 14 BSPP     | <b>6WSBF6</b>   | <b>6WSBF6-SS</b>              |
|           | 1-1/16" - 12 ORB | <b>6WSOF6</b>   | ---                           |
| 1"        | 1" - 11½ NPTF    | <b>8WSF8</b>    | <b>8WSF8-SS</b>               |
|           | 1" - 11 BSPP     | <b>8WSBF8</b>   | <b>8WSBF8-SS</b>              |
|           | 1-5/16" - 12 ORB | <b>8WSOF8</b>   | ---                           |
| 1¼"       | 1¼" - 11½ NPTF   | <b>10WSF10</b>  | <b>10WSF10-SS</b>             |
|           | 1¼" - 11 BSPP    | <b>10WSBF10</b> | <b>10WSBF10-SS</b>            |
|           | 1⅝" - 12 ORB     | <b>10WSOF10</b> | ---                           |
| 1½"       | 1½" - 11½ NPTF   | <b>12WSF12</b>  | <b>12WSF12-SS</b>             |
|           | 1½" - 11 BSPP    | <b>12WSBF12</b> | <b>12WSBF12-SS</b>            |
|           | 1⅞" - 12 ORB     | <b>12WSOF12</b> | ---                           |
| 2"        | 2" - 11½ NPTF    | <b>16WSF16</b>  | <b>16WSF16-SS</b>             |
|           | 2" - 11 BSPP     | <b>16WSBF16</b> | <b>16WSBF16-SS</b>            |
|           | 2½" - 12 ORB     | <b>16WSOF16</b> | ---                           |

**High Pressure Wingstyle Female Threaded Plugs**

steel



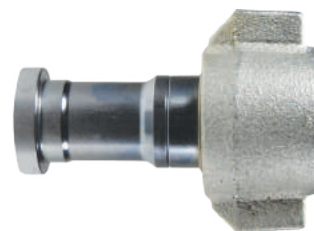
316 stainless

| Body Size | Threads          | Steel<br>Part # | 316 Stainless Steel<br>Part # |
|-----------|------------------|-----------------|-------------------------------|
| ¾"        | ½" - 14 NPTF     | <b>WS6F4</b>    | ---                           |
|           | ¾" - 14 NPTF     | <b>WS6F6</b>    | <b>WS6F6-SS</b>               |
|           | ¾" - 14 BSPP     | <b>WS6BF6</b>   | <b>WS6BF6-SS</b>              |
|           | 1-1/16" - 12 ORB | <b>WS6OF6</b>   | ---                           |
| 1"        | 1" - 11½ NPTF    | <b>WS8F8</b>    | <b>WS8F8-SS</b>               |
|           | 1" - 11 BSPP     | <b>WS8BF8</b>   | <b>WS8BF8-SS</b>              |
|           | 1-5/16" - 12 ORB | <b>WS8OF8</b>   | ---                           |
| 1¼"       | 1¼" - 11½ NPTF   | <b>WS10F10</b>  | <b>WS10F10-SS</b>             |
|           | 1¼" - 11 BSPP    | <b>WS10BF10</b> | <b>WS10BF10-SS</b>            |
|           | 1⅝" - 12 ORB     | <b>WS10OF10</b> | ---                           |
| 1½"       | 1½" - 11½ NPTF   | <b>WS12F12</b>  | <b>WS12F12-SS</b>             |
|           | 1½" - 11 BSPP    | <b>WS12BF12</b> | <b>WS12BF12-SS</b>            |
|           | 1⅞" - 12 ORB     | <b>WS12OF12</b> | ---                           |
| 2"        | 2" - 11½ NPTF    | <b>WS16F16</b>  | <b>WS16F16-SS</b>             |
|           | 2" - 11 BSPP     | <b>WS16BF16</b> | <b>WS16BF16-SS</b>            |
|           | 2½" - 12 ORB     | <b>WS16OF16</b> | ---                           |

## WS-Series Hydraulic Couplings

## High Pressure Wingstyle Code 62 Flange Head Coupler

| Body Size | Port Size | Steel Part #    |
|-----------|-----------|-----------------|
| 3/4"      | 3/4"      | <b>6WSFH6</b>   |
| 1"        | 1"        | <b>8WSFH8</b>   |
| 1 1/4"    | 1 1/4"    | <b>10WSFH10</b> |
| 1 1/2"    | 1 1/2"    | <b>12WSFH12</b> |
| 2"        | 2"        | <b>16WSFH16</b> |



Hydraulic Fittings

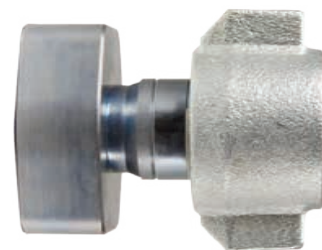
## High Pressure Wingstyle Code 62 Flange Head Plug

| Body Size | Port Size | Steel Part #    |
|-----------|-----------|-----------------|
| 3/4"      | 3/4"      | <b>WS6FH6</b>   |
| 1"        | 1"        | <b>WS8FH8</b>   |
| 1 1/4"    | 1 1/4"    | <b>WS10FH10</b> |
| 1 1/2"    | 1 1/2"    | <b>WS12FH12</b> |
| 2"        | 2"        | <b>WS16FH16</b> |



## High Pressure Wingstyle Code 62 Flange Pad Coupler

| Body Size | Port Size | Steel Part #    |
|-----------|-----------|-----------------|
| 3/4"      | 3/4"      | <b>6WSFP6</b>   |
| 1"        | 1"        | <b>8WSFP8</b>   |
| 1 1/4"    | 1 1/4"    | <b>10WSFP10</b> |
| 1 1/2"    | 1 1/2"    | <b>12WSFP12</b> |
| 2"        | 2"        | <b>16WSFP16</b> |



## High Pressure Wingstyle Code 62 Flange Pad Plug

| Body Size | Port Size | Steel Part #    |
|-----------|-----------|-----------------|
| 3/4"      | 3/4"      | <b>WS6FP6</b>   |
| 1"        | 1"        | <b>WS8FP8</b>   |
| 1 1/4"    | 1 1/4"    | <b>WS10FP10</b> |
| 1 1/2"    | 1 1/2"    | <b>WS12FP12</b> |
| 2"        | 2"        | <b>WS16FP16</b> |





## WS-Series Hydraulic Couplings

Hydraulic Fittings



## High Pressure Wingstyle Rigid Dust Plugs

| Body Size | Aluminum body with steel cable<br>Part # |
|-----------|--|
| 3/4"      | <b>6WSDP-A</b>                           |
| 1"        | <b>8WSDP-A</b>                           |
| 1 1/4"    | <b>10WSDP-A</b>                          |
| 1 1/2"    | <b>12WSDP-A</b>                          |
| 2"        | <b>16WSDP-A</b>                          |

## High Pressure Wingstyle Rigid Dust Caps



| Body Size | Aluminum body with steel cable<br>Part # |
|-----------|--|
| 3/4"      | <b>WS6DC-A</b>                           |
| 1"        | <b>WS8DC-A</b>                           |
| 1 1/4"    | <b>WS10DC-A</b>                          |
| 1 1/2"    | <b>WS12DC-A</b>                          |
| 2"        | <b>WS16DC-A</b>                          |

## High Pressure Wingstyle Coupler Seal Kits



| Body Size | Coupler Style | Seal Kit Contents                      | Nitrile<br>Part # |
|-----------|---------------|--|-------------------|
| 3/4"      | all           | body / valve seals and retaining rings | <b>6WS-SKIT</b>   |
| 1"        | all           | body / valve seals and retaining rings | <b>8WS-SKIT</b>   |
| 1 1/4"    | all           | body / valve seals and retaining rings | <b>10WS-SKIT</b>  |
| 1 1/2"    | all           | body / valve seals and retaining rings | <b>12WS-SKIT</b>  |
| 2"        | all           | body / valve seals and retaining rings | <b>16WS-SKIT</b>  |

## High Pressure Wingstyle Coupler Repair Kits



| Body Size | Coupler Style | Repair Kit Contents                   | Nitrile<br>Part # |
|-----------|---------------|---------------------------------------|-------------------|
| 3/4"      | all           | valve assembly, O-ring, and PTFE B.U. | <b>6WS-RKIT</b>   |
| 1"        | all           | valve assembly, O-ring, and PTFE B.U. | <b>8WS-RKIT</b>   |
| 1 1/4"    | all           | valve assembly, O-ring, and PTFE B.U. | <b>10WS-RKIT</b>  |
| 1 1/2"    | all           | valve assembly, O-ring, and PTFE B.U. | <b>12WS-RKIT</b>  |
| 2"        | all           | valve assembly, O-ring, and PTFE B.U. | <b>16WS-RKIT</b>  |

## WS-BOP Series Hydraulic Couplings

### Applications:

- designed for use in oil rig BOP systems where couplings are required to operate under fire conditions in an emergency

### Features:

- fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D (Certificate #NAO 0601041/1)
- Contact Dixon® for pressure ratings and other technical information.
- Sleeve is cast using a process that provides better surface finishes, tighter tolerance control, and excellent repeatability.
- Blowout Preventer Couplings are individually marked with the BOP series designation.

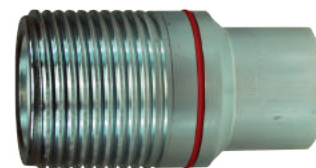
### High Pressure Wingstyle Female Threaded Couplers

| Body Size | Threads                          | Steel<br>Part #                      | 316 Stainless Steel<br>Part # |
|-----------|----------------------------------|--------------------------------------|-------------------------------|
| 3/4"      | 1/2" - 14 NPTF<br>3/4" - 14 NPTF | <b>6WSF4-BOP</b><br><b>6WSF6-BOP</b> | ---<br><b>6WSF6-SS-BOP</b>    |
| 1"        | 1" - 11 1/2 NPTF                 | <b>8WSF8-BOP</b>                     | <b>8WSF8-SS-BOP</b>           |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF             | <b>10WSF10-BOP</b>                   | <b>10WSF10-SS-BOP</b>         |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF             | <b>12WSF12-BOP</b>                   | <b>12WSF12-SS-BOP</b>         |
| 2"        | 2" - 11 1/2 NPTF                 | <b>16WSF16-BOP</b>                   | <b>16WSF16-SS-BOP</b>         |



### High Pressure Wingstyle Female Threaded Plugs

| Body Size | Threads                          | Steel<br>Part #                      | 316 Stainless Steel<br>Part # |
|-----------|----------------------------------|--------------------------------------|-------------------------------|
| 3/4"      | 1/2" - 14 NPTF<br>3/4" - 14 NPTF | <b>WS6F4-BOP</b><br><b>WS6F6-BOP</b> | ---<br><b>WS6F6-SS-BOP</b>    |
| 1"        | 1" - 11 1/2 NPTF                 | <b>WS8F8-BOP</b>                     | <b>WS8F8-SS-BOP</b>           |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF             | <b>WS10F10-BOP</b>                   | <b>WS10F10-SS-BOP</b>         |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF             | <b>WS12F12-BOP</b>                   | <b>WS12F12-SS-BOP</b>         |
| 2"        | 2" - 11 1/2 NPTF                 | <b>WS16F16-BOP</b>                   | <b>WS16F16-SS-BOP</b>         |



### High Pressure Wingstyle Seal Kits

| Body Size | Coupler<br>Style | Repair Kit Contents                    | FR FKM<br>Part #  |
|-----------|------------------|--|-------------------|
| 3/4"      | all              | body / valve seals and retaining rings | <b>6BOP-SKIT</b>  |
| 1"        | all              | body / valve seals and retaining rings | <b>8BOP-SKIT</b>  |
| 1 1/4"    | all              | body / valve seals and retaining rings | <b>10BOP-SKIT</b> |
| 1 1/2"    | all              | body / valve seals and retaining rings | <b>12BOP-SKIT</b> |
| 2"        | all              | body / valve seals and retaining rings | <b>16BOP-SKIT</b> |



## T-Series Hydraulic Couplings

**Applications:**

- Designed for high pressure applications including hydraulic rams and pumps where low flow and pressures up to 10,000 PSI are encountered.

**Features:**

- interchangeable with Parker 3000 and Enerpac C 604
- nitrile O-ring with TPC-ET back up ring standard providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- both poppet valve and ball valve styles available

**Female NPTF Ball Coupler**

| Body Size | Threads        | Previous Part # | Steel Part # | 316 Stainless Steel Part # |
|-----------|----------------|-----------------|--------------|----------------------------|
| 3/8"      | 3/8" - 18 NPTF | 30-300F         | <b>3TF3</b>  |                            |

**Male NPTF Ball Couplers**

| Body Size | Threads        | Previous Part # | Steel Part # | Threads       | 316 Stainless Steel Part # |
|-----------|----------------|-----------------|--------------|---------------|----------------------------|
| 1/4"      | 1/4" - 18 NPTF | 30-200          | <b>2TM2</b>  | ---           | ---                        |
| 3/8"      | 3/8" - 18 NPTF | 30-300          | <b>3TM3</b>  | 3/8" - 18 NPT | <b>3TM3-SS</b>             |

**Male NPTF Poppet Couplers**

| Body Size | Threads       | Steel Part #   | 316 Stainless Steel Part # |
|-----------|---------------|----------------|----------------------------|
| 3/8"      | 3/8" - 18 NPT | <b>3TM3-PV</b> | <b>3TM3-SS-PV</b>          |

**Female NPTF Ball Plugs**

| Body Size | Threads        | Previous Part # | Steel Part # | Threads       | 316 Stainless Steel Part # |
|-----------|----------------|-----------------|--------------|---------------|----------------------------|
| 1/4"      | 1/4" - 18 NPTF | 31-200          | <b>T2F2</b>  | ---           | ---                        |
| 3/8"      | 3/8" - 18 NPTF | 31-300          | <b>T3F3</b>  | 3/8" - 18 NPT | <b>T3F3-SS</b>             |

**Female NPTF Poppet Plugs**

| Body Size | Threads       | Steel Part #   | 316 Stainless Steel Part # |
|-----------|---------------|----------------|----------------------------|
| 3/8"      | 3/8" - 18 NPT | <b>T3F3-PV</b> | <b>T3F3-SS-PV</b>          |

## T-Series Hydraulic Couplings

## Dust Plugs

| Body Size | Previous Part # | Steel body with rubber lanyard<br>Part # |
|-----------|-----------------|--|
| 1/4"      | 30-200DP        | <b>2TDP</b>                              |
| 3/8"      | 30-300DP        | <b>3TDP</b>                              |



## Dust Caps

| Body Size | Previous Part # | Steel body with steel cable<br>Part # |
|-----------|-----------------|---------------------------------------|
| 1/4"      | 31-200DC        | <b>T2DC</b>                           |
| 3/8"      | 31-300DC        | <b>T3DC</b>                           |



## Ball Coupler Seal Kits

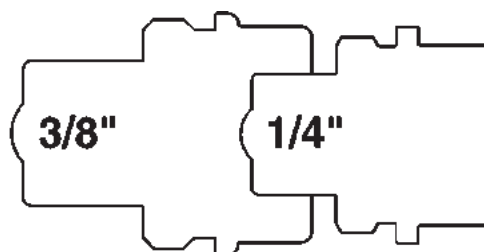
| Body Size | Coupler Style | Seal Kit Contents | Urethane<br>Part # |
|-----------|---------------|-------------------|--------------------|
| 1/4"      | ball valve    | body seal         | <b>2T-SKIT</b>     |
| 3/8"      | ball valve    | body seal         | <b>3T-SKIT</b>     |



## Plug Profiles

Industry/Competitor  
Interchange

Parker 3000  
Enerpac C604



## CVV-Series Hydraulic Couplings

## Features:

- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for pressure ratings and other technical information.
- interchangeable with European Screw-Together, Inteva STG-Series, Faster CVV-Series, DNP PVV3, Voswinkel Type-HS

## European Female Threaded Couplers

| Body Size | Threads              | Steel Part #      |
|-----------|----------------------|-------------------|
| 1/4"      | 1/4" - 18 NPTF       | <b>2CVVF2</b>     |
|           | 1/4" - 19 BSPP       | <b>2CVVBF2</b>    |
|           | M14X1.5              | <b>2CVVFM1415</b> |
| 3/8"      | 3/8" - 18 NPTF       | <b>3CVVF3</b>     |
|           | 3/8" - 19 BSPP       | <b>3CVVBF3</b>    |
|           | M16X1.5              | <b>3CVVFM1615</b> |
| 1/2"      | 1/2" - 14 NPTF       | <b>4CVVF4</b>     |
|           | 3/4" - 16 ORB        | <b>4CVVOF4</b>    |
|           | 1/2" - 14 BSPP       | <b>4CVVBF4</b>    |
|           | M18X1.5              | <b>4CVVFM1815</b> |
|           | 7/8" - 14 ORB        | <b>4CVVOF5</b>    |
|           | M22X1.5              | <b>4CVVFM2215</b> |
| 3/4"      | 3/4" - 14 NPTF       | <b>6CVVF6</b>     |
|           | 3/4" - 14 BSPP       | <b>6CVVBF6</b>    |
|           | M22X1.5              | <b>6CVVFM2215</b> |
| 1"        | 1" - 11 1/2 NPTF     | <b>8CVVF8</b>     |
|           | 1" - 11 BSPP         | <b>8CVVBF8</b>    |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | <b>10CVVF10</b>   |
|           | 1 1/4" - 11 BSPP     | <b>10CVVBF10</b>  |



## European Female Threaded Plugs

| Body Size | Threads              | Steel Part #      |
|-----------|----------------------|-------------------|
| 1/4"      | 1/4" - 18 NPTF       | <b>CVV2F2</b>     |
|           | 1/4" - 19 BSPP       | <b>CVV2BF2</b>    |
|           | M14X1.5              | <b>CVV2FM1415</b> |
| 3/8"      | 3/8" - 18 NPTF       | <b>CVV3F3</b>     |
|           | 3/8" - 19 BSPP       | <b>CVV3BF3</b>    |
|           | M16X1.5              | <b>CVV3FM1615</b> |
| 1/2"      | 1/2" - 14 NPTF       | <b>CVV4F4</b>     |
|           | 3/4" - 16 ORB        | <b>CVV4OF4</b>    |
|           | 1/2" - 14 BSPP       | <b>CVV4BF4</b>    |
|           | M18X1.5              | <b>CVV4FM1815</b> |
|           | 7/8" - 14 ORB        | <b>CVV4OF5</b>    |
|           | M22X1.5              | <b>CVV4FM2215</b> |
| 3/4"      | 3/4" - 14 NPTF       | <b>CVV6F6</b>     |
|           | 3/4" - 14 BSPP       | <b>CVV6BF6</b>    |
|           | M22X1.5              | <b>CVV6FM2215</b> |
| 1"        | 1" - 11 1/2 NPTF     | <b>CVV8F8</b>     |
|           | 1" - 11 BSPP         | <b>CVV8BF8</b>    |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | <b>CVV10F10</b>   |
|           | 1 1/4" - 11 BSPP     | <b>CVV10BF10</b>  |



## CVV-Series Hydraulic Couplings

## European Dust Plugs

| Body Size | Plastic<br>Part # |
|-----------|-------------------|
| 1/4"      | <b>2CVVDP</b>     |
| 3/8"      | <b>3CVVDP</b>     |
| 1/2"      | <b>4CVVDP</b>     |
| 3/4"      | <b>6CVVDP</b>     |
| 1"        | <b>8CVVDP</b>     |
| 1 1/4"    | <b>10CVVDP</b>    |



Hydraulic Fittings

## European Dust Caps

| Body Size | Plastic<br>Part # |
|-----------|-------------------|
| 1/4"      | <b>CVV2DC</b>     |
| 3/8"      | <b>CVV3DC</b>     |
| 1/2"      | <b>CVV4DC</b>     |
| 3/4"      | <b>CVV6DC</b>     |
| 1"        | <b>CVV8DC</b>     |
| 1 1/4"    | <b>CVV10DC</b>    |





## E-Series Hydraulic Couplings

## Features:

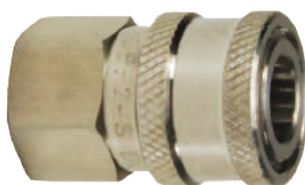
- couplers have no internal valves which provide maximum flow with minimum pressure drop
- nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F**  
(**-40°C to 121°C**)
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.
- interchanges with Parker ST, Hannifin SST/BST, Foster FST, Hansen ST, and Tomco ST couplings
- Do not disconnect with pressure in line.*



## Straight Through Female Threaded Couplers



brass



303 stainless

| Body Size | Threads        | Brass           |                 | 303 Stainless Steel |                 |
|-----------|----------------|-----------------|-----------------|---------------------|-----------------|
|           |                | Previous Part # | Part #          | Previous Part #     | Part #          |
| 1/8"      | 1/8" - 27 NPTF | ---             | <b>1EF1-B</b>   | ---                 | <b>1EF1-S</b>   |
| 1/4"      | 1/4" - 18 NPTF | STFC2           | <b>2EF2-B</b>   | STFC2SS             | <b>2EF2-S</b>   |
|           | 1/4" - 19 BSPP | ---             | <b>2EBF2-B</b>  | ---                 | ---             |
| 3/8"      | 3/8" - 18 NPTF | STFC3           | <b>3EF3-B</b>   | STFC3SS             | <b>3EF3-S</b>   |
|           | 3/8" - 19 BSPP | ---             | <b>3EBF3-B</b>  | ---                 | ---             |
| 1/2"      | 1/2" - 14 NPTF | STFC4           | <b>4EF4-B</b>   | STFC4SS             | <b>4EF4-S</b>   |
|           | 1/2" - 14 BSPP | ---             | <b>4EBF4-B</b>  | ---                 | ---             |
| 3/4"      | 3/4" - 14 NPTF | STFC6           | <b>6EF6-B</b>   | STFC6SS             | <b>6EF6-S</b>   |
|           | 3/4" - 14 BSPP | ---             | <b>6EBF6-B</b>  | ---                 | ---             |
| 1"        | 1" - 11½ NPTF  | STFC8           | <b>8EF8-B</b>   | STFC8SS             | <b>8EF8-S</b>   |
|           | 1" - 11 BSPP   | ---             | <b>8EBF8-B</b>  | ---                 | ---             |
| 1¼"       | 1¼" - 11½ NPTF | STFC10          | <b>10EF10-B</b> | ---                 | <b>10EF10-S</b> |
| 1½"       | 1½" - 11½ NPTF | STFC12          | <b>12EF12-B</b> | ---                 | <b>12EF12-S</b> |
| 2"        | 2" - 11½ NPTF  | STFC16          | <b>16EF16-B</b> | ---                 | <b>16EF16-S</b> |

## Straight Through Male Threaded Couplers



brass



303 stainless

| Body Size | Threads        | Brass           |                 | 303 Stainless Steel |               |
|-----------|----------------|-----------------|-----------------|---------------------|---------------|
|           |                | Previous Part # | Part #          | Previous Part #     | Part #        |
| 1/8"      | 1/8" - 27 NPTF | ---             | <b>1EM1-B</b>   | ---                 | <b>1EM1-S</b> |
| 1/4"      | 1/4" - 18 NPTF | STMC2           | <b>2EM2-B</b>   | STMC2SS             | <b>2EM2-S</b> |
| 3/8"      | 3/8" - 18 NPTF | STMC3           | <b>3EM3-B</b>   | STMC3SS             | <b>3EM3-S</b> |
| 1/2"      | 1/2" - 14 NPTF | STMC4           | <b>4EM4-B</b>   | STMC4SS             | <b>4EM4-S</b> |
| 3/4"      | 3/4" - 14 NPTF | STMC6           | <b>6EM6-B</b>   | STMC6SS             | <b>6EM6-S</b> |
| 1"        | 1" - 11½ NPTF  | STMC8           | <b>8EM8-B</b>   | STMC8SS             | <b>8EM8-S</b> |
| 1¼"       | 1¼" - 11½ NPTF | STMC10          | <b>10EM10-B</b> | ---                 | ---           |
| 1½"       | 1½" - 11½ NPTF | STMC12          | <b>12EM12-B</b> | ---                 | ---           |
| 2"        | 2" - 11½ NPTF  | STMC16          | <b>16EM16-B</b> | ---                 | ---           |

## Straight Through Hose Barb Couplers

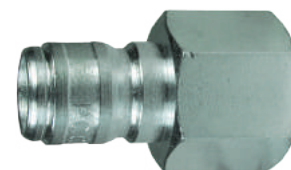


| Body Size | Hose ID | Brass Part #  |
|-----------|---------|---------------|
| 1/4"      | 1/4"    | <b>2ES2-B</b> |
| 3/8"      | 3/8"    | <b>3ES3-B</b> |
| 1/2"      | 1/2"    | <b>4ES4-B</b> |
| 3/4"      | 3/4"    | <b>6ES6-B</b> |
| 1"        | 1"      | <b>8ES8-B</b> |

## E-Series Hydraulic Couplings

## Straight Through Female Threaded Plugs

| Body Size | Threads              | Steel           |               | Brass           |                 |
|-----------|----------------------|-----------------|---------------|-----------------|-----------------|
|           |                      | Previous Part # | Part #        | Previous Part # | Part #          |
| 1/8"      | 1/8" - 27 NPTF       | ---             | <b>E1F1</b>   | ---             | <b>E1F1-B</b>   |
| 1/4"      | 1/4" - 18 NPTF       | STFP2           | <b>E2F2</b>   | STFP2B          | <b>E2F2-B</b>   |
|           | 1/4" - 19 BSPP       | ---             | ---           | ---             | <b>E2BF2-B</b>  |
| 3/8"      | 3/8" - 18 NPTF       | STFP3           | <b>E3F3</b>   | STFP3B          | <b>E3F3-B</b>   |
|           | 3/8" - 19 BSPP       | ---             | ---           | ---             | <b>E3BF3-B</b>  |
| 1/2"      | 1/2" - 14 NPTF       | STFP4           | <b>E4F4</b>   | STFP4B          | <b>E4F4-B</b>   |
|           | 1/2" - 14 BSPP       | ---             | ---           | ---             | <b>E4BF4-B</b>  |
| 3/4"      | 3/4" - 14 NPTF       | ---             | <b>E6F6</b>   | ---             | <b>E6F6-B</b>   |
|           | 3/4" - 14 BSPP       | ---             | ---           | ---             | <b>E6BF6-B</b>  |
| 1"        | 1" - 11 1/2 NPTF     | STFP8           | <b>E8F8</b>   | STFP8B          | <b>E8F8-B</b>   |
|           | 1" - 11 BSPP         | ---             | ---           | ---             | <b>E8BF8-B</b>  |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | STFP10          | <b>E10F10</b> | ---             | <b>E10F10-B</b> |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | STFP12          | <b>E12F12</b> | ---             | <b>E12F12-B</b> |
| 2"        | 2" - 11 1/2 NPTF     | STFP16          | <b>E16F16</b> | ---             | <b>E16F16-B</b> |



steel



brass

| Body Size | Threads              | 303 Stainless Steel |                 |
|-----------|----------------------|---------------------|-----------------|
|           |                      | Previous Part #     | Part #          |
| 1/8"      | 1/8" - 27 NPTF       | ---                 | <b>E1F1-S</b>   |
| 1/4"      | 1/4" - 18 NPTF       | STFP2SS             | <b>E2F2-S</b>   |
| 3/8"      | 3/8" - 18 NPTF       | STFP3SS             | <b>E3F3-S</b>   |
| 1/2"      | 1/2" - 14 NPTF       | STFP4SS             | <b>E4F4-S</b>   |
| 3/4"      | 3/4" - 14 NPTF       | ---                 | <b>E6F6-S</b>   |
| 1"        | 1" - 11 1/2 NPTF     | STFP8SS             | <b>E8F8-S</b>   |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | ---                 | <b>E10F10-S</b> |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | ---                 | <b>E12F12-S</b> |
| 2"        | 2" - 11 1/2 NPTF     | ---                 | <b>E16F16-S</b> |



## Straight Through Male Threaded Plugs

| Body Size | Threads              | Steel           |               | Brass           |                 |
|-----------|----------------------|-----------------|---------------|-----------------|-----------------|
|           |                      | Previous Part # | Part #        | Previous Part # | Part #          |
| 1/8"      | 1/8" - 27 NPTF       | ---             | <b>E1M1</b>   | ---             | <b>E1M1-B</b>   |
| 1/4"      | 1/4" - 18 NPTF       | STMP2           | <b>E2M2</b>   | STMP2B          | <b>E2M2-B</b>   |
| 3/8"      | 3/8" - 18 NPTF       | STMP3           | <b>E3M3</b>   | STMP3B          | <b>E3M3-B</b>   |
| 1/2"      | 1/2" - 14 NPTF       | STMP4           | <b>E4M4</b>   | STMP4B          | <b>E4M4-B</b>   |
| 3/4"      | 3/4" - 14 NPTF       | STMP6           | <b>E6M6</b>   | STMP6B          | <b>E6M6-B</b>   |
| 1"        | 1" - 11 1/2 NPTF     | STMP8           | <b>E8M8</b>   | STMP8B          | <b>E8M8-B</b>   |
| 1 1/4"    | 1 1/4" - 11 1/2 NPTF | STMP10          | <b>E10M10</b> | ---             | <b>E10M10-B</b> |
| 1 1/2"    | 1 1/2" - 11 1/2 NPTF | STMP12          | <b>E12M12</b> | ---             | <b>E12M12-B</b> |
| 2"        | 2" - 11 1/2 NPTF     | STMP16          | <b>E16M16</b> | ---             | <b>E16M16-B</b> |



steel



brass

| Body Size | Threads          | 303 Stainless Steel |               |
|-----------|------------------|---------------------|---------------|
|           |                  | Previous Part #     | Part #        |
| 1/8"      | 1/8" - 27 NPTF   | ---                 | <b>E1M1-S</b> |
| 1/4"      | 1/4" - 18 NPTF   | STMP2SS             | <b>E2M2-S</b> |
| 3/8"      | 3/8" - 18 NPTF   | STMP3SS             | <b>E3M3-S</b> |
| 1/2"      | 1/2" - 14 NPTF   | STMP4SS             | <b>E4M4-S</b> |
| 3/4"      | 3/4" - 14 NPTF   | STMP6SS             | <b>E6M6-S</b> |
| 1"        | 1" - 11 1/2 NPTF | STMP8SS             | <b>E8M8-S</b> |



E-Series Hydraulic Couplings

Hydraulic Fittings



steel



brass

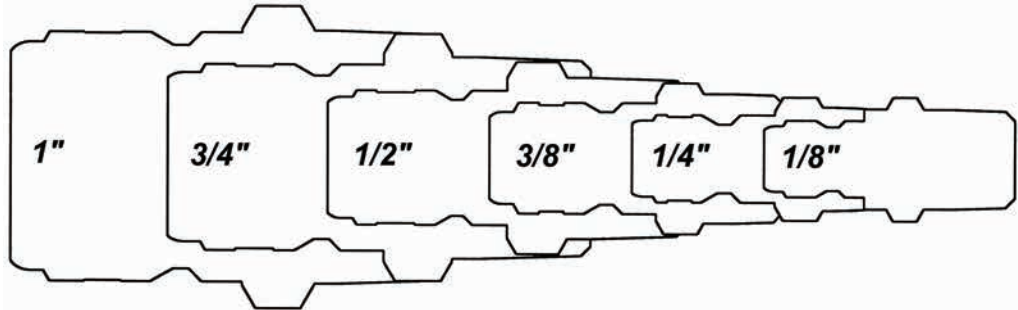
Straight Through Hose Barb Plugs

| Body Size | Hose ID | Steel Part # | Brass Part # |
|-----------|---------|--------------|--------------|
| 1/4"      | 1/4"    | E2S2         | E2S2-B       |
| 3/8"      | 3/8"    | E3S3         | E3S3-B       |
| 1/2"      | 1/2"    | E4S4         | E4S4-B       |
| 3/4"      | 3/4"    | E6S6         | E6S6-B       |
| 1"        | 1"      | E8S8         | E8S8-B       |

Straight Through Coupler Seal Kits

| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # | FKM Part # | EPDM Part # |
|-----------|---------------|-------------------|----------------|------------|-------------|
| 1/4"      | all           | body O-ring       | 2E-SKIT        | F-2E-SKIT  | P-2E-SKIT   |
| 3/8"      | all           | body O-ring       | 3E-SKIT        | F-3E-SKIT  | P-3E-SKIT   |
| 1/2"      | all           | body O-ring       | 4E-SKIT        | F-4E-SKIT  | P-4E-SKIT   |
| 3/4"      | all           | body O-ring       | 6E-SKIT        | F-6E-SKIT  | P-6E-SKIT   |
| 1"        | all           | body O-ring       | 8E-SKIT        | F-8E-SKIT  | P-8E-SKIT   |
| 1 1/4"    | all           | body O-ring       | 10E-SKIT       | F-10E-SKIT | P-10E-SKIT  |
| 1 1/2"    | all           | body O-ring       | 12E-SKIT       | F-12E-SKIT | P-12E-SKIT  |
| 2"        | all           | body O-ring       | 16E-SKIT       | F-16E-SKIT | P-16E-SKIT  |

Plug Profiles



Industry/Competitor Interchange

Foster FST  
Parker ST  
Hansen ST

## EA-Series Hydraulic Couplings

## Features:

- plug mounted sleeve guard protects against accidental disconnection
- smooth bore full-flow design ensures maximum flow with minimal pressure drop
- steel body components maximize service life by resisting the effects of brinelling and internal erosion
- heavy duty knurled sleeve with locking pin provides maximum protection against brinelling and accidental disconnection
- nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F** (**-40°C to 121°C**)
- interchangeable with Parker WB, Aeroquip FD69, and Snap Tite 56
- pressure rating **10000 PSI at 70°F (21°C)**

## Water-Blast Couplers

| Body Size | Female Threads | Steel Part # |
|-----------|----------------|--------------|
| 1/2"      | 3/8" - 18 NPTF | <b>4EAF3</b> |
| 1/2"      | 1/2" - 14 NPTF | <b>4EAF4</b> |



## Water-Blast Plugs

| Body Size | Female Threads | Steel Part # |
|-----------|----------------|--------------|
| 1/2"      | 3/8" - 18 NPTF | <b>EA4F3</b> |
| 1/2"      | 1/2" - 14 NPTF | <b>EA4F4</b> |



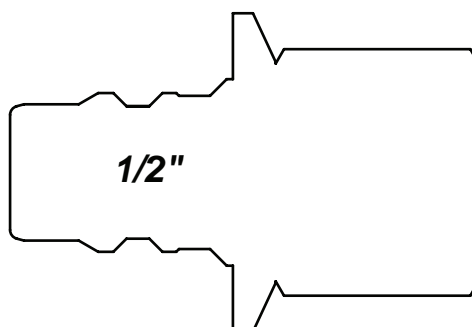
## Water-Blast Seal Kits

| Body Size | Coupler Style | Seal Kit Contents            | Nitrile Part #  |
|-----------|---------------|------------------------------|-----------------|
| 1/2"      | all           | body O-ring and PTFE back-up | <b>4EA-SKIT</b> |

| Body Size | Coupler Style | Seal Kit Contents            | FKM Part #        |
|-----------|---------------|------------------------------|-------------------|
| 1/2"      | all           | body O-ring and PTFE back-up | <b>F-4EA-SKIT</b> |

| Body Size | Coupler Style | Seal Kit Contents            | EPDM Part #       |
|-----------|---------------|------------------------------|-------------------|
| 1/2"      | all           | body O-ring and PTFE back-up | <b>P-4EA-SKIT</b> |

## Plug Profile



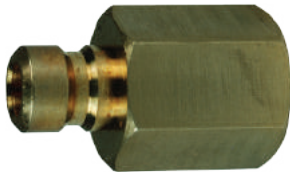
## CM-Series Hydraulic Couplings

**Features:**

- interchangeable with Foster Series- FJT, Hansen Flo-Temp, Tomco MC-Series, Parker Moldmate, DME Jiffy-Tite
- silicone gaskets and valve O-rings standard providing a temperature range **-90°F to 400°F (-68°C to 205°C)**
- Contact Dixon® for pressure ratings and other technical information.

**Industrial Mold Plug Female NPTF**

steel



brass

| Body Size | Threads        | Steel Part # | Brass Part #   |
|-----------|----------------|--------------|----------------|
| 1/4"      | 1/8" - 27 NPTF | <b>CM2F1</b> | <b>CM2F1-B</b> |
|           | 1/4" - 18 NPTF | <b>CM2F2</b> | <b>CM2F2-B</b> |
|           | 3/8" - 18 NPTF | <b>CM2F3</b> | <b>CM2F3-B</b> |
| 3/8"      | 1/4" - 18 NPTF | <b>CM3F2</b> | <b>CM3F2-B</b> |
|           | 3/8" - 18 NPTF | <b>CM3F3</b> | <b>CM3F3-B</b> |
| 1/2"      | 1/2" - 14 NPTF | ---          | <b>CM4F4-B</b> |
|           | 3/4" - 14 NPTF | ---          | <b>CM4F6-B</b> |

**Industrial Mold Plug Male NPTF**

| Body Size | Threads        | Brass Part #   |
|-----------|----------------|----------------|
| 1/4"      | 1/8" - 27 NPTF | <b>CM2M1-B</b> |
|           | 1/4" - 18 NPTF | <b>CM2M2-B</b> |
|           | 3/8" - 18 NPTF | <b>CM2M3-B</b> |
| 3/8"      | 1/4" - 18 NPTF | <b>CM3M2-B</b> |
|           | 3/8" - 18 NPTF | <b>CM3M3-B</b> |
|           | 1/2" - 14 NPTF | <b>CM3M4-B</b> |
| 1/2"      | 1/2" - 14 NPTF | <b>CM4M4-B</b> |
|           | 3/4" - 14 NPTF | <b>CM4M6-B</b> |

**Industrial Mold Extension Plug Male NPTF**

| Body Size | Threads        | Brass Part #         |
|-----------|----------------|----------------------|
| 1/4"      | 1/8" - 27 NPTF | <b>CM2M1-B-L2.5</b>  |
|           | 1/8" - 27 NPTF | <b>CM2M1-B-L4</b>    |
|           | 1/8" - 27 NPTF | <b>CM2M1-B-L5.5</b>  |
|           | 1/4" - 18 NPTF | <b>CM2M2-B-L2.5</b>  |
|           | 1/4" - 18 NPTF | <b>CM2M2-B-L4</b>    |
|           | 1/4" - 18 NPTF | <b>CM2M2-B-L5.5</b>  |
|           | 1/4" - 18 NPTF | <b>CM2M2-B-L7</b>    |
| 3/8"      | 1/8" - 27 NPTF | <b>CM3M1-B-L2.5</b>  |
|           | 1/8" - 27 NPTF | <b>CM3M1-B-L4</b>    |
|           | 1/8" - 27 NPTF | <b>CM3M1-B-L5.5</b>  |
|           | 1/8" - 27 NPTF | <b>CM3M1-B-L7</b>    |
|           | 1/4" - 18 NPTF | <b>CM3M2-B-L2.5</b>  |
|           | 1/4" - 18 NPTF | <b>CM3M2-B-L4</b>    |
|           | 1/4" - 18 NPTF | <b>CM3M2-B-L5.5</b>  |
|           | 1/4" - 18 NPTF | <b>CM3M2-B-L7</b>    |
|           | 1/4" - 18 NPTF | <b>CM3M2-B-L8.5</b>  |
|           | 1/4" - 18 NPTF | <b>CM3M2-B-L11.5</b> |
|           | 1/4" - 18 NPTF |                      |

## CM-Series Hydraulic Couplings

## Industrial Mold Unvalved Coupler Female NPTF

| Body Size | Threads        | Brass Part #     |
|-----------|----------------|------------------|
| 1/4"      | 1/8" - 27 NPTF | <b>2CMF1-B-E</b> |
|           | 1/4" - 18 NPTF | <b>2CMF2-B-E</b> |
| 3/8"      | 1/4" - 18 NPTF | <b>3CMF2-B-E</b> |
|           | 3/8" - 18 NPTF | <b>3CMF3-B-E</b> |
| 1/2"      | 1/2" - 14 NPTF | <b>4CMF4-B-E</b> |



Hydraulic Fittings

## Industrial Mold Valved Coupler Female NPTF

| Body Size | Threads        | Brass Part #   |
|-----------|----------------|----------------|
| 1/4"      | 1/8" - 27 NPTF | <b>2CMF1-B</b> |
| 3/8"      | 1/4" - 18 NPTF | <b>3CMF2-B</b> |



## Industrial Mold Unvalved Coupler Hose Barb

| Body Size | Hose ID | Brass Part #       |
|-----------|---------|--------------------|
| 1/4"      | 1/4"    | <b>2CMS2-B-E</b>   |
|           | 5/16"   | <b>2CMS2.5-B-E</b> |
|           | 3/8"    | <b>2CMS3-B-E</b>   |
| 3/8"      | 3/8"    | <b>3CMS3-B-E</b>   |
|           | 1/2"    | <b>3CMS4-B-E</b>   |
| 1/2"      | 1/2"    | <b>4CMS4-B-E</b>   |
|           | 3/4"    | <b>4CMS6-B-E</b>   |



## Industrial Mold Valved Coupler Hose Barb

| Body Size | Hose ID | Brass Part #     |
|-----------|---------|------------------|
| 1/4"      | 1/4"    | <b>2CMS2-B</b>   |
|           | 5/16"   | <b>2CMS2.5-B</b> |
|           | 3/8"    | <b>2CMS3-B</b>   |
| 3/8"      | 3/8"    | <b>3CMS3-B</b>   |
|           | 1/2"    | <b>3CMS4-B</b>   |



## Industrial Mold Unvalved Coupler Push-Loc Barb

| Body Size | Hose ID | Brass Part #     |
|-----------|---------|------------------|
| 1/4"      | 1/4"    | <b>2CMB2-B-E</b> |
|           | 3/8"    | <b>2CMB3-B-E</b> |
| 3/8"      | 3/8"    | <b>3CMB3-B-E</b> |
|           | 1/2"    | <b>3CMB4-B-E</b> |
| 1/2"      | 1/2"    | <b>4CMB4-B-E</b> |
|           | 3/4"    | <b>4CMB6-B-E</b> |



## Industrial Mold Valved Coupler Push-Loc Barb

| Body Size | Hose ID | Brass Part #   |
|-----------|---------|----------------|
| 1/4"      | 1/4"    | <b>2CMB2-B</b> |
|           | 3/8"    | <b>2CMB3-B</b> |
| 3/8"      | 3/8"    | <b>3CMB3-B</b> |
|           | 1/2"    | <b>3CMB4-B</b> |





## CM-Series Hydraulic Couplings

## Industrial Mold Unvalved Coupler 45° Hose Barb



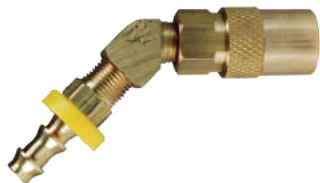
| Body Size | Hose ID | Brass Part #        |
|-----------|---------|---------------------|
| 1/4"      | 1/4"    | <b>2CM4S2-B-E</b>   |
|           | 5/16"   | <b>2CM4S2.5-B-E</b> |
|           | 3/8"    | <b>2CM4S3-B-E</b>   |
| 3/8"      | 3/8"    | <b>3CM4S3-B-E</b>   |
|           | 1/2"    | <b>3CM4S4-B-E</b>   |
| 1/2"      | 1/2"    | <b>4CM4S4-B-E</b>   |
|           | 3/4"    | <b>4CM4S6-B-E</b>   |

## Industrial Mold Valved Coupler 45° Hose Barb



| Body Size | Hose ID | Brass Part #    |
|-----------|---------|-----------------|
| 1/4"      | 1/4"    | <b>2CM4S2-B</b> |
|           | 3/8"    | <b>2CM4S3-B</b> |
| 3/8"      | 3/8"    | <b>3CM4S3-B</b> |
|           | 1/2"    | <b>3CM4S4-B</b> |

## Industrial Mold Unvalved Coupler 45° Push-Loc Barb



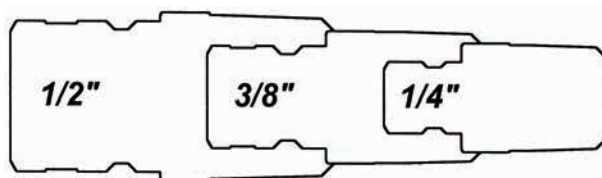
| Body Size | Hose ID | Brass Part #      |
|-----------|---------|-------------------|
| 1/4"      | 1/4"    | <b>2CM4B2-B-E</b> |
|           | 3/8"    | <b>2CM4B3-B-E</b> |
| 3/8"      | 3/8"    | <b>3CM4B3-B-E</b> |
|           | 1/2"    | <b>3CM4B4-B-E</b> |
| 1/2"      | 1/2"    | <b>4CM4B4-B-E</b> |
|           | 3/4"    | <b>4CM4B6-B-E</b> |

## Industrial Mold Valved Coupler 45° Push-Loc Barb



| Body Size | Hose ID | Brass Part #    |
|-----------|---------|-----------------|
| 1/4"      | 1/4"    | <b>2CM4B2-B</b> |
|           | 3/8"    | <b>2CM4B3-B</b> |
| 3/8"      | 3/8"    | <b>3CM4B3-B</b> |
|           | 1/2"    | <b>3CM4B4-B</b> |

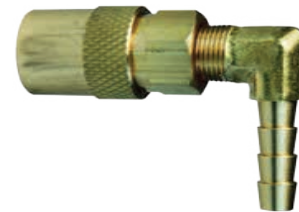
## Plug Profiles



## CM-Series Hydraulic Couplings

## Industrial Mold Unvalved Coupler 90° Hose Barb

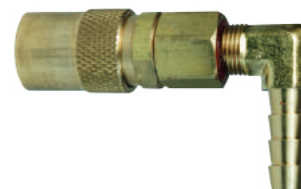
| Body Size | Hose ID | Brass Part # |
|-----------|---------|--------------|
| 1/4"      | 1/4"    | 2CM9S2-B-E   |
|           | 5/16"   | 2CM9S2.5-B-E |
|           | 3/8"    | 2CM9S3-B-E   |
| 3/8"      | 3/8"    | 3CM9S3-B-E   |
|           | 1/2"    | 3CM9S4-B-E   |
| 1/2"      | 1/2"    | 4CM9S4-B-E   |
|           | 3/4"    | 4CM9S6-B-E   |



Hydraulic Fittings

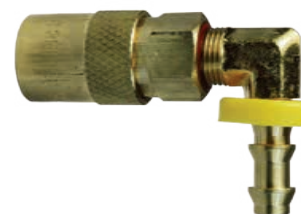
## Industrial Mold Valved Coupler 90° Hose Barb

| Body Size | Hose ID | Brass Part # |
|-----------|---------|--------------|
| 1/4"      | 1/4"    | 2CM9S2-B     |
|           | 5/16"   | 2CM9S2.5-B   |
|           | 3/8"    | 2CM9S3-B     |
| 3/8"      | 3/8"    | 3CM9S3-B     |
|           | 1/2"    | 3CM9S4-B     |



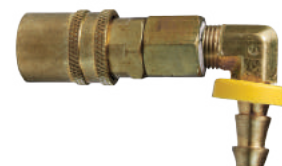
## Industrial Mold Unvalved Coupler 90° Push-Loc Barb

| Body Size | Hose ID | Brass Part # |
|-----------|---------|--------------|
| 1/4"      | 1/4"    | 2CM9B2-B-E   |
|           | 3/8"    | 2CM9B3-B-E   |
| 3/8"      | 3/8"    | 3CM9B3-B-E   |
|           | 1/2"    | 3CM9B4-B-E   |
| 1/2"      | 1/2"    | 4CM9B4-B-E   |
|           | 3/4"    | 4CM9B6-B-E   |



## Industrial Mold Valved Coupler 90° Push-Loc Barb

| Body Size | Hose ID | Brass Part # |
|-----------|---------|--------------|
| 1/4"      | 1/4"    | 2CM9B2-B     |
|           | 3/8"    | 2CM9B3-B     |
| 3/8"      | 3/8"    | 3CM9B3-B     |
|           | 1/2"    | 3CM9B4-B     |



## Industrial Mold Interchange Dust Plugs

| Body Size | Lanyard | Brass Part # |
|-----------|---------|--------------|
| 1/4"      | N/A     | 2CMPC-B      |
| 3/8"      | N/A     | 3CMPC-B      |
| 1/2"      | N/A     | 4CMPC-B      |



## Industrial Mold Coupler Seal Kits

| Body Size | Coupler Style | Seal Kit Contents | Silicone Part # |
|-----------|---------------|-------------------|-----------------|
| 1/4"      | all           | body seal         | 2CM-SKIT        |
| 3/8"      | all           | body seal         | 3CM-SKIT        |
| 1/2"      | all           | body seal         | 4CM-SKIT        |



## Flat Face

## Male Unions

## Features:

- reference SAE 520101
- pressure rating at **70°F (21°C)**



| Male<br>Flat Face | PSI  | Zinc Plated Steel<br>Part # |
|-------------------|------|-----------------------------|
| 9/16"-18          | 6000 | <b>FS2403-4</b>             |
| 11/16"-16         | 6000 | <b>FS2403-6</b>             |
| 13/16"-16         | 6000 | <b>FS2403-8</b>             |
| 1"-14             | 6000 | <b>FS2403-10</b>            |
| 1-3/16"-12        | 6000 | <b>FS2403-12</b>            |
| 1-7/16"-12        | 6000 | <b>FS2403-16</b>            |

## Male x Male SAE O-ring Boss Connectors

## Features:

- reference SAE 520120
- pressure rating at **70°F (21°C)**



| Male<br>Flat Face | Male SAE<br>O-ring Boss | PSI  | Zinc Plated Steel<br>Part # |
|-------------------|-------------------------|------|-----------------------------|
| 9/16"-18          | 7/16"-20                | 5000 | <b>FS6400-4-4</b>           |
| 11/16"-16         | 9/16"-18                | 5000 | <b>FS6400-6-6</b>           |
| 13/16"-16         | 3/4"-16                 | 4500 | <b>FS6400-8-8</b>           |
| 1"-14             | 7/8"-14                 | 3500 | <b>FS6400-10-10</b>         |
| 1-3/16"-12        | 1-1/16"-12              | 3500 | <b>FS6400-12-12</b>         |
| 1-7/16"-12        | 1-5/16"-12              | 3000 | <b>FS6400-16-16</b>         |

## Male x Male NPTF Connectors

## Features:

- reference SAE 520102
- pressure rating at **70°F (21°C)**



| Male<br>Flat Face | Male<br>NPTF | PSI  | Zinc Plated Steel<br>Part # |
|-------------------|--------------|------|-----------------------------|
| 9/16"-18          | 1/4"-18      | 5000 | <b>FS2404-4-4</b>           |
| 11/16"-16         | 3/8"-18      | 4000 | <b>FS2404-6-6</b>           |
| 13/16"-16         | 1/2"-14      | 3000 | <b>FS2404-8-8</b>           |
| 1-3/16"-12        | 3/4"-14      | 2500 | <b>FS2404-12-12</b>         |
| 1-7/16"-12        | 1"-11 1/2    | 2000 | <b>FS2404-16-16</b>         |

## Male x Female Swivel Nut 90° Elbows

## Features:

- reference SAE 520221
- pressure rating at **70°F (21°C)**



| Male<br>Flat Face | Female<br>Flat Face | PSI  | Zinc Plated Steel<br>Part # |
|-------------------|---------------------|------|-----------------------------|
| 9/16"-18          | 9/16"-18            | 6000 | <b>FS6500-4-4</b>           |
| 11/16"-16         | 11/16"-16           | 6000 | <b>FS6500-6-6</b>           |
| 13/16"-16         | 13/16"-16           | 6000 | <b>FS6500-8-8</b>           |
| 1"-14             | 1"-14               | 6000 | <b>FS6500-10-10</b>         |
| 1-3/16"-12        | 1-3/16"-12          | 6000 | <b>FS6500-12-12</b>         |
| 1-7/16"-12        | 1-7/16"-12          | 6000 | <b>FS6500-16-16</b>         |

## Male x Male SAE O-ring Boss 90° Elbows

## Features:

- reference SAE 520220
- pressure rating at **70°F (21°C)**



| Male<br>Flat Face | Male SAE<br>O-ring Boss | PSI  | Zinc Plated Steel<br>Part # |
|-------------------|-------------------------|------|-----------------------------|
| 9/16"-18          | 7/16"-20                | 5000 | <b>FS6801-4-4</b>           |
| 11/16"-16         | 9/16"-18                | 5000 | <b>FS6801-6-6</b>           |
| 13/16"-16         | 3/4"-16                 | 4500 | <b>FS6801-8-8</b>           |
| 1"-14             | 7/8"-14                 | 3500 | <b>FS6801-10-10</b>         |
| 1-3/16"-12        | 1-1/16"-12              | 3500 | <b>FS6801-12-12</b>         |
| 1-7/16"-12        | 1-5/16"-12              | 3000 | <b>FS6801-16-16</b>         |

## Flat Face

## Male x Male NPTF 90° Elbows

## Features:

- reference SAE 520202
- pressure rating at **70°F (21°C)**

| Male Flat Face | Male NPTF | PSI         | Zinc Plated Steel Part # |
|----------------|-----------|-------------|--------------------------|
| 9/16"-18       | ¼"-18     | <b>5000</b> | <b>FS2501-4-4</b>        |
| 11/16"-16      | ¾"-18     | <b>4000</b> | <b>FS2501-6-6</b>        |
| 13/16"-16      | ½"-14     | <b>3000</b> | <b>FS2501-8-8</b>        |
| 1-3/16"-12     | ¾"-14     | <b>2500</b> | <b>FS2501-12-12</b>      |
| 1-7/16"-12     | 1"-11½    | <b>2000</b> | <b>FS2501-16-16</b>      |



## Male Union Tees

## Features:

- reference SAE 520401
- pressure rating at **70°F (21°C)**

| Male Flat Face | Male Flat Face | Male Flat Face | PSI         | Zinc Plated Steel Part # |
|----------------|----------------|----------------|-------------|--------------------------|
| 9/16"-18       | 9/16"-18       | 9/16"-18       | <b>6000</b> | <b>FS2603-4</b>          |
| 11/16"-16      | 11/16"-16      | 11/16"-16      | <b>6000</b> | <b>FS2603-6</b>          |
| 13/16"-16      | 13/16"-16      | 13/16"-16      | <b>6000</b> | <b>FS2603-8</b>          |
| 1"-14          | 1"-14          | 1"-14          | <b>6000</b> | <b>FS2603-10</b>         |
| 1-3/16"-12     | 1-3/16"-12     | 1-3/16"-12     | <b>6000</b> | <b>FS2603-12</b>         |
| 1-7/16"-12     | 1-7/16"-12     | 1-7/16"-12     | <b>6000</b> | <b>FS2603-16</b>         |



## Male x Female Swivel x Male Run Tees

## Features:

- reference SAE 520432
- pressure rating at **70°F (21°C)**

| Male Flat Face | Female Flat Face Swivel | Male Flat Face | PSI         | Zinc Plated Steel Part # |
|----------------|-------------------------|----------------|-------------|--------------------------|
| 9/16"-18       | 9/16"-18                | 9/16"-18       | <b>4500</b> | <b>FS6602-4</b>          |
| 11/16"-16      | 11/16"-16               | 11/16"-16      | <b>4000</b> | <b>FS6602-6</b>          |
| 13/16"-16      | 13/16"-16               | 13/16"-16      | <b>4000</b> | <b>FS6602-8</b>          |
| 1"-14          | 1"-14                   | 1"-14          | <b>3000</b> | <b>FS6602-10</b>         |
| 1-3/16"-12     | 1-3/16"-12              | 1-3/16"-12     | <b>3000</b> | <b>FS6602-12</b>         |
| 1-7/16"-12     | 1-7/16"-12              | 1-7/16"-12     | <b>2500</b> | <b>FS6602-16</b>         |



## Caps

## Features:

- reference SAE 520112
- pressure rating at **70°F (21°C)**

| Female Flat Face | PSI         | Zinc Plated Steel Part # |
|------------------|-------------|--------------------------|
| 9/16"-18         | <b>6000</b> | <b>FS304C-4</b>          |
| 11/16"-16        | <b>6000</b> | <b>FS304C-6</b>          |
| 13/16"-16        | <b>6000</b> | <b>FS304C-8</b>          |
| 1"-14            | <b>6000</b> | <b>FS304C-10</b>         |
| 1-3/16"-12       | <b>6000</b> | <b>FS304C-12</b>         |
| 1-7/16"-12       | <b>6000</b> | <b>FS304C-16</b>         |



## Plugs

## Features:

- reference SAE 520109
- pressure rating at **70°F (21°C)**

| Male Flat Face | PSI         | Zinc Plated Steel Part # |
|----------------|-------------|--------------------------|
| 9/16"-18       | <b>6000</b> | <b>FS2408-4</b>          |
| 11/16"-16      | <b>6000</b> | <b>FS2408-6</b>          |
| 13/16"-16      | <b>6000</b> | <b>FS2408-8</b>          |
| 1"-14          | <b>6000</b> | <b>FS2408-10</b>         |
| 1-3/16"-12     | <b>6000</b> | <b>FS2408-12</b>         |
| 1-7/16"-12     | <b>6000</b> | <b>FS2408-16</b>         |



## O-ring Boss

## Port Reducers

## Feature:

- pressure rating at 70°F (21°C)



| Male SAE<br>O-ring Boss | Female<br>O-ring Port | PSI  | Zinc Plated Steel<br>Part # |
|-------------------------|-----------------------|------|-----------------------------|
| 9/16"-18                | 7/16"-20              | 5000 | 6410-6-4                    |
| 9/16"-18                | 3/4"-16               | 4500 | 6410-6-8                    |
| 3/4"-16                 | 7/8"-14               | 3500 | 6410-8-10                   |
| 3/4"-16                 | 9/16"-18              | 4500 | 6410-8-6                    |
| 7/8"-14                 | 1-1/16"-12            | 3500 | 6410-10-12                  |
| 7/8"-14                 | 3/4"-16               | 3500 | 6410-10-8                   |
| 1-1/16"-12              | 7/8"-14               | 3000 | 6410-12-10                  |
| 1-1/16"-12              | 1-5/16"-12            | 3000 | 6410-12-16                  |

## Adjustable Unions

## Feature:

- pressure rating at 70°F (21°C)



| Male<br>O-ring Boss | Adjustable<br>O-ring Boss | PSI  | Zinc Plated Steel<br>Part # |
|---------------------|---------------------------|------|-----------------------------|
| 7/16"-20            | 7/16"-20                  | 4500 | 6403-4                      |
| 9/16"-18            | 9/16"-18                  | 4000 | 6403-6                      |
| 3/4"-16             | 3/4"-16                   | 4000 | 6403-8                      |
| 7/8"-14             | 7/8"-14                   | 3000 | 6403-10                     |
| 1-1/16"-12          | 1-1/16"-12                | 3000 | 6403-12                     |
| 1-5/16"-12          | 1-5/16"-12                | 2500 | 6403-16                     |

## Male JIC x Male SAE

## Features:

- reference SAE 070120
- pressure rating at 70°F (21°C)



| Male JIC   | Male SAE O-ring<br>Boss | PSI  | Zinc Plated Steel<br>Part # |
|------------|-------------------------|------|-----------------------------|
| 7/16"-20   | 7/16"-20                | 5000 | 1231-04-04                  |
| 7/16"-20   | 9/16"-18                | 5000 | 1231-04-06                  |
| 7/16"-20   | 3/4"-16                 | 4500 | 1231-04-08                  |
| 1/2"-20    | 1/2"-20                 | 5000 | 1231-05-05                  |
| 9/16"-18   | 7/16"-20                | 5000 | 1231-06-04                  |
| 9/16"-18   | 9/16"-18                | 5000 | 1231-06-06                  |
| 9/16"-18   | 3/4"-16                 | 4500 | 1231-06-08                  |
| 9/16"-18   | 7/8"-14                 | 3500 | 1231-06-10                  |
| 3/4"-16    | 9/16"-18                | 4500 | 1231-08-06                  |
| 3/4"-16    | 3/4"-16                 | 4500 | 1231-08-08                  |
| 3/4"-16    | 7/8"-14                 | 3500 | 1231-08-10                  |
| 3/4"-16    | 1-1/16"-12              | 3500 | 1231-08-12                  |
| 7/8"-14    | 3/4"-16                 | 3500 | 1231-10-08                  |
| 7/8"-14    | 7/8"-14                 | 3500 | 1231-10-10                  |
| 7/8"-14    | 1-1/16"-12              | 3500 | 1231-10-12                  |
| 1-1/16"-12 | 7/8"-14                 | 3500 | 1231-12-10                  |
| 1-1/16"-12 | 1-1/16"-12              | 3500 | 1231-12-12                  |
| 1-1/16"-12 | 1-5/16"-12              | 3000 | 1231-12-16                  |
| 1-5/16"-12 | 1-1/16"-12              | 3000 | 1231-16-12                  |
| 1-5/16"-12 | 1-5/16"-12              | 3000 | 1231-16-16                  |
| 1-5/16"-12 | 1 5/8"-12               | 2500 | 1231-16-20                  |
| 1 5/8"-12  | 1-5/16"-12              | 2500 | 1231-20-16                  |
| 1 5/8"-12  | 1 5/8"-12               | 2500 | 1231-20-20                  |

## Male x Male NPTF

## Feature:

- pressure rating at 70°F (21°C)



| Male SAE<br>O-ring Boss | Male NPTF<br>Pipe Adapter | PSI  | Zinc Plated Steel<br>Part # |
|-------------------------|---------------------------|------|-----------------------------|
| 7/16"-20                | 1/4"-18                   | 5000 | 6401-4-4                    |
| 9/16"-18                | 1/4"-18                   | 4000 | 6401-6-4                    |
| 9/16"-18                | 3/8"-18                   | 4000 | 6401-6-6                    |
| 9/16"-18                | 1/2"-14                   | 3000 | 6401-6-8                    |
| 3/4"-16                 | 3/8"-18                   | 3000 | 6401-8-6                    |
| 3/4"-16                 | 1/2"-14                   | 3000 | 6401-8-8                    |
| 7/8"-14                 | 1/2"-14                   | 3000 | 6401-10-8                   |
| 1-1/16"-12              | 3/4"-14                   | 2500 | 6401-12-12                  |
| 1-5/16"-12              | 1"-11 1/2                 | 2000 | 6401-16-16                  |



## O-ring Boss (ORB)

## Male x Female NPTF

## Feature:

- pressure rating at **70°F (21°C)**

| Male SAE<br>O-ring Boss | Female<br>NPTF Pipe | PSI  | Zinc Plated Steel<br>Part # |
|-------------------------|---------------------|------|-----------------------------|
| 7/16"-20                | 1/8"-27             | 5000 | 6405-4-2                    |
| 7/16"-20                | 1/4"-18             | 5000 | 6405-4-4                    |
| 7/16"-20                | 3/8"-18             | 4000 | 6405-4-6                    |
| 9/16"-18                | 1/4"-18             | 4000 | 6405-6-4                    |
| 9/16"-18                | 3/8"-18             | 4000 | 6405-6-6                    |
| 9/16"-18                | 1/2"-14             | 3000 | 6405-6-8                    |
| 3/4"-16                 | 3/8"-18             | 4000 | 6405-8-6                    |
| 3/4"-16                 | 1/2"-14             | 3000 | 6405-8-8                    |
| 7/8"-14                 | 1/4"-18             | 3000 | 6405-10-4                   |
| 7/8"-14                 | 1/2"-14             | 3000 | 6405-10-8                   |
| 7/8"-14                 | 3/4"-14             | 2500 | 6405-10-12                  |
| 1-1/16"-12              | 1/2"-14             | 3000 | 6405-12-8                   |
| 1-1/16"-12              | 3/4"-14             | 2500 | 6405-12-12                  |
| 1-1/16"-12              | 1"-11 1/2           | 2000 | 6405-12-16                  |
| 1-5/16"-12              | 3/4"-14             | 2500 | 6405-16-12                  |
| 1-5/16"-12              | 1"-11 1/2           | 2000 | 6405-16-16                  |
| 1-5/16"-12              | 1 1/4"-11 1/2       | 1150 | 6405-16-20                  |
| 1 5/8"-12               | 1"-11 1/2           | 2000 | 6405-20-16                  |
| 1 5/8"-12               | 1 1/4"-11 1/2       | 1150 | 6405-20-20                  |



Hydraulic Fittings

## 90° Male SAE x Male JIC Elbows

## Features:

- reference SAE 070220
- pressure rating at **70°F (21°C)**

| Male SAE O-ring<br>Boss | Male JIC   | PSI  | Zinc Plated Steel<br>Part # |
|-------------------------|------------|------|-----------------------------|
| 7/16"-20                | 7/16"-20   | 5000 | 1238-04-04                  |
| 7/16"-20                | 9/16"-18   | 5000 | 1238-04-06                  |
| 9/16"-18                | 7/16"-20   | 5000 | 1238-06-04                  |
| 9/16"-18                | 9/16"-18   | 5000 | 1238-06-06                  |
| 3/4"-16                 | 9/16"-18   | 4500 | 1238-08-06                  |
| 3/4"-16                 | 3/4"-16    | 4500 | 1238-08-08                  |
| 3/4"-16                 | 7/8"-14    | 3500 | 1238-08-10                  |
| 7/8"-14                 | 3/4"-16    | 3500 | 1238-10-08                  |
| 7/8"-14                 | 7/8"-14    | 3500 | 1238-10-10                  |
| 7/8"-14                 | 1-1/16"-12 | 3500 | 1238-10-12                  |
| 1-1/16"-12              | 7/8"-14    | 3500 | 1238-12-10                  |
| 1-1/16"-12              | 1-1/16"-12 | 3500 | 1238-12-12                  |
| 1-1/16"-12              | 1-5/16"-12 | 3000 | 1238-12-16                  |
| 1-5/16"-16              | 1-1/16"-12 | 3000 | 1238-16-12                  |
| 1-5/16"-12              | 1-5/16"-12 | 3000 | 1238-16-16                  |
| 1 5/8"-12               | 1-5/16"-12 | 2500 | 1238-20-16                  |
| 1 5/8"-12               | 1 5/8"-12  | 2500 | 1238-20-20                  |
| 1 7/8"-12               | 1 7/8"-12  | 2000 | 1238-24-24                  |



## 90° SAE x Female NPSM Swivel Nut Elbows

## Features:

- reference SAE 140257
- pressure rating at **70°F (21°C)**

| Male SAE<br>O-ring Boss | Female NPSM<br>Swivel | PSI  | Zinc Plated Steel<br>Part # |
|-------------------------|-----------------------|------|-----------------------------|
| 7/16"-20                | 1/4"-18               | 4500 | 6901-4-4                    |
| 7/16"-20                | 3/8"-18               | 4000 | 6901-4-6                    |
| 9/16"-18                | 1/4"-18               | 4000 | 6901-6-4                    |
| 9/16"-18                | 3/8"-18               | 4000 | 6901-6-6                    |
| 9/16"-18                | 1/2"-14               | 4000 | 6901-6-8                    |
| 3/4"-16                 | 3/8"-18               | 3500 | 6901-8-6                    |
| 3/4"-16                 | 1/2"-14               | 4000 | 6901-8-8                    |
| 3/4"-16                 | 3/4"-14               | 3000 | 6901-8-12                   |
| 7/8"-14                 | 1/2"-14               | 3500 | 6901-10-8                   |
| 7/8"-14                 | 3/4"-14               | 3000 | 6901-10-12                  |
| 1-1/16"-12              | 1/2"-14               | 3500 | 6901-12-8                   |
| 1-1/16"-12              | 3/4"-14               | 3000 | 6901-12-12                  |
| 1-1/16"-12              | 1"-11 1/2             | 2500 | 6901-12-16                  |
| 1-5/16"-12              | 3/4"-14               | 3000 | 6901-16-12                  |
| 1-5/16"-12              | 1"-11 1/2             | 2500 | 6901-16-16                  |
| 1-5/16"-12              | 1 1/4"-11 1/2         | 2000 | 6901-16-20                  |
| 1 5/8"-12               | 1 1/4"-11 1/2         | 2000 | 6901-20-20                  |





## O-ring Boss (ORB)

## 45° Male SAE x Male JIC Elbows

## Features:

- reference SAE 070320
- pressure rating at 70°F (21°C)



| Male SAE O-ring Boss | Male JIC   | PSI  | Zinc Plated Steel Part # |
|----------------------|------------|------|--------------------------|
| 7/16"-20             | 7/16"-20   | 5000 | 1240-04-04               |
| 9/16"-18             | 9/16"-18   | 5000 | 1240-06-06               |
| 9/16"-18             | 3/4"-16    | 4500 | 1240-06-08               |
| 3/4"-16              | 9/16"-18   | 4500 | 1240-08-06               |
| 3/4"-16              | 3/4"-16    | 4500 | 1240-08-08               |
| 3/4"-16              | 7/8"-14    | 3500 | 1240-08-10               |
| 7/8"-14              | 3/4"-16    | 3500 | 1240-10-08               |
| 7/8"-14              | 7/8"-14    | 3500 | 1240-10-10               |
| 7/8"-14              | 1-1/16"-12 | 3500 | 1240-10-12               |
| 1-1/16"-12           | 7/8"-14    | 3500 | 1240-12-10               |
| 1-1/16"-12           | 1-1/16"-12 | 3500 | 1240-12-12               |
| 1-1/16"-12           | 1-5/16"-12 | 3000 | 1240-12-16               |
| 1-5/16"-12           | 1-5/16"-12 | 3000 | 1240-16-16               |
| 1 5/8"-12            | 1-5/16"-12 | 2500 | 1240-20-16               |
| 1 5/8"-12            | 1 5/8"-12  | 2500 | 1240-20-20               |

## Male 37° Flare x Male Branch Tees

## Features:

- reference SAE 070429
- pressure rating at 70°F (21°C)



| (2) Male JIC 37° | Male SAE O-ring Boss | PSI  | Zinc Plated Steel Part # |
|------------------|----------------------|------|--------------------------|
| 7/16"-20         | 7/16"-20             | 5000 | 6803-4                   |
| 9/16"-18         | 9/16"-18             | 5000 | 6803-6                   |
| 3/4"-16          | 3/4"-16              | 4500 | 6803-8                   |
| 7/8"-14          | 7/8"-14              | 3500 | 6803-10                  |
| 1-1/16"-12       | 1-1/16"-12           | 3500 | 6803-12                  |
| 1-5/16"-12       | 1-5/16"-12           | 3000 | 6803-16                  |

## SAE Plugs

## Features:

- reference SAE 090109A
- pressure rating at 70°F (21°C)

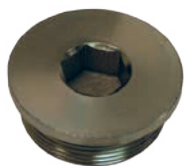


| Male SAE O-ring Boss | PSI  | Zinc Plated Steel Part # |
|----------------------|------|--------------------------|
| 7/16"-20             | 5000 | 1255-04H                 |
| 9/16"-18             | 5000 | 1255-06H                 |
| 3/4"-16              | 4500 | 1255-08H                 |
| 7/8"-14              | 3500 | 1255-10H                 |
| 1-1/16"-12           | 3500 | 1255-12H                 |
| 1-5/16"-12           | 3000 | 1255-16H                 |
| 1 5/8"-12            | 2500 | 1255-20H                 |
| 1 7/8"-12            | 2000 | 1255-24H                 |
| 2 1/2"-12            | 1500 | 1255-32H                 |

## Hollow Hex Plugs

## Features:

- reference SAE 090109B
- requires Allen wrench
- pressure rating at 70°F (21°C)



| Male SAE O-ring Boss | PSI  | Zinc Plated Steel Part # |
|----------------------|------|--------------------------|
| 7/16"-20             | 5000 | 6408HHP-4                |
| 9/16"-18             | 5000 | 6408HHP-6                |
| 3/4"-16              | 4500 | 6408HHP-8                |
| 7/8"-14              | 3500 | 6408HHP-10               |
| 1-1/16"-12           | 3500 | 6408HHP-12               |
| 1-5/16"-12           | 3000 | 6408HHP-16               |
| 1 5/8"-12            | 2500 | 6408HHP-20               |
| 1 7/8"-12            | 1500 | 6408HHP-24               |
| 2 1/2"-12            | 1500 | 6408HHP-32               |

## 37° JIC

## Male x Male

## Features:

- reference SAE 070101
- pressure rating at **70°F (21°C)**

| Male JIC 37° | Male JIC 37° | PSI  | Zinc Plated Steel<br>Part # |
|--------------|--------------|------|-----------------------------|
| 7/16"-20     | 7/16"-20     | 5000 | 1204-04-04                  |
| 9/16"-18     | 9/16"-18     | 5000 | 1204-06-06                  |
| 3/4"-16      | 7/16"-20     | 4500 | 1204-08-04                  |
| 3/4"-16      | 3/4"-16      | 4500 | 1204-08-08                  |
| 7/8"-14      | 3/4"-16      | 3500 | 1204-10-08                  |
| 7/8"-14      | 7/8"-14      | 3500 | 1204-10-10                  |
| 1-1/16"-12   | 3/4"-16      | 3500 | 1204-12-08                  |
| 1-1/16"-12   | 7/8"-14      | 3500 | 1204-12-10                  |
| 1-1/16"-12   | 1-1/16"-12   | 3500 | 1204-12-12                  |
| 1-5/16"-12   | 1-1/16"-12   | 3000 | 1204-16-12                  |
| 1-5/16"-12   | 1-5/16"-12   | 3000 | 1204-16-16                  |
| 1 5/8"-12    | 1 5/8"-12    | 2500 | 1204-20-20                  |
| 1 7/8"-12    | 1 7/8"-12    | 2000 | 1204-24-24                  |



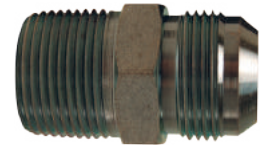
Hydraulic Fittings

## Male Flare x Male NPTF

## Features:

- reference SAE 070102
- pressure rating at **70°F (21°C)**

| Male JIC<br>37° Flare | Male<br>NPTF  | PSI  | Zinc Plated Steel<br>Part # | 316 Stainless Steel<br>Part # |
|-----------------------|---------------|------|-----------------------------|-------------------------------|
| 7/16"-20              | 1/8"-27       | 4500 | 2404-4-2                    | ---                           |
| 7/16"-20              | 1/4"-18       | 4500 | 2404-4-4                    | SS2404-4-4                    |
| 7/16"-20              | 3/8"-18       | 4000 | 2404-4-6                    | ---                           |
| 7/16"-20              | 1/2"-18       | 3000 | 2404-4-8                    | ---                           |
| 1/2"-20               | 1/8"-27       | 4000 | 2404-5-2                    | ---                           |
| 9/16"-18              | 1/8"-27       | 4000 | 2404-6-2                    | ---                           |
| 9/16"-18              | 1/4"-18       | 4000 | 2404-6-4                    | ---                           |
| 9/16"-18              | 3/8"-18       | 4000 | 2404-6-6                    | SS2404-6-6                    |
| 9/16"-18              | 1/2"-14       | 3000 | 2404-6-8                    | ---                           |
| 3/4"-16               | 1/4"-18       | 4000 | 2404-8-4                    | ---                           |
| 3/4"-16               | 3/8"-18       | 4000 | 2404-8-6                    | ---                           |
| 3/4"-16               | 1/2"-14       | 3000 | 2404-8-8                    | SS2404-8-8                    |
| 3/4"-16               | 3/4"-14       | 2500 | 2404-8-12                   | ---                           |
| 7/8"-14               | 1/2"-14       | 3000 | 2404-10-8                   | ---                           |
| 7/8"-14               | 3/4"-14       | 2500 | 2404-10-12                  | ---                           |
| 1-1/16"-12            | 1/2"-14       | 3000 | 2404-12-8                   | ---                           |
| 1-1/16"-12            | 3/4"-14       | 2500 | 2404-12-12                  | SS2404-12-12                  |
| 1-1/16"-12            | 1"-11 1/2     | 2000 | 2404-12-16                  | ---                           |
| 1-5/16"-12            | 3/4"-14       | 2500 | 2404-16-12                  | ---                           |
| 1-5/16"-12            | 1"-11 1/2     | 2000 | 2404-16-16                  | SS2404-16-16                  |
| 1 5/8"-12             | 1 1/4"-11 1/2 | 1150 | 2404-20-20                  | ---                           |
| 1 7/8"-12             | 1 1/2"-11 1/2 | 1000 | 2404-24-24                  | ---                           |
| 2 1/2"-12             | 2"-11 1/2     | 1000 | 2404-32-32                  | ---                           |



## Male Flare x Female NPTF

## Features:

- reference SAE 070103
- pressure rating at **70°F (21°C)**

| Male JIC<br>37° Flare | Female<br>NPTF | PSI  | Zinc Plated Steel<br>Part # | 316 Stainless Steel<br>Part # |
|-----------------------|----------------|------|-----------------------------|-------------------------------|
| 7/16"-20              | 1/8"-27        | 4500 | 2405-4-2                    | ---                           |
| 7/16"-20              | 1/4"-18        | 4500 | 2405-4-4                    | SS2405-4-4                    |
| 9/16"-18              | 1/4"-18        | 4000 | 2405-6-4                    | ---                           |
| 9/16"-18              | 3/8"-18        | 4000 | 2405-6-6                    | SS2405-6-6                    |
| 9/16"-18              | 1/2"-14        | 3000 | 2405-6-8                    | ---                           |
| 3/4"-16               | 3/8"-18        | 4000 | 2405-8-6                    | ---                           |
| 3/4"-16               | 1/2"-14        | 3000 | 2405-8-8                    | SS2405-8-8                    |
| 3/4"-16               | 3/4"-14        | 2500 | 2405-8-12                   | ---                           |
| 7/8"-14               | 1/2"-14        | 3000 | 2405-10-8                   | ---                           |
| 1-1/16"-12            | 3/4"-14        | 2500 | 2405-12-12                  | SS2405-12-12                  |
| 1-1/16"-12            | 1"-11 1/2      | 2000 | 2405-12-16                  | ---                           |
| 1-5/16"-12            | 1"-11 1/2      | 2000 | 2405-16-16                  | SS2405-16-16                  |
| 1 5/8"-12             | 1 1/4"-11 1/2  | 1150 | 2405-20-20                  | ---                           |



## 37° JIC

## Female Swivel x Male NPTF

## Feature:

- pressure rating at 70°F (21°C)

| Female JIC 37° Swivel | Male NPTF Pipe | PSI  | Zinc Plated Steel Part # |
|-----------------------|----------------|------|--------------------------|
| 7/16"-20              | 1/8"-27        | 4500 | 6505-4-2                 |
| 7/16"-20              | 1/4"-18        | 4500 | 6505-4-4                 |
| 1/2"-20               | 1/4"-18        | 4000 | 6505-5-4                 |
| 9/16"-18              | 1/4"-18        | 4000 | 6505-6-4                 |
| 9/16"-18              | 3/8"-18        | 4000 | 6505-6-6                 |
| 3/4"-16               | 3/8"-18        | 4000 | 6505-8-6                 |
| 3/4"-16               | 1/2"-14        | 3000 | 6505-8-8                 |
| 7/8"-14               | 1/2"-14        | 3000 | 6505-10-8                |
| 7/8"-14               | 3/4"-14        | 2500 | 6505-10-12               |
| 1-1/16"-12            | 1/2"-14        | 3000 | 6505-12-8                |
| 1-1/16"-12            | 3/4"-14        | 2500 | 6505-12-12               |
| 1-5/16"-12            | 3/4"-14        | 2500 | 6505-16-12               |
| 1-5/16"-12            | 1"-1/2         | 2000 | 6505-16-16               |
| 1 5/8"-12             | 1 1/4"-11 1/2  | 1150 | 6505-20-20               |
| 1 7/8"-12             | 1 1/2"-11 1/2  | 1000 | 6505-24-24               |
| 2 1/2"-12             | 2"-11 1/2      | 1000 | 6505-32-32               |



## Female Swivel x Female NPTF

## Feature:

- pressure rating at 70°F (21°C)

| Female JIC 37° Swivel | Female NPTF | PSI  | Zinc Plated Steel Part # |
|-----------------------|-------------|------|--------------------------|
| 7/16"-20              | 1/4"-18     | 4500 | 6506-4-4                 |
| 7/16"-20              | 3/8"-18     | 4000 | 6506-4-6                 |
| 9/16"-18              | 1/4"-18     | 4000 | 6506-6-4                 |
| 9/16"-18              | 3/8"-18     | 4000 | 6506-6-6                 |
| 3/4"-16               | 1/2"-14     | 3000 | 6506-8-8                 |
| 7/8"-14               | 1/2"-14     | 3000 | 6506-10-8                |
| 1-1/16"-12            | 3/4"-14     | 2500 | 6506-12-12               |
| 1-5/16"-12            | 1" 11 1/2   | 2000 | 6506-16-16               |



## 90° Male Flare Elbows

## Features:

- reference SAE 070201
- pressure rating at 70°F (21°C)

| Male JIC 37° Flare | Male JIC 37° Flare | PSI  | Zinc Plated Steel Part # |
|--------------------|--------------------|------|--------------------------|
| 7/16"-20           | 7/16"-20           | 5000 | 1234-04-04               |
| 9/16"-18           | 9/16"-18           | 5000 | 1234-06-06               |
| 3/4"-16            | 3/4"-16            | 4500 | 1234-08-08               |
| 7/8"-14            | 7/8"-14            | 3500 | 1234-10-10               |
| 1-1/16"-12         | 1-1/16"-12         | 3500 | 1234-12-12               |
| 1-5/16"-12         | 1-5/16"-12         | 3000 | 1234-16-16               |
| 1 5/8"-12          | 1 5/8"-12          | 2500 | 1234-20-20               |



## 90° Male Flare x Female Flare Swivel Elbows

## Features:

- reference SAE 070221
- pressure rating at 70°F (21°C)

| Male 37° JIC Flare | Female 37° JIC Swivel | PSI  | Zinc Plated Steel Part # |
|--------------------|-----------------------|------|--------------------------|
| 7/16"-20           | 7/16"-20              | 5000 | 6500-4                   |
| 9/16"-18           | 9/16"-18              | 5000 | 6500-6                   |
| 9/16"-18           | 7/16"-20              | 5000 | 6500-6-4                 |
| 9/16"-18           | 3/4"-16               | 4500 | 6500-6-8                 |
| 3/4"-16            | 3/4"-16               | 4500 | 6500-8                   |
| 3/4"-16            | 9/16"-18              | 4500 | 6500-8-6                 |
| 3/4"-16            | 7/8"-14               | 3500 | 6500-8-10                |
| 7/8"-14            | 7/8"-14               | 3500 | 6500-10                  |
| 1-1/16"-12         | 1-1/16"-12            | 3500 | 6500-12                  |
| 1-1/16"-12         | 7/8"-14               | 3500 | 6500-12-10               |
| 1-5/16"-12         | 1-5/16"-12            | 3000 | 6500-16                  |
| 1 5/8"-12          | 1 5/8"-12             | 2500 | 6500-20                  |



## 37° JIC

## 90° Male Flare x Male NPTF Elbows

## Features:

- reference SAE 070202
- pressure rating at **70°F (21°C)**

| Male JIC<br>37° Flare | Male<br>NPTF  | PSI  | Zinc Plated Steel<br>Part # | 316 Stainless Steel<br>Part # |
|-----------------------|---------------|------|-----------------------------|-------------------------------|
| 7/16"-20              | 1/8"-27       | 4500 | 2501-4-2                    | ---                           |
| 7/16"-20              | 1/4"-18       | 4500 | 2501-4-4                    | SS2501-4-4                    |
| 7/16"-20              | 3/8"-18       | 4000 | 2501-4-6                    | ---                           |
| 9/16"-18              | 1/8"-27       | 4000 | 2501-6-2                    | ---                           |
| 9/16"-18              | 1/4"-18       | 4000 | 2501-6-4                    | ---                           |
| 9/16"-18              | 3/8"-18       | 4000 | 2501-6-6                    | SS2501-6-6                    |
| 9/16"-18              | 1/2"-14       | 3000 | 2501-6-8                    | ---                           |
| 3/4"-16               | 1/4"-18       | 4000 | 2501-8-4                    | ---                           |
| 3/4"-16               | 3/8"-18       | 4000 | 2501-8-6                    | ---                           |
| 3/4"-16               | 1/2"-14       | 3000 | 2501-8-8                    | SS2501-8-8                    |
| 3/4"-16               | 3/4"-14       | 2500 | 2501-8-12                   | ---                           |
| 7/8"-14               | 1/2"-14       | 3000 | 2501-10-8                   | ---                           |
| 7/8"-14               | 3/4"-14       | 2500 | 2501-10-12                  | ---                           |
| 1-1/16"-12            | 1/2"-14       | 3000 | 2501-12-8                   | ---                           |
| 1-1/16"-12            | 3/4"-14       | 2500 | 2501-12-12                  | SS2501-12-12                  |
| 1-1/16"-12            | 1"-11 1/2     | 2000 | 2501-12-16                  | ---                           |
| 1-5/16"-12            | 3/4"-14       | 2500 | 2501-16-12                  | ---                           |
| 1-5/16"-12            | 1"-11 1/2     | 2000 | 2501-16-16                  | SS2501-16-16                  |
| 1 5/8"-12             | 1"-11 1/2     | 2000 | 2501-20-16                  | ---                           |
| 1 5/8"-12             | 1 1/4"-11 1/2 | 1150 | 2501-20-20                  | ---                           |
| 1 7/8"-12             | 1 1/2"-11 1/2 | 1000 | 2501-24-24                  | ---                           |
| 2 1/2"-12             | 2"-11 1/2     | 1000 | 2501-32-32                  | ---                           |



## 90° Female Swivel x Male NPTF Elbows

## Feature:

- pressure rating at **70°F (21°C)**

| Female JIC 37°<br>Swivel | Male<br>NPTF  | PSI  | Zinc Plated Steel<br>Part # |
|--------------------------|---------------|------|-----------------------------|
| 7/16"-20                 | 1/8"-27       | 4500 | 6501-4-2                    |
| 7/16"-20                 | 1/4"-18       | 4500 | 6501-4-4                    |
| 1/2"-20                  | 1/8"-27       | 4000 | 6501-5-2                    |
| 9/16"-18                 | 1/4"-18       | 4000 | 6501-6-4                    |
| 9/16"-18                 | 3/8"-18       | 4000 | 6501-6-6                    |
| 3/4"-16                  | 3/8"-18       | 4000 | 6501-8-6                    |
| 3/4"-16                  | 1/2"-14       | 3000 | 6501-8-8                    |
| 7/8"-14                  | 1/2"-14       | 3000 | 6501-10-8                   |
| 1-1/16"-12               | 3/4"-14       | 2500 | 6501-12-12                  |
| 1-3/16"-12               | 3/4"-14       | 2500 | 6501-14-12                  |
| 1-5/16"-12               | 1"-11 1/2     | 2000 | 6501-16-16                  |
| 1 5/8"-12                | 1 1/4"-11 1/2 | 1150 | 6501-20-20                  |
| 1 7/8"-12                | 1 1/2"-11 1/2 | 1000 | 6501-24-24                  |
| 2 1/2"-12                | 2"-11 1/2     | 1000 | 6501-32-32                  |



## 45° Male Flare x Female Swivel Elbows

## Features:

- reference SAE 070321
- pressure rating at **70°F (21°C)**

| Male JIC 37° | Female JIC 37°<br>Swivel | PSI  | Zinc Plated Steel<br>Part # |
|--------------|--------------------------|------|-----------------------------|
| 7/16"-20     | 7/16"-20                 | 4500 | 6502-4                      |
| 9/16"-18     | 9/16"-18                 | 4000 | 6502-6                      |
| 3/4"-16      | 3/4"-16                  | 4000 | 6502-8                      |
| 7/8"-14      | 7/8"-14                  | 3000 | 6502-10                     |
| 1 1/16"-12   | 1 1/16"-12               | 3000 | 6502-12                     |
| 1 5/16"-12   | 1 5/16"-12               | 2500 | 6502-16                     |
| 1 5/8"-12    | 1 5/8"-12                | 2000 | 6502-20                     |



## 37° JIC

## 45° Male Flare x Male NPTF Elbows

## Features:

- reference SAE 070302
- pressure rating at 70°F (21°C)



| Male JIC 37°<br>Flare | Male<br>NPTF | PSI  | Zinc Plated Steel<br>Part # |
|-----------------------|--------------|------|-----------------------------|
| 7/16"-20              | 1/8"-27      | 4500 | 2503-4-2                    |
| 7/16"-20              | 1/4"-18      | 4500 | 2503-4-4                    |
| 9/16"-18              | 1/4"-18      | 4000 | 2503-6-4                    |
| 9/16"-18              | 3/8"-18      | 4000 | 2503-6-6                    |
| 3/4"-16               | 1/4"-18      | 4000 | 2503-8-4                    |
| 3/4"-16               | 3/8"-18      | 4000 | 2503-8-6                    |
| 3/4"-16               | 1/2"-14      | 3000 | 2503-8-8                    |
| 7/8"-14               | 1/2"-14      | 3000 | 2503-10-8                   |
| 7/8"-14               | 3/4"-14      | 2500 | 2503-10-12                  |
| 1-1/16"-12            | 3/4"-14      | 2500 | 2503-12-12                  |
| 1-5/16"-12            | 3/4"-14      | 2500 | 2503-16-12                  |
| 1-5/16"-12            | 1"-11 1/2    | 2000 | 2503-16-16                  |

## Male Flare Union Tees

## Features:

- reference SAE 070401
- pressure rating at 70°F (21°C)



| Male<br>JIC 37° Flare (3) | PSI  | Zinc Plated Steel<br>Part # |
|---------------------------|------|-----------------------------|
| 7/16"-20                  | 5000 | 2603-4                      |
| 9/16"-18                  | 5000 | 2603-6                      |
| 3/4"-16                   | 4500 | 2603-8                      |
| 7/8"-14                   | 3500 | 2603-10                     |
| 1-1/16"-12                | 3500 | 2603-12                     |
| 1-5/16"-12                | 3000 | 2603-16                     |

## Male Flare x Female Swivel Tees

## Features:

- reference SAE 070433
- pressure rating at 70°F (21°C)



| Male JIC 37°<br>Flare (2) | Female JIC 37°<br>Swivel | PSI  | Zinc Plated Steel<br>Part # |
|---------------------------|--------------------------|------|-----------------------------|
| 7/16"-20                  | 7/16"-20                 | 4500 | 6600-4                      |
| 9/16"-18                  | 9/16"-18                 | 4000 | 6600-6                      |
| 3/4"-16                   | 3/4"-16                  | 4000 | 6600-8                      |
| 1 1/16"-12                | 1 1/16"-12               | 3000 | 6600-12                     |
| 1 5/16"-12                | 1 5/16"-12               | 2500 | 6600-16                     |

## Male Flare x Female Swivel Branch Tees

## Features:

- reference SAE 070432
- pressure rating at 70°F (21°C)



| Male JIC 37°<br>Flare (2) | Female<br>JIC 37° Swivel | PSI  | Zinc Plated Steel<br>Part # |
|---------------------------|--------------------------|------|-----------------------------|
| 7/16"-20                  | 7/16"-20                 | 4500 | 6602-4                      |
| 9/16"-18                  | 9/16"-18                 | 4000 | 6602-6                      |
| 3/4"-16                   | 3/4"-16                  | 4000 | 6602-8                      |
| 7/8"-14                   | 7/8"-14                  | 3000 | 6602-10                     |
| 1-1/16"-12                | 1-1/16"-12               | 3000 | 6602-12                     |
| 1-5/16"-12                | 1-5/16"-12               | 2500 | 6602-16                     |
| 1 5/8"-12                 | 1 5/8"-12                | 2000 | 6602-20                     |

## Male Flare x Male NPTF Branch Tees

## Features:

- reference SAE 070425
- pressure rating at 70°F (21°C)



| Male JIC 37°<br>Flare (2) | Male<br>NPTF | PSI  | Zinc Plated Steel<br>Part # |
|---------------------------|--------------|------|-----------------------------|
| 7/16"-20                  | 1/4"-18      | 5000 | 2601-4-4-4                  |
| 9/16"-18                  | 1/4"-18      | 5000 | 2601-6-6-4                  |
| 9/16"-18                  | 3/8"-18      | 4000 | 2601-6-6-6                  |
| 3/4"-16                   | 1/2"-14      | 3000 | 2601-8-8-8                  |
| 7/8"-14                   | 1/2"-14      | 3000 | 2601-10-10-8                |
| 1-1/16"-12                | 3/4"-14      | 2500 | 2601-12-12-12               |
| 1-5/16"-12                | 1"-11 1/2    | 2000 | 2601-16-16-16               |



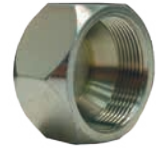
## 37° JIC

## Flare Caps

## Features:

- reference SAE 070112
- pressure rating at **70°F (21°C)**

| Female JIC 37° Flare | Tube OD | PSI  | Zinc Plated Steel<br>Part # |
|----------------------|---------|------|-----------------------------|
| 5/16"-24             | 1/8"    | 5000 | 0304C-2                     |
| 7/16"-20             | 1/4"    | 5000 | 0304C-4                     |
| 9/16"-18             | 3/8"    | 5000 | 0304C-6                     |
| 3/4"-16              | 1/2"    | 4500 | 0304C-8                     |
| 7/8"-14              | 5/8"    | 3500 | 0304C-10                    |
| 1-1/16"-12           | 3/4"    | 3500 | 0304C-12                    |
| 1-5/16"-12           | 1"      | 3000 | 0304C-16                    |
| 1 5/8"-12            | 1 1/4"  | 2500 | 0304C-20                    |
| 1 7/8"-12            | 1 1/2"  | 2000 | 0304C-24                    |
| 2 1/2"-12            | 2"      | 1500 | 0304C-32                    |



## Flare Tube Nuts

## Features:

- reference SAE 070110
- pressure rating at **70°F (21°C)**

| Female JIC 37° Flare | Tube OD | PSI  | Zinc Plated Steel<br>Part # |
|----------------------|---------|------|-----------------------------|
| 7/16"-20             | 1/4"    | 5000 | 0318-4                      |
| 9/16"-18             | 3/8"    | 5000 | 0318-6                      |
| 3/4"-16              | 1/2"    | 4500 | 0318-8                      |
| 7/8"-14              | 5/8"    | 3500 | 0318-10                     |
| 1-1/16"-12           | 3/4"    | 3500 | 0318-12                     |
| 1-5/16"-12           | 1"      | 3000 | 0318-16                     |



## Screw Thread Plugs

## Features:

- reference SAE 070109
- pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | PSI  | Zinc Plated Steel<br>Part # |
|--------------------|------|-----------------------------|
| 5/16"-24           | 5000 | 1254-02H                    |
| 7/16"-20           | 5000 | 1254-04H                    |
| 9/16"-18           | 5000 | 1254-06H                    |
| 3/4"-16            | 4500 | 1254-08H                    |
| 7/8"-14            | 3500 | 1254-10H                    |
| 1-1/16"-12         | 3500 | 1254-12H                    |
| 1-5/16"-12         | 3000 | 1254-16H                    |
| 1 5/8"-12          | 2500 | 1254-20H                    |



## Flare Tube Sleeves

## Features:

- reference SAE 070115
- pressure rating at **70°F (21°C)**

| Female JIC 37° Flare | PSI  | Zinc Plated Steel<br>Part # |
|----------------------|------|-----------------------------|
| 7/16"-20             | 5000 | 0319-4                      |
| 9/16"-18             | 5000 | 0319-6                      |
| 3/4"-16              | 4500 | 0319-8                      |
| 7/8"-14              | 3500 | 0319-10                     |
| 1-1/16"-12           | 3500 | 0319-12                     |
| 1-5/16"-12           | 3000 | 0319-16                     |



## Flare Bulkhead Unions with Lock Nut

## Features:

- reference SAE 070601
- pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | PSI  | Zinc Plated Steel<br>Part # |
|--------------------|------|-----------------------------|
| 7/16"-20           | 5000 | 2700LN-4                    |
| 9/16"-18           | 5000 | 2700LN-6                    |
| 3/4"-16            | 4500 | 2700LN-8                    |
| 7/8"-14            | 3500 | 2700LN-10                   |
| 1-1/16"-12         | 3500 | 2700LN-12                   |
| 1-5/16"-12         | 3000 | 2700LN-16                   |





## 37° JIC



## Flare 90° Bulkhead Elbow with Lock Nuts

## Features:

- reference SAE 070701
- pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | PSI         | Zinc Plated Steel<br>Part # |
|--------------------|-------------|-----------------------------|
| 7/16"-20           | <b>5000</b> | <b>2701LN-4</b>             |
| 9/16"-18           | <b>5000</b> | <b>2701LN-6</b>             |
| 3/4"-16            | <b>4500</b> | <b>2701LN-8</b>             |
| 7/8"-14            | <b>3500</b> | <b>2701LN-10</b>            |
| 1-1/16"-12         | <b>3500</b> | <b>2701LN-12</b>            |
| 1-5/16"-12         | <b>3000</b> | <b>2701LN-16</b>            |

## Flare Bulkhead Lock Nuts

## Features:

- reference SAE 070118
- pressure rating at **70°F (21°C)**



| Female JIC 37°<br>Bulkhead | Tube OD | PSI         | Zinc Plated Steel<br>Part # |
|----------------------------|---------|-------------|-----------------------------|
| 7/16"-20                   | 1/4"    | <b>5000</b> | <b>0306-4</b>               |
| 9/16"-18                   | 3/8"    | <b>5000</b> | <b>0306-6</b>               |
| 3/4"-16                    | 1/2"    | <b>4500</b> | <b>0306-8</b>               |
| 7/8"-14                    | 5/8"    | <b>3500</b> | <b>0306-10</b>              |
| 1-1/16"-12                 | 3/4"    | <b>3500</b> | <b>0306-12</b>              |
| 1-5/16"-12                 | 1"      | <b>3000</b> | <b>0306-16</b>              |

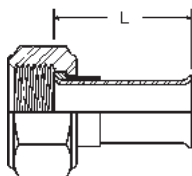
## Weld End Metal Hose Fittings

## Straight Female

All fittings have 316 seamless stainless steel tubes

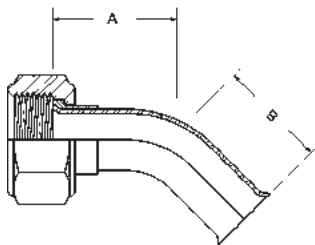
## Feature:

- pressure rating at 70°F (21°C)



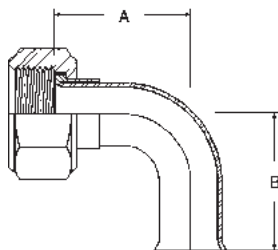
| Female SAE 37° JIC | Tube OD | Pressure Rating PSI at 70°F (21°) | Dimension L | Tube Wall | 304 Stainless Steel Nut & Sleeve Part # | Carbon Steel Nut & Sleeve Part # |
|--------------------|---------|-----------------------------------|-------------|-----------|---|----------------------------------|
| 7/16" - 20         | 1/4"    | 8650                              | 1.500"      | .049"     | SFMF250                                 | FMF250                           |
| 9/16" - 18         | 3/8"    | 5550                              | 1.500"      | .049"     | SFMF375                                 | FMF375                           |
| 3/4" - 16          | 1/2"    | 4050                              | 1.500"      | .049"     | SFMF500                                 | FMF500                           |
| 1-1/16" - 12       | 3/4"    | 2600                              | 1.500"      | .049"     | SFMF750                                 | FMF750                           |
| 1-5/16" - 12       | 1"      | 1950                              | 2.000"      | .049"     | SFMF1000                                | FMF1000                          |
| 1 5/8" - 12        | 1 1/4"  | 2050                              | 2.375"      | .065"     | SFMF1250                                | FMF1250                          |
| 1 7/8" - 12        | 1 1/2"  | 1700                              | 2.375"      | .065"     | SFMF1500                                | FMF1500                          |
| 2 1/2" - 12        | 2"      | 1250                              | 2.500"      | .065"     | SFMF2000                                | FMF2000                          |

## 45° Elbow Female



| Female SAE 37° JIC | Tube OD | Pressure Rating PSI at 70°F (21°) | Dimension A | Dimension B | Bend Radius | Tube Wall | 304 Stainless Steel Nut & Sleeve Part # | Carbon Steel Nut & Sleeve Part # |
|--------------------|---------|-----------------------------------|-------------|-------------|-------------|-----------|---|----------------------------------|
| 7/16" - 20         | 1/4"    | 5000                              | 0.750"      | 0.750"      | 0.380"      | .049"     | ---                                     | FMF250-45                        |
| 9/16" - 18         | 3/8"    | 4500                              | 1.000"      | 1.000"      | 0.500"      | .049"     | ---                                     | FMF375-45                        |
| 3/4" - 16          | 1/2"    | 4000                              | 1.250"      | 1.250"      | 1.000"      | .049"     | SFMF500-45                              | FMF500-45                        |
| 1-1/16" - 12       | 3/4"    | 2600                              | 1.450"      | 1.450"      | 1.500"      | .049"     | SFMF750-45                              | ---                              |
| 1-5/16" - 12       | 1"      | 2500                              | 1.800"      | 1.800"      | 2.000"      | .049"     | SFMF1000-45                             | FMF1000-45                       |
| 1 5/8" - 12        | 1 1/4"  | 2050                              | 2.100"      | 2.100"      | 2.000"      | .065"     | ---                                     | FMF1250-45                       |
| 1 7/8" - 12        | 1 1/2"  | 1700                              | 2.300"      | 2.300"      | 2.000"      | .065"     | SFMF1500-45                             | FMF1500-45                       |
| 2 1/2" - 12        | 2"      | 1250                              | 3.000"      | 3.000"      | 3.000"      | .065"     | SFMF2000-45                             | FMF2000-45                       |

## 90° Elbow Female



| Female SAE 37° JIC | Tube OD | Pressure Rating PSI at 70°F (21°) | Dimension A | Dimension B | Bend Radius | Tube Wall | 304 Stainless Steel Nut & Sleeve Part # | Carbon Steel Nut & Sleeve Part # |
|--------------------|---------|-----------------------------------|-------------|-------------|-------------|-----------|---|----------------------------------|
| 7/16" - 20         | 1/4"    | 5000                              | 1.000"      | 1.000"      | 0.375"      | .049"     | SFMF250-90                              | FMF250-90                        |
| 9/16" - 18         | 3/8"    | 4500                              | 1.250"      | 1.250"      | 0.500"      | .049"     | SFMF375-90                              | FMF375-90                        |
| 3/4" - 16          | 1/2"    | 4000                              | 1.830"      | 1.830"      | 1.000"      | .049"     | SFMF500-90                              | FMF500-90                        |
| 1-1/16" - 12       | 3/4"    | 2600                              | 2.350"      | 2.350"      | 1.500"      | .049"     | SFMF750-90                              | FMF750-90                        |
| 1-5/16" - 12       | 1"      | 2500                              | 3.100"      | 3.100"      | 2.000"      | .049"     | SFMF1000-90                             | FMF1000-90                       |
| 1 5/8" - 12        | 1 1/4"  | 2050                              | 3.500"      | 3.500"      | 2.000"      | .065"     | SFMF1250-90                             | FMF1250-90                       |
| 1 7/8" - 12        | 1 1/2"  | 1700                              | 3.750"      | 3.750"      | 2.000"      | .065"     | SFMF1500-90                             | FMF1500-90                       |
| 2 1/2" - 12        | 2"      | 1250                              | 4.900"      | 4.900"      | 2.000"      | .065"     | SFMF2000-90                             | FMF2000-90                       |

## NPTF



## Male Hex Pipe Nipples

## Features:

- reference SAE 140137
- pressure rating at 70°F (21°C)

| Male<br>NPTF  | Male<br>NPTF  | PSI  | Zinc Plated Steel<br>Part # |
|---------------|---------------|------|-----------------------------|
| 1/8"-27       | 1/8"-27       | 5000 | 5404-2                      |
| 1/4"-18       | 1/4"-18       | 5000 | 5404-4                      |
| 3/8"-18       | 3/8"-18       | 4000 | 5404-6                      |
| 3/8"-18       | 1/4"-18       | 4000 | 5404-6-4                    |
| 1/2"-14       | 1/2"-14       | 3000 | 5404-8                      |
| 1/2"-14       | 3/8"-18       | 3000 | 5404-8-6                    |
| 3/4"-14       | 3/4"-14       | 2500 | 5404-12                     |
| 3/4"-14       | 1/2"-14       | 2500 | 5404-12-8                   |
| 1"-11 1/2     | 1"-11 1/2     | 2000 | 5404-16                     |
| 1"-11 1/2     | 3/4"-14       | 2000 | 5404-16-12                  |
| 1 1/4"-11 1/2 | 1 1/4"-11 1/2 | 1150 | 5404-20                     |

## Male x Female Hex Reducer Bushings

## Features:

- reference SAE 140140
- pressure rating at 70°F (21°C)

| Male<br>NPTF  | Female<br>NPTF | PSI  | Zinc Plated Steel<br>Part # |
|---------------|----------------|------|-----------------------------|
| 1/4"-18       | 1/8"-27        | 5000 | 5406-4-2                    |
| 3/8"-18       | 1/8"-27        | 4000 | 5406-6-2                    |
| 3/8"-18       | 1/4"-18        | 4000 | 5406-6-4                    |
| 1/2"-14       | 1/8"-27        | 3000 | 5406-8-2                    |
| 1/2"-14       | 1/4"-18        | 3000 | 5406-8-4                    |
| 1/2"-14       | 3/8"-18        | 3000 | 5406-8-6                    |
| 3/4"-14       | 1/8"-27        | 2500 | 5406-12-2                   |
| 3/4"-14       | 1/4"-18        | 2500 | 5406-12-4                   |
| 3/4"-14       | 3/8"-18        | 2500 | 5406-12-6                   |
| 3/4"-14       | 1/2"-14        | 2500 | 5406-12-8                   |
| 1"-11 1/2     | 1/4"-18        | 2000 | 5406-16-4                   |
| 1"-11 1/2     | 3/8"-18        | 2000 | 5406-16-6                   |
| 1"-11 1/2     | 1/2"-14        | 2000 | 5406-16-8                   |
| 1"-11 1/2     | 3/4"-14        | 2000 | 5406-16-12                  |
| 1 1/4"-11 1/2 | 3/8"-18        | 1150 | 5406-20-6                   |
| 1 1/4"-11 1/2 | 1/2"-14        | 1150 | 5406-20-8                   |
| 1 1/4"-11 1/2 | 3/4"-14        | 1150 | 5406-20-12                  |
| 1 1/4"-11 1/2 | 1"-11 1/2      | 1150 | 5406-20-16                  |
| 1 1/2"-11 1/2 | 1/2"-14        | 1000 | 5406-24-8                   |
| 1 1/2"-11 1/2 | 3/4"-14        | 1000 | 5406-24-12                  |
| 1 1/2"-11 1/2 | 1"-11 1/2      | 1000 | 5406-24-16                  |
| 1 1/2"-11 1/2 | 1 1/4"-11 1/2  | 1000 | 5406-24-20                  |
| 2"-11 1/2"    | 1/2"-14        | 1000 | 5406-32-8                   |
| 2"-11 1/2"    | 3/4"-14        | 1000 | 5406-32-12                  |
| 2"-11 1/2"    | 1"-11 1/2      | 1000 | 5406-32-16                  |
| 2"-11 1/2"    | 1 1/4"-11 1/2  | 1000 | 5406-32-20                  |
| 2"-11 1/2"    | 1 1/2"-11 1/2  | 1000 | 5406-32-24                  |



## NPTF

## Features:

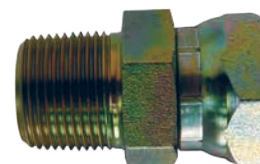
- compact design provides ease of assembly in confining areas
- designed to prevent hose stress due to twisting during assembly
- female NPSM swivel seals on a 30° seat
- male NPTF must have a 30° chamfer to seal

## Features:

- reference SAE 140130
- pressure rating at **70°F (21°C)**

## Male x Female NPSM Swivel Adapters

| Male NPTF     | Female NPSM Swivel | PSI  | Zinc Plated Steel Part # |
|---------------|--------------------|------|--------------------------|
| 1/8"-27       | 1/8"-27            | 5000 | 1404-2-2                 |
| 1/8"-27       | 1/4"-18            | 4500 | 1404-2-4                 |
| 1/4"-18       | 1/4"-18            | 4500 | 1404-4-4                 |
| 1/4"-18       | 3/8"-18            | 4000 | 1404-4-6                 |
| 3/8"-18       | 1/4"-18            | 4000 | 1404-6-4                 |
| 3/8"-18       | 3/8"-18            | 4000 | 1404-6-6                 |
| 3/8"-18       | 1/2"-14            | 4000 | 1404-6-8                 |
| 1/2"-14       | 3/8"-18            | 3000 | 1404-8-6                 |
| 1/2"-14       | 1/2"-14            | 3000 | 1404-8-8                 |
| 1/2"-14       | 3/4"-14            | 3000 | 1404-8-12                |
| 3/4"-14       | 1/2"-14            | 2500 | 1404-12-8                |
| 3/4"-14       | 3/4"-14            | 2500 | 1404-12-12               |
| 1"-11 1/2     | 1"-11 1/2          | 2000 | 1404-16-16               |
| 1 1/4"-11 1/2 | 1 1/4"-11 1/2      | 1150 | 1404-20-20               |
| 1 1/2"-11 1/2 | 1 1/2"-11 1/2      | 1000 | 1404-24-24               |
| 2"-11 1/2     | 2"-11 1/2          | 1000 | 1404-32-32               |



## Features:

- reference SAE 140138
- pressure rating at **70°F (21°C)**

## Female Hex Pipe Couplings

| Female NPTF   | Female NPTF   | PSI  | Zinc Plated Steel Part # |
|---------------|---------------|------|--------------------------|
| 1/8"-27       | 1/8"-27       | 5000 | 5000-2                   |
| 1/4"-18       | 1/4"-18       | 5000 | 5000-4                   |
| 3/8"-18       | 1/4"-18       | 4000 | 5000-6-4                 |
| 3/8"-18       | 3/8"-18       | 4000 | 5000-6                   |
| 1/2"-14       | 3/8"-18       | 3000 | 5000-8-6                 |
| 1/2"-14       | 1/2"-14       | 3000 | 5000-8                   |
| 3/4"-14       | 3/4"-14       | 2500 | 5000-12                  |
| 1"-11 1/2     | 3/4"-14       | 2000 | 5000-16-12               |
| 1"-11 1/2     | 1"-11 1/2     | 2000 | 5000-16                  |
| 1 1/4"-11 1/2 | 1 1/4"-11 1/2 | 1150 | 5000-20                  |



## Features:

- reference SAE 140131
- pressure rating at **70°F (21°C)**

## Female x Female NPSM Swivel Nuts

| Female NPTF   | Female NPSM Swivel | PSI  | Zinc Plated Steel Part # |
|---------------|--------------------|------|--------------------------|
| 1/8"-27       | 1/8"-27            | 5000 | 1405-2-2                 |
| 1/4"-18       | 1/4"-18            | 4500 | 1405-4-4                 |
| 3/8"-18       | 1/4"-18            | 4000 | 1405-6-4                 |
| 3/8"-18       | 3/8"-18            | 4000 | 1405-6-6                 |
| 3/8"-18       | 1/2"-14            | 4000 | 1405-6-8                 |
| 1/2"-14       | 1/2"-14            | 3000 | 1405-8-8                 |
| 3/4"-14       | 1/2"-14            | 2500 | 1405-12-8                |
| 3/4"-14       | 3/4"-14            | 2500 | 1405-12-12               |
| 1"-11 1/2     | 1"-11 1/2          | 2000 | 1405-16-16               |
| 1 1/4"-11 1/2 | 1 1/4"-11 1/2      | 1150 | 1405-20-20               |
| 1 1/2"-11 1/2 | 1 1/2"-11 1/2      | 1000 | 1405-24-24               |
| 2"-11 1/2     | 2"-11 1/2          | 1000 | 1405-32-32               |



## Features:

- reference SAE 140237
- pressure rating at **70°F (21°C)**

## 90° Male x Male Elbows

| Male NPTF | Male NPTF | PSI  | Zinc Plated Steel Part # |
|-----------|-----------|------|--------------------------|
| 1/4"-18   | 1/4"-18   | 5000 | 5500-4                   |
| 3/8"-18   | 3/8"-18   | 4000 | 5500-6                   |
| 1/2"-14   | 1/2"-14   | 3000 | 5500-8                   |
| 3/4"-14   | 3/4"-14   | 2500 | 5500-12                  |
| 1"-11 1/2 | 1"-11 1/2 | 2000 | 5500-16                  |



## NPTF



## 90° Male x Female Street Elbows

## Features:

- reference 140239
- pressure rating at 70°F (21°C)

| Male NPTF     | Female NPTF   | PSI  | Zinc Plated Steel Part # |
|---------------|---------------|------|--------------------------|
| 1/4"-18       | 1/4"-18       | 5000 | 5502-4                   |
| 3/8"-18       | 3/8"-18       | 4000 | 5502-6                   |
| 1/2"-14       | 1/2"-14       | 3000 | 5502-8                   |
| 3/4"-14       | 3/4"-14       | 2500 | 5502-12                  |
| 1"-11 1/2     | 1"-11 1/2     | 2000 | 5502-16                  |
| 1 1/4"-11 1/2 | 1 1/4"-11 1/2 | 1150 | 5502-20                  |

## 90° Male x Female NPSM Swivel Nut Elbows

## Features:

- reference SAE 140230
- pressure rating at 70°F (21°C)



| Male NPTF     | Female NPSM Swivel | PSI  | Zinc Plated Steel Part # |
|---------------|--------------------|------|--------------------------|
| 1/8"-27       | 1/8"-27            | 5000 | 1501-2-2                 |
| 1/4"-18       | 1/4"-18            | 4500 | 1501-4-4                 |
| 1/4"-18       | 3/8"-18            | 4000 | 1501-4-6                 |
| 3/8"-18       | 1/4"-18            | 4000 | 1501-6-4                 |
| 3/8"-18       | 3/8"-18            | 4000 | 1501-6-6                 |
| 3/8"-18       | 1/2"-14            | 4000 | 1501-6-8                 |
| 1/2"-14       | 3/8"-18            | 3000 | 1501-8-6                 |
| 1/2"-14       | 1/2"-14            | 3000 | 1501-8-8                 |
| 1/2"-14       | 3/4"-14            | 3000 | 1501-8-12                |
| 3/4"-14       | 1/2"-14            | 2500 | 1501-12-8                |
| 3/4"-14       | 3/4"-14            | 2500 | 1501-12-12               |
| 3/4"-14       | 1"-11 1/2          | 2000 | 1501-12-16               |
| 1"-11 1/2     | 3/4"-14            | 2000 | 1501-16-12               |
| 1"-11 1/2     | 1"-11 1/2          | 2000 | 1501-16-16               |
| 1"-11 1/2     | 1 1/4"-11 1/2      | 1150 | 1501-16-20               |
| 1 1/4"-11 1/2 | 1 1/4"-11 1/2      | 1150 | 1501-20-20               |

## 90° Female Pipe Elbows

## Features:

- reference SAE 140237
- pressure rating at 70°F (21°C)



| Female NPTF | Female NPTF | PSI  | Zinc Plated Steel Part # |
|-------------|-------------|------|--------------------------|
| 1/8"-27     | 1/8"-27     | 5000 | 5504-2                   |
| 1/4"-18     | 1/4"-18     | 5000 | 5504-4                   |
| 3/8"-18     | 3/8"-18     | 4000 | 5504-6                   |
| 1/2"-14     | 1/2"-14     | 3000 | 5504-8                   |
| 3/4"-14     | 3/4"-14     | 2500 | 5504-12                  |
| 1"-11 1/2   | 1"-11 1/2   | 2000 | 5504-16                  |

## 90° Female x Female NPSM Swivel Nut Elbows

## Features:

- reference SAE 140251
- pressure rating at 70°F (21°C)



| Female NPTF | Female NPSM Swivel | PSI  | Zinc Plated Steel Part # |
|-------------|--------------------|------|--------------------------|
| 1/4"-18     | 1/4"-18            | 4500 | 1502-4-4                 |
| 3/8"-18     | 3/8"-18            | 4000 | 1502-6-6                 |
| 1/2"-14     | 1/2"-14            | 3000 | 1502-8-8                 |
| 3/4"-14     | 3/4"-14            | 2500 | 1502-12-12               |
| 1"-11 1/2   | 1"-11 1/2          | 2000 | 1502-16-16               |

## 45° Male x Female NPSM Swivel Nut Elbows

## Features:

- reference SAE 140330
- pressure rating at 70°F (21°C)



| Male NPTF | Female NPSM Swivel | PSI  | Zinc Plated Steel Part # |
|-----------|--------------------|------|--------------------------|
| 1/4"-18   | 1/4"-18            | 4500 | 1503-4-4                 |
| 3/8"-18   | 3/8"-18            | 4000 | 1503-6-6                 |
| 1/2"-14   | 1/2"-14            | 3000 | 1503-8-8                 |
| 3/4"-14   | 3/4"-14            | 2500 | 1503-12-12               |
| 1"-11 1/2 | 1"-11 1/2          | 2000 | 1503-16-16               |

## NPTF Male Pipe Tees

**Features:**

- reference SAE 140437
- pressure rating at **70°F (21°C)**

| Male<br>NPTF (3) | PSI         | <i>Zinc Plated Steel</i><br>Part # |
|------------------|-------------|------------------------------------|
| ¼"-18            | <b>5000</b> | <b>5600-4</b>                      |
| ⅜"-18            | <b>4000</b> | <b>5600-6</b>                      |
| ½"-14            | <b>3000</b> | <b>5600-8</b>                      |
| ¾"-14            | <b>2500</b> | <b>5600-12</b>                     |
| 1"-11½           | <b>2000</b> | <b>5600-16</b>                     |



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### Male x Female Pipe Tees

**Features:**

- reference SAE 140427
- pressure rating at **70°F (21°C)**

| Male<br>NPTF (2) | Female<br>NPTF | PSI         | <i>Zinc Plated Steel</i><br>Part # |
|------------------|----------------|-------------|------------------------------------|
| ¼"-18            | ¼"-18          | <b>5000</b> | <b>5601-4</b>                      |
| ⅜"-18            | ⅜"-18          | <b>4000</b> | <b>5601-6</b>                      |
| ½"-14            | ½"-14          | <b>3000</b> | <b>5601-8</b>                      |
| ¾"-14            | ¾"-14          | <b>2500</b> | <b>5601-12</b>                     |
| 1"-11½           | 1"-11½         | <b>2000</b> | <b>5601-16</b>                     |



### Female x Male Branch Tees

**Features:**

- reference SAE 140425
- pressure rating at **70°F (21°C)**

| Female<br>NPTF (2) | Male<br>NPTF | PSI         | <i>Zinc Plated Steel</i><br>Part # |
|--------------------|--------------|-------------|------------------------------------|
| ¼"-18              | ¼"-18        | <b>5000</b> | <b>5604-4</b>                      |
| ⅜"-18              | ⅜"-18        | <b>4000</b> | <b>5604-6</b>                      |
| ½"-14              | ½"-14        | <b>3000</b> | <b>5604-8</b>                      |
| ¾"-14              | ¾"-14        | <b>2500</b> | <b>5604-12</b>                     |
| 1"-11½             | 1"-11½       | <b>2000</b> | <b>5604-16</b>                     |



### Female Pipe Tees

**Features:**

- reference 140438
- pressure rating at **70°F (21°C)**

| Female<br>NPTF (3) | PSI         | <i>Zinc Plated Steel</i><br>Part # |
|--------------------|-------------|------------------------------------|
| ¼"-18              | <b>5000</b> | <b>5605-4</b>                      |
| ⅜"-18              | <b>4000</b> | <b>5605-6</b>                      |
| ½"-14              | <b>3000</b> | <b>5605-8</b>                      |
| ¾"-14              | <b>2500</b> | <b>5605-12</b>                     |
| 1"-11½             | <b>2000</b> | <b>5605-16</b>                     |



### Male x Female Run Tees

**Features:**

- reference 140424
- pressure rating at **70°F (21°C)**

| Male<br>NPTF | Female<br>NPTF (2) | PSI         | <i>Zinc Plated Steel</i><br>Part # |
|--------------|--------------------|-------------|------------------------------------|
| ⅛"-27        | ⅛"-27              | <b>5000</b> | <b>5602-2</b>                      |
| ¼"-18        | ¼"-18              | <b>5000</b> | <b>5602-4</b>                      |
| ⅜"-18        | ⅜"-18              | <b>4000</b> | <b>5602-6</b>                      |
| ½"-14        | ½"-14              | <b>3000</b> | <b>5602-8</b>                      |
| ¾"-14        | ¾"-14              | <b>2500</b> | <b>5602-12</b>                     |
| 1"-11½       | 1"-11½             | <b>2000</b> | <b>5602-16</b>                     |
| 1-¼"-11½     | 1-¼"-11½           | <b>1150</b> | <b>5602-20</b>                     |
| 1-½"-11½     | 1-½"-11½           | <b>1000</b> | <b>5602-24</b>                     |





## NPTF

## Female Hex Caps

## Feature:

- pressure rating at 70°F (21°C)



| Female NPTF | PSI  | Zinc Plated Steel Part # |
|-------------|------|--------------------------|
| 1/8"-27     | 5000 | 5406C-2                  |
| 1/4"-18     | 5000 | 5406C-4                  |
| 3/8"-18     | 4000 | 5406C-6                  |
| 1/2"-14     | 3000 | 5406C-8                  |
| 3/4"-14     | 2500 | 5406C-12                 |
| 1"-11½      | 2000 | 5406C-16                 |
| 1¼"-11½     | 1150 | 5406C-20                 |
| 1½"-11½     | 1000 | 5406C-24                 |

## Male Hex Plugs

## Features:

- reference SAE 130109C
- pressure rating at 70°F (21°C)



| Male NPTF | PSI  | Zinc Plated Steel Part # |
|-----------|------|--------------------------|
| 1/8"-27   | 5000 | 1251-02H                 |
| 1/4"-18   | 5000 | 1251-04H                 |
| 3/8"-18   | 4000 | 1251-06H                 |
| 1/2"-14   | 3000 | 1251-08H                 |
| 3/4"-14   | 2500 | 1251-12H                 |
| 1"-11½    | 2000 | 1251-16H                 |
| 1¼"-11½   | 1150 | 1251-20H                 |

## Male JIC 37° Flare x Male Metric Parallel Thread

## Feature:

- pressure rating at 70°F (21°C)



| Male JIC 37° Flare | Male Metric Parallel | Zinc Plated Steel Part # |
|--------------------|----------------------|--------------------------|
| 7/16"-20           | M10X1.0              | M7400-4-10               |
| 7/16"-20           | M12X1.5              | M7400-4-12               |
| 9/16"-18           | M14X1.5              | M7400-6-14               |
| 9/16"-18           | M16X1.5              | M7400-6-16               |
| ¾"-16              | M16X1.5              | M7400-8-16               |
| ¾"-16              | M18X1.5              | M7400-8-18               |
| 1-1/16"-12         | M22X1.5              | M7400-12-22              |
| 1-1/16"-12         | M27X2.0              | M7400-12-27              |
| 1-5/16"-12         | M33X2.0              | M7400-16-33              |

## Female Pipe x Male Metric Parallel Thread

## Feature:

- pressure rating at 70°F (21°C)



| Female NPTF | Male Metric Parallel | Zinc Plated Steel Part # |
|-------------|----------------------|--------------------------|
| 1/4"-18     | M12X1.5              | M7455-4-12               |
| 1/4"-18     | M14X1.5              | M7455-4-14               |
| 3/8"-18     | M16X1.5              | M7455-6-16               |
| 3/8"-18     | M18X1.5              | M7455-6-18               |
| 1/2"-14     | M16X1.5              | M7455-8-16               |
| 1/2"-14     | M18X1.5              | M7455-8-18               |
| 1/2"-14     | M22X1.5              | M7455-8-22               |
| 3/4"-14     | M27X2.0              | M7455-12-27              |
| 1"-11½      | M33X2.0              | M7455-16-33              |

## British Standard Pipe Parallel (BSPP)

## Male JIC 37° Flare x Male

## Feature:

- pressure rating at 70°F (21°C)

| Male JIC<br>37° Flare | Male<br>BSPP | PSI  | Zinc Plated Steel<br>Part # |
|-----------------------|--------------|------|-----------------------------|
| 7/16"-20              | ¼"-19        | 5000 | <b>B3800-4-4</b>            |
| 9/16"-18              | ⅜"-19        | 4000 | <b>B3800-6-6</b>            |
| ¾"-16                 | ½"-14        | 3000 | <b>B3800-8-8</b>            |
| 1-1/16"-12            | ¾"-14        | 2500 | <b>B3800-12-12</b>          |
| 1-5/16"-12            | 1"-11        | 2000 | <b>B3800-16-16</b>          |



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## Male NPTF x Male

## Feature:

- pressure rating at 70°F (21°C)

| Male<br>NPTF | Male<br>BSPP | PSI  | Zinc Plated Steel<br>Part # |
|--------------|--------------|------|-----------------------------|
| ¼"-18        | ¼"-19        | 5000 | <b>B3401-4-4</b>            |
| ⅜"-18        | ⅜"-19        | 4000 | <b>B3401-6-6</b>            |
| ½"-14        | ½"-14        | 3000 | <b>B3401-8-8</b>            |
| ¾"-14        | ¾"-14        | 2500 | <b>B3401-12-12</b>          |
| 1"-11½       | 1"-11        | 2000 | <b>B3401-16-16</b>          |



## Female NPTF x Male

## Feature:

- pressure rating at 70°F (21°C)

| Female<br>NPTF | Male<br>BSPP | PSI  | Zinc Plated Steel<br>Part # |
|----------------|--------------|------|-----------------------------|
| ¼"-18          | ¼"-19        | 5000 | <b>B3455-4-4</b>            |
| ⅜"-18          | ⅜"-19        | 4000 | <b>B3455-6-6</b>            |
| ½"-14          | ½"-14        | 3000 | <b>B3455-8-8</b>            |
| ¾"-14          | ¾"-14        | 2500 | <b>B3455-12-12</b>          |
| 1"-11½         | 1"-11        | 2000 | <b>B3455-16-16</b>          |



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## Male JIC 37° Flare x Male 90° Elbow

## Feature:

- pressure rating at 70°F (21°C)

| Male JIC<br>37° Flare | Male<br>BSPP | PSI  | Zinc Plated Steel<br>Part # |
|-----------------------|--------------|------|-----------------------------|
| 7/16"-20              | ¼"-19        | 5000 | <b>B3801-4-4</b>            |
| 9/16"-18              | ⅜"-19        | 4000 | <b>B3801-6-6</b>            |
| ¾"-16                 | ½"-14        | 3000 | <b>B3801-8-8</b>            |
| 1-1/16"-12            | ¾"-14        | 2500 | <b>B3801-12-12</b>          |
| 1-5/16"-12            | 1"-11        | 2000 | <b>B3801-16-16</b>          |



## Bonded Dowty Seal for British Thread

## Feature:

- pressure rating at 70°F (21°C)

| Size  | Plated Carbon Steel with Buna O-ring<br>Part # |
|-------|--|
| ¼"-19 | <b>BDS04</b>                                   |
| ⅜"-19 | <b>BDS06</b>                                   |
| ½"-14 | <b>BDS08</b>                                   |
| ¾"-14 | <b>BDS12</b>                                   |
| 1"-11 | <b>BDS16</b>                                   |



## Hydraulic 4-Bolt Flanges

### Features:

- flat face flange must be used with O-ring flange
- code 61 - standard pressure; code 62 - high pressure
- makes installation of components easier, especially in applications with limited space
- bolt kit with Buna O-ring included with O-ring flange
- no bolt kit is included with flat face flange
- also available in 316L stainless, contact Dixon® for more information

### Hydraulic 4-Bolt Flange NPTF Port

| Port Size | Pad Size | NPTF Thread   | Code 61 Carbon Steel |                      |                 |                      |
|-----------|----------|---------------|----------------------|----------------------|-----------------|----------------------|
|           |          |               | O-ring               |                      | Flat Face       |                      |
|           |          |               | Previous Part #      | Part #               | Previous Part # | Part #               |
| 1/2"      | 1/2"     | 1/2"-14       | W43-8-8-U            | <b>C6143K0808NPT</b> | W104-8-8        | <b>C611040808NPT</b> |
| 3/4"      | 3/4"     | 3/4"-14       | W43-12-12-U          | <b>C6143K1212NPT</b> | W104-12-12      | <b>C611041212NPT</b> |
| 1"        | 1"       | 1"-11 1/2     | W43-16-16-U          | <b>C6143K1616NPT</b> | W104-16-16      | <b>C611041616NPT</b> |
| 1 1/4"    | 1 1/4"   | 1 1/4"-11 1/2 | W43-20-20-U          | <b>C6143K2020NPT</b> | W104-20-20      | <b>C611042020NPT</b> |
| 1 1/2"    | 1 1/2"   | 1 1/2"-11 1/2 | W43-24-24-U          | <b>C6143K2424NPT</b> | W104-24-24      | <b>C611042424NPT</b> |
| 2"        | 2"       | 2"-11 1/2     | W43-32-32-U          | <b>C6143K3232NPT</b> | W104-32-32      | <b>C611043232NPT</b> |
| 2 1/2"    | 2 1/2"   | 2 1/2"-8      | W43-40-40-U          | <b>C6143K4040NPT</b> | W104-40-40      | <b>C611044040NPT</b> |
| 3"        | 3"       | 3"-8          | W43-48-48-U          | <b>C6143K4848NPT</b> | W104-48-48      | <b>C611044848NPT</b> |



| Port Size | Pad Size | NPTF Thread   | Code 62 Carbon Steel |                      |                 |                     |
|-----------|----------|---------------|----------------------|----------------------|-----------------|---------------------|
|           |          |               | O-ring               |                      | Flat Face       |                     |
|           |          |               | Previous Part #      | Part #               | Previous Part # | Part #              |
| 1/2"      | 1/2"     | 1/2"-14       | W44-8-8-U            | <b>C6244K0808NPT</b> | W45-8-8         | <b>C62450808NPT</b> |
| 3/4"      | 3/4"     | 3/4"-14       | W44-12-12-U          | <b>C6244K1212NPT</b> | W45-12-12       | <b>C62451212NPT</b> |
| 1"        | 1"       | 1"-11 1/2     | W44-16-16-U          | <b>C6244K1616NPT</b> | W45-16-16       | <b>C62451616NPT</b> |
| 1 1/4"    | 1 1/4"   | 1 1/4"-11 1/2 | W44-20-20-U          | <b>C6244K2020NPT</b> | W45-20-20       | <b>C62452020NPT</b> |
| 1 1/2"    | 1 1/2"   | 1 1/2"-11 1/2 | W44-24-24-U          | <b>C6244K2424NPT</b> | W45-24-24       | <b>C62452424NPT</b> |
| 2"        | 2"       | 2"-11 1/2     | W44-32-32-U          | <b>C6244K3232NPT</b> | W45-32-32       | <b>C62453232NPT</b> |

### Hydraulic 4-Bolt Flange SAE Port

| Port Size | Pad Size | UN/UNF-2B Thread | Code 61 Carbon Steel |                                   |                 |                      |
|-----------|----------|------------------|----------------------|-----------------------------------|-----------------|----------------------|
|           |          |                  | O-ring               |                                   | Flat Face       |                      |
|           |          |                  | Previous Part #      | Part #                            | Previous Part # | Part #               |
| 1/2"      | 1/2"     | 3/4"-16          | W46-8-8-U            | <b>C6146K0808SAE</b>              | W106-8-8        | <b>C611060808SAE</b> |
| 3/4"      | 3/4"     | 1 1/16"-12       | W46-12-12-U          | <b>C6146K1212SAE</b>              | W106-12-12      | <b>C611061212SAE</b> |
| 1"        | 1"       | 1 5/16"-12       | W46-16-16-U          | <b>C6146K1616SAE</b>              | W106-16-16      | <b>C611061616SAE</b> |
| 1 1/4"    | 1 1/4"   | 1 5/8"-12        | W46-20-20-U          | <b>C6146K2020SAE</b>              | W106-20-20      | <b>C611062020SAE</b> |
| 1 1/2"    | 1 1/2"   | 1 7/8"-12        | W46-24-24-U          | <b>C6146K2424SAE</b>              | W106-24-24      | <b>C611062424SAE</b> |
| 2"        | 2"       | 2 1/2"-12        | W46-32-32-U          | <b>C6146K3232SAE</b> <sup>1</sup> | W106-32-32      | <b>C611063232SAE</b> |

<sup>1</sup> 1000 PSI maximum

| Port Size | Pad Size | UN/UNF-2B Thread | Code 62 Carbon Steel |                      |                 |                     |
|-----------|----------|------------------|----------------------|----------------------|-----------------|---------------------|
|           |          |                  | O-ring               |                      | Flat Face       |                     |
|           |          |                  | Previous Part #      | Part #               | Previous Part # | Part #              |
| 1/2"      | 1/2"     | 3/4"-16          | W48-8-8-U            | <b>C6248K0808SAE</b> | W49-8-8         | <b>C62490808SAE</b> |
| 3/4"      | 3/4"     | 1 1/16"-12       | W48-12-12-U          | <b>C6248K1212SAE</b> | W49-12-12       | <b>C62491212SAE</b> |
| 1"        | 1"       | 1 5/16"-12       | W48-16-16-U          | <b>C6248K1616SAE</b> | W49-16-16       | <b>C62491616SAE</b> |
| 1 1/4"    | 1 1/4"   | 1 5/8"-12        | W48-20-20-U          | <b>C6248K2020SAE</b> | W49-20-20       | <b>C62492020SAE</b> |
| 1 1/2"    | 1 1/2"   | 1 7/8"-12        | W48-24-24-U          | <b>C6248K2424SAE</b> | W49-24-24       | <b>C62492424SAE</b> |
| 2"        | 2"       | 2 1/2"-12        | W48-32-32-U          | <b>C6248K3232SAE</b> | W49-32-32       | <b>C62493232SAE</b> |



• For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Hydraulic 4-Bolt Flanges

## Hydraulic 4-Bolt Flange Pipe Socket Weld

| Port Size | Pad Size | Code 61 Carbon Steel |                     |                 |                     |
|-----------|----------|----------------------|---------------------|-----------------|---------------------|
|           |          | O-ring               |                     | Flat Face       |                     |
|           |          | Previous Part #      | Part #              | Previous Part # | Part #              |
| 1/2"      | 1/2"     | W4-8-8-U             | <b>C614K0808PSW</b> | W61-8-8         | <b>C61610808PSW</b> |
| 3/4"      | 3/4"     | W4-12-12-U           | <b>C614K1212PSW</b> | W61-12-12       | <b>C61611212PSW</b> |
| 1"        | 1"       | W4-16-16-U           | <b>C614K1616PSW</b> | W61-16-16       | <b>C61611616PSW</b> |
| 1 1/4"    | 1 1/4"   | W4-20-20-U           | <b>C614K2020PSW</b> | W61-20-20       | <b>C61612020PSW</b> |
| 1 1/2"    | 1 1/2"   | W4-24-24-U           | <b>C614K2424PSW</b> | W61-24-24       | <b>C61612424PSW</b> |
| 2"        | 2"       | W4-32-32-U           | <b>C614K3232PSW</b> | W61-32-32       | <b>C61613232PSW</b> |
| 2 1/2"    | 2 1/2"   | W4-40-40-U           | <b>C614K4040PSW</b> | W61-40-40       | <b>C61614040PSW</b> |
| 3"        | 3"       | W4-48-48-U           | <b>C614K4848PSW</b> | W61-48-48       | <b>C61614848PSW</b> |

| Port Size | Pad Size | Code 62 Carbon Steel |                      |                 |                     |
|-----------|----------|----------------------|----------------------|-----------------|---------------------|
|           |          | O-ring               |                      | Flat Face       |                     |
|           |          | Previous Part #      | Part #               | Previous Part # | Part #              |
| 1/2"      | 1/2"     | W59-8-8-U            | <b>C6259K0808PSW</b> | W60-8-8         | <b>C62600808PSW</b> |
| 3/4"      | 3/4"     | W59-12-12-U          | <b>C6259K1212PSW</b> | W60-12-12       | <b>C62601212PSW</b> |
| 1"        | 1"       | W59-16-16-U          | <b>C6259K1616PSW</b> | W60-16-16       | <b>C62601616PSW</b> |
| 1 1/4"    | 1 1/4"   | W59-20-20-U          | <b>C6259K2020PSW</b> | W60-20-20       | <b>C62602020PSW</b> |
| 1 1/2"    | 1 1/2"   | W59-24-24-U          | <b>C6259K2424PSW</b> | W60-24-24       | <b>C62602424PSW</b> |
| 2"        | 2"       | W59-32-32-U          | <b>C6259K3232PSW</b> | W60-32-32       | <b>C62603232PSW</b> |
| 2 1/2"    | 2 1/2"   | W59-40-40-U          | <b>C6259K4040PSW</b> | W60-40-40       | <b>C62604040PSW</b> |
| 3"        | 3"       | W59-48-48-U          | <b>C6259K4848PSW</b> | W60-48-48       | <b>C62604848PSW</b> |



Hydraulic Fittings

## Pressure Ratings of SAE Flanges

## Code 61 SAE J518-1 / ISO 6162-1

| Dash Size | Size   | Maximum Working Pressure |      | Fastener Torque Value |
|-----------|--------|--------------------------|------|-----------------------|
|           |        | PSI                      | MPa  | Grade 8 UNC (lb-ft)   |
| -8        | 1/2"   | 5000                     | 35   | 24                    |
| -12       | 3/4"   | 5000                     | 35   | 44                    |
| -16       | 1"     | 4600                     | 32   | 44                    |
| -20       | 1 1/4" | 4000                     | 28   | 68                    |
| -24       | 1 1/2" | 3000                     | 21   | 111                   |
| -32       | 2"     | 3000                     | 21   | 111                   |
| -40       | 2 1/2" | 2500                     | 17.5 | 111                   |
| -48       | 3"     | 2300                     | 16   | 218                   |
| -56       | 3 1/2" | 500                      | 3.5  | 218                   |
| -64       | 4"     | 500                      | 3.5  | 218                   |
| -80       | 5"     | 500                      | 3.5  | 218                   |

- Connection type opposite 4-bolt flange connection can de-rate maximum working pressure.

## Code 62 SAE J518-2 / ISO 6162-2

| Dash Size | Size   | Maximum Working Pressure |     | Fastener Torque Value |
|-----------|--------|--------------------------|-----|-----------------------|
|           |        | PSI                      | MPa | Grade 8 UNC (lb-ft)   |
| -8        | 1/2"   | 6000                     | 40  | 24                    |
| -12       | 3/4"   | 6000                     | 40  | 44                    |
| -16       | 1"     | 6000                     | 40  | 68                    |
| -20       | 1 1/4" | 6000                     | 40  | 111                   |
| -24       | 1 1/2" | 6000                     | 40  | 218                   |
| -32       | 2"     | 6000                     | 40  | 332                   |
| -40       | 2 1/2" | 6000                     | 40  | 380                   |
| -48       | 3"     | 6000                     | 40  | 667                   |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).



## Code 61 / Code 62 Split Flange Kits

### Features:

- for tube, hose end and split flange adapter connections
- kits include 2 split flange halves, 4 hex head screws and lockwashers, 1 Buna O-ring
- silver trivalent finish for high corrosion resistance
- also available in forged 316L stainless, contact Dixon® for more information

| Flange Size | Code 61 Forged Carbon Steel |                    | Code 62 Forged Carbon Steel |                    |
|-------------|-----------------------------|--------------------|-----------------------------|--------------------|
|             | Previous Part #             | Part #             | Previous Part #             | Part #             |
| 1/2"        | 8SFO                        | <b>C6108-SFKIT</b> | 8SF XO                      | <b>C6208-SFKIT</b> |
| 3/4"        | 12SFO                       | <b>C6112-SFKIT</b> | 12SF XO                     | <b>C6212-SFKIT</b> |
| 1"          | 16SFO                       | <b>C6116-SFKIT</b> | 16SF XO                     | <b>C6216-SFKIT</b> |
| 1 1/4"      | 20SFO                       | <b>C6120-SFKIT</b> | 20SF XO                     | <b>C6220-SFKIT</b> |
| 1 1/2"      | 24SFO                       | <b>C6124-SFKIT</b> | 24SF XO                     | <b>C6224-SFKIT</b> |
| 2"          | 32SFO                       | <b>C6132-SFKIT</b> | 32SF XO                     | <b>C6232-SFKIT</b> |
| 2 1/2"      | 40SFO                       | <b>C6140-SFKIT</b> | ---                         | ---                |
| 3"          | 48SFO                       | <b>C6148-SFKIT</b> | ---                         | ---                |

## Code 61 / Code 62 Flange Adapters

### Straight Flange x Male JIC Hydraulic Adapter



| JIC Thread | Tube OD | Flange Size | Code 61 Carbon Steel |                   | Code 62 Carbon Steel |                   |
|------------|---------|-------------|----------------------|-------------------|----------------------|-------------------|
|            |         |             | Previous Part #      | Part #            | Previous Part #      | Part #            |
| 3/4"-16    | 1/2"    | 1/2"        | 300-8-8              | <b>C6100F0808</b> | ---                  | ---               |
| 3/4"-16    | 1/2"    | 3/4"        | 300-8-12             | <b>C6100F0812</b> | ---                  | ---               |
| 1 1/16"-12 | 3/4"    | 3/4"        | 300-12-12            | <b>C6100F1212</b> | 600-12-12            | <b>C6200F1212</b> |
| 1 1/16"-12 | 3/4"    | 1"          | 300-12-16            | <b>C6100F1216</b> | 600-12-16            | <b>C6200F1216</b> |
| 1 5/16"-12 | 1"      | 3/4"        | 300-16-12            | <b>C6100F1612</b> | 600-16-12            | <b>C6200F1612</b> |
| 1 5/16"-12 | 1"      | 1"          | 300-16-16            | <b>C6100F1616</b> | 600-16-16            | <b>C6200F1616</b> |
| 1 5/16"-12 | 1"      | 1 1/4"      | 300-16-20            | <b>C6100F1620</b> | 600-16-20            | <b>C6200F1620</b> |
| 1 5/8"-12  | 1 1/4"  | 1"          | 300-20-16            | <b>C6100F2016</b> | 600-20-16            | <b>C6200F2016</b> |
| 1 5/8"-12  | 1 1/4"  | 1 1/4"      | 300-20-20            | <b>C6100F2020</b> | 600-20-20            | <b>C6200F2020</b> |
| 1 5/8"-12  | 1 1/4"  | 1 1/2"      | 300-20-24            | <b>C6100F2024</b> | 600-20-24            | <b>C6200F2024</b> |
| 1 7/8"-12  | 1 1/2"  | 1 1/2"      | 300-24-20            | <b>C6100F2420</b> | 600-24-20            | <b>C6200F2420</b> |
| 1 7/8"-12  | 1 1/2"  | 1 1/2"      | 300-24-24            | <b>C6100F2424</b> | 600-24-24            | <b>C6200F2424</b> |
| 1 7/8"-12  | 1 1/2"  | 2"          | 300-24-32            | <b>C6100F2432</b> | 600-24-32            | <b>C6200F2432</b> |
| 2 1/2"-12  | 2"      | 1 1/2"      | 300-32-24            | <b>C6100F3224</b> | 600-32-24            | <b>C6200F3224</b> |
| 2 1/2"-12  | 2"      | 2"          | 300-32-32            | <b>C6100F3232</b> | 600-32-32            | <b>C6200F3232</b> |

### 90° Flange Elbow x Male JIC Hydraulic Adapter



| JIC Thread | Tube OD | Flange Size | Code 61 Carbon Steel |                   | Code 62 Carbon Steel |                   |
|------------|---------|-------------|----------------------|-------------------|----------------------|-------------------|
|            |         |             | Previous Part #      | Part #            | Previous Part #      | Part #            |
| 3/4"-16    | 1/2"    | 3/4"        | 390-8-12             | <b>C6190F0812</b> | ---                  | ---               |
| 1 1/16"-12 | 3/4"    | 3/4"        | 390-12-12            | <b>C6190F1212</b> | 690-12-12            | <b>C6290F1212</b> |
| 1 1/16"-12 | 3/4"    | 1"          | 390-12-16            | <b>C6190F1216</b> | 690-12-16            | <b>C6290F1216</b> |
| 1 5/16"-12 | 1"      | 3/4"        | 390-16-12            | <b>C6190F1612</b> | 690-16-12            | <b>C6290F1612</b> |
| 1 5/16"-12 | 1"      | 1"          | 390-16-16            | <b>C6190F1616</b> | 690-16-16            | <b>C6290F1616</b> |
| 1 5/16"-12 | 1"      | 1 1/4"      | 390-16-20            | <b>C6190F1620</b> | 690-16-20            | <b>C6290F1620</b> |
| 1 5/8"-12  | 1 1/4"  | 1"          | 390-20-16            | <b>C6190F2016</b> | 690-20-16            | <b>C6290F2016</b> |
| 1 5/8"-12  | 1 1/4"  | 1 1/4"      | 390-20-20            | <b>C6190F2020</b> | 690-20-20            | <b>C6290F2020</b> |
| 1 5/8"-12  | 1 1/4"  | 1 1/2"      | 390-20-24            | <b>C6190F2024</b> | 690-20-24            | <b>C6290F2024</b> |
| 1 7/8"-12  | 1 1/2"  | 1 1/2"      | 390-24-24            | <b>C6190F2424</b> | 690-24-24            | <b>C6290F2424</b> |
| 1 7/8"-12  | 1 1/2"  | 2"          | 390-24-32            | <b>C6190F2432</b> | 690-24-32            | <b>C6290F2432</b> |
| 2 1/2"-12  | 2"      | 1 1/2"      | 390-32-24            | <b>C6190F3224</b> | 690-32-24            | <b>C6290F3224</b> |
| 2 1/2"-12  | 2"      | 2"          | 390-32-32            | <b>C6190F3232</b> | 690-32-32            | <b>C6290F3232</b> |

### 45° Flange Elbow x Male JIC Hydraulic Adapter



| JIC Thread | Tube OD | Flange Size | Code 61 Carbon Steel |                   | Code 62 Carbon Steel |                   |
|------------|---------|-------------|----------------------|-------------------|----------------------|-------------------|
|            |         |             | Previous Part #      | Part #            | Previous Part #      | Part #            |
| 1 1/16"-12 | 3/4"    | 3/4"        | 340-12-12            | <b>C6145F1212</b> | 640-12-12            | <b>C6245F1212</b> |
| 1 5/16"-12 | 1"      | 1"          | 340-16-16            | <b>C6145F1616</b> | 640-16-16            | <b>C6245F1616</b> |
| 1 5/8"-12  | 1 1/4"  | 1 1/4"      | 340-20-20            | <b>C6145F2020</b> | 640-20-20            | <b>C6245F2020</b> |
| 1 7/8"-12  | 1 1/2"  | 1 1/2"      | 340-24-24            | <b>C6145F2424</b> | 640-24-24            | <b>C6245F2424</b> |
| 2 1/2"-12  | 2"      | 2"          | 340-32-32            | <b>C6145F3232</b> | 640-32-32            | <b>C6245F3232</b> |



## Hydraulic Suction and Return Line Hose Couplings

**Application:**

- designed for hydraulic suction line applications using SAE100R4 hydraulic hose

**Feature:**

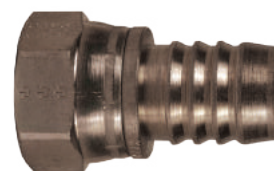
- barbs provide easy assembly and maximum gripping action

**Female SAE Stem**

| Hose ID | Male<br>NPTF | Plated Steel<br>Part # |
|---------|--------------|------------------------|
| 3/4"    | 3/4"-14      | <b>188-12</b>          |
| 1"      | 1"-11½       | <b>188-16</b>          |
| 1¼"     | 1¼"-11½      | <b>188-20</b>          |
| 1½"     | 1½"-11½      | <b>188-24</b>          |
| 2"      | 2"-11½       | <b>188-32</b>          |

**Female SAE 37° Swivel Stem**

| Hose ID | Male<br>NPTF | Plated Steel<br>Part # |
|---------|--------------|------------------------|
| 3/4"    | 1-1/16"-12   | <b>688-12</b>          |
| 1"      | 1-5/16"-12   | <b>688-16</b>          |
| 1¼"     | 1⅝"-12       | <b>688-20</b>          |
| 1½"     | 1⅞"-12       | <b>688-24</b>          |
| 2"      | 2½"-12       | <b>688-32</b>          |



- return line clamps must be used with these fittings

## Double Bolt Clamps

**Features:**

- inner surface has dual gripping ridges
- bolt lugs are reinforced to prevent bending out of alignment
- Torque values for clamps are based on dry bolts.
- The use of lubricant on bolts will adversely effect clamp performance.
- measure hose OD accurately before ordering clamps
- Consult Dixon® when using double bolt clamps on helical wire hose.



| Hose OD  |          | Plated Iron<br>Part #   | Torque<br>in ft. lbs. | Optional<br>Qty |
|----------|----------|-------------------------|-----------------------|-----------------|
| from     | to       |                         |                       |                 |
| 1-8/64"  | 1-12/64" | <b>J48</b>              | 15                    | 100             |
| 1-40/64" | 1-52/64" | <b>DL14</b>             | 40                    | 25              |
| 1-48/64" | 2-3/64"  | <b>DL20</b>             | 27                    | 25              |
| 2-7/64"  | 2-19/64" | <b>DL24<sup>1</sup></b> | 27                    | 25              |
| 2-20/64" | 2-40/64" | <b>DL32<sup>1</sup></b> | 40                    | 25              |



<sup>1</sup> investment cast carbon steel





## Hydraulic Hose Stems

### Features:

- stems have a collar behind the hex to engage clamp fingers
- reference clamps on page 75

| NPTF Size | Plated Steel<br>Part # |
|-----------|------------------------|
| 1/2"      | <b>HY4</b>             |
| 1"        | <b>HY8</b>             |

| NPTF Size | Plated Steel<br>Part # |
|-----------|------------------------|
| 1 1/4"    | <b>HY10</b>            |
| 1 1/2"    | <b>HY12</b>            |
| 2"        | <b>HY16</b>            |

## Hydraulic Hose Clamps For 1 Wire Hose

### Feature:


- for use only on 1 wire hydraulic hoses



| Hose ID | Hose OD  |          | Plated Iron<br>Part # | Torque in<br>ft. lbs. |
|---------|----------|----------|-----------------------|-----------------------|
|         | from     | to       |                       |                       |
| 3/8"    | 48/64"   | 50/64"   | <b>HD1-3</b>          | 12                    |
| 1/2"    | 56/64"   | 60/64"   | <b>HD1-4</b>          | 18                    |
| 3/4"    | 1-10/64" | 1-14/64" | <b>HD1-6</b>          | 18                    |
| 1"      | 1-29/64" | 1-35/64" | <b>HD1-8</b>          | 36                    |

## Hydraulic Hose Clamps For 1 or 2 Wire Hose

### Features:

- for use only on 1 or 2 wire hydraulic hoses
- This clamp *should not* be used on 4 or 6 wire hydraulic hose even when hose falls within recommended ranges. 



| Hose ID | Hose OD  |          | Plated Iron<br>Part # | Torque in<br>ft. lbs. |
|---------|----------|----------|-----------------------|-----------------------|
|         | from     | to       |                       |                       |
| 3/8"    | 50/64"   | 52/64"   | <b>HRC-037</b>        | 18                    |
| 1/2"    | 57/64"   | 1"       | <b>HRC-050</b>        | 18                    |
| 3/4"    | 1-16/64" | 1-20/64" | <b>HRC-075</b>        | 36                    |
| 1"      | 1-37/64" | 1-41/64" | <b>HRC-100</b>        | 64                    |
| 1 1/4"  | 1-54/64" | 1-62/64" | <b>HRC-125</b>        | 90                    |
| 1 1/2"  | 2-10/64" | 2-18/64" | <b>HRC-150</b>        | 90                    |
| 2"      | 2-43/64" | 2-52/64" | <b>HRC-200</b>        | 90                    |

## Inline Hydraulic Filters

### Features:

- provides protection for small, high pressure systems
- installs at the pressure side of a pump
- conically shaped bronze element positioned by a retaining spring to allow true, uninterrupted flow
- standard 25 micron bronze element can be easily cleaned or replaced
- temperature range: **35°F to 200°F (2°C to 93°C)**
- maximum operating pressure: **3000 PSI**



| Female SAE | Overall Length | Diameter | Plated Steel<br>Part # |
|------------|----------------|----------|------------------------|
| 9/16" - 18 | 3 1/4"         | 1 1/2"   | <b>9152</b>            |
| 3/4" - 16  | 3 1/4"         | 1 1/2"   | <b>9153</b>            |

## Pipe and Tube Clamps

## Applications:

- standard hydraulic applications, general pipe construction, electric cables, etc.
- *Standard and twin series clamps* are recommended for systems with less than 1500 PSI without dynamic loads.
- *Heavy duty clamps* are recommended for systems with greater than 1500 PSI operating pressure.

## Features:

- clamps are welded in place to secure the pipe or tubing
- polypropylene cushions reduce wear due to vibration
- kit includes clamp with weld plate, cover plate and bolts

## Standard Series

| Pipe Nom.<br>Bore/Tube OD | Length | Width | Height | Steel & Polypropylene<br>Part # |
|---------------------------|--------|-------|--------|---------------------------------|
| 1/8" pipe                 | 1.65"  | 1.18" | 1.30"  | <i>HST02P</i>                   |
| 1/4" pipe                 | 1.89"  | 1.18" | 1.54"  | <i>HST04P</i>                   |
| 1/4" tube                 | 1.65"  | 1.18" | 1.30"  | <i>HST04T</i>                   |
| 5/16" tube                | 1.65"  | 1.18" | 1.30"  | <i>HST05T</i>                   |
| 3/8" pipe                 | 1.89"  | 1.18" | 1.54"  | <i>HST06P</i>                   |
| 3/8" tube                 | 1.65"  | 1.18" | 1.30"  | <i>HST06T</i>                   |
| 1/2" pipe                 | 2.17"  | 1.18" | 1.61"  | <i>HST08P</i>                   |
| 1/2" tube                 | 1.89"  | 1.18" | 1.54"  | <i>HST08T</i>                   |
| 5/8" tube                 | 1.89"  | 1.18" | 1.54"  | <i>HST10T</i>                   |
| 3/4" pipe                 | 2.44"  | 1.18" | 1.89"  | <i>HST12P</i>                   |
| 3/4" tube                 | 2.17"  | 1.18" | 1.61"  | <i>HST12T</i>                   |
| 7/8" tube                 | 2.17"  | 1.18" | 1.61"  | <i>HST14T</i>                   |
| 1" pipe                   | 2.91"  | 1.18" | 2.52"  | <i>HST16P</i>                   |
| 1" tube                   | 2.17"  | 1.18" | 1.61"  | <i>HST16T</i>                   |
| 1 1/4" pipe               | 2.91"  | 1.18" | 2.52"  | <i>HST20P</i>                   |
| 1 1/4" tube               | 2.91"  | 1.18" | 2.52"  | <i>HST20T</i>                   |
| 1 1/2" pipe               | 3.46"  | 1.18" | 2.83"  | <i>HST24P</i>                   |
| 1 1/2" tube               | 2.91"  | 1.18" | 2.52"  | <i>HST24T</i>                   |
| 2" tube                   | 3.46"  | 1.18" | 2.83"  | <i>HST32T</i>                   |



## Twin Series

| Pipe Nom.<br>Bore/Tube OD | Length | Width | Height | Steel & Polypropylene<br>Part # |
|---------------------------|--------|-------|--------|---------------------------------|
| 1/8" pipe                 | 1.46"  | 1.18" | 1.36"  | <i>HTW02P</i>                   |
| 1/4" pipe                 | 1.46"  | 1.18" | 1.36"  | <i>HTW04P</i>                   |
| 1/4" tube                 | 1.46"  | 1.18" | 1.36"  | <i>HTW04T</i>                   |
| 5/16" tube                | 1.46"  | 1.18" | 1.36"  | <i>HTW05T</i>                   |
| 3/8" pipe                 | 2.17"  | 1.18" | 1.42"  | <i>HTW06P</i>                   |
| 3/8" tube                 | 1.46"  | 1.18" | 1.36"  | <i>HTW06T</i>                   |
| 1/2" pipe                 | 2.76"  | 1.18" | 1.85"  | <i>HTW08P</i>                   |
| 1/2" tube                 | 2.17"  | 1.18" | 1.42"  | <i>HTW08T</i>                   |
| 5/8" tube                 | 2.17"  | 1.18" | 1.42"  | <i>HTW10T</i>                   |
| 3/4" pipe                 | 3.35"  | 1.18" | 2.05"  | <i>HTW12P</i>                   |
| 3/4" tube                 | 2.76"  | 1.18" | 1.85"  | <i>HTW12T</i>                   |
| 7/8" tube                 | 2.76"  | 1.18" | 1.85"  | <i>HTW14T</i>                   |
| 1" pipe                   | 4.33"  | 1.18" | 2.52"  | <i>HTW16P</i>                   |
| 1" tube                   | 2.76"  | 1.18" | 1.85"  | <i>HTW16T</i>                   |
| 1 1/4" pipe               | 4.33"  | 1.18" | 2.52"  | <i>HTW20P</i>                   |
| 1 1/4" tube               | 4.33"  | 1.18" | 2.52"  | <i>HTW20T</i>                   |
| 1 1/2" tube               | 4.33"  | 1.18" | 2.52"  | <i>HTW24T</i>                   |



## Pipe and Tube Clamps

## Heavy Duty Series

Hydraulic Fittings



| Pipe Nom.<br>Bore/Tube OD | Length | Width | Height | Steel & Polypropylene<br>Part # |
|---------------------------|--------|-------|--------|---------------------------------|
| 1/8" pipe                 | 2.87"  | 1.18" | 1.89"  | <b>HHD02P</b>                   |
| 1/4" pipe                 | 2.87"  | 1.18" | 1.89"  | <b>HHD04P</b>                   |
| 1/4" tube                 | 2.87"  | 1.18" | 1.89"  | <b>HHD04T</b>                   |
| 5/16" tube                | 2.87"  | 1.18" | 1.89"  | <b>HHD05T</b>                   |
| 3/8" pipe                 | 2.87"  | 1.18" | 1.89"  | <b>HHD06P</b>                   |
| 3/8" tube                 | 2.87"  | 1.18" | 1.89"  | <b>HHD06T</b>                   |
| 1/2" pipe                 | 3.35"  | 1.18" | 2.52"  | <b>HHD08P</b>                   |
| 1/2" tube                 | 2.87"  | 1.18" | 1.89"  | <b>HHD08T</b>                   |
| 5/8" tube                 | 2.87"  | 1.18" | 1.89"  | <b>HHD10T</b>                   |
| 3/4" pipe                 | 3.35"  | 1.18" | 2.52"  | <b>HHD12P</b>                   |
| 3/4" tube                 | 3.35"  | 1.18" | 2.52"  | <b>HHD12T</b>                   |
| 7/8" tube                 | 3.35"  | 1.18" | 2.52"  | <b>HHD14T</b>                   |
| 1" pipe                   | 3.94"  | 1.18" | 2.99"  | <b>HHD16P</b>                   |
| 1" tube                   | 3.35"  | 1.18" | 2.52"  | <b>HHD16T</b>                   |
| 1 1/4" pipe               | 5.51"  | 1.77" | 4.33"  | <b>HHD20P</b>                   |
| 1 1/4" tube               | 3.94"  | 1.18" | 2.99"  | <b>HHD20T</b>                   |
| 1 1/2" pipe               | 5.51"  | 1.77" | 4.33"  | <b>HHD24P</b>                   |
| 1 1/2" tube               | 3.94"  | 1.18" | 2.99"  | <b>HHD24T</b>                   |
| 2" pipe                   | 5.51"  | 1.77" | 4.33"  | <b>HHD32P</b>                   |
| 2" tube                   | 5.51"  | 1.77" | 4.33"  | <b>HHD32T</b>                   |

|                                |                 |                            |                 |
|--------------------------------|-----------------|----------------------------|-----------------|
| Ball .....                     | 532 to 546      | Needle .....               | 552 to 553, 555 |
| Bronze .....                   | 532 to 534, 537 | Mini .....                 | 552             |
| Domestic .....                 | 532             | Multiport .....            | 552             |
| Full port .....                | 532             | Block and bleed .....      | 553             |
| Locking handle .....           | 533             | Female x female .....      | 555             |
| 250 lb. steam .....            | 534             |                            |                 |
| Safety vented .....            | 534             | Button & Tank Filler ..... | 554             |
| With NPT tap for drain .....   | 534             | External Drains .....      | 554             |
| Dual Y .....                   | 537             |                            |                 |
| 3-way diverting L flow .....   | 538             | Check .....                | 556 to 560      |
| Brass .....                    | 533, 535 to 538 | Safety .....               | 556             |
| Deadman spring return .....    | 533             | Safety pop-off .....       | 557             |
| Imported .....                 | 535             | Series C .....             | 558             |
| With locking handle .....      | 535             | Ball cone .....            | 558             |
| Global .....                   | 536             | 800 PSI .....              | 559             |
| Solder end .....               | 536             | Forged steel .....         | 559             |
| Lead free brass .....          | 536             | Spring loaded .....        | 559 to 560      |
| Mini's .....                   | 537             | Swing .....                | 560             |
| 3-way diverting T flow .....   | 538             |                            |                 |
| Stainless .....                | 538 to 542      | Drum Valves .....          | 561 to 562      |
| 3-way diverting L flow .....   | 538             | Wrenches .....             | 561             |
| 2-piece .....                  | 539             | Faucets .....              | 561             |
| Full port .....                | 539             | Thread adapters .....      | 562             |
| With locking handle .....      | 540             | Gate valves .....          | 562             |
| Reduced port .....             | 540             |                            |                 |
| 3-piece industrial .....       | 541             |                            |                 |
| Deadman spring return .....    | 541             |                            |                 |
| Industrial wafer .....         | 542             |                            |                 |
| Mann Tek full flow .....       | 542, 543        |                            |                 |
| Carbon steel .....             | 544, 545        |                            |                 |
| High pressure, full bore ..... | 544             |                            |                 |
| 150# flanged .....             | 545             |                            |                 |
| Polypropylene .....            | 545, 546        |                            |                 |
| Gate .....                     | 547             |                            |                 |
| Globe .....                    | 548             |                            |                 |
| <b>Butterfly</b> .....         | 548 to 549      |                            |                 |
| Betts Wet-R-Dri™ .....         | 548             |                            |                 |
| Ductile iron .....             | 549             |                            |                 |
| Control .....                  | 550 to 551      |                            |                 |
| Series F .....                 | 550             |                            |                 |
| Series MV .....                | 550             |                            |                 |
| Series PF .....                | 551             |                            |                 |
| Series N .....                 | 551             |                            |                 |

- Sanitary valves are located on pages: 631 - 652
- Fire valves are located on pages: 821 - 842

## Domestic Bronze Ball Valves

**Application:**

- for control of air, water, oil and gas in hose or pipe lines, for other services, please contact Dixon®

**Features:**

- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam
- bronze valve bodies, balls and stems
- blow-out proof stems
- glass-filled reinforced PTFE seats and stuffing box ring; stem seals and washers
- plated steel handles and nuts with vinyl sleeves replacements available, contact Dixon® for pricing
- full and standard port valves are repairable
- meets WW-V 35C, Type II Composition



| Female NPT | Port     | Bronze Part # |
|------------|----------|---------------|
| 1/4"       | full     | <b>BBV25</b>  |
| 3/8"       | full     | <b>BBV38</b>  |
| 1/2"       | full     | <b>BBV50</b>  |
| 3/4"       | standard | <b>BBV75</b>  |
| 1"         | standard | <b>BBV100</b> |
| 1 1/4"     | standard | <b>BBV125</b> |
| 1 1/2"     | standard | <b>BBV150</b> |
| 2"         | standard | <b>BBV200</b> |
| 2 1/2"     | standard | <b>BBV250</b> |
| 3"         | standard | <b>BBV300</b> |

## Domestic Full Port Bronze Ball Valves

**Features:**

- machined solid chrome-plated ball
- multi-fill RPTFE seats and seals
- adjustable packing
- blow-out proof stem design
- bronze castings
- vacuum service to 29 inches Hg
- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam



| Female NPT | Port | Bronze Part #   |
|------------|------|-----------------|
| 3/4"       | full | <b>BBV75FP</b>  |
| 1"         | full | <b>BBV100FP</b> |
| 1 1/4"     | full | <b>BBV125FP</b> |
| 1 1/2"     | full | <b>BBV150FP</b> |
| 2"         | full | <b>BBV200FP</b> |

## Locking Handle Bronze Ball Valves

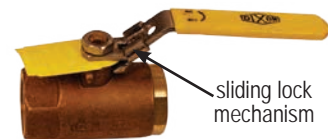
### Application:

- for control of air, water, oil and gas in hose or pipe lines, for other services, please contact Dixon®

### Features:

- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam
- blow-out proof RPTFE stem
- chrome-plated bronze ball
- Stainless steel sliding lock mechanism secures handle in open or closed position; can be padlocked opened or closed.
- plated steel handles and nuts with vinyl sleeves
- full and standard port valves are repairable

| Female NPT | Port     | Bronze Part #  |
|------------|----------|----------------|
| 1/4"       | full     | <b>BBLV25</b>  |
| 3/8"       | full     | <b>BBLV38</b>  |
| 1/2"       | full     | <b>BBLV50</b>  |
| 3/4"       | standard | <b>BBLV75</b>  |
| 1"         | standard | <b>BBLV100</b> |
| 1 1/4"     | standard | <b>BBLV125</b> |
| 1 1/2"     | standard | <b>BBLV150</b> |
| 2"         | standard | <b>BBLV200</b> |



Valves

## Bronze Ball Valves

### Applications:

- for air, water, oil and gas service

### Features:

- pressure rating: **600 PSI**, cold non-shock pressure rating: **150 PSI** saturated steam
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem
- adjustable packing gland

| Male NPT x Female NPT | Port     | Bronze Part # |
|-----------------------|----------|---------------|
| 1/2"                  | standard | <b>BMV50</b>  |
| 3/4"                  | standard | <b>BMV75</b>  |
| 1"                    | standard | <b>BMV100</b> |



## "Deadman" Spring Return Handle Brass Ball Valves

### Features:

- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam
- vacuum service to 29 inches Hg
- stainless steel lever
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem design
- adjustable packing gland
- spring return closes valve when not held open
- operating torque approximately three times standard valve torque

| Female NPT | Port     | Brass Part #    |
|------------|----------|-----------------|
| 1/2"       | full     | <b>BBV50SR</b>  |
| 3/4"       | standard | <b>BBV75SR</b>  |
| 1"         | standard | <b>BBV100SR</b> |
| 1 1/2"     | standard | <b>BBV150SR</b> |
| 2"         | standard | <b>BBV200SR</b> |





## 250 Lb. Steam Ball Valves

### Application:

- recommended for use with fluids with widely varying temperatures and/or thermal expansion rates

### Features:

- pressure rating: **600 PSI**; **250 PSI** saturated steam
- vacuum service to 29 inches Hg
- bronze body
- 316 stainless steel ball and stem
- blow-out proof stem design
- multi-fill RPTFE seats
- multi-fill stuffing box ring
- high temperature MTFE stem packing
- adjustable packing gland
- maximum temperature: **450°F (232°C)**

Valves



| Female NPT | Port     | Bronze Part #   |
|------------|----------|-----------------|
| 1/2"       | full     | <b>BBV50ST</b>  |
| 3/4"       | standard | <b>BBV75ST</b>  |
| 1"         | standard | <b>BBV100ST</b> |
| 2"         | standard | <b>BBV200ST</b> |

## Safety Vented Ball Valves

### Application:

- for air service only

### Features:

- pressure rating: **0-125 PSI**
- vent downstream air in accordance with OSHA regulation 1910.147 for pneumatic systems
- bronze valve
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem design
- adjustable packing gland



| Female NPT | Port     | Bronze Part #   |
|------------|----------|-----------------|
| 1/4"       | full     | <b>BBV25LV</b>  |
| 3/8"       | full     | <b>BBV38LV</b>  |
| 1/2"       | full     | <b>BBV50LV</b>  |
| 3/4"       | standard | <b>BBV75LV</b>  |
| 1"         | standard | <b>BBV100LV</b> |
| 1 1/4"     | standard | <b>BBV125LV</b> |
| 1 1/2"     | standard | <b>BBV150LV</b> |
| 2"         | standard | <b>BBV200LV</b> |

## Bronze Ball Valves with NPT Tap for Drain

### Application:

- recommended for water and air service

### Features:

- pressure rating: **125 PSI** WOG
- vent downstream air in accordance with OSHA regulations for pneumatic systems
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem
- adjustable packing gland
- auto-drain / auto-vent
- 1/4" NPT tapped port provides additional options such as an air venting elbow or noise muffler



| Female NPT | Port | Bronze Part #   |
|------------|------|-----------------|
| 1/4"       | full | <b>BBV25VT</b>  |
| 3/8"       | full | <b>BBV38VT</b>  |
| 1/2"       | full | <b>BBV50VT</b>  |
| 3/4"       | full | <b>BBV75VT</b>  |
| 1"         | full | <b>BBV100VT</b> |

## Imported Brass Ball Valves

**Application:**

- for control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

**Features:**

- pressure rating: **600 PSI WOG**; **150 PSI** Working Steam Pressure
- forged brass body
- blow-out proof stems
- PTFE seat, seal and thrust washer
- chrome-plated brass ball and plated steel handle
- maximum temperature: **366°F (186°C)**
- Underwriters Listed

## female NPT x female NPT



| Size   | Port | Brass Part #  |
|--------|------|---------------|
| 1/4"   | full | <b>FBV25</b>  |
| 3/8"   | full | <b>FBV38</b>  |
| 1/2"   | full | <b>FBV50</b>  |
| 3/4"   | full | <b>FBV75</b>  |
| 1"     | full | <b>FBV100</b> |
| 1 1/4" | full | <b>FBV125</b> |
| 1 1/2" | full | <b>FBV150</b> |
| 2"     | full | <b>FBV200</b> |



## female NPT x female NPT



| Size   | Port | Brass Part #  |
|--------|------|---------------|
| 2 1/2" | full | <b>FBV250</b> |
| 3"     | full | <b>FBV300</b> |
| 4"     | full | <b>FBV400</b> |

## Imported Brass Ball Valve with Locking Handle

**Application:**

- for control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

**Features:**

- pressure ratings: **600 PSI WOG**; **150 PSI** Working Steam Pressure
- forged brass body
- blow-out proof stem
- PTFE seat, seal and thrust washer
- chrome-plated brass ball and plated steel handle
- maximum temperature: **366°F (186°C)**

| Female NPT | Port | Brass Part #   |
|------------|------|----------------|
| 1/2"       | full | <b>FBVL50</b>  |
| 3/4"       | full | <b>FBVL75</b>  |
| 1"         | full | <b>FBVL100</b> |
| 1 1/4"     | full | <b>FBVL125</b> |
| 1 1/2"     | full | <b>FBVL150</b> |
| 2"         | full | <b>FBVL200</b> |
| 2 1/2"     | full | <b>FBVL250</b> |
| 3"         | full | <b>FBVL300</b> |
| 4"         | full | <b>FBVL400</b> |



## Global Brass Ball Valves

**Application:**

- for water and air only

**Features:**

- pressure ratings:
  - ¼" - ¾" rated to **365 PSI**
  - ½" - 2" rated to **600 PSI**
- forged brass body
- maximum temperature: **248°F (120°C)**

Valves



| Female NPT | Port | Forged Brass Part # |
|------------|------|---------------------|
| ¼"         | full | <b>FBVG25</b>       |
| ⅜"         | full | <b>FBVG38</b>       |
| ½"         | full | <b>FBVG50</b>       |
| ¾"         | full | <b>FBVG75</b>       |
| 1"         | full | <b>FBVG100</b>      |
| 1¼"        | full | <b>FBVG125</b>      |
| 1½"        | full | <b>FBVG150</b>      |
| 2"         | full | <b>FBVG200</b>      |

## Solder End Brass Ball Valves

**Application:**

- provides protection against potential gas leakage under extreme duty or low pressure applications

**Features:**

- pressure rating: **600 PSI WOG; 150 PSI** working steam pressure
- maximum temperature: **366°F (186°C)**
- brass body
- blow-out proof stem
- chrome-plated brass ball
- adjustable stem packing nut
- PTFE seat, seal, and thrust washer



| Size | Port | Brass Part #    |
|------|------|-----------------|
| ½"   | full | <b>FBV50SE</b>  |
| ¾"   | full | <b>FBV75SE</b>  |
| 1"   | full | <b>FBV100SE</b> |
| 1¼"  | full | <b>FBV125SE</b> |
| 1½"  | full | <b>FBV150SE</b> |
| 2"   | full | <b>FBV200SE</b> |

## Lead Free Brass Ball Valves

**Features:**

- lead free refers to the wetted surface of pipes, fittings and fixtures in potable water systems that have a weighted average lead content = 0.25% Source: California Health & Safety Code (116875). Vermont Act 193\*171NLF
- pressure rating: **600 WOG - 150 WSP**
- maximum temperature: **366°F (186°C)**
- PTFE seat and double O-ring stem packing



| Female NPT | Port | Lead Free Brass Part # |
|------------|------|------------------------|
| ½"         | full | <b>LFV50</b>           |
| ¾"         | full | <b>LFV75</b>           |
| 1"         | full | <b>LFV100</b>          |
| 1¼"        | full | <b>LFV125</b>          |
| 1½"        | full | <b>LFV150</b>          |
| 2"         | full | <b>LFV200</b>          |

## Dual Y Valves

### Application:

- ideal for compressor applications

### Features:

- dual action valve
- non-vented pressure rating: **600 PSI WOG**
- vented pressure rating: **125 PSI** Cold Working Pressure

#### Vented

| Female NPT Inlet (1) | Female NPT Outlets (2) | Bronze<br>Part # |
|----------------------|------------------------|------------------|
| 1"                   | 3/4"                   | <b>BBV100DWV</b> |
| 1 1/4"               | 3/4"                   | <b>BBV125DWV</b> |

#### Non-Vented

| Female NPT Inlet (1) | Female NPT Outlets (2) | Bronze<br>Part # |
|----------------------|------------------------|------------------|
| 1"                   | 3/4"                   | <b>BBV100DW</b>  |
| 1 1/4"               | 3/4"                   | <b>BBV125DW</b>  |



Valves

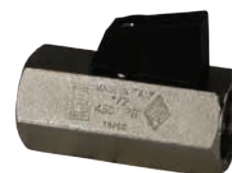
## Mini Ball Valves



### Features:

- pressure rating: **450 PSI**
- nickel plated brass body
- PTFE seats and FKM stem seal
- blow-out proof stem
- maximum temperature **330°F (166°C)**
- Canadian Standard Association approved

| Female NPT | Port     | Nickel Plated Brass<br>Part # |
|------------|----------|-------------------------------|
| 1/8"       | standard | <b>MBV12</b>                  |
| 1/4"       | standard | <b>MBV25</b>                  |
| 3/8"       | standard | <b>MBV38</b>                  |
| 1/2"       | standard | <b>MBV50</b>                  |



### 3-Way Brass Diverting Ball Valves T Flow

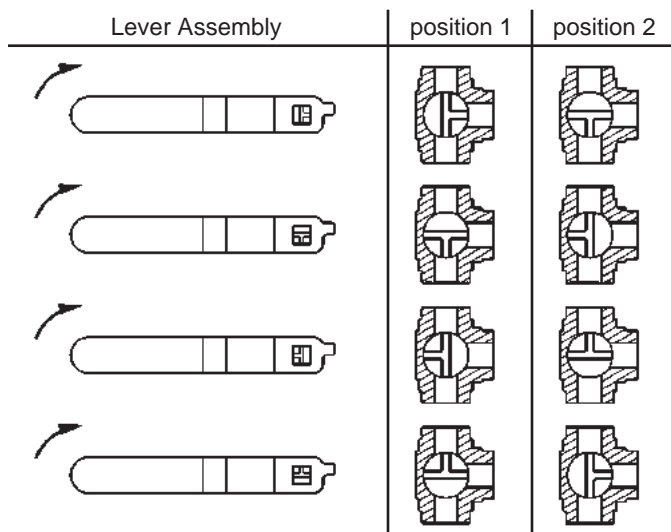
female NPT x female NPT x female NPT

Valves



#### Features:

- pressure rating: **400 PSI WOG**; **100 PSI** saturated steam
- brass body
- blow-out proof stem
- chrome plated brass ball
- PTFE seats, seals, and thrust washer
- adjustable stem packing
- maximum temperature: **366°F (186°C)**



| Size   | Port     | Brass Part #     |
|--------|----------|------------------|
| 1/2"   | standard | <b>BBV50DTW</b>  |
| 3/4"   | standard | <b>BBV75DTW</b>  |
| 1"     | standard | <b>BBV100DTW</b> |
| 1 1/4" | standard | <b>BBV125DTW</b> |
| 1 1/2" | standard | <b>BBV150DTW</b> |
| 2"     | standard | <b>BBV200DTW</b> |

Note: 1/4 turn handle can be adjusted to any orientation.  
Notches on the valve stem reflect the three openings on the ball.

### 3-Way Brass Diverting Ball Valves L Flow

female NPT x female NPT x female NPT

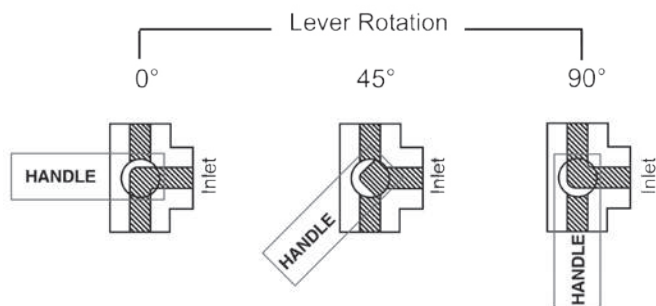


#### Features:

- can be used with gasoline and diesel fuel
- pressure rating: **400 PSI WOG**
- bronze body
- blow-out proof stem
- chromium-plated ball
- RPTFE seats and stuffing box ring
- stainless steel handle and nut with vinyl sleeve
- adjustable packing gland

| Size | Port     | Bronze Part #              |
|------|----------|----------------------------|
| 1/2" | full     | <b>BBV50TW<sup>1</sup></b> |
| 3/4" | standard | <b>BBV75TW</b>             |
| 1"   | standard | <b>BBV100TW</b>            |

<sup>1</sup> carbon steel handle and nut with vinyl sleeve



#### Features:

- rated to **800 PSI WOG**
- stainless steel body and ball
- blow-out proof stem
- RPTFE seats and stuffing box ring
- stainless steel handle and nut with vinyl sleeve
- adjustable packing gland
- meets NACE MR-01-75

| Size | Port     | Stainless Steel Part # |
|------|----------|------------------------|
| 1/2" | full     | <b>SSBV50TW</b>        |
| 3/4" | standard | <b>SSBV75TW</b>        |
| 1"   | standard | <b>SSBV100TW</b>       |

## 2-Piece Domestic Stainless Steel Ball Valves

## Features:

- pressure rating: **1,000 PSI** Cold Working Pressure
- pressure rating: **150 PSI** saturated steam
- vacuum service to 29 inches Hg
- 316 stainless body, ball and stem
- PTFE seal
- blow-out proof stem
- vinyl handle cover
- temperature range: **-40°F to 400°F (-40°C to 204°C)**

| Female NPT | Port | 316 Stainless Steel<br>Part # |
|------------|------|-------------------------------|
| 1/4"       | full | <b>DSBV25</b>                 |
| 3/8"       | full | <b>DSBV38</b>                 |
| 1/2"       | full | <b>DSBV50</b>                 |
| 3/4"       | full | <b>DSBV75</b>                 |
| 1"         | full | <b>DSBV100</b>                |
| 1 1/4"     | full | <b>DSBV125</b>                |
| 1 1/2"     | full | <b>DSBV150</b>                |
| 2"         | full | <b>DSBV200</b>                |



Valves

## Stainless Steel Ball Valves Full Port

## Applications:

- for use with water, oil and gas

## Features:

- pressure rating: 1/4" - 2" rated to **1000 PSI** WOG (CWP)  
2 1/2" - 3" rated to **800 PSI** WOG (CWP)  
**100 PSI** saturated steam
- 316 stainless steel body, ball and stem
- RPTFE seat, joint gasket and thrust washer
- blow-out proof stem design
- temperature range: **-20°F to 446°F (-29°C to 230°C)** as long as the valve is run fully open/ closed

| Female NPT | Port | 316 Stainless Steel<br>Part # |
|------------|------|-------------------------------|
| 1/4"       | full | <b>SSBV25</b>                 |
| 3/8"       | full | <b>SSBV38</b>                 |
| 1/2"       | full | <b>SSBV50</b>                 |
| 3/4"       | full | <b>SSBV75</b>                 |
| 1"         | full | <b>SSBV100</b>                |
| 1 1/4"     | full | <b>SSBV125</b>                |
| 1 1/2"     | full | <b>SSBV150</b>                |
| 2"         | full | <b>SSBV200</b>                |
| 2 1/2"     | full | <b>SSBV250</b>                |
| 3"         | full | <b>SSBV300</b>                |





## Stainless Steel Ball Valves Full Port with Locking Handle

### Applications:

- for use with water, oil and gas

### Features:

- pressure rating: ¼" - 2" rated to **1000 PSI** WOG (CWP)  
2½" - 3" rated to **800 PSI** WOG (CWP)  
**100 PSI** saturated steam
- 316 stainless steel body, ball and stem
- RPTFE seat, joint gasket and thrust washer
- plastic cover on handle
- blow-out proof stem design
- temperature range: **-20°F to 356°F (-29°C to 180°C)**
- lockable
- not recommended as a throttling valve



| Female NPT | Port | 316 Stainless Steel<br>Part # |
|------------|------|-------------------------------|
| ¼"         | full | <b>SSLBV25</b>                |
| ⅜"         | full | <b>SSLBV38</b>                |
| ½"         | full | <b>SSLBV50</b>                |
| ¾"         | full | <b>SSLBV75</b>                |
| 1"         | full | <b>SSLBV100</b>               |
| 1¼"        | full | <b>SSLBV125</b>               |
| 1½"        | full | <b>SSLBV150</b>               |
| 2"         | full | <b>SSLBV200</b>               |
| 2½"        | full | <b>SSLBV250</b>               |
| 3"         | full | <b>SSLBV300</b>               |

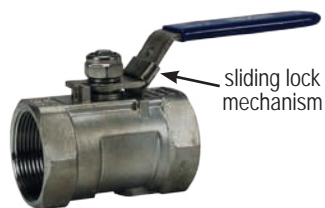
## Stainless Steel Ball Valves Reduced Port with Locking Handle

### Applications:

- for use with water, oil and gas

### Features:

- pressure rating: **1000 PSI** WOG; **100 PSI** saturated steam
- 316 stainless steel body, ball and stem
- RPTFE seat, joint gasket and thrust washer
- plastic cover on handle
- blow-out proof stem design
- temperature range: **-20°F to 356°F (-29°C to 180°C)**
- lockable
- not recommended as a throttling valve



| Female NPT | Port    | 316 Stainless Steel<br>Part # |
|------------|---------|-------------------------------|
| ¼"         | reduced | <b>SSLBV25SP</b>              |
| ⅜"         | reduced | <b>SSLBV38SP</b>              |
| ½"         | reduced | <b>SSLBV50SP</b>              |
| ¾"         | reduced | <b>SSLBV75SP</b>              |
| 1"         | reduced | <b>SSLBV100SP</b>             |
| 1¼"        | reduced | <b>SSLBV125SP</b>             |
| 1½"        | reduced | <b>SSLBV150SP</b>             |
| 2"         | reduced | <b>SSLBV200SP</b>             |

### 3-Piece Industrial Stainless Steel Ball Valves FNPT

**Features:**

- blow out proof stem
- live-loaded stem packing
- swing out design for easy maintenance
- ISO 5211 mounting pad
- RTFE seat and seals
- maximum temperature: **400°F (200°C)**
- maximum pressure: 1/4" - 1/2" **1,000 PSI** WOG at 65°F,  
2 1/2" - 3" **800 PSI** WOG at 65°F, 4" **600 PSI** WOG at 65°F

| Female NPT | Port | PSI @ 65°F  | Body Length | CF8M Stainless Steel Part # |
|------------|------|-------------|-------------|-----------------------------|
| 1/2"       | full | <b>1000</b> | 2.8"        | <b>BV2IGN05011-A</b>        |
| 3/4"       | full | <b>1000</b> | 3.1"        | <b>BV2IGN07511-A</b>        |
| 1"         | full | <b>1000</b> | 3.3"        | <b>BV2IGN10011-A</b>        |
| 1 1/4"     | full | <b>1000</b> | 4.1"        | <b>BV2IGN12511-A</b>        |
| 1 1/2"     | full | <b>1000</b> | 4.4"        | <b>BV2IGN15011-A</b>        |
| 2"         | full | <b>1000</b> | 5.1"        | <b>BV2IGN20011-A</b>        |
| 2 1/2"     | full | <b>800</b>  | 6.6"        | <b>BV2IGN25011-A</b>        |
| 3"         | full | <b>800</b>  | 7.3"        | <b>BV2IGN30011-A</b>        |
| 4"         | full | <b>600</b>  | 8.9"        | <b>BV2IGN40011-A</b>        |



Valves

### 3-Piece Industrial Stainless Steel Ball Valves Socket Weld

| Female NPT | Port | PSI @ 65°F  | Body Length | CF8M Stainless Steel Part # |
|------------|------|-------------|-------------|-----------------------------|
| 1/2"       | full | <b>1000</b> | 2.8"        | <b>BV2IGN05033-A</b>        |
| 3/4"       | full | <b>1000</b> | 3.1"        | <b>BV2IGN07533-A</b>        |
| 1"         | full | <b>1000</b> | 3.3"        | <b>BV2IGN10033-A</b>        |
| 1 1/4"     | full | <b>1000</b> | 4.1"        | <b>BV2IGN12533-A</b>        |
| 1 1/2"     | full | <b>1000</b> | 4.4"        | <b>BV2IGN15033-A</b>        |
| 2"         | full | <b>1000</b> | 5.1"        | <b>BV2IGN20033-A</b>        |
| 2 1/2"     | full | <b>800</b>  | 6.6"        | <b>BV2IGN25033-A</b>        |
| 3"         | full | <b>800</b>  | 7.3"        | <b>BV2IGN30033-A</b>        |
| 4"         | full | <b>600</b>  | 8.9"        | <b>BV2IGN40033-A</b>        |



### "Deadman" Spring Return Handle Stainless Steel Ball Valves

**Features:**

- pressure rating: **2000 PSI** WOG 1/2" to 1"; **1500 PSI** WOG 1 1/4" to 2"
- **150 PSI** saturated steam, all sizes
- vacuum service to 29 inches Hg, all sizes
- PTFE seal
- blow-out proof stem design
- adjustable packing gland
- spring return closes valve when not held open
- operating torque approximately three times standard valve torque

| Female NPT | Port     | 316 Stainless Steel Part # |
|------------|----------|----------------------------|
| 1/2"       | full     | <b>SSBV50SR</b>            |
| 3/4"       | standard | <b>SSBV75SR</b>            |
| 1"         | standard | <b>SSBV100SR</b>           |
| 1 1/4"     | standard | <b>SSBV125SR</b>           |
| 1 1/2"     | standard | <b>SSBV150SR</b>           |
| 2"         | standard | <b>SSBV200SR</b>           |



## Industrial Wafer Ball Valves

Valves

**Features:**

- ANSI Class 150 wafer style ball valve
- full port, sizes 1" to 4"
- blow out proof stem
- ideal option to high performance butterflies
- space saving
- anti-static stem design
- locking plate included

**Materials:**

- body: CF8M
- ball and end connection: 316 stainless steel
- elastomers: FKM
- seats: 25% carbon reinforced PTFE

| Size | Stainless Steel<br>Part # |
|------|---------------------------|
| 1"   | <b>BV2IC-100WW-A</b>      |
| 1¼"  | <b>BV2IC-125WW-A</b>      |
| 1½"  | <b>BV2IC-150WW-A</b>      |
| 2"   | <b>BV2IC-200WW-A</b>      |
| 2½"  | <b>BV2IC-250WW-A</b>      |
| 3"   | <b>BV2IC-300WW-A</b>      |
| 4"   | <b>BV2IC-400WW-A</b>      |

## Mann Tek Full Flow Ball Valves

**Features:**

- high flow rate; low pressure drop
- wetted parts are aluminum and stainless steel
- FPM seals
- spindle can be disassembled even when ball valve is installed
- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved
- optional ports include DN flange, butt weld and 150# flange, contact Dixon® for details
- two ports - one inlet and one outlet

**One-Way Full Flow Ball Valve Female NPT**

| Size | Aluminum<br>Part # |
|------|--------------------|
| 2"   | <b>1WAYBV200</b>   |
| 3"   | <b>1WAYBV300</b>   |
| 4"   | <b>1WAYBV400</b>   |

**One-Way Full Flow Ball Valve Socket Weld**

| Size | Bore   | Aluminum<br>Part # |
|------|--------|--------------------|
| 2"   | 2.390" | <b>1WAYBV200SW</b> |
| 3"   | 3.530" | <b>1WAYBV300SW</b> |

**One-Way Full Flow Ball Valve Grooved**

| Size | Aluminum<br>Part #  |
|------|---------------------|
| 2"   | <b>1WAYBV200VIC</b> |
| 3"   | <b>1WAYBV300VIC</b> |



## Mann Tek Full Flow Ball Valves

**Features:**

- high flow rate; low pressure drop
- wetted parts are aluminum and stainless steel
- FPM seals
- spindle can be disassembled even when ball valve is installed
- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved
- optional ports include DN flange, butt weld and 150# flange, contact Dixon® for details
- three ports - one inlet and two outlets, valve directs the flow from the inlet to either of the two outlets
- commonly used for switching compartments or tanks

**Two-Way Full Flow Ball Valve Female NPT**

| Size | Aluminum<br>Part # |
|------|--------------------|
| 2"   | <b>2WAYBV200</b>   |
| 3"   | <b>2WAYBV300</b>   |
| 4"   | <b>2WAYBV400</b>   |



Valves

**Two-Way Full Flow Ball Valve Socket Weld**

| Size | Bore   | Aluminum<br>Part # |
|------|--------|--------------------|
| 2"   | 2.390" | <b>2WAYBV200SW</b> |
| 3"   | 3.530" | <b>2WAYBV300SW</b> |

**Two-Way Full Flow Ball Valve Grooved**

| Size | Aluminum<br>Part #   |
|------|----------------------|
| 2"   | <b>2WAYBV200VIC3</b> |
| 3"   | <b>2WAYBV300VIC3</b> |



## Carbon Steel Ball Valves

## Applications:

- for control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

## Features:

- pressure rating: **150 PSI** saturated steam
- carbon steel body
- chromium plated ball
- RPTFE seat and seal
- blow-out proof stem
- adjustable packing gland

Valves



| Female NPT | PSI         | Port     | Carbon Steel<br>Part # |
|------------|-------------|----------|------------------------|
| 1/4"       | <b>2000</b> | full     | <b>IBV25</b>           |
| 3/8"       | <b>2000</b> | full     | <b>IBV38</b>           |
| 1/2"       | <b>2000</b> | standard | <b>IBV50</b>           |
| 3/4"       | <b>2000</b> | standard | <b>IBV75</b>           |
| 1"         | <b>2000</b> | standard | <b>IBV100</b>          |
| 1 1/4"     | <b>1500</b> | standard | <b>IBV125</b>          |
| 1 1/2"     | <b>1500</b> | standard | <b>IBV150</b>          |
| 2"         | <b>1500</b> | standard | <b>IBV200</b>          |

## High Pressure Full-Bore Ball Valves

## Features:

- blow-out proof stem
- rugged construction
- FKM/FPM seals
- POM (Polyacetal) ball seats



| Female<br>NPT | PSI         | Carbon Steel   |                   | PSI         | 316 Stainless Steel<br>Part # |
|---------------|-------------|----------------|-------------------|-------------|-------------------------------|
|               |             | Part #         | SAE Part #        |             |                               |
| 1/4"          | <b>7350</b> | <b>HPBV25</b>  | <b>HPBV25SAE</b>  | <b>5880</b> | <b>HPBV25SS</b>               |
| 3/8"          | <b>7350</b> | <b>HPBV38</b>  | <b>HPBV38SAE</b>  | <b>5880</b> | <b>HPBV38SS</b>               |
| 1/2"          | <b>7350</b> | <b>HPBV12</b>  | <b>HPBV12SAE</b>  | <b>5880</b> | <b>HPBV12SS</b>               |
| 3/4"          | <b>6000</b> | <b>HPBV34</b>  | <b>HPBV34SAE</b>  | <b>5145</b> | <b>HPBV34SS</b>               |
| 1"            | <b>6000</b> | <b>HPBV10</b>  | <b>HPBV10SAE</b>  | <b>5145</b> | <b>HPBV10SS</b>               |
| 1 1/4"        | <b>6000</b> | <b>HPBV125</b> | <b>HPBV125SAE</b> | ---         | ---                           |
| 1 1/2"        | <b>6000</b> | <b>HPBV150</b> | <b>HPBV150SAE</b> | ---         | ---                           |
| 2"            | <b>6000</b> | <b>HPBV200</b> | <b>HPBV200SAE</b> | ---         | ---                           |

High Pressure Full-Bore **3-Way** Ball Valves

## Features:

- temperature range: **-20°F to 215° F (-29°C to 102°C)**
- rugged construction
- FKM seals
- POM (polyacetal) ball seats
- black oxide coating
- nickel plated ball



Standard L 90°

| Female NPT | PSI         | Carbon Steel<br>Part # |
|------------|-------------|------------------------|
| 1/2"       | <b>5145</b> | <b>HPBV12-3WAY</b>     |
| 3/4"       | <b>5145</b> | <b>HPBV34-3WAY</b>     |
| 1"         | <b>5145</b> | <b>HPBV10-3WAY</b>     |

## 150# Flanged Ball Valves

### Applications:

- suitable for air, water, oil and gas

### Features:

- product approvals include: LP gas shut-off valves, flammable liquid shut-off valves, gas shut-off valves, compressed gas shut-off valves, and anhydrous ammonia shut-off valves
- body: ASTM A216 WCB
- RPTFE seat
- vacuum service to 29 inches of Hg
- pressure rating: **150 PSIG** saturated steam
- temperature up to **400°F (204°C)**
- PSI rating up to **280 PSI**
- four point ISO 5211 mounting pad bolt pattern
- anti-static grounded ball and stem
- blow-out proof stem design
- bleed/drain port (cast) ½" NPT
- fire safe (graphite packing and seal)
- adjustable packing gland

| Size | Port | Carbon Steel<br>Part # |
|------|------|------------------------|
| 2"   | full | <b>FLBV200CS</b>       |
| 2½"  | full | <b>FLBV250CS</b>       |
| 3"   | full | <b>FLBV300CS</b>       |
| 4"   | full | <b>FLBV400CS</b>       |
| 6"   | full | <b>FLBV600CS</b>       |
| 8"   | full | <b>FLBV800CS</b>       |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).



Valves

## Polypropylene Bolted Ball Valves

### Features:

- pressure rating: ½" - 3" is rated to **125 PSI** at **70°F (21°C)**  
4" is rated to **90 PSI** at **70°F (21°C)**
- chemically-resistant, reinforced polypropylene
- PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seal
- 304 stainless steel nuts and bolts
- FDA approved material

### Polypropylene 4-Bolt Ball Valves

| Female NPT | Port     | Polypropylene<br>Part # |
|------------|----------|-------------------------|
| ½"         | full     | <b>PVFP50</b>           |
| ¾"         | full     | <b>PVFP75</b>           |
| 1"         | full     | <b>PVFP100</b>          |
| 1½"        | full     | <b>PVFP150</b>          |
| 1"         | standard | <b>PV100</b>            |
| 2"         | standard | <b>PV200</b>            |



### Polypropylene 6-Bolt Ball Valves

| Female NPT | Port | Polypropylene<br>Part # |
|------------|------|-------------------------|
| 2"         | full | <b>PVFP200</b>          |
| 3"         | full | <b>PVFP300</b>          |



### Polypropylene 8-Bolt Ball Valves

| Female NPT | Port | Polypropylene<br>Part # |
|------------|------|-------------------------|
| 4"         | full | <b>PVFP400</b>          |





## Polypropylene Compact Bolted Ball Valves

### Features:

- pressure rating: **125 PSI at 70°F (21°C)**
- chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seals
- 304 stainless steel nuts and bolts
- FDA approved material



### Polypropylene Compact Bolted Ball Valve

| Female NPT | Port | Body Length       | Polypropylene Part # |
|------------|------|-------------------|----------------------|
| 2"         | full | 4 $\frac{7}{8}$ " | <b>PVFPS200</b>      |



### Polypropylene Compact Bolted Ball Valve

| Female NPT x Male Adapter | Port | Body Length       | Polypropylene Part # |
|---------------------------|------|-------------------|----------------------|
| 2"                        | full | 6 $\frac{7}{8}$ " | <b>PVFPSA200</b>     |

## Polypropylene 45° Single Union Nozzle Valves

### Features:

- pressure rating: **125 PSI at 70°F (21°C)**
- corrosion resistant polypropylene body, PTFE ball seats
- EPDM O-ring
- FDA approved material



| Female NPT x Nozzle | Port | Polypropylene Part # |
|---------------------|------|----------------------|
| 1"                  | full | <b>SUBVN100</b>      |

## Polypropylene Bolted Ball Valves with Nozzle

### Features:

- pressure rating: **125 PSI at 70°F (21°C)**
- chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seals, FKM O-ring stem seals
- 304 stainless steel nuts and bolts
- FDA approved material
- body-to-flange design allows for low torque operation



| Female NPT x Nozzle | Port     | Polypropylene Part # |
|---------------------|----------|----------------------|
| 1 $\frac{1}{2}$ "   | full     | <b>PVFPN150</b>      |
| 2"                  | full     | <b>PVFPN200</b>      |
| 2"                  | standard | <b>PVN200</b>        |

## Polypropylene Single Union Ball Valves

### Features:

- pressure rating: **125 PSI at 70°F (21°C)**
- corrosion resistant polypropylene body, PTFE ball seat
- EPDM O-ring
- FDA approved material



| Female NPT        | Port | Polypropylene Part # |
|-------------------|------|----------------------|
| 1/2"              | full | <b>SUBV50</b>        |
| 3/4"              | full | <b>SUBV75</b>        |
| 1"                | full | <b>SUBV100</b>       |
| 1 $\frac{1}{4}$ " | full | <b>SUBV125</b>       |
| 1 $\frac{1}{2}$ " | full | <b>SUBV150</b>       |
| 2"                | full | <b>SUBV200</b>       |
| 3"                | full | <b>SUBV300</b>       |

## Domestic Bronze Gate Valves

## Features:

- Class 150
- pressure rating: **300 PSI** cold working pressure, **150 PSI** steam working pressure
- union bonnet
- ASME B1.20.1
- Grafoil® packing
- rising stem
- solid disc
- malleable iron handwheel
- 100% factory tested
- temperature range: **-20°F to 406°F (-29°C to 208°C)**

| Female NPT | Bronze<br>Part # |
|------------|------------------|
| 1/2"       | <b>DBGV50</b>    |
| 3/4"       | <b>DBGV75</b>    |
| 1"         | <b>DBGV100</b>   |
| 1 1/4"     | <b>DBGV125</b>   |
| 1 1/2"     | <b>DBGV150</b>   |
| 2"         | <b>DBGV200</b>   |



Valves

## Stainless Steel Gate Valves

## Features:

- pressure rating: **200 PSI** non-shock cold water, oil, gas
- threaded bonnet
- integral seat
- adjustable packing nut
- non-rising stem
- solid wedge disc
- iron handwheel
- 100% factory tested

| Female NPT | Brass<br>Part # | 316 Stainless Steel<br>Part # |
|------------|-----------------|-------------------------------|
| 1/4"       | <b>BGV25</b>    | ---                           |
| 3/8"       | <b>BGV38</b>    | ---                           |
| 1/2"       | <b>BGV50</b>    | <b>SSGV50</b>                 |
| 3/4"       | <b>BGV75</b>    | <b>SSGV75</b>                 |
| 1"         | <b>BGV100</b>   | <b>SSGV100</b>                |
| 1 1/4"     | <b>BGV125</b>   | <b>SSGV125</b>                |
| 1 1/2"     | <b>BGV150</b>   | <b>SSGV150</b>                |
| 2"         | <b>BGV200</b>   | <b>SSGV200</b>                |
| 2 1/2"     | <b>BGV250</b>   | ---                           |
| 3"         | <b>BGV300</b>   | ---                           |
| 4"         | <b>BGV400</b>   | ---                           |



brass



316 stainless

## Forged Steel Gate Valves

## Application:

- can be used for steam service

## Features:

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: **1975 PSI**
- maximum temperature: **800°F (427°C)**

| Female NPT | Forged Steel<br>Part # |
|------------|------------------------|
| 1/2"       | <b>FSGV50</b>          |
| 3/4"       | <b>FSGV75</b>          |
| 1"         | <b>FSGV100</b>         |
| 1 1/4"     | <b>FSGV125</b>         |
| 1 1/2"     | <b>FSGV150</b>         |
| 2"         | <b>FSGV200</b>         |



## Domestic Bronze Globe Valves

### Features:

- Class 150
- pressure rating: **300** PSI cold working pressure, **150** PSI steam working pressure
- union bonnet
- ASME B1.20.1
- Grafoil® packing
- PTFE disc
- malleable iron handwheel
- 100% factory tested



| Female NPT | Bronze Part #   |
|------------|-----------------|
| 1/2"       | <b>DGLBV50</b>  |
| 3/4"       | <b>DGLBV75</b>  |
| 1"         | <b>DGLBV100</b> |
| 1 1/4"     | <b>DGLBV125</b> |
| 1 1/2"     | <b>DGLBV150</b> |
| 2"         | <b>DGLBV200</b> |

## Forged Steel Globe Valves

### Features:

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: **1975 PSI**
- maximum temperature: **800°F (427°C)**
- can be used for steam service



| Female NPT | Forged Steel Part # |
|------------|---------------------|
| 1/2"       | <b>FSGLBV50</b>     |
| 3/4"       | <b>FSGLBV75</b>     |
| 1"         | <b>FSGLBV100</b>    |
| 1 1/4"     | <b>FSGLBV125</b>    |
| 1 1/2"     | <b>FSGLBV150</b>    |
| 2"         | <b>FSGLBV200</b>    |

## Betts Wet-R-Dri™ Butterfly Valves

### Application:

- designed for handling liquid, gaseous or dry products

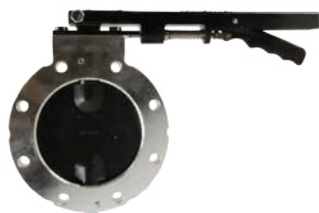
### Features:

- has a positive stop in the open and closed position
- detent spring and ball assist in holding the disc in the open and closed position
- drilling fits TTMA recommended standards
- opens by turning hand 1/4 turn counter clockwise
- temperature range: **0°F to 400°F (-17°C to 204°C)**



### Manual

| Size | Maximum Working Pressure PSI | Extruded aluminum body with FKM-B disc Part # |
|------|------------------------------|---|
| 3"   | <b>75</b>                    | <b>WD301ALVB</b>                              |
| 4"   | <b>75</b>                    | <b>WD401ALVB</b>                              |



### Metering

| Size | Maximum Working Pressure PSI | Extruded aluminum body with FKM-B disc Part # |
|------|------------------------------|---|
| 3"   | <b>75</b>                    | <b>WD304ALVB</b>                              |
| 4"   | <b>75</b>                    | <b>WD404ALVB</b>                              |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Ductile Iron Butterfly Valves



NOT RECOMMENDED FOR STEAM SERVICE

- for use between two 150 lb. flanges
- 10 position trigger grip handle
- pressure rating: **200 PSI** at ambient temperature **70°F (21°C)**

### Threaded Lug Style Butterfly Valves

#### Features:

- ductile iron body, ASTM A536
- aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- stainless steel top and bottom stems

| Size | Ductile Iron with Buna-N Liner<br>Part # | Ductile Iron with EPDM Liner<br>Part # |
|------|--|--|
| 2"   | <b>BFVL200</b>                           | <b>BFVL200E</b>                        |
| 3"   | <b>BFVL300</b>                           | <b>BFVL300E</b>                        |
| 4"   | <b>BFVL400</b>                           | <b>BFVL400E</b>                        |
| 6"   | <b>BFVL600</b>                           | <b>BFVL600E</b>                        |



Valves

### Wafer Style 150 lb. Butterfly Valves with Aluminum Bronze Disc

#### Features:

- ductile iron body, ASTM A536
- aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- stainless steel top and bottom stems

| Size | Ductile Iron with Buna-N Liner<br>Part # | Ductile Iron with EPDM Liner<br>Part # |
|------|--|--|
| 2"   | <b>BBFVW200</b>                          | <b>BBFVW200E</b>                       |
| 3"   | <b>BBFVW300</b>                          | <b>BBFVW300E</b>                       |
| 4"   | <b>BBFVW400</b>                          | <b>BBFVW400E</b>                       |
| 6"   | <b>BBFVW600</b>                          | <b>BBFVW600E</b>                       |



### Wafer Style 150 lb. Butterfly Valves with Stainless Disc

#### Features:

- ductile iron body, ASTM A536
- stainless steel disc, ASTM A351, GR. CF-8M
- Buna-N seal and stem seals
- PTFE bushing
- stainless steel top and bottom stems

| Size | Ductile Iron with Buna-N Liner<br>Part # |
|------|--|
| 2"   | <b>BFVW200</b>                           |
| 3"   | <b>BFVW300</b>                           |
| 4"   | <b>BFVW400</b>                           |
| 6"   | <b>BFVW600</b>                           |



### Wafer Style 150 lb. Butterfly Valves with Iron Disc

#### Features:

- ductile iron body, ASTM A536
- nickel plated ductile iron disc
- Buna-N seal and stem seals
- PTFE bushing
- 416 stainless stem

| Size | Ductile Iron with Buna-N Liner<br>Part # | Ductile Iron with EPDM Liner<br>Part # |
|------|--|--|
| 3"   | <b>IBFVW300</b>                          | <b>IBFVW300E</b>                       |
| 4"   | <b>IBFVW400</b>                          | <b>IBFVW400E</b>                       |
| 6"   | <b>IBFVW600</b>                          | <b>IBFVW600E</b>                       |
| 8"   | <b>IBFVW800</b>                          | <b>IBFVW800E</b>                       |



## Flow Control Valves

## Steel Series F

## Features:

- Two-step needle provides fine adjustments at low flow with the first three turns of the adjusting knob. The next three turns give full-open needle position and conventional throttling control. When flow is reversed, a heavy-duty poppet/retainer permits full-flow return capacity.
- color-coded reference scale simplifies flow setting, resetting, adjusting and return to original flow, a simple set screw locks the valve on any desired setting.
- maximum operating pressure: **5000 PSI at 70°F (21°C)** for 1/8" - 1/2", **3000 PSI at 70°F (21°C)** for 3/4" - 2"



| Female NPTF | Black Oxide Steel<br>Part # |
|-------------|-----------------------------|
| 1/8"        | <b>SFC200</b>               |
| 1/4"        | <b>SFC400</b>               |
| 3/8"        | <b>SFC600</b>               |
| 1/2"        | <b>SFC800</b>               |
| 3/4"        | <b>SFC1200</b>              |
| 1"          | <b>SFC1600</b>              |
| 1 1/2"      | <b>SFC2400</b>              |
| 2"          | <b>SFC3200</b>              |

## Brass Series F

## Features:

- provides precision flow control and full shutoff in one flow direction, automatically allows unrestricted flow in the opposite direction
- two-step needle for fine adjustments at low flow with first 3 turns of the adjusting knob, next 3 turns give full-open needle position and conventional throttling control
- when flow is reversed the heavy-duty poppet/retainer permits full flow return capacity
- color coded scale simplifies flow setting, resetting, adjusting and return to an original flow
- a set screw locks the valve on any desired setting
- maximum operating pressure: **2000 PSI** at ambient temperature **70°F (21°C)** for sizes 1/8" - 3/4", **500 PSI** at ambient temperature **70°F (21°C)** for 1"



| Female NPTF | Brass<br>Part # |
|-------------|-----------------|
| 1/8"        | <b>BFC200</b>   |
| 1/4"        | <b>BFC400</b>   |
| 3/8"        | <b>BFC600</b>   |
| 1/2"        | <b>BFC800</b>   |
| 3/4"        | <b>BFC1200</b>  |
| 1"          | <b>BFC1600</b>  |

## Series MV Metering

## Features:

- easily make fine adjustments and resets with color code feature that shows when desired setting is reached
- body components are precision-turned from solid barstock
- 416 stainless steel needle
- maximum operating pressure: **5000 PSI at 70°F (21°C)**



| Female NPTF | Steel<br>Part # |
|-------------|-----------------|
| 1/4"        | <b>SMV400</b>   |
| 3/8"        | <b>SMV600</b>   |
| 1/2"        | <b>SMV800</b>   |

## Flow Control Valves

## Steel Series PF

## Features:

- recommended for use in non-shock applications
- ball type check meters the flow of hydraulic oil in one direction and allows for free flow in the reverse direction
- maximum operating pressure: **5000 PSI at 70°F (21°C)**, cracking pressure: **5 PSI**

| Female NPTF | Zinc Plated Steel with a dichromate seal<br>Part # |
|-------------|--|
| 1/4"        | <b>SPF400</b>                                      |
| 3/8"        | <b>SPF600</b>                                      |
| 1/2"        | <b>SPF800</b>                                      |



Valves

## Brass Series PF

## Features:

- ball type check meters flow of air in one direction and allows free flow in the reverse direction
- used to control actuator speed by acting as a restriction
- maximum operating pressure: **2000 PSI at ambient temperature 70°F (21°C)**
- cracking pressure: **5 PSI**

| Female NPTF | Brass<br>Part # |
|-------------|-----------------|
| 1/8"        | <b>BPF200</b>   |
| 1/4"        | <b>BPF400</b>   |
| 3/8"        | <b>BPF600</b>   |
| 1/2"        | <b>BPF800</b>   |



## Steel Series N

## Features:

- excellent speed control on hydraulic systems where a reverse flow check valve is not needed
- reliable shutoff in a very small envelope; color-coded reference scale simplifies setting, resetting, adjusting and quick return to a previous speed setting
- maximum operating pressure: **5000 PSI at 70°F (21°C)** for 1/8" - 3/4", **3000 PSI at 70°F (21°C)** for 1" - 1 1/4"

| Female NPTF | Steel<br>Part # |
|-------------|-----------------|
| 1/8"        | <b>SN200</b>    |
| 1/4"        | <b>SN400</b>    |
| 3/8"        | <b>SN600</b>    |
| 1/2"        | <b>SN800</b>    |
| 3/4"        | <b>SN1200</b>   |
| 1"          | <b>SN1600</b>   |
| 1 1/4"      | <b>SN2000</b>   |



## Brass Series N

## Features:

- for use as speed control on hydraulic and pneumatic systems where a reverse flow check valve is not needed
- provides excellent control and reliable shutoff in a very small envelope
- color coded scale simplifies setting, resetting, adjusting and quick return to a previous speed setting
- maximum operating pressure: **2000 PSI at ambient temperature 70°F (21°C)** for sizes 1/8" - 3/4", **500 PSI at ambient temperature 70°F (21°C)** for 1"

| Female NPTF | Brass<br>Part # |
|-------------|-----------------|
| 1/8"        | <b>BN200</b>    |
| 1/4"        | <b>BN400</b>    |
| 3/8"        | <b>BN600</b>    |
| 1/2"        | <b>BN800</b>    |
| 3/4"        | <b>BN1200</b>   |
| 1"          | <b>BN1600</b>   |





## Mini Needle Valves

## Features:

- available in a variety of materials and handle options
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to  $1 \times 10^{-4}$  ml/s at 200 PSI
- $\frac{1}{8}$ " and  $\frac{1}{4}$ " are orifice size: 0.172", flow coefficient: 0.42
- $\frac{1}{2}$ " orifice size are 0.187", flow coefficient: 0.44, hex body
- all stems are 316 stainless steel

## Male to Female



| NPT Size             | Handle Style | PSI @ 200°F | Brass Part #  | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|----------------------|--------------|-------------|---------------|--------------|--------------|---------------------------------|----------------------------|
| $\frac{1}{8}$ " - 27 | knurled knob | 6000        | <b>MFB101</b> | T design     | 10000        | <b>MFC101</b>                   | <b>MFS101</b>              |
| $\frac{1}{4}$ " - 18 | knurled knob | 6000        | <b>MFB102</b> | T design     | 10000        | <b>MFC102</b>                   | <b>MFS102</b>              |
| $\frac{1}{2}$ " - 14 | ---          | ---         | ---           | T design     | 10000        | <b>MFC404</b>                   | <b>MFS404</b>              |

## Female to Female



| NPT Size             | Handle Style | PSI at 200°F | Brass Part #  | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|----------------------|--------------|--------------|---------------|--------------|--------------|---------------------------------|----------------------------|
| $\frac{1}{8}$ " - 27 | knurled knob | 6000         | <b>FFB101</b> | T design     | 10000        | <b>FFC101</b>                   | <b>FFS101</b>              |
| $\frac{1}{4}$ " - 18 | knurled knob | 6000         | <b>FFB102</b> | T design     | 10000        | <b>FFC102</b>                   | <b>FFS102</b>              |
| $\frac{1}{2}$ " - 14 | ---          | ---          | ---           | T design     | 10000        | <b>FFC404</b>                   | <b>FFS404</b>              |

## Multiport Needle Valves

## Features:

- reduces the number of gauge and other instrument connections to permanent piping installations, decreasing possible leak paths
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to  $1 \times 10^{-4}$  ml/s at 200 PSI
- $\frac{1}{2}$ " female NPT port
- orifice size is 0.187", flow coefficient: 0.44
- all stems are 316 stainless steel

## Hard Seat Male to Female



| NPT Size             | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|----------------------|--------------|--------------|---------------------------------|----------------------------|
| $\frac{1}{2}$ " - 14 | T design     | 10000        | <b>MFC204</b>                   | <b>MFS204</b>              |
| $\frac{3}{4}$ " - 14 | T design     | 10000        | <b>MFC20604</b>                 | <b>MFS20604</b>            |

## Soft Seat Male to Female



| NPT Size             | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|----------------------|--------------|--------------|---------------------------------|----------------------------|
| $\frac{1}{2}$ " - 14 | T design     | 6000         | <b>MFC304</b>                   | <b>MFS304</b>              |
| $\frac{3}{4}$ " - 14 | T design     | 6000         | <b>MFC30604</b>                 | <b>MFS30604</b>            |

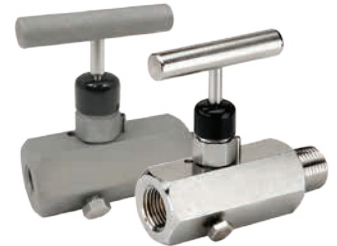
## Block and Bleed Needle Valves

## Features:

- allows pressure to be bled off without disturbing the permanent piping installation allowing quick and easy removal or replacement of instruments
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to  $1 \times 10^{-4}$  ml/s at 200 PSI
- orifice size is 0.187", flow coefficient: 0.44
- all stems are 316 stainless steel
- 0.090" bleed hole located on bottom is controlled by a 1/4"-20 UNF-2A bleed screw

## Hard Seat Male to Female

| NPT Size  | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|-----------|--------------|--------------|---------------------------------|----------------------------|
| 1/4" - 18 | T design     | <b>10000</b> | <b>MFC602</b>                   | <b>MFS602</b>              |
| 1/2" - 14 | T design     | <b>10000</b> | <b>MFC604</b>                   | <b>MFS604</b>              |



## Soft Seat Male to Female

| NPT Size  | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|-----------|--------------|--------------|---------------------------------|----------------------------|
| 1/4" - 18 | T design     | <b>6000</b>  | <b>MFC702</b>                   | <b>MFS702</b>              |
| 1/2" - 14 | T design     | <b>6000</b>  | <b>MFC704</b>                   | <b>MFS704</b>              |



## Bleed Needle Valves

## Features:

- convenient way to relieve process pressures trapped between a shut-off valve and the instrument
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to  $1 \times 10^{-4}$  ml/s at 200 PSI
- non-rotating soft tip stem and a backup metal-to-metal seal
- all stems are 316 stainless steel
- 0.159" bleed port

## Hard Seat Male

| NPT Size  | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|-----------|--------------|--------------|---------------------------------|----------------------------|
| 1/4" - 18 | T design     | <b>10000</b> | <b>MC802</b>                    | <b>MS802</b>               |
| 1/2" - 14 | T design     | <b>10000</b> | <b>MC804</b>                    | <b>MS804</b>               |



316 stainless

## Soft Tip Male

| NPT Size  | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|-----------|--------------|--------------|---------------------------------|----------------------------|
| 1/4" - 18 | T design     | <b>6000</b>  | <b>MC852</b>                    | <b>MS852</b>               |
| 1/2" - 14 | T design     | <b>6000</b>  | <b>MC854</b>                    | <b>MS854</b>               |



316 stainless

## Valves

### Button



| Thread          | Brass Part # |
|-----------------|--------------|
| 1/4" NPT female | <b>BV2F</b>  |
| 1/4" NPT male   | <b>BV2M</b>  |

### Tank Filler



TFB1S

TFB2

#### Applications:

- used on compressed air tanks and other applications

#### Feature:

- standard valve stem thread

| Connection | Length | Nickel Plated Part # | Length | Brass Part #  |
|------------|--------|----------------------|--------|---------------|
| 1/8" NPT   | .85"   | <b>TFB1S</b>         | ---    | ---           |
|            | 1.24"  | <b>TFB1L</b>         | ---    | ---           |
| 1/4" NPT   | 1"     | <b>TFB2</b>          | ---    | ---           |
| 1/4" barb  | ---    | ---                  | 1.57"  | <b>TFB2HB</b> |

TFB1L

TFB2HB

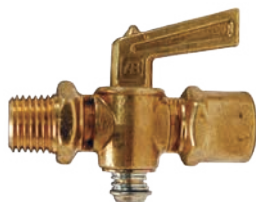
## Brass Lever External Drains

#### Application:

- for air service only

#### Feature:

- maximum operating pressure: **30 PSI** at ambient temperature **70°F (21°C)**



| Female NPT | Male NPT | Brass Part # |
|------------|----------|--------------|
| 1/4"       | 1/4"     | <b>LDC2</b>  |



| Male NPT | Male NPT | Brass Part # |
|----------|----------|--------------|
| 1/4"     | 1/4"     | <b>LDCM2</b> |



| Female NPT | Female NPT | Brass Part # |
|------------|------------|--------------|
| 1/4"       | 1/4"       | <b>LDCF2</b> |

## Brass External Drain Cocks

#### Applications:

- designed for low pressure water and air applications

#### Feature:

- maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**



| NPT Size | Brass Part # |
|----------|--------------|
| 1/8"     | <b>D02</b>   |
| 1/4"     | <b>D04</b>   |

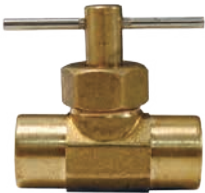
Needle Valves

Features:

- metal-to-metal seats allow positive sealing and flow adjustment
- designed for air and water applications
- maximum working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

female x female

| Female NPT | Female NPT | Brass<br>Part # |
|------------|------------|-----------------|
| 1/8"       | 1/8"       | <b>NV2F</b>     |
| 1/4"       | 1/4"       | <b>NV4F</b>     |



Valves

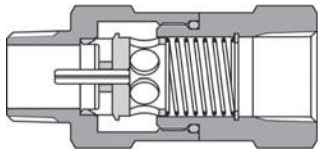
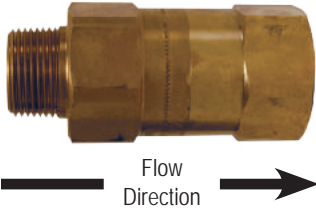
male x male

| Male NPT | Male NPT | Brass<br>Part # |
|----------|----------|-----------------|
| 1/4"     | 1/4"     | <b>NV4M</b>     |

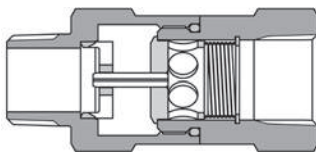


## Safety Check Valves

Valves



Open Position



Closed Position

### Application:

- used in temporary plant/factory air lines, construction sites, shipyards or utilities
- not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs, expansion joint blow down pipes, etc.



### Features:

- high flow valve provides optimum performance
- controls excess air flow (SCFM) in only one direction
- automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- solid brass body and valve
- stainless steel spring and roll pin
- maximum operating pressure: **350 PSI**
- maximum temperature: **250°F (121°C)**
- does not prevent backflow

### Specification:

- conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines

### How It Works:

- Safety check valves utilize the pressure differential across the valve to operate the valve and spring assembly. The pressure differential is directly related to the flow of air (SCFM) through the valve.
- When the pressure differential is within the operating limits - below the cutoff flow - of the unit, the force on the valve exerted by the spring is greater than that caused by the pressure differential (see "Open Position" graphic above). The valve remains open and normal operation continues.
- When the pressure differential is above the cutoff limit, the force on the valve exerted by the pressure differential is greater than the force exerted by the spring, and the valve closes (see the "Closed Position" graphic above).
- After the repair is made, normal operation is automatically enabled when pressure across the valve equalizes through the bleeder hole.
- The valve spring size can be specified by determining the air flow during normal operation and by estimating the air flow if a failure or rupture occurs.

| NPT & Hose ID Size | Cut-off Flow Rate (SCFM at 90 PSI) | Brass Part # | NPT & Hose ID Size | Cut-off Flow Rate (SCFM at 90 PSI) | Brass Part #  |
|--------------------|------------------------------------|--------------|--------------------|------------------------------------|---------------|
| 1/4"               | 23-29                              | <b>SCVL2</b> | 1 1/4"             | 260-290                            | <b>SCVL10</b> |
|                    | 30-36                              | <b>SCVL3</b> |                    | 300-340                            | <b>SCVM10</b> |
| 3/8"               | 39-47                              | <b>SCVM3</b> |                    | 440-500                            | <b>SCVS10</b> |
|                    | 52-65                              | <b>SCVS3</b> |                    | 570-630                            | <b>SCVH10</b> |
| 1/2"               | 70-78                              | <b>SCVM4</b> | 1 1/2"             | 300-360                            | <b>SCVL12</b> |
|                    | 80-96                              | <b>SCVS4</b> |                    | 470-530                            | <b>SCVM12</b> |
|                    | 72-88                              | <b>SCVL6</b> |                    | 564-602                            | <b>SCVX12</b> |
|                    | 92-108                             | <b>SCVM6</b> |                    | 640-720                            | <b>SCVS12</b> |
| 3/4"               | 112-128                            | <b>SCVR6</b> | 2"                 | 750-830                            | <b>SCVH12</b> |
|                    | 132-148                            | <b>SCVJ6</b> |                    | 510-590                            | <b>SCVL16</b> |
|                    | 160-180                            | <b>SCVS6</b> |                    | 725-825                            | <b>SCVM16</b> |
|                    | 180-200                            | <b>SCVH6</b> |                    | 900-1050                           | <b>SCVS16</b> |
| 1"                 | 165-195                            | <b>SCVL8</b> | 3"                 | 1100-1200                          | <b>SCVH16</b> |
|                    | 220-260                            | <b>SCVM8</b> |                    | 1200-1400                          | <b>SCVL24</b> |
|                    | 280-320                            | <b>SCVS8</b> |                    | 2400-2700                          | <b>SCVS24</b> |
|                    | 310-340                            | <b>SCVH8</b> |                    | 2850-3050                          | <b>SCVH24</b> |

## Safety Pop-Off Valves

### Applications:

- for use on compressors and in compressed air service

### Features:

- designed to protect un-fired pressure vessels from over-pressure
- ASME Code, National Board Certified
- CSA B51-03 certified
- maximum temperature: **400°F (204°C)**

### Soft Seat

#### Feature:

- constructed of precision machined brass bar stock with a silicone disc sealing on the brass

| Male NPT | Preset Pressure PSI | SCFM | Brass Part #     |
|----------|---------------------|------|------------------|
| 1/4"     | <b>100</b>          | 51   | <b>KSV10-100</b> |
|          | <b>125</b>          | 62   | <b>KSV10-125</b> |
|          | <b>150</b>          | 73   | <b>KSV10-150</b> |
|          | <b>175</b>          | 84   | <b>KSV10-175</b> |



### Standard

#### Features:

- brass valves are supplied with a stainless steel ball
- stainless valves are all stainless construction with a soft seat

| Male NPT | Preset Pressure PSI | SCFM | Brass Part # | SCFM | Stainless Steel Part # |
|----------|---------------------|------|--------------|------|------------------------|
| 1/4"     | <b>30</b>           | 35   | <b>SV30</b>  | 35   | <b>SV30SS</b>          |
|          | <b>100</b>          | 89   | <b>SV100</b> | 92   | <b>SV100SS</b>         |
|          | <b>125</b>          | 109  | <b>SV125</b> | 112  | <b>SV125SS</b>         |
|          | <b>150</b>          | 129  | <b>SV150</b> | 132  | <b>SV150SS</b>         |
|          | <b>175</b>          | 149  | <b>SV175</b> | 153  | <b>SV175SS</b>         |
|          | <b>200</b>          | 168  | <b>SV200</b> | 173  | <b>SV200SS</b>         |



### Heavy Duty, High Capacity

#### Feature:

- all brass construction with stainless steel ball on a precision machined brass seat

| Male NPT | Preset Pressure PSI | SCFM | Brass Part #              |
|----------|---------------------|------|---------------------------|
| 1/2"     | <b>30</b>           | 73   | <b>SV30HD<sup>1</sup></b> |
|          | <b>100</b>          | 208  | <b>SV100HD</b>            |
|          | <b>125</b>          | 254  | <b>SV125HD</b>            |
|          | <b>150</b>          | 300  | <b>SV150HD</b>            |
|          | <b>175</b>          | 346  | <b>SV175HD</b>            |
|          | <b>200</b>          | 391  | <b>SV200HD</b>            |



<sup>1</sup> constructed with soft seat



## Series C Check Valves

Valves



brass



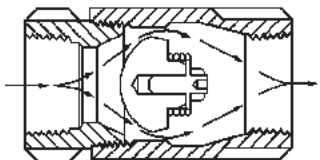
steel

**Features:**

- provides free flow in one direction and dependable shutoff in the opposite direction
- maximum operating pressure: **2000 PSI** at ambient temperature **70°F (21°C)**
- cracking pressure: **5 PSI**

| Female NPT | Free Flow GPM | Maximum Operating PSI at 70°F (21°C) | Brass Part #  | Maximum Operating PSI at 70°F (21°C) | Steel Part #  |
|------------|---------------|--------------------------------------|---------------|--------------------------------------|---------------|
| 1/8"       | 3             | <b>2000</b>                          | <b>BCV200</b> | <b>5000</b>                          | <b>SCV200</b> |
| 1/4"       | 5             | <b>2000</b>                          | <b>BCV400</b> | <b>5000</b>                          | <b>SCV400</b> |
| 3/8"       | 8             | <b>2000</b>                          | <b>BCV600</b> | <b>5000</b>                          | <b>SCV600</b> |
| 1/2"       | 15            | <b>2000</b>                          | <b>BCV800</b> | <b>5000</b>                          | <b>SCV800</b> |

## Domestic Ball Cone Check Valves

**Pressure Ratings**

| Temperature                    | Pressure WOG (PSI) |
|--------------------------------|--------------------|
| -20°F to 100°F (-29°C to 38°C) | 400                |
| 200°F (93°C)                   | 200                |
| 250°F (121°C)                  | 160                |
| 275°F (135°C)                  | 150                |
| 300°F (149°C)                  | 140                |
| 325°F (163°C)                  | 130                |
| 353°F (178°C)                  | 125                |

**Application:**

- For use with water, oil or inert gases. Not recommended for use on or near reciprocating pumps or other similar vibration causing machinery.

**Features:**

- tight shut-off with liquid media
- no radial alignment necessary
- straight through and streamlined for minimum change in velocity
- Reinforced PTFE check is spring loaded for fast seating action.
- pressure rating: **400 PSI** WOG, cold non-shock; **125 PSI** saturated steam
- cracking pressure: **.5 PSI**
- temperature range: **-20°F to 353°F (-29°C to 178°C)**

**Ball Cone Check Valve Female NPT x Female NPT**

| Size   | Brass Part #  | 316 Stainless Steel Part # |
|--------|---------------|----------------------------|
| 1/4"   | <b>61-101</b> | <b>62-101</b>              |
| 3/8"   | <b>61-102</b> | <b>62-102</b>              |
| 1/2"   | <b>61-103</b> | <b>62-103</b>              |
| 3/4"   | <b>61-104</b> | <b>62-104</b>              |
| 1"     | <b>61-105</b> | <b>62-105</b>              |
| 1 1/4" | <b>61-106</b> | <b>62-106</b>              |
| 1 1/2" | <b>61-107</b> | <b>62-107</b>              |
| 2"     | <b>61-108</b> | <b>62-108</b>              |
| 2 1/2" | <b>61-109</b> | ---                        |
| 3"     | <b>61-100</b> | ---                        |

**Ball Cone Check Valve Male NPT x Female NPT**

| Size   | Brass Part #  |
|--------|---------------|
| 1/4"   | <b>61-201</b> |
| 3/8"   | <b>61-202</b> |
| 1/2"   | <b>61-203</b> |
| 3/4"   | <b>61-204</b> |
| 1"     | <b>61-205</b> |
| 1 1/4" | <b>61-206</b> |
| 1 1/2" | <b>61-207</b> |
| 2"     | <b>61-208</b> |

## 800 PSI Stainless Steel Check Valves

**Features:**

- soft PTFE seat is spring loaded for fast seating action
- flow profile designed to minimize head loss
- temperature range: **10°F to 450°F (-12°C to 232°C)**
- pressure rating: **800 PSI WOG; 125 PSI saturated steam**
- cracking pressure: **.5 PSI**
- corrosion resistance, excellent for use on chemicals
- dual guided stem and disc

| Female NPT | 316 Stainless Steel<br>Part # |
|------------|-------------------------------|
| 1/4"       | <b>SSCVIL025</b>              |
| 3/8"       | <b>SSCVIL038</b>              |
| 1/2"       | <b>SSCVIL050</b>              |
| 3/4"       | <b>SSCVIL075</b>              |
| 1"         | <b>SSCVIL100</b>              |
| 1 1/4"     | <b>SSCVIL125</b>              |
| 1 1/2"     | <b>SSCVIL150</b>              |
| 2"         | <b>SSCVIL200</b>              |



Valves

## Forged Steel Check Valves

**Features:**

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: **1975 PSI**
- maximum temperature: **800°F (427°C)**
- can be used for steam service

| Female NPT | Forged Steel<br>Part # |
|------------|------------------------|
| 1/2"       | <b>FSCV50</b>          |
| 3/4"       | <b>FSCV75</b>          |
| 1"         | <b>FSCV100</b>         |
| 1 1/4"     | <b>FSCV125</b>         |
| 1 1/2"     | <b>FSCV150</b>         |
| 2"         | <b>FSCV200</b>         |



## Spring-Loaded Check Valves

**Features:**

- cracking pressure: 0.50 PSI
- NBR seat
- soft seat for bubble tight shutoff, spring loaded for fast seating action
- flow profile designed to minimize head loss
- pressure rating: 1/2" - 2" **400 PSI WOG**; 3" - 4" **175 PSI WOG**
- temperature range: **10°F to 210°F (-10°C to 100°C)**

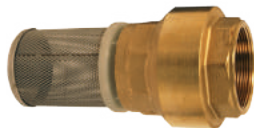
| Female NPT | Brass<br>Part # |
|------------|-----------------|
| 1/2"       | <b>CV050</b>    |
| 3/4"       | <b>CV075</b>    |
| 1"         | <b>CV100</b>    |
| 1 1/4"     | <b>CV125</b>    |
| 1 1/2"     | <b>CV150</b>    |
| 2"         | <b>CV200</b>    |
| 3"         | <b>CV300</b>    |
| 4"         | <b>CV400</b>    |



## Strainer with Spring-Loaded Check Valves

### Features:

- brass with NBR seat and stainless steel strainer
- soft seat for bubble tight shutoff, spring loaded for fast seating action
- flow profile designed to minimize head loss
- temperature range: **10°F to 210°F (-10°C to 100°C)**
- cracking pressure: **0.50 PSI**
- pressure rating: 1½"-2" **400 PSI** WOG, 3"-4" **175 PSI** WOG



| Female NPT | Brass Part #  |
|------------|---------------|
| 1½"        | <b>BVFS20</b> |
| 2"         | <b>BVFS25</b> |
| 3"         | <b>BVFS35</b> |
| 4"         | <b>BVFS40</b> |

## Horizontal Swing Check Valves

### Applications:

- for use in plumbing and liquid piping systems to prevent back flow

### Features:

- full flow performance with a minimum of turbulence or pressure loss
- brass disc
- for horizontal or vertical use
- A positive seating disc allows flow only in one direction and a screw-in cap provides easy access for periodic cleaning.
- pressure rating: **200 PSI** WOG
- temperature range: **-20° to 150°F (-29°C to 66°C)**



| Female NPT | Brass Part #   |
|------------|----------------|
| ½"         | <b>SWCV50</b>  |
| ¾"         | <b>SWCV75</b>  |
| 1"         | <b>SWCV100</b> |
| 1¼"        | <b>SWCV125</b> |
| 1½"        | <b>SWCV150</b> |
| 2"         | <b>SWCV200</b> |
| 3"         | <b>SWCV300</b> |
| 4"         | <b>SWCV400</b> |

## Domestic Swing Check Valves

### Features:

- Class 150
- ASME B1.20.1
- metal seat
- 100% factory tested
- working pressure: **300 PSI** cold, **150 PSI** steam
- temperature range: **-20°F to 406°F (-29°C to 208°C)**



| Female NPT | Brass Part #   |
|------------|----------------|
| ½"         | <b>DSCV50</b>  |
| ¾"         | <b>DSCV75</b>  |
| 1"         | <b>DSCV100</b> |
| 1¼"        | <b>DSCV125</b> |
| 1½"        | <b>DSCV150</b> |
| 2"         | <b>DSCV200</b> |

## Drum Plug Wrenches

## Features:

- sparkproof, natural finish is safe around flammables
- offset handle design reduces user stress and minimizes knuckle injury

| Bronze<br>Part # | Aluminum<br>Part # |
|------------------|--------------------|
| <b>DPW</b>       | <b>ADPW</b>        |



Valves

## Drum Faucets

## Polyethylene Drum Faucets

## Features:

- Faucets are *not* to be used in applications where temperatures exceed **140°F (60°C)**.
- no wrench needed for screwing into drum opening
- 2" faucet is shipped with a gasket; the ¾" does not require a gasket

| NPT Thread | Gold Polyethylene<br>Part # |
|------------|-----------------------------|
| ¾"         | <b>PEDF75</b>               |
| 2"         | <b>PEDF200</b>              |

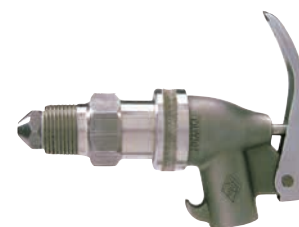


## Stainless Heavy Duty Adjustable Drum Faucets

## Features:

- ¾" NPT connection
- adjustable shank is designed to easily adjust to proper drain position after installing in drum
- PTFE gasket
- FM approved for use with oils and non-flammables

| Stainless Steel<br>Part # |
|---------------------------|
| <b>HDSSF75</b>            |



## Brass Heavy Duty Adjustable Drum Faucets

## Features:

- ¾" NPT connection
- easy to use, self-closing design
- FM approved for use with oils and non-corrosive flammables

| Brass<br>Part # |
|-----------------|
| <b>AHDBF75</b>  |



## Brass Heavy Duty Drum Faucet with Rigid Shanks

## Features:

- ¾" NPT connection
- easy to use, self-closing design
- PTFE gasket
- FM approved for use with oils and non-corrosive flammables

| Brass<br>Part # |
|-----------------|
| <b>HDBF75</b>   |



## Compression Bibb Faucets

## Application:

- for water use only

## Features:

- rough brass finish
- nozzle end is GHT

| Male NPT Inlet | Brass<br>Part #  |
|----------------|------------------|
| ½"             | <b>35-201-10</b> |
| ¾"             | <b>35-202-10</b> |



## Drum Thread Adapters

**Application:**

- for use in gravity discharge from drums

**Features:**

- male NPSH thread with gasket on the drum side allows for a connection to drums with female NPSH thread
- male NPT end allows for a connection with the female NPT found on most ball valves



| Size    | Cast Brass<br>Part # |
|---------|----------------------|
| 2" x 2" | <b>DMH20DR20</b>     |

## Drum Gate Valves

**Application:**

- ideal for drawing non-flammable liquids from drums and tanks

**Features:**

- iron body
- manually operated
- machined and lapped brass faceplate designed for oval discharge, ensures no splashing and a smooth operation
- black Japanned finish
- can be padlocked



| Male NPT | Iron<br>Part # |
|----------|----------------|
| 3/4"     | <b>D71</b>     |
| 2"       | <b>D75</b>     |

**Features:**

- lightweight, durable aluminum body provides improved corrosion resistance for certain fluids
- sturdy 2" handle is stamped metal with black enamel finish
- can be padlocked



| Male NPT | Aluminum<br>Part # |
|----------|--------------------|
| 2"       | <b>D75AL</b>       |

## Self-Closing Gate Valves

**Application:**

- ideal for dispensing viscous liquids such as oil, grease, paint, varnish and syrups from drums and tanks

**Features:**

- gray iron body, brass sliding gate and machine lapped sealing surface
- gate closes automatically when handle is released, cleaning discharge surface
- can be padlocked



| Male NPT | Iron<br>Part # |
|----------|----------------|
| 3/4"     | <b>D71SC</b>   |
| 2"       | <b>D75SC</b>   |

## Sanitary Tube Fittings ..... 564 to 630

|   |            |
|---|------------|
| Clamps .....                            | 564 to 566 |
| Clamp accessories .....                 | 566        |
| Clamp fittings.....                     | 567 to 576 |
| Ferrules.....                           | 567 to 568 |
| Caps.....                               | 569        |
| Adapters.....                           | 569 to 572 |
| Elbows .....                            | 572 to 574 |
| Tees .....                              | 574        |
| Reducers.....                           | 575        |
| Crosses.....                            | 575        |
| Miscellaneous configurations.....       | 576        |
| Covers.....                             | 576        |
| Quick weld ferrules .....               | 577        |
| Breakaway couplings.....                | 577        |
| Gaskets.....                            | 578 to 583 |
| Cam and groove transition .....         | 584        |
| Dixon® weld to tube cam and groove..... | 584        |
| European fittings.....                  | 585 to 588 |
| Bevel seat.....                         | 589 to 593 |
| Nuts.....                               | 589        |
| Hex wrenches .....                      | 589        |
| Ferrules.....                           | 590 to 591 |
| End caps .....                          | 591        |
| Adapters.....                           | 591        |
| Elbows .....                            | 592        |
| Reducers.....                           | 592        |
| Breakaway couplings .....               | 592        |
| Gaskets.....                            | 593        |
| I-line / Q-line .....                   | 594 to 598 |
| Clamps.....                             | 594        |
| Ferrules.....                           | 595 to 596 |
| End caps.....                           | 596        |
| Gaskets.....                            | 597 to 598 |
| Pipe size .....                         | 599 to 603 |
| Clamps.....                             | 599        |
| Ferrules.....                           | 599 to 600 |
| End caps .....                          | 600        |
| Adapters.....                           | 601        |
| Hangers .....                           | 602        |
| Gaskets.....                            | 603        |
| Polished weld .....                     | 604 to 609 |
| Elbows .....                            | 604 to 606 |
| Sweep elbows.....                       | 606        |
| Tees .....                              | 607        |
| Adapters.....                           | 608        |
| Reducers.....                           | 608        |
| Crosses.....                            | 609        |
| Miscellaneous configurations.....       | 609        |
| Protection covers .....                 | 610        |
| Unpolished weld .....                   | 610 to 614 |
| Elbows .....                            | 610 to 611 |

## Sanitary Tube Fittings (cont.) .. 564 to 630

|                                    |            |
|------------------------------------|------------|
| End caps.....                      | 611        |
| Adapters.....                      | 611        |
| Tees .....                         | 612        |
| Reducers.....                      | 613        |
| Type A stub ends.....              | 613        |
| Miscellaneous configurations.....  | 614        |
| Flanges .....                      | 615        |
| Spray balls.....                   | 616        |
| Sight glasses .....                | 617 to 618 |
| Swivels .....                      | 619        |
| Pressure gauges .....              | 620        |
| Strainers .....                    | 621 to 622 |
| Tube hangers .....                 | 623 to 624 |
| Wall flanges .....                 | 624        |
| High purity Biopharm fittings..... | 625 to 630 |
| Elbows .....                       | 625 to 626 |
| Tees .....                         | 626 to 627 |
| Reducers.....                      | 628 to 629 |
| Ferrules.....                      | 630        |
| Caps.....                          | 630        |

## Sanitary Valves ..... 631 to 652

|                                 |            |
|---------------------------------|------------|
| 2-way, 3 piece ball valves..... | 631 to 632 |
| Butterfly valves .....          | 633 to 636 |
| Clamp end.....                  | 633 to 635 |
| B5115 series .....              | 636        |
| Spring check valves.....        | 637        |
| Y ball check valves.....        | 638        |
| Air blow check valves .....     | 639        |
| Tank vent valve.....            | 640 to 642 |
| 3A sample valves.....           | 642        |

## Actuation: Electric ..... 643 to 645


|  |     |
|--|-----|
| 2-piece stainless steel ball valves .....          | 643 |
| 3-piece stainless steel ball valves .....          | 643 |
| Brass ball valves.....                             | 644 |
| 3-way stainless steel ball valves T / L port ..... | 645 |
| 3-way brass ball valves T / L port .....           | 645 |

## Actuation: Pneumatic ..... 646 to 652

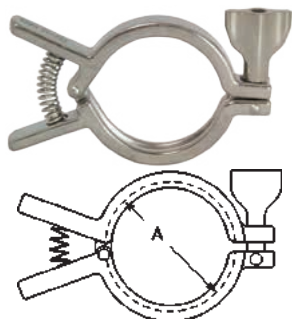
|   |            |
|---|------------|
| 2-piece stainless steel ball valves ..... | 646        |
| 3-piece stainless ball valves.....        | 646        |
| Brass ball valves.....                    | 647        |
| 3-way brass ball valves T / L port .....  | 648 to 649 |
| Wafer butterfly valves .....              | 650        |
| Lug butterfly valves.....                 | 650        |
| Flow paths .....                          | 651        |
| Accessories .....                         | 652        |
| Limit switches.....                       | 652        |
| Solenoids .....                           | 652        |
| Positioners .....                         | 652        |



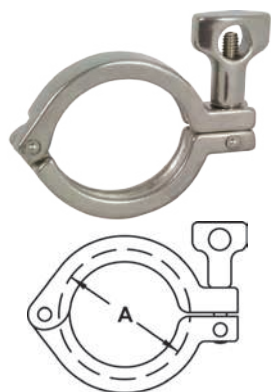
## Clamps

Service pressure ratings are based on the following parameters: matching elastomer gaskets and weld ferrules properly aligned and assembled with the clamps tightened to the required torque (25 in. lbs.). Tests are done hydrostatically with no water hammer or shock loads. Please note the pressure ratings of the described unions are above the recommended pipe line operating pressures. 

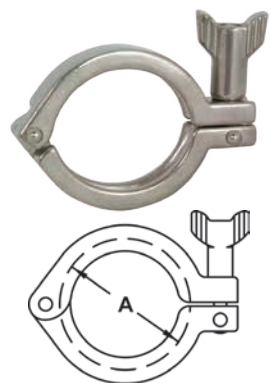
Dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

**Single Pin Squeeze - 13MHHM-Q**

| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | Stainless Steel<br>Part # |
|----------|--|--|----------------|---------------------------|
| ½" - ¾"  | <b>1500</b>  | <b>1200</b>  | 1.062"         | <b>13MHHM-Q75</b>         |
| 1" - 1½" | <b>500</b>   | <b>300</b>   | 2.122"         | <b>13MHHM-Q100150</b>     |
| 2"       | <b>450</b>   | <b>250</b>   | 2.654"         | <b>13MHHM-Q200</b>        |
| 2½"      | <b>400</b>   | <b>200</b>   | 3.185"         | <b>13MHHM-Q250</b>        |
| 3"       | <b>350</b>   | <b>175</b>   | 3.717"         | <b>13MHHM-Q300</b>        |
| 4"       | <b>300</b>   | <b>150</b>   | 4.820"         | <b>13MHHM-Q400</b>        |

**Single Pin Heavy Duty - 13MHHM  
with cross hole wing nut**

| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | Stainless Steel<br>Part # |
|----------|--|--|----------------|---------------------------|
| ½" - ¾"  | <b>1500</b>  | <b>1200</b>  | 1.062"         | <b>13MHHM50-75</b>        |
| 1" - 1½" | <b>500</b>   | <b>300</b>   | 2.122"         | <b>13MHHM100-150</b>      |
| 2"       | <b>450</b>   | <b>250</b>   | 2.654"         | <b>13MHHM200</b>          |
| 2½"      | <b>400</b>   | <b>200</b>   | 3.185"         | <b>13MHHM250</b>          |
| 3"       | <b>350</b>   | <b>175</b>   | 3.717"         | <b>13MHHM300</b>          |
| 4"       | <b>300</b>   | <b>150</b>   | 4.820"         | <b>13MHHM400</b>          |
| 5"       | <b>225</b>   | <b>100</b>   | 5.820"         | <b>13MHHM500</b>          |
| 6"       | <b>150</b>   | <b>75</b>  | 6.695"         | <b>13MHHM600</b>          |
| 8"       | <b>100</b>   | <b>50</b>  | 8.695"         | <b>13MHHM800</b>          |

**Single Pin Heavy Duty - 13MHHM\*\*\*SN  
with serrated wing nut**

| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | Stainless Steel<br>Part # |
|----------|--|--|----------------|---------------------------|
| ½" - ¾"  | <b>1500</b>  | <b>1200</b>  | 1.062"         | <b>13MHHM50-75SN</b>      |
| 1" - 1½" | <b>500</b>   | <b>300</b>   | 2.122"         | <b>13MHHM100-150SN</b>    |
| 2"       | <b>450</b>   | <b>250</b>   | 2.654"         | <b>13MHHM200SN</b>        |
| 2½"      | <b>400</b>   | <b>200</b>   | 3.185"         | <b>13MHHM250SN</b>        |
| 3"       | <b>350</b>   | <b>175</b>   | 3.717"         | <b>13MHHM300SN</b>        |
| 4"       | <b>300</b>   | <b>150</b>   | 4.820"         | <b>13MHHM400SN</b>        |
| 5"       | <b>225</b>   | <b>100</b>   | 5.820"         | <b>13MHHM500SN</b>        |
| 6"       | <b>150</b>   | <b>75</b>  | 6.695"         | <b>13MHHM600SN</b>        |
| 8"       | <b>100</b>   | <b>50</b>  | 8.695"         | <b>13MHHM800SN</b>        |

**Double Pin Heavy Duty - 13MHHM-DP**

| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | Stainless Steel<br>Part # |
|----------|--|--|----------------|---------------------------|
| 1" - 1½" | <b>500</b>   | <b>300</b>   | 2.122"         | <b>13MHHM-DP100150</b>    |
| 2"       | <b>450</b>   | <b>250</b>   | 2.654"         | <b>13MHHM-DP200</b>       |
| 2½"      | <b>400</b>   | <b>200</b>   | 3.185"         | <b>13MHHM-DP250</b>       |
| 3"       | <b>350</b>   | <b>175</b>   | 3.717"         | <b>13MHHM-DP300</b>       |
| 4"       | <b>300</b>   | <b>150</b>   | 4.820"         | <b>13MHHM-DP400</b>       |
| 10"      | <b>100</b>   | <b>50</b>  | 10.740"        | <b>13MHHM-DP1000</b>      |

<sup>1</sup> wing nut tightened to 25 in. lb. of torque

## Clamps

## Three Segment - 13MHHM-3P

| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | Stainless Steel<br>Part # |
|----------|--|--|----------------|---------------------------|
| 1" - 1½" | <b>600</b>   | <b>300</b>   | 2.122"         | <b>13MHHM-3P100150</b>    |
| 2"       | <b>550</b>   | <b>275</b>   | 2.654"         | <b>13MHHM-3P200</b>       |
| 2½"      | <b>450</b>   | <b>225</b>   | 3.185"         | <b>13MHHM-3P250</b>       |
| 3"       | <b>350</b>   | <b>175</b>   | 3.717"         | <b>13MHHM-3P300</b>       |
| 4"       | <b>300</b>   | <b>150</b>   | 4.820"         | <b>13MHHM-3P400</b>       |
| 12"      | <b>75</b>  | <b>50</b>  | 12.740"        | <b>13MHHM-3P1200</b>      |

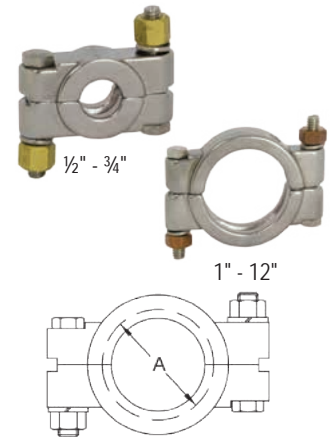
<sup>1</sup> wing nut tightened to 25 in. lb. of torque

Sanitary  
Fittings

## Bolted - 13MHP

| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | Stainless Steel<br>Part # |
|----------|--|--|----------------|---------------------------|
| ½" - ¾"  | <b>1500</b>  | <b>1200</b>  | 1.062"         | <b>13MHP75</b>            |
| 1" - 1½" | <b>1500</b>  | <b>1200</b>  | 2.046"         | <b>13MHP100-150</b>       |
| 2"       | <b>1000</b>  | <b>800</b>   | 2.578"         | <b>13MHP200</b>           |
| 2½"      | <b>1000</b>  | <b>800</b>   | 3.110"         | <b>13MHP250</b>           |
| 3"       | <b>1000</b>  | <b>800</b>   | 3.640"         | <b>13MHP300</b>           |
| 4"       | <b>800</b>   | <b>600</b>   | 4.744"         | <b>13MHP400</b>           |
| 6"       | <b>300</b>   | <b>200</b>   | 6.632"         | <b>13MHP600</b>           |
| 8"       | <b>250</b>   | <b>150</b>   | 8.638"         | <b>13MHP800</b>           |
| 10"      | <b>200</b>   | <b>125</b>   | 10.740"        | <b>13MHP1000</b>          |
| 12"      | <b>150</b>   | <b>100</b>   | 12.740"        | <b>13MHP1200</b>          |

<sup>1</sup> all nuts are tightened to 20 ft. lbs. of torque



## Toggle - 13MHLA

| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | 304 Stainless Steel<br>Part # |
|----------|--|--|----------------|-------------------------------|
| 1" - 1½" | <b>150</b>   | <b>125</b>   | 2.122"         | <b>13MHLA100-150</b>          |
| 2"       | <b>150</b>   | <b>125</b>   | 2.654"         | <b>13MHLA200</b>              |
| 2½"      | <b>150</b>   | <b>125</b>   | 3.185"         | <b>13MHLA250</b>              |
| 3"       | <b>150</b>   | <b>125</b>   | 3.717"         | <b>13MHLA300</b>              |
| 4"       | <b>100</b>   | <b>75</b>  | 4.820"         | <b>13MHLA400</b>              |

<sup>1</sup> screw tightened to maximum

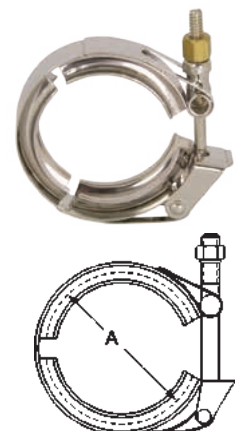


## T-bolt - 13MO

| Tube OD          | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | 304 Stainless Steel<br>Part # |
|------------------|--|--|----------------|-------------------------------|
| 1" - 1½"         | <b>500</b>   | <b>250</b>   | 2.080"         | <b>13MO100-150</b>            |
| 2"               | <b>350</b>   | <b>200</b>   | 2.610"         | <b>13MO200</b>                |
| 2½"              | <b>300</b>   | <b>150</b>   | 3.140"         | <b>13MO250</b>                |
| 3"               | <b>200</b>   | <b>100</b>   | 3.670"         | <b>13MO300</b>                |
| 4"               | <b>100</b>   | <b>75</b>  | 4.780"         | <b>13MO400</b>                |
| 6"               | <b>75</b>  | <b>50</b>  | 6.690"         | <b>13MO600</b>                |
| 8" <sup>2</sup>  | <b>50</b>  | <b>40</b>  | 8.690"         | <b>13MO800</b>                |
| 10" <sup>2</sup> | <b>40</b>  | <b>30</b>  | 10.690"        | <b>13MO1000</b>               |
| 12" <sup>2</sup> | <b>30</b>  | <b>25</b>  | 12.690"        | <b>13MO1200</b>               |

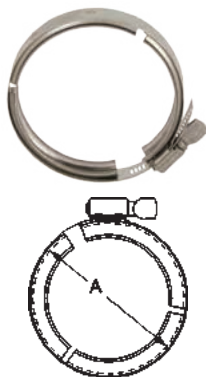
<sup>1</sup> 1" - 3" nuts tightened to 20 in. lb., 4" nut tightened to 30 in. lb., 6" nut tightened to 40 in. lb. and 8" - 12" nuts tightened to 50 in. lb. of torque

<sup>2</sup> 2 bolt configuration



## Clamps

## Dairy - 13WGC

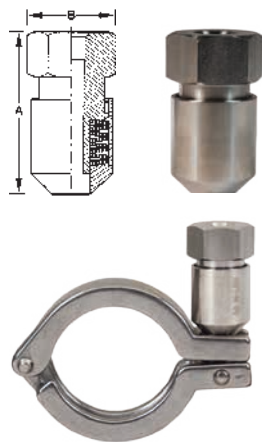


| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | 304 Stainless Steel<br>Part # |
|----------|--|--|----------------|-------------------------------|
| 1" - 1½" | 100  | 75   | 2.08"          | 13WGC100-150                  |
| 2"       | 100  | 75   | 2.61"          | 13WGC200                      |
| 2½"      | 100  | 75   | 3.14"          | 13WGC250                      |
| 3"       | 100  | 75   | 3.67"          | 13WGC300                      |
| 4"       | 100  | 75   | 4.78"          | 13WGC400                      |

<sup>1</sup> finger tight

## Accessories

## Spring Loaded Nut - 13SLN



## Features:

- Lines using PTFE gaskets that are subject to large temperature swings can benefit from this special product. As the PTFE is compressed through the cycling of the lines, the spring loaded will help keep the connection from leaking.
- If the lines suffer from vibration and bolted clamps are not an option, refitting single pin clamps with this nut will keep the connections from leaking for a longer time than the standard wing nuts.
- If you transport material in tanks via truck, the vibrations can loosen the standard single pin clamps - spring loaded nuts can add a level of insurance to the shipment.
- note: can be used on all wing nut style clamps.
- torque to 50 in. lb.

| Thread     | Dimension<br>A | Dimension<br>B | 304 Stainless Steel<br>Part # |
|------------|----------------|----------------|-------------------------------|
| 5/16" - 18 | 1.73"          | .875"          | 13SLN                         |

## Nuts and Bolts



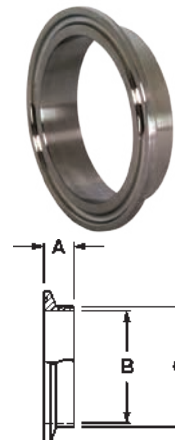
| Description   | Part Number |
|---|-------------|
| cross hole wing nut 5/16"-18                                  | 13WNX       |
| mini cross hole wing nut 5/16"-18 for ½" - ¾" clamps          | 13WNXM      |
| serrated wing nut 5/16"-18                                    | 13WNS       |
| hex wing nut 5/16"-18   | 13WNH       |
| bronze hex nut ¾"-16 for bolted clamps                        | 13BN        |
| brass 3/8-16 nuts used on ½" - ¾" and 10" & 12" bolted clamps | 13BNH       |
| stainless steel hex nut for bolted clamps                     | 13SN        |
| ¾" 304 stainless steel lock washer                            | 13LW        |
| bolt ¾"-16 x 2¼" for ½" - 1½" bolted clamps                   | 13CB-2.25   |
| bolt ¾"-16 x 2¾" for 2" and 2½" bolted clamps                 | 13CB-2.75   |
| bolt ¾"-16 x 3¼" for 3" - 12" bolted clamps                   | 13CB-3.25   |
| rivet pin for ½" - 5" single pin clamps 5/16" x 1"            | 13RP        |
| rivet pin for 6" and 8" single pin clamps 5/16" x 1½"         | 13RP6       |
| 5/16"-18 x 2" threaded eye bolt for ½" - 5" clamps            | 13IB        |
| 5/16"-18 x 2½" threaded eye bolt for 6" - 12" clamps          | 13IB6       |

## Clamp Fittings - Ferrules

## Short Weld - 14WMP

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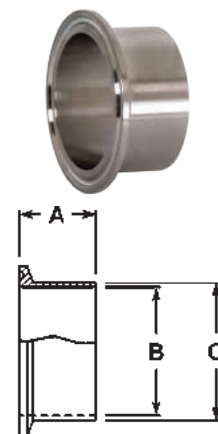
| Tube OD | Dimensions |         |         | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|------------|---------|---------|----------------------------|-----------------------------|
|         | A          | B       | C       |                            |                             |
| ½"      | .500"      | .370"   | .500"   | <b>14WMP-G50</b>           | <b>14WMP-R50</b>            |
| ¾"      | .500"      | .620"   | .750"   | <b>14WMP-G75</b>           | <b>14WMP-R75</b>            |
| 1"      | .500"      | .870"   | 1.000"  | <b>14WMP-G100</b>          | <b>14WMP-R100</b>           |
| 1½"     | .500"      | 1.370"  | 1.500"  | <b>14WMP-G150</b>          | <b>14WMP-R150</b>           |
| 2"      | .500"      | 1.870"  | 2.000"  | <b>14WMP-G200</b>          | <b>14WMP-R200</b>           |
| 2½"     | .500"      | 2.370"  | 2.500"  | <b>14WMP-G250</b>          | <b>14WMP-R250</b>           |
| 3"      | .500"      | 2.870"  | 3.000"  | <b>14WMP-G300</b>          | <b>14WMP-R300</b>           |
| 4"      | .625"      | 3.834"  | 4.000"  | <b>14WMP-G400</b>          | <b>14WMP-R400</b>           |
| 5"      | .750"      | 4.782"  | 5.000"  | <b>14WMP-G500</b>          | <b>14WMP-R500</b>           |
| 6"      | .875"      | 5.782"  | 6.000"  | <b>14WMP-G600</b>          | <b>14WMP-R600</b>           |
| 8"      | .875"      | 7.782"  | 8.000"  | <b>14WMP-G800</b>          | <b>14WMP-R800</b>           |
| 10"     | .875"      | 9.760"  | 10.000" | <b>14WMP-G1000</b>         | <b>14WMP-R1000</b>          |
| 12"     | .875"      | 11.760" | 12.000" | <b>14WMP-G1200</b>         | <b>14WMP-R1200</b>          |

Sanitary  
Fittings

## Long Weld - L14AM7

A  
3

| Tube OD | Dimensions |         |         | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|------------|---------|---------|----------------------------|-----------------------------|
|         | A          | B       | C       |                            |                             |
| ½"      | 1.125"     | .370"   | .500"   | <b>L14AM7-G50</b>          | <b>L14AM7-R50</b>           |
| ¾"      | 1.125"     | .620"   | .750"   | <b>L14AM7-G75</b>          | <b>L14AM7-R75</b>           |
| 1"      | 1.125"     | .870"   | 1.000"  | <b>L14AM7-G100</b>         | <b>L14AM7-R100</b>          |
| 1½"     | 1.125"     | 1.370"  | 1.500"  | <b>L14AM7-G150</b>         | <b>L14AM7-R150</b>          |
| 2"      | 1.125"     | 1.870"  | 2.000"  | <b>L14AM7-G200</b>         | <b>L14AM7-R200</b>          |
| 2½"     | 1.125"     | 2.370"  | 2.500"  | <b>L14AM7-G250</b>         | <b>L14AM7-R250</b>          |
| 3"      | 1.125"     | 2.870"  | 3.000"  | <b>L14AM7-G300</b>         | <b>L14AM7-R300</b>          |
| 4"      | 1.125"     | 3.834"  | 4.000"  | <b>L14AM7-G400</b>         | <b>L14AM7-R400</b>          |
| 5"      | 1.125"     | 4.782"  | 5.000"  | <b>L14AM7-G500</b>         | <b>L14AM7-R500</b>          |
| 6"      | 1.500"     | 5.782"  | 6.000"  | <b>L14AM7-G600</b>         | <b>L14AM7-R600</b>          |
| 8"      | 1.500"     | 7.782"  | 8.000"  | <b>L14AM7-G800</b>         | <b>L14AM7-R800</b>          |
| 10"     | 1.750"     | 9.760"  | 10.000" | <b>L14AM7-G1000</b>        | <b>L14AM7-R1000</b>         |
| 12"     | 1.750"     | 11.760" | 12.000" | <b>L14AM7-G1200</b>        | <b>L14AM7-R1200</b>         |



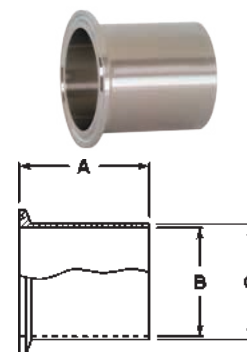
## Specification:

- meets ASME BPE-2012 specifications

## Automatic Weld - TL14AM7

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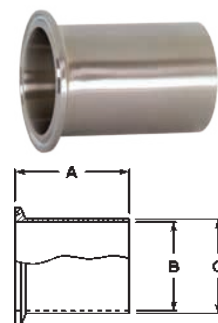
| Tube OD | Dimensions |        |        | 316L Stainless Steel Part # |
|---------|------------|--------|--------|-----------------------------|
|         | A          | B      | C      |                             |
| ½"      | 1.750"     | .370"  | .500"  | <b>TL14AM7-050PL</b>        |
| ¾"      | 1.750"     | .620"  | .750"  | <b>TL14AM7-075PL</b>        |
| 1"      | 1.750"     | .870"  | 1.000" | <b>TL14AM7-100PL</b>        |
| 1½"     | 1.750"     | 1.370" | 1.500" | <b>TL14AM7-150PL</b>        |
| 2"      | 2.250"     | 1.870" | 2.000" | <b>TL14AM7-200PL</b>        |
| 3"      | 2.250"     | 2.870" | 3.000" | <b>TL14AM7-300PL</b>        |
| 4"      | 2.250"     | 3.834" | 4.000" | <b>TL14AM7-400PL</b>        |



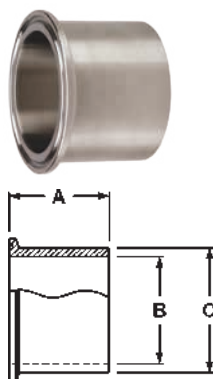
## Tank (light duty) - 14WLMP

A  
3

| Tube OD | Dimensions |        |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|------------|--------|--------|----------------------------|-----------------------------|
|         | A          | B      | C      |                            |                             |
| 1"      | 3.000"     | .870"  | 1.000" | <b>14WLMP-G100</b>         | <b>14WLMP-R100</b>          |
| 1½"     | 3.000"     | 1.370" | 1.500" | <b>14WLMP-G150</b>         | <b>14WLMP-R150</b>          |
| 2"      | 3.000"     | 1.870" | 2.000" | <b>14WLMP-G200</b>         | <b>14WLMP-R200</b>          |
| 2½"     | 3.000"     | 2.370" | 2.500" | <b>14WLMP-G250</b>         | <b>14WLMP-R250</b>          |
| 3"      | 4.000"     | 2.870" | 3.000" | <b>14WLMP-G300</b>         | <b>14WLMP-R300</b>          |
| 4"      | 4.000"     | 3.834" | 4.000" | <b>14WLMP-G400</b>         | <b>14WLMP-R400</b>          |
| 6"      | 6.000"     | 5.782" | 6.000" | <b>14WLMP-G600</b>         | <b>14WLMP-R600</b>          |



## Clamp Fittings - Ferrules

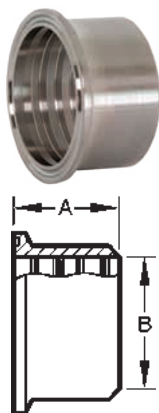
Sanitary  
Fittings

## Tank (heavy duty) - 14MPW

## Specification:

- certified ASME materials

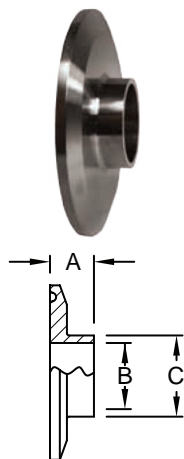
| Tube OD | Dimensions |        |        | 316L Stainless Steel Part # |
|---------|------------|--------|--------|-----------------------------|
|         | A          | B      | C      |                             |
| ½"      | 1.625"     | .321"  | .502"  | <b>14MPW-R50</b>            |
| ¾"      | 1.625"     | .574"  | .750"  | <b>14MPW-R75</b>            |
| 1"      | 1.625"     | .870"  | 1.160" | <b>14MPW-R100</b>           |
| 1½"     | 1.625"     | 1.370" | 1.676" | <b>14MPW-R150</b>           |
| 2"      | 1.750"     | 1.870" | 2.192" | <b>14MPW-R200</b>           |
| 2½"     | 1.750"     | 2.370" | 2.708" | <b>14MPW-R250</b>           |
| 3"      | 1.813"     | 2.870" | 3.224" | <b>14MPW-R300</b>           |
| 4"      | 2.125"     | 3.834" | 4.256" | <b>14MPW-R400</b>           |
| 6"      | 2.500"     | 5.758" | 6.192" | <b>14MPW-R600</b>           |



## Roll-on for Expanding - 14RMP

| Tube OD | Dimensions |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|------------|--------|----------------------------|-----------------------------|
|         | A          | B      |                            |                             |
| 1"      | .750"      | 1.005" | <b>14RMP-G100</b>          | <b>14RMP-R100</b>           |
| 1½"     | 1.125"     | 1.505" | <b>14RMP-G150</b>          | <b>14RMP-R150</b>           |
| 2"      | 1.312"     | 2.005" | <b>14RMP-G200</b>          | <b>14RMP-R200</b>           |
| 2½"     | 1.375"     | 2.505" | <b>14RMP-G250</b>          | <b>14RMP-R250</b>           |
| 3"      | 1.437"     | 3.005" | <b>14RMP-G300</b>          | <b>14RMP-R300</b>           |
| 4"      | 1.500"     | 4.005" | <b>14RMP-G400</b>          | <b>14RMP-R400</b>           |

<sup>1</sup> Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.



## Reducing - B31WMP

| Tube OD   | Dimensions |        |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|-----------|------------|--------|--------|----------------------------|-----------------------------|
|           | A          | B      | C      |                            |                             |
| 2" x 1"   | .500"      | .870"  | 1.000" | <b>B31WMP-G200100</b>      | <b>B31WMP-R200100</b>       |
| 2½" x 1½" | .500"      | 1.370" | 1.500" | <b>B31WMP-G250150</b>      | <b>B31WMP-R250150</b>       |
| 2½" x 2"  | .500"      | 1.870" | 2.000" | <b>B31WMP-G250200</b>      | <b>B31WMP-R250200</b>       |
| 3" x 2"   | .500"      | 1.870" | 2.000" | <b>B31WMP-G300200</b>      | <b>B31WMP-R300200</b>       |
| 4" x 3"   | .625"      | 2.870" | 3.000" | <b>B31WMP-G400300</b>      | <b>B31WMP-R400300</b>       |



## Clamp Fittings - Caps

## Solid End - 16AMP



- Specify if you are using a piping system or a tubing system when ordering.

| Tube OD  | Dimensions |         | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|----------|------------|---------|----------------------------|-----------------------------|
|          | A          | B       |                            |                             |
| ½" - ¾"  | .187"      | .992"   | <b>16AMP-G50-75</b>        | <b>16AMP-R50-75</b>         |
| 1" - 1½" | .250"      | 1.984"  | <b>16AMP-G100-150</b>      | <b>16AMP-R100-150</b>       |
| 2"       | .250"      | 2.516"  | <b>16AMP-G200</b>          | <b>16AMP-R200</b>           |
| 2½"      | .250"      | 3.047"  | <b>16AMP-G250</b>          | <b>16AMP-R250</b>           |
| 3"       | .250"      | 3.579"  | <b>16AMP-G300</b>          | <b>16AMP-R300</b>           |
| 4"       | .312"      | 4.682"  | <b>16AMP-G400</b>          | <b>16AMP-R400</b>           |
| 5"       | .376"      | 5.687"  | <b>16AMP-G500</b>          | <b>16AMP-R500</b>           |
| 6"       | .437"      | 6.570"  | <b>16AMP-G600</b>          | <b>16AMP-R600</b>           |
| 8"       | .437"      | 8.570"  | <b>16AMP-G800</b>          | <b>16AMP-R800</b>           |
| 10"      | .437"      | 10.570" | <b>16AMP-G1000</b>         | <b>16AMP-R1000</b>          |
| 12"      | .437"      | 12.750" | <b>16AMP-G1200</b>         | <b>16AMP-R1200</b>          |



Sanitary Fittings

## Thermometer - B23BMP

| Tube OD | Dimensions |        |                | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|------------|--------|----------------|----------------------------|-----------------------------|
|         | A          | B      | C <sup>1</sup> |                            |                             |
| ½"      | .500"      | .992"  | ¼" NPT         | ---                        | <b>B23BMP-R5014</b>         |
| ¾"      | .500"      | .992"  | ¼" NPT         | ---                        | <b>B23BMP-R7514</b>         |
| 1"      | .625"      | 1.984" | ½" NPT         | <b>B23BMP-G100</b>         | <b>B23BMP-R100</b>          |
| 1½"     | .625"      | 1.984" | ¾" NPT         | <b>B23BMP-G150</b>         | <b>B23BMP-R150</b>          |
| 2"      | .625"      | 2.516" | ¾" NPT         | <b>B23BMP-G200</b>         | <b>B23BMP-R200</b>          |
| 2½"     | .625"      | 3.047" | ¾" NPT         | <b>B23BMP-G250</b>         | <b>B23BMP-R250</b>          |
| 3"      | .625"      | 3.579" | ¾" NPT         | <b>B23BMP-G300</b>         | <b>B23BMP-R300</b>          |
| 4"      | .625"      | 4.682" | ¾" NPT         | <b>B23BMP-G400</b>         | <b>B23BMP-R400</b>          |

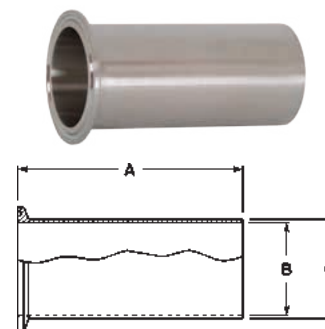
<sup>1</sup> other NPT tap sizes available, contact Dixon®



## Clamp Fittings - Adapters

## Tygon® Hose - 14MPHT

| Tube OD | Dimensions |        |        | 316L Stainless Steel Part # |
|---------|------------|--------|--------|-----------------------------|
|         | A          | B      | C      |                             |
| ¾"      | 4.000"     | .620"  | .750"  | <b>14MPHT-R75</b>           |
| 1"      | 4.500"     | .870"  | 1.000" | <b>14MPHT-R100</b>          |
| 1½"     | 4.500"     | 1.370" | 1.500" | <b>14MPHT-R150</b>          |
| 2"      | 4.500"     | 1.870" | 2.000" | <b>14MPHT-R200</b>          |
| 2½"     | 4.500"     | 2.370" | 2.500" | <b>14MPHT-R250</b>          |
| 3"      | 4.500"     | 2.870" | 3.000" | <b>14MPHT-R300</b>          |
| 4"      | 4.625"     | 3.834" | 4.000" | <b>14MPHT-R400</b>          |



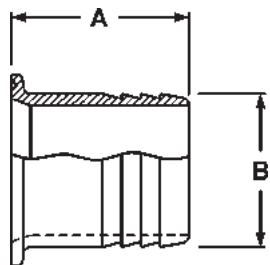


## Clamp Fittings - Adapters

## Rubber Hose - 14MPHR

| Tube OD | Hose Size | Dimensions |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|-----------|------------|--------|----------------------------|-----------------------------|
|         |           | A          | B      |                            |                             |
| ½"      | ¼"        | 1.500"     | .290"  | ---                        | <b>14MPHR-R5025</b>         |
|         | ½"        | 1.500"     | .540"  | ---                        | <b>14MPHR-R50</b>           |
|         | ¾"        | 1.500"     | .790"  | ---                        | <b>14MPHR-R5075</b>         |
| ¾"      | ¼"        | 1.500"     | .290"  | ---                        | <b>14MPHR-R7525</b>         |
|         | ⅜"        | 1.500"     | .415"  | ---                        | <b>14MPHR-R75375</b>        |
|         | ½"        | 1.500"     | .540"  | ---                        | <b>14MPHR-R7550</b>         |
|         | ¾"        | 1.500"     | .790"  | ---                        | <b>14MPHR-R75</b>           |
| 1"      | ⅜"        | 1.500"     | .415"  | ---                        | <b>14MPHR-R100375</b>       |
|         | ½"        | 1.500"     | .540"  | ---                        | <b>14MPHR-R10050</b>        |
|         | ¾"        | 1.688"     | .790"  | <b>14MPHR-G10075</b>       | <b>14MPHR-R10075</b>        |
|         | 1"        | 1.688"     | 1.040" | <b>14MPHR-G100</b>         | <b>14MPHR-R100</b>          |
| 1½"     | ½"        | 1.500"     | .540"  | <b>14MPHR-G15050</b>       | <b>14MPHR-R15050</b>        |
|         | ⅝"        | 1.500"     | .665"  | ---                        | <b>14MPHR-R150625</b>       |
|         | ¾"        | 1.500"     | .790"  | <b>14MPHR-G15075</b>       | <b>14MPHR-R15075</b>        |
|         | 1"        | 1.687"     | 1.040" | <b>14MPHR-G150100</b>      | <b>14MPHR-R150100</b>       |
|         | 1½"       | 1.687"     | 1.540" | <b>14MPHR-G150</b>         | <b>14MPHR-R150</b>          |
| 2"      | 1½"       | 2.312"     | 1.540" | <b>14MPHR-G200150</b>      | <b>14MPHR-R200150</b>       |
|         | 2"        | 2.312"     | 2.040" | <b>14MPHR-G200</b>         | <b>14MPHR-R200</b>          |
| 2½"     | 2½"       | 2.344"     | 2.540" | <b>14MPHR-G250</b>         | <b>14MPHR-R250</b>          |
| 3"      | 3"        | 3.094"     | 3.040" | <b>14MPHR-G300</b>         | <b>14MPHR-R300</b>          |
| 4"      | 4"        | 3.406"     | 4.040" | <b>14MPHR-G400</b>         | <b>14MPHR-R400</b>          |
| 6"      | 6"        | 3.406"     | 6.040" | <b>14MPHR-G600</b>         | <b>14MPHR-R600</b>          |

Sanitary Fittings

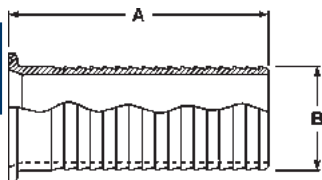


## Brewery Hose Barb - 14MPHRL

## Feature:

- suitable for use with band clamps

| Tube OD | Dimensions |        | 304 Stainless Steel Part # |
|---------|------------|--------|----------------------------|
|         | A          | B      |                            |
| 1"      | 3.500"     | 1.045" | <b>14MPHRL100</b>          |
| 1½"     | 5.000"     | 1.545" | <b>14MPHRL150</b>          |
| 2"      | 5.000"     | 2.045" | <b>14MPHRL200</b>          |
| 2½"     | 5.500"     | 2.545" | <b>14MPHRL250</b>          |
| 3"      | 5.500"     | 3.045" | <b>14MPHRL300</b>          |
| 4"      | 5.500"     | 4.045" | <b>14MPHRL400</b>          |



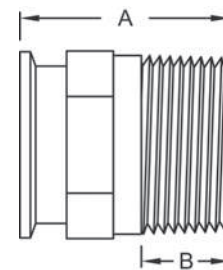
Use of PVC tubing requires special installation techniques to prevent leakage. All assembly work must be done with heated tube. Cold durometer is 90 as opposed to rubber hose at 65 to 70 durometer. Banding buckles must be at 180° from one another.



## Clamp Fittings - Adapters

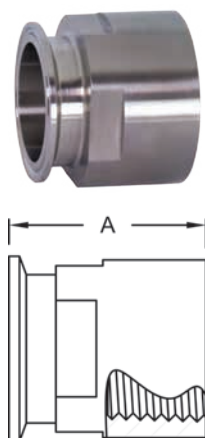
## Male NPT - 21MP

| Tube OD | NPT Size | Dimensions |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|----------|------------|--------|----------------------------|-----------------------------|
|         |          | A          | B      |                            |                             |
| ½"      | ¼"       | 2.000"     | .595"  | ---                        | <b>21MP-R5025</b>           |
|         | ⅜"       | 2.000"     | .600"  | ---                        | <b>21MP-R50375</b>          |
|         | ½"       | 1.625"     | .782"  | ---                        | <b>21MP-R50</b>             |
|         | ¾"       | 2.000"     | .794"  | ---                        | <b>21MP-R5075</b>           |
| ¾"      | ¼"       | 2.000"     | .595"  | ---                        | <b>21MP-R7525</b>           |
|         | ⅜"       | 2.000"     | .600"  | ---                        | <b>21MP-R75375</b>          |
|         | ½"       | 2.000"     | .782"  | ---                        | <b>21MP-R7550</b>           |
|         | ¾"       | 1.787"     | .794"  | ---                        | <b>21MP-R75</b>             |
| 1"      | ½"       | 2.187"     | .782"  | <b>21MP-G10050</b>         | <b>21MP-R10050</b>          |
|         | ¾"       | 2.187"     | .794"  | <b>21MP-G10075</b>         | <b>21MP-R10075</b>          |
|         | 1"       | 2.250"     | .985"  | <b>21MP-G100</b>           | <b>21MP-R100</b>            |
|         | 1¼"      | 2.438"     | 1.009" | <b>21MP-G100125</b>        | <b>21MP-R100125</b>         |
|         | 1½"      | 2.438"     | 1.025" | <b>21MP-G100150</b>        | <b>21MP-R100150</b>         |
|         | 2"       | 2.625"     | 1.058" | <b>21MP-G100200</b>        | <b>21MP-R100200</b>         |
| 1½"     | ⅜"       | 2.161"     | .600"  | <b>21MP-G150375</b>        | <b>21MP-R150375</b>         |
|         | ½"       | 2.187"     | .782"  | <b>21MP-G15050</b>         | <b>21MP-R15050</b>          |
|         | ¾"       | 2.187"     | .794"  | <b>21MP-G15075</b>         | <b>21MP-R15075</b>          |
|         | 1"       | 2.437"     | .985"  | <b>21MP-G150100</b>        | <b>21MP-R150100</b>         |
|         | 1¼"      | 2.438"     | 1.009" | <b>21MP-G150125</b>        | <b>21MP-R150125</b>         |
|         | 1½"      | 2.250"     | 1.025" | <b>21MP-G150</b>           | <b>21MP-R150</b>            |
|         | 2"       | 2.625"     | 1.058" | <b>21MP-G150200</b>        | <b>21MP-R150200</b>         |
| 2"      | ½"       | 2.188"     | .782"  | <b>21MP-G20050</b>         | <b>21MP-R20050</b>          |
|         | ¾"       | 2.188"     | .794"  | <b>21MP-G20075</b>         | <b>21MP-R20075</b>          |
|         | 1"       | 2.469"     | .985"  | <b>21MP-G200100</b>        | <b>21MP-R200100</b>         |
|         | 1½"      | 2.625"     | 1.009" | <b>21MP-G200150</b>        | <b>21MP-R200150</b>         |
|         | 2"       | 2.638"     | 1.058" | <b>21MP-G200</b>           | <b>21MP-R200</b>            |
| 2½"     | ½"       | 2.781"     | .782"  | <b>21MP-G25050</b>         | ---                         |
|         | 1"       | 2.781"     | .782"  | <b>21MP-G250100</b>        | <b>21MP-R250100</b>         |
|         | 1½"      | 2.781"     | 1.025" | <b>21MP-G250150</b>        | <b>21MP-R250150</b>         |
|         | 2"       | 2.781"     | 1.058" | <b>21MP-G250200</b>        | <b>21MP-R250200</b>         |
|         | 2½"      | 2.875"     | 1.571" | <b>21MP-G250</b>           | <b>21MP-R250</b>            |
| 3"      | 1½"      | 3.000"     | 1.009" | <b>21MP-G300150</b>        | <b>21MP-R300150</b>         |
|         | 2"       | 3.000"     | 1.058" | <b>21MP-G300200</b>        | <b>21MP-R300200</b>         |
|         | 3"       | 3.070"     | 1.634" | <b>21MP-G300</b>           | <b>21MP-R300</b>            |
| 4"      | 4"       | 3.155"     | 1.734" | <b>21MP-G400</b>           | <b>21MP-R400</b>            |



## Clamp Fittings - Adapters

## Female NPT - 22MP

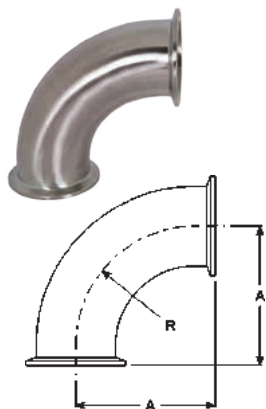
Sanitary  
Fittings

| Tube OD | NPT Size | Dimension A | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|----------|-------------|----------------------------|-----------------------------|
| 1/2"    | 1/4"     | 1.500"      | ---                        | <b>22MP-R5025</b>           |
|         | 3/8"     | 1.500"      | ---                        | <b>22MP-R50375</b>          |
|         | 1/2"     | 1.500"      | ---                        | <b>22MP-R50</b>             |
|         | 3/4"     | 1.625"      | ---                        | <b>22MP-R5075</b>           |
| 3/4"    | 1/4"     | 1.500"      | ---                        | <b>22MP-R7525</b>           |
|         | 1/2"     | 1.500"      | ---                        | <b>22MP-R7550</b>           |
|         | 3/4"     | 1.625"      | ---                        | <b>22MP-R75</b>             |
| 1"      | 1/4"     | 1.625"      | ---                        | <b>22MP-R10025</b>          |
|         | 1/2"     | 1.625"      | <b>22MP-G10050</b>         | <b>22MP-R10050</b>          |
|         | 3/4"     | 1.625"      | <b>22MP-G10075</b>         | <b>22MP-R10075</b>          |
|         | 1"       | 1.625"      | <b>22MP-G100</b>           | <b>22MP-R100</b>            |
|         | 1 1/4"   | 1.625"      | ---                        | <b>22MP-R100125</b>         |
| 1 1/2"  | 1/2"     | 1.625"      | <b>22MP-G15050</b>         | <b>22MP-R15050</b>          |
|         | 3/4"     | 1.625"      | <b>22MP-G15075</b>         | <b>22MP-R15075</b>          |
|         | 1"       | 1.625"      | <b>22MP-G150100</b>        | <b>22MP-R150100</b>         |
|         | 1 1/2"   | 2.250"      | <b>22MP-G150</b>           | <b>22MP-R150</b>            |
|         | 2"       | 2.250"      | <b>22MP-G150200</b>        | <b>22MP-R150200</b>         |
| 2"      | 1"       | 1.687"      | <b>22MP-G200100</b>        | <b>22MP-R200100</b>         |
|         | 1 1/2"   | 1.656"      | <b>22MP-G200150</b>        | <b>22MP-R200150</b>         |
|         | 2"       | 2.344"      | <b>22MP-G200</b>           | <b>22MP-R200</b>            |
|         | 2 1/2"   | 2.406"      | <b>22MP-G200250</b>        | ---                         |
| 2 1/2"  | 2"       | 1.720"      | <b>22MP-G250200</b>        | <b>22MP-R250200</b>         |
|         | 2 1/2"   | 2.097"      | <b>22MP-G250</b>           | <b>22MP-R250</b>            |
| 3"      | 2"       | 2.187"      | <b>22MP-G300200</b>        | <b>22MP-R300200</b>         |
|         | 2 1/2"   | 2.187"      | <b>22MP-G300250</b>        | ---                         |
|         | 3"       | 2.187"      | <b>22MP-G300</b>           | <b>22MP-R300</b>            |
| 4"      | 4"       | 3.000"      | <b>22MP-G400</b>           | <b>22MP-R400</b>            |

Visit [dixonvalve.com](http://dixonvalve.com) for pipe thread data

## Clamp Fittings - Elbows

## 90° - B2CMP



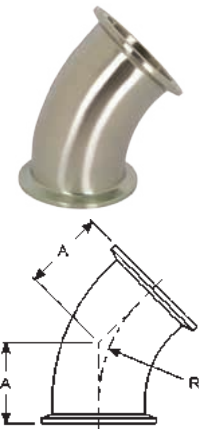
| Tube OD | Dimensions |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|------------|--------|----------------------------|-----------------------------|
|         | A          | R      |                            |                             |
| 1/2"    | 1.625"     | 1.125" | ---                        | <b>B2CMP-R50</b>            |
| 3/4"    | 1.625"     | 1.125" | ---                        | <b>B2CMP-R75</b>            |
| 1"      | 2.000"     | 1.500" | <b>B2CMP-G100</b>          | <b>B2CMP-R100</b>           |
| 1 1/2"  | 2.750"     | 2.250" | <b>B2CMP-G150</b>          | <b>B2CMP-R150</b>           |
| 2"      | 3.500"     | 3.000" | <b>B2CMP-G200</b>          | <b>B2CMP-R200</b>           |
| 2 1/2"  | 4.250"     | 3.750" | <b>B2CMP-G250</b>          | <b>B2CMP-R250</b>           |
| 3"      | 5.000"     | 4.500" | <b>B2CMP-G300</b>          | <b>B2CMP-R300</b>           |
| 4"      | 6.625"     | 6.000" | <b>B2CMP-G400</b>          | <b>B2CMP-R400</b>           |
| 6"      | 9.875"     | 9.000" | <b>B2CMP-G600</b>          | <b>B2CMP-R600</b>           |

## Clamp Fittings - Elbows

45° - B2KMP



| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # | 316L Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|--------------------------------|
|            | A          | R      |                               |                                |
| 1/2"       | .97"       | 1.125" | ---                           | <b>B2KMP-R50</b>               |
| 3/4"       | .97"       | 1.125" | ---                           | <b>B2KMP-R75</b>               |
| 1"         | 1.12"      | 1.500" | <b>B2KMP-G100</b>             | <b>B2KMP-R100</b>              |
| 1 1/2"     | 1.43"      | 2.250" | <b>B2KMP-G150</b>             | <b>B2KMP-R150</b>              |
| 2"         | 1.74"      | 3.000" | <b>B2KMP-G200</b>             | <b>B2KMP-R200</b>              |
| 2 1/2"     | 2.05"      | 3.750" | <b>B2KMP-G250</b>             | <b>B2KMP-R250</b>              |
| 3"         | 2.36"      | 4.500" | <b>B2KMP-G300</b>             | <b>B2KMP-R300</b>              |
| 4"         | 3.11"      | 6.000" | <b>B2KMP-G400</b>             | <b>B2KMP-R400</b>              |
| 6"         | 4.60"      | 9.000" | <b>B2KMP-G600</b>             | <b>B2KMP-R600</b>              |

Sanitary  
Fittings

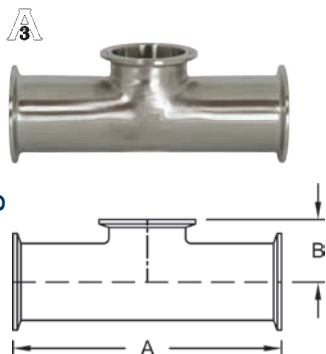
## 90° x Plain Bevel Seat with Hex Nut - B2FMP-14



| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|
|            | A          | B      |                               |
| 2"         | 3.750"     | 3.500" | <b>B2FMP-14-G200</b>          |
| 2 1/2"     | 4.625"     | 4.250" | <b>B2FMP-14-G250</b>          |
| 3"         | 5.406"     | 5.000" | <b>B2FMP-14-G300</b>          |

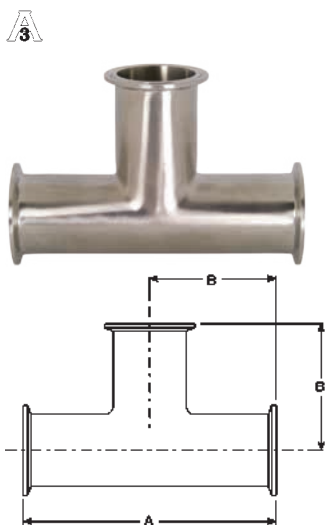


## Clamp Fittings - Tees

Sanitary  
Fittings

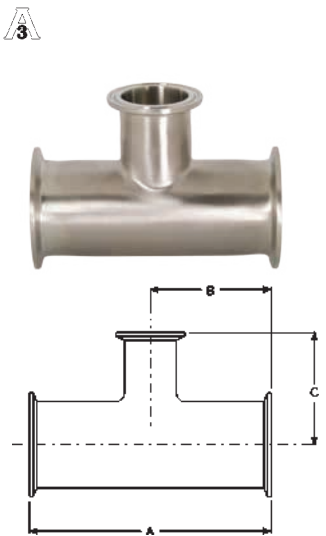
Short Outlet - B7MPS

| Tube OD | A      | B      | 304 Stainless Steel Part Number | 316L Stainless Steel Part Number |
|---------|--------|--------|---------------------------------|----------------------------------|
| 1½"     | 5.500" | 1.375" | <b>B7MPS-G150</b>               | <b>B7MPS-R150</b>                |
| 2"      | 7.000" | 1.625" | <b>B7MPS-G200</b>               | <b>B7MPS-R200</b>                |
| 2½"     | 7.000" | 1.875" | <b>B7MPS-G250</b>               | <b>B7MPS-R250</b>                |



Clamp Tees - B7MP

| Tube OD | Dimensions |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|------------|--------|----------------------------|-----------------------------|
|         | A          | B      |                            |                             |
| ½"      | 4.750"     | 2.375" | ---                        | <b>B7MP-R50</b>             |
| ¾"      | 5.000"     | 2.500" | ---                        | <b>B7MP-R75</b>             |
| 1"      | 4.750"     | 2.375" | <b>B7MP-G100</b>           | <b>B7MP-R100</b>            |
| 1½"     | 5.500"     | 2.750" | <b>B7MP-G150</b>           | <b>B7MP-R150</b>            |
| 2"      | 7.000"     | 3.500" | <b>B7MP-G200</b>           | <b>B7MP-R200</b>            |
| 2½"     | 7.000"     | 3.500" | <b>B7MP-G250</b>           | <b>B7MP-R250</b>            |
| 3"      | 7.500"     | 3.750" | <b>B7MP-G300</b>           | <b>B7MP-R300</b>            |
| 4"      | 9.000"     | 4.500" | <b>B7MP-G400</b>           | <b>B7MP-R400</b>            |
| 6"      | 13.000"    | 6.500" | <b>B7MP-G600</b>           | <b>B7MP-R600</b>            |
| 8"      | 15.750"    | 7.875" | <b>B7MP-G800</b>           | <b>B7MP-R800</b>            |



Reducing - B7RMP

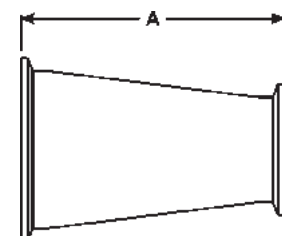
| Tube OD   | Dimensions |        |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|-----------|------------|--------|--------|----------------------------|-----------------------------|
|           | A          | B      | C      |                            |                             |
| 1" x ¾"   | 5.250"     | 2.625" | 2.625" | ---                        | <b>B7RMP-R10075</b>         |
| 1½" x ½"  | 5.750"     | 2.875" | 2.875" | ---                        | <b>B7RMP-R15050</b>         |
| 1½" x 1"  | 4.312"     | 2.156" | 1.875" | ---                        | <b>B7RMP-R150100</b>        |
| 2" x ½"   | 6.750"     | 3.375" | 3.125" | ---                        | <b>B7RMP-R20050</b>         |
| 2" x ¾"   | 6.750"     | 3.375" | 3.125" | ---                        | <b>B7RMP-R20075</b>         |
| 2" x 1"   | 5.125"     | 2.562" | 2.125" | <b>B7RMP-G200100</b>       | <b>B7RMP-R200100</b>        |
| 2" x 1½"  | 5.125"     | 2.562" | 2.406" | <b>B7RMP-G200150</b>       | <b>B7RMP-R200150</b>        |
| 2½" x 1½" | 5.688"     | 2.844" | 2.656" | <b>B7RMP-G250150</b>       | <b>B7RMP-R250150</b>        |
| 2½" x 2"  | 5.688"     | 2.844" | 2.812" | <b>B7RMP-G250200</b>       | <b>B7RMP-R250200</b>        |
| 3" x 1½"  | 6.188"     | 3.093" | 2.906" | <b>B7RMP-G300150</b>       | <b>B7RMP-R300150</b>        |
| 3" x 2"   | 6.188"     | 3.093" | 3.063" | <b>B7RMP-G300200</b>       | <b>B7RMP-R300200</b>        |
| 4" x 1½"  | 8.125"     | 4.063" | 3.406" | <b>B7RMP-G400150</b>       | ---                         |
| 4" x 2"   | 8.125"     | 4.063" | 3.563" | <b>B7RMP-G400200</b>       | ---                         |

## Clamp Fittings - Reducers

A  
3

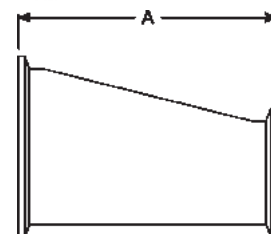
## Concentric - B3114MP

| Tube OD         | Dimension A | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|-----------------|-------------|----------------------------|-----------------------------|
| 1" x 1/2"       | 3.000"      | ---                        | <b>B3114MP-R10050</b>       |
| 1" x 3/4"       | 2.000"      | ---                        | <b>B3114MP-R10075</b>       |
| 1 1/2" x 1/2"   | 5.000"      | ---                        | <b>B3114MP-R15050</b>       |
| 1 1/2" x 3/4"   | 4.000"      | ---                        | <b>B3114MP-R15075</b>       |
| 1 1/2" x 1"     | 3.000"      | <b>B3114MP-G150100</b>     | <b>B3114MP-R150100</b>      |
| 2" x 3/4"       | 6.000"      | ---                        | <b>B3114MP-R20075</b>       |
| 2" x 1"         | 5.000"      | <b>B3114MP-G200100</b>     | <b>B3114MP-R200100</b>      |
| 2" x 1 1/2"     | 3.000"      | <b>B3114MP-G200150</b>     | <b>B3114MP-R200150</b>      |
| 2 1/2" x 1 1/2" | 5.000"      | <b>B3114MP-G250150</b>     | <b>B3114MP-R250150</b>      |
| 2 1/2" x 2"     | 3.000"      | <b>B3114MP-G250200</b>     | <b>B3114MP-R250200</b>      |
| 3" x 1 1/2"     | 7.000"      | <b>B3114MP-G300150</b>     | <b>B3114MP-R300150</b>      |
| 3" x 2"         | 5.000"      | <b>B3114MP-G300200</b>     | <b>B3114MP-R300200</b>      |
| 3" x 2 1/2"     | 3.000"      | <b>B3114MP-G300250</b>     | <b>B3114MP-R300250</b>      |
| 4" x 1 1/2"     | 11.125"     | <b>B3114MP-G400150</b>     | <b>B3114MP-R400150</b>      |
| 4" x 2"         | 9.125"      | <b>B3114MP-G400200</b>     | <b>B3114MP-R400200</b>      |
| 4" x 2 1/2"     | 7.125"      | <b>B3114MP-G400250</b>     | <b>B3114MP-R400250</b>      |
| 4" x 3"         | 5.125"      | <b>B3114MP-G400300</b>     | <b>B3114MP-R400300</b>      |
| 6" x 4"         | 7.000"      | <b>B3114MP-G600400</b>     | ---                         |

Sanitary  
Fittings

## Eccentric - B3214MP

| Tube OD         | Dimension A | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|-----------------|-------------|----------------------------|-----------------------------|
| 1 1/2" x 1"     | 3.000"      | <b>B3214MP-G150100</b>     | <b>B3214MP-R150100</b>      |
| 2" x 1"         | 5.000"      | <b>B3214MP-G200100</b>     | <b>B3214MP-R200100</b>      |
| 2" x 1 1/2"     | 3.000"      | <b>B3214MP-G200150</b>     | <b>B3214MP-R200150</b>      |
| 2 1/2" x 1 1/2" | 5.000"      | <b>B3214MP-G250150</b>     | <b>B3214MP-R250150</b>      |
| 2 1/2" x 2"     | 3.000"      | <b>B3214MP-G250200</b>     | <b>B3214MP-R250200</b>      |
| 3" x 1 1/2"     | 7.000"      | <b>B3214MP-G300150</b>     | <b>B3214MP-R300150</b>      |
| 3" x 2"         | 5.000"      | <b>B3214MP-G300200</b>     | <b>B3214MP-R300200</b>      |
| 3" x 2 1/2"     | 3.000"      | <b>B3214MP-G300250</b>     | <b>B3214MP-R300250</b>      |
| 4" x 2"         | 9.125"      | <b>B3214MP-G400200</b>     | <b>B3214MP-R400200</b>      |
| 4" x 2 1/2"     | 7.125"      | <b>B3214MP-G400250</b>     | <b>B3214MP-R400250</b>      |
| 4" x 3"         | 5.125"      | <b>B3214MP-G400300</b>     | <b>B3214MP-R400300</b>      |
| 6" x 3"         | 6.875"      | <b>B3214MP-G600300</b>     | ---                         |
| 6" x 4"         | 7.000"      | <b>B3214MP-G600400</b>     | ---                         |

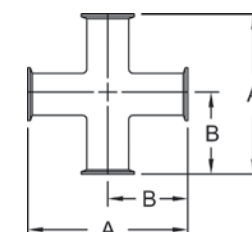


## Clamp Crosses

A  
3

## Clamp Crosses - B9MP

| Tube OD | Dimensions |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|------------|--------|----------------------------|-----------------------------|
|         | A          | B      |                            |                             |
| 1"      | 4.750"     | 2.375" | <b>B9MP-G100</b>           | <b>B9MP-R100</b>            |
| 1 1/2"  | 5.500"     | 2.750" | <b>B9MP-G150</b>           | <b>B9MP-R150</b>            |
| 2"      | 7.000"     | 3.500" | <b>B9MP-G200</b>           | <b>B9MP-R200</b>            |
| 3"      | 7.500"     | 3.750" | <b>B9MP-G300</b>           | <b>B9MP-R300</b>            |
| 4"      | 9.000"     | 4.500" | <b>B9MP-G400</b>           | <b>B9MP-R400</b>            |

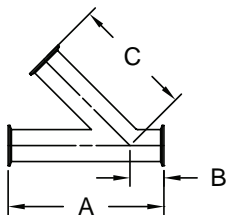




## Miscellaneous Clamp Configurations

Sanitary Fittings

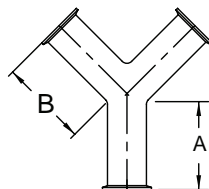
3



Laterals - B28AMP

| Tube OD | Dimensions |        |         | 316L Stainless Steel Part # |
|---------|------------|--------|---------|-----------------------------|
|         | A          | B      | C       |                             |
| 1"      | 7.000"     | 1.500" | 5.500"  | <b>B28AMP-R100</b>          |
| 1½"     | 8.375"     | 1.688" | 6.688"  | <b>B28AMP-R150</b>          |
| 2"      | 9.750"     | 2.125" | 7.625"  | <b>B28AMP-R200</b>          |
| 3"      | 11.750"    | 2.375" | 9.375"  | <b>B28AMP-R300</b>          |
| 4"      | 14.062"    | 2.640" | 11.312" | <b>B28AMP-R400</b>          |

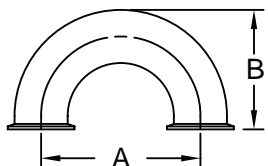
3



True Wyes - B28BMP

| Tube OD | Dimensions |        | 316L Stainless Steel Part # |
|---------|------------|--------|-----------------------------|
|         | A          | B      |                             |
| 1"      | 2.500"     | 2.938" | <b>B28BMP-R100</b>          |
| 1½"     | 2.500"     | 2.938" | <b>B28BMP-R150</b>          |
| 2"      | 3.125"     | 3.750" | <b>B28BMP-R200</b>          |
| 3"      | 4.500"     | 5.375" | <b>B28BMP-R300</b>          |
| 4"      | 6.000"     | 6.000" | <b>B28BMP-R400</b>          |

3



180° Return Bends - B2WUMP

**Feature:**

- bends are the standard 1.5 x tube diameter

| Tube OD | Dimensions |        | 316L Stainless Steel Part # |
|---------|------------|--------|-----------------------------|
|         | A          | B      |                             |
| 1"      | 3.000"     | 2.500" | <b>B2WUMP-R100</b>          |
| 1½"     | 4.500"     | 3.500" | <b>B2WUMP-R150</b>          |
| 2"      | 6.000"     | 4.500" | <b>B2WUMP-R200</b>          |
| 3"      | 9.000"     | 6.500" | <b>B2WUMP-R300</b>          |
| 4"      | 12.000"    | 8.625" | <b>B2WUMP-R400</b>          |

## Clamp End Protection Covers - BCC

**Feature:**

- Use these covers to protect all clamp ends on fittings, valves, filters and pumps.



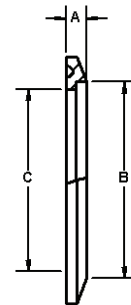
| Size | Vinyl Plastic Part # |
|------|----------------------|
| ½"   | <b>BCC-050</b>       |
| ¾"   | <b>BCC-075</b>       |
| 1"   | <b>BCC-100</b>       |
| 1½"  | <b>BCC-150</b>       |
| 2"   | <b>BCC-200</b>       |
| 2½"  | <b>BCC-250</b>       |
| 3"   | <b>BCC-300</b>       |
| 4"   | <b>BCC-400</b>       |
| 6"   | <b>BCC-600</b>       |
| 8"   | <b>BCC-800</b>       |

## Quick Weld Ferrules

**Features:**

- 304 stainless construction
- just slip onto sanitary OD tube and weld
- no need to butt weld

| Tube<br>OD | Dimensions |        |        | 304 Stainless Steel<br>Part # |
|------------|------------|--------|--------|-------------------------------|
|            | A          | B      | C      |                               |
| 1"         | .290"      | 1.005" | .870"  | <b>14QMP-G100</b>             |
| 1½"        | .199"      | 1.505" | 1.370" | <b>14QMP-G150</b>             |
| 2"         | .205"      | 2.005" | 1.870" | <b>14QMP-G200</b>             |
| 2½"        | .210"      | 2.505" | 2.370" | <b>14QMP-G250</b>             |
| 3"         | .216"      | 3.005" | 2.870" | <b>14QMP-G300</b>             |
| 4"         | .235"      | 4.005" | 3.834" | <b>14QMP-G400</b>             |
| 6"         | .321"      | 6.005" | 5.782" | <b>14QMP-G600</b>             |

Sanitary  
Fittings

## Breakaway Coupling - Clamp

**Application:**

- minimizes spillage and damage associated with pull away and drive away incidents

**Materials:**

- 316 stainless steel polished to standard <32R<sub>a</sub>, 3A finish
- clamp gasket: EPDM standard, optional material available

**Features:**

- designed to be installed between a fixed point and a hose
- 13kN break load bolts standard, other break loads available
- coupling breaks away with an excessive load
- other sizes/connection available

**Specification:**

- working pressure: **350 PSI @ 70°F (21°C)**




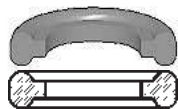
| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 2"   | <b>SBC-E200CC13</b>           |
| 3"   | <b>SBC-E300CC13</b>           |

**NEW**

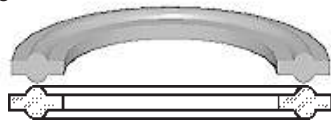
## Clamp Gaskets

## Feature:

- Gasket material approved by  (3A), USDA and complies with FDA's 21CFR177.2600 and 1550. PSI Service Ratings for the sanitary clamps DO NOT APPLY to connections (1" and above) using any PTFE gaskets, due to the potential for cold flow under normal operating conditions. PTFE gaskets, when used with any clamp, are likely to leak at pressures far below the published service ratings. This restriction does not apply to the fractionally sized 1/2" and 3/4" connections, due to their recessed, fully contained design.



Mini



Standard - type 1



Flanged - type 2

**Buna-N - Black**

## Features:

- color code: red dot
- meets 21CFR 177.2600

Type 1 - Standard  
1/2" - 3/4"Type 1 - Standard  
1" and larger

| Size   | Buna-N<br>Part # |
|--------|------------------|
| 1/2"   | <b>42MP-U50</b>  |
| 3/4"   | <b>42MP-U75</b>  |
| 1"     | <b>40MP-U100</b> |
| 1 1/2" | <b>40MP-U150</b> |
| 2"     | <b>40MP-U200</b> |
| 2 1/2" | <b>40MP-U250</b> |
| 3"     | <b>40MP-U300</b> |
| 4"     | <b>40MP-U400</b> |
| 5"     | <b>40MP-U500</b> |
| 6"     | <b>40MP-U600</b> |
| 8"     | <b>40MP-U800</b> |

**Buna-N - White**

## Features:

- color code: red dot
- meets 21CFR 177.2600

Type 1 - Standard  
1/2" - 3/4"Type 1 - Standard  
1" and larger

| Size   | Buna-N<br>Part #  |
|--------|-------------------|
| 1/2"   | <b>42MP-UW50</b>  |
| 3/4"   | <b>42MP-UW75</b>  |
| 1"     | <b>40MP-UW100</b> |
| 1 1/2" | <b>40MP-UW150</b> |
| 2"     | <b>40MP-UW200</b> |
| 2 1/2" | <b>40MP-UW250</b> |
| 3"     | <b>40MP-UW300</b> |
| 4"     | <b>40MP-UW400</b> |
| 6"     | <b>40MP-UW600</b> |

**EPDM - Black**

## Features:

- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing

Type 1 - Standard  
1/2" - 3/4"Type 1 - Standard  
1" and larger

| Size   | EPDM<br>Part #   |
|--------|------------------|
| 1/2"   | <b>42MP-E50</b>  |
| 3/4"   | <b>42MP-E75</b>  |
| 1"     | <b>40MP-E100</b> |
| 1 1/2" | <b>40MP-E150</b> |
| 2"     | <b>40MP-E200</b> |
| 2 1/2" | <b>40MP-E250</b> |
| 3"     | <b>40MP-E300</b> |
| 4"     | <b>40MP-E400</b> |
| 6"     | <b>40MP-E600</b> |

Visit [dixonvalve.com](http://dixonvalve.com) for sizing charts

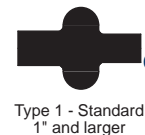
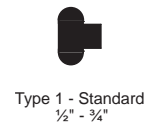
## Clamp Gaskets

FKM - Black

## Features:

- color code: one white dot, one yellow dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing

| Size   | FKM<br>Part # |
|--------|---------------|
| 1/2"   | 42MP-SFY50    |
| 3/4"   | 42MP-SFY75    |
| 1"     | 40MP-SFY100   |
| 1 1/2" | 40MP-SFY150   |
| 2"     | 40MP-SFY200   |
| 2 1/2" | 40MP-SFY250   |
| 3"     | 40MP-SFY300   |
| 4"     | 40MP-SFY400   |
| 6"     | 40MP-SFY600   |

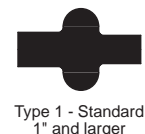
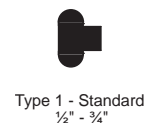
Sanitary  
Fittings

## Silicone - White

## Features:

- color code: pink dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing

| Size   | Silicone<br>Part # |
|--------|--------------------|
| 1/2"   | 42MP-XW50          |
| 3/4"   | 42MP-XW75          |
| 1"     | 40MP-XW100         |
| 1 1/2" | 40MP-XW150         |
| 2"     | 40MP-XW200         |
| 2 1/2" | 40MP-XW250         |
| 3"     | 40MP-XW300         |
| 4"     | 40MP-XW400         |
| 6"     | 40MP-XW600         |

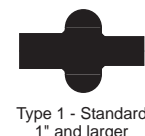
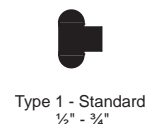


## Silicone - Clear

## Features:

- color code: no dot
- peroxide cured
- meets 21CFR 177.2600

| Size   | Silicone<br>Part # |
|--------|--------------------|
| 1/2"   | 42MP-XC50          |
| 3/4"   | 42MP-XC75          |
| 1"     | 40MP-XC100         |
| 1 1/2" | 40MP-XC150         |
| 2"     | 40MP-XC200         |
| 2 1/2" | 40MP-XC250         |
| 3"     | 40MP-XC300         |
| 4"     | 40MP-XC400         |




## Clamp Gaskets

## PTFE - White

## Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

| Size   | PTFE<br>Part # |
|--------|----------------|
| 1/2"   | 42MP-G50       |
| 3/4"   | 42MP-G75       |
| 1"     | 40MP-G100      |
| 1 1/2" | 40MP-G150      |
| 2"     | 40MP-G200      |
| 2 1/2" | 40MP-G250      |
| 3"     | 40MP-G300      |
| 4"     | 40MP-G400      |
| 5"     | 40MP-G500      |
| 6"     | 40MP-G600      |
| 8"     | 40MP-G800      |
| 10"    | 40MP-G1000     |
| 12"    | 40MP-G1200     |

PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained. 



Type 1 - Standard  
1/2" - 3/4"



Type 1 - Standard  
1" and larger

## Buna-N Flanged - Black

## Features:

- color code: red dot
- meets 21CFR 177.2600
- not recommended for use with bolted clamps

| Size   | Buna-N<br>Part # |
|--------|------------------|
| 1"     | 40MPF-U100       |
| 1 1/2" | 40MPF-U150       |
| 2"     | 40MPF-U200       |
| 2 1/2" | 40MPF-U250       |
| 3"     | 40MPF-U300       |
| 4"     | 40MPF-U400       |
| 6"     | 40MPF-U600       |
| 8"     | 40MPF-U800       |
| 10"    | 40MPF-U1000      |
| 12"    | 40MPF-U1200      |



Type 2 - Flanged  
1" and larger

## Buna-N Flanged - White

## Features:

- color code: red dot
- meets 21CFR 177.2600
- not recommended for use with bolted clamps

| Size   | Buna-N<br>Part # |
|--------|------------------|
| 1"     | 40MPF-UW100      |
| 1 1/2" | 40MPF-UW150      |
| 2"     | 40MPF-UW200      |
| 2 1/2" | 40MPF-UW250      |
| 3"     | 40MPF-UW300      |
| 4"     | 40MPF-UW400      |
| 6"     | 40MPF-UW600      |



Type 2 - Flanged  
1" and larger

Visit [dixonvalve.com](http://dixonvalve.com) for sizing charts

## Clamp Gaskets

## EPDM Flanged - Black

## Features:

- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

| Size | EPDM<br>Part # |
|------|----------------|
| 1"   | 40MPF-E100     |
| 1½"  | 40MPF-E150     |
| 2"   | 40MPF-E200     |
| 2½"  | 40MPF-E250     |
| 3"   | 40MPF-E300     |
| 4"   | 40MPF-E400     |
| 6"   | 40MPF-E600     |
| 8"   | 40MPF-E800     |
| 10"  | 40MPF-E1000    |
| 12"  | 40MPF-E1200    |

Type 2 - Flanged  
1" and larger

## FKM Flanged - Black

## Features:

- color code: one white dot, one yellow dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

| Size | FKM<br>Part # |
|------|---------------|
| 1"   | 40MPF-SFY100  |
| 1½"  | 40MPF-SFY150  |
| 2"   | 40MPF-SFY200  |
| 2½"  | 40MPF-SFY250  |
| 3"   | 40MPF-SFY300  |
| 4"   | 40MPF-SFY400  |
| 6"   | 40MPF-SFY600  |
| 8"   | 40MPF-SFY800  |
| 10"  | 40MPF-SFY1000 |
| 12"  | 40MPF-SFY1200 |

Type 2 - Flanged  
1" and larger

## Silicone Flanged - White

## Features:

- color code: pink dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

| Size | Silicone<br>Part # |
|------|--------------------|
| 1"   | 40MPF-XW100        |
| 1½"  | 40MPF-XW150        |
| 2"   | 40MPF-XW200        |
| 2½"  | 40MPF-XW250        |
| 3"   | 40MPF-XW300        |
| 4"   | 40MPF-XW400        |
| 6"   | 40MPF-XW600        |
| 8"   | 40MPF-XW800        |
| 10"  | 40MPF-XW1000       |
| 12"  | 40MPF-XW1200       |

Type 2 - Flanged  
1" and largerVisit [dixonvalve.com](http://dixonvalve.com) for sizing charts



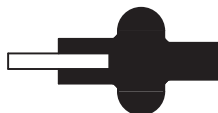
## Clamp Gaskets

## Buna-N Mesh Screen, 316

## Features:

- color code: red dot
- meets 21CFR 177.2600
- 10 mesh standard, other mesh available-call for details

| Size | Buna-N<br>Part #  |
|------|-------------------|
| 1"   | <b>40MPS-U100</b> |
| 1½"  | <b>40MPS-U150</b> |
| 2"   | <b>40MPS-U200</b> |
| 2½"  | <b>40MPS-U250</b> |
| 3"   | <b>40MPS-U300</b> |
| 4"   | <b>40MPS-U400</b> |



Type 3 - Mesh

## PTFE Envelope with EPDM Filler

## Features:

- color code: usually not marked
- peroxide cured EPDM
- meets 21CFR 177.1550
- PTFE passed USP Class VI Cytotoxicity testing

| Size | PTFE with EPDM Filler<br>Part # |
|------|---------------------------------|
| ½"   | <b>42MP-GRE50</b>               |
| 1"   | <b>40MP-GRE100</b>              |
| 1½"  | <b>40MP-GRE150</b>              |
| 2"   | <b>40MP-GRE200</b>              |
| 2½"  | <b>40MP-GRE250</b>              |
| 3"   | <b>40MP-GRE300</b>              |
| 4"   | <b>40MP-GRE400</b>              |
| 6"   | <b>40MP-GRE600</b>              |



## PTFE Envelope with FKM Filler

## Features:

- color code: usually not marked
- peroxide cured FKM
- meets 21CFR 177.1550
- PTFE passed USP Class VI Cytotoxicity testing

| Size | PTFE with FKM Filler<br>Part # |
|------|--------------------------------|
| 1"   | <b>40MP-GR100</b>              |
| 1½"  | <b>40MP-GR150</b>              |
| 2"   | <b>40MP-GR200</b>              |
| 2½"  | <b>40MP-GR250</b>              |
| 3"   | <b>40MP-GR300</b>              |
| 4"   | <b>40MP-GR400</b>              |
| 6"   | <b>40MP-GR600</b>              |



PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



## Metal Detectable Clamp Gaskets

**Materials:**

- Metal detectable gaskets are impregnated with stainless steel particles. The addition of stainless steel allows a gasket or gasket pieces to be found with metal detection equipment.

**Buna-N****Features:**

- good general use where temperature extremes do not exist
- minimum temperature: **-20°F (-29°C)**
- maximum temperature: **212°F (100°C)**

| Size | Buna-N<br>Part #  |
|------|-------------------|
| 1"   | <b>40MP-UZ100</b> |
| 1½"  | <b>40MP-UZ150</b> |
| 2"   | <b>40MP-UZ200</b> |
| 2½"  | <b>40MP-UZ250</b> |
| 3"   | <b>40MP-UZ300</b> |
| 4"   | <b>40MP-UZ400</b> |

Type 1 - Standard  
1" and larger**EPDM****Features:**

- resistant to steam, water and base solutions
- minimum temperature: **-70°F (-57°C)**
- maximum temperature: **310°F (154°C)**

| Size | EPDM<br>Part #    |
|------|-------------------|
| 1"   | <b>40MP-EZ100</b> |
| 1½"  | <b>40MP-EZ150</b> |
| 2"   | <b>40MP-EZ200</b> |
| 2½"  | <b>40MP-EZ250</b> |
| 3"   | <b>40MP-EZ300</b> |
| 4"   | <b>40MP-EZ400</b> |

Type 1 - Standard  
1" and larger**FKM****Features:**

- resistant to steam, heat and high acid solutions
- minimum temperature: **-20°F (-29°C)**
- maximum temperature: **410°F (410°C)**

| Size | FKM<br>Part #       |
|------|---------------------|
| 1"   | <b>40MP-SFYZ100</b> |
| 1½"  | <b>40MP-SFYZ150</b> |
| 2"   | <b>40MP-SFYZ200</b> |
| 2½"  | <b>40MP-SFYZ250</b> |
| 3"   | <b>40MP-SFYZ300</b> |
| 4"   | <b>40MP-SFYZ400</b> |

Type 1 - Standard  
1" and larger

Cam and Groove Transition Fittings <sup>1</sup>

## Adapter x Clamp End

Sanitary  
Fittings

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>RE150SE</b>                |
| 2"   | <b>RE200SE</b>                |
| 3"   | <b>RE300SE</b>                |

## Coupler x Clamp End



| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1½"  | <b>RC150SE</b>                |
| 2"   | <b>RC200SE</b>                |
| 3"   | <b>RC300SE</b>                |

Dixon® Weld to Tube Cam and Groove <sup>1</sup>

## Features:

- designed to be welded to standard sanitary tubing
- 316 stainless steel investment casting

## Adapter x Weld to Tube End



| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>RE100BT</b>                |
| 1½"  | <b>RE150BT</b>                |
| 2"   | <b>RE200BT</b>                |
| 3"   | <b>RE300BT</b>                |

## Boss-Lock™ Coupler x Weld to Tube End



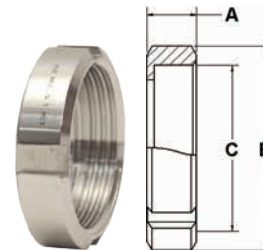
| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1"   | <b>RC100BT</b>                |
| 1½"  | <b>RC150BT</b>                |
| 2"   | <b>RC200BT</b>                |
| 3"   | <b>RC300BT</b>                |

<sup>1</sup> for all other cam and groove options see pages 121-162

## European Fittings - DIN

## DIN 11851 Round Nuts - 13R

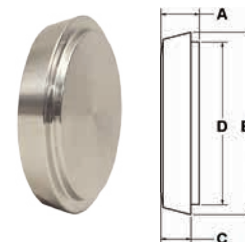
| Nominal Size | A (mm) | B (mm) | C (mm)    | 304 Stainless Steel Part Number |
|--------------|--------|--------|-----------|---------------------------------|
| 1"           | 21.0   | 63.0   | 52 x 1/6  | <b>13R-G100DIN</b>              |
| 1½"          | 21.0   | 78.0   | 65 x 1/6  | <b>13R-G150DIN</b>              |
| 2"           | 22.0   | 92.0   | 78 x 1/6  | <b>13R-G200DIN</b>              |
| 2½"          | 25.0   | 112.0  | 95 x 1/6  | <b>13R-G250DIN</b>              |
| 3"           | 30.0   | 127.0  | 110 x 1/4 | <b>13R-G300DIN</b>              |
| 4"           | 31.0   | 148.0  | 130 x 1/4 | <b>13R-G400DIN</b>              |



Sanitary Fittings

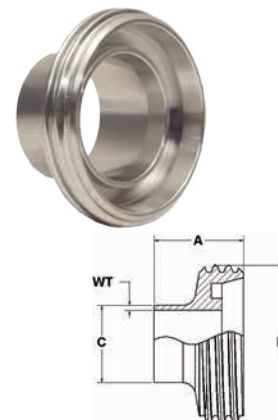
## DIN Blank Caps - 16AMP

| Nominal Size | A (mm) | B (mm) | C (mm) | D (mm) | 316 Stainless Steel Part Number |
|--------------|--------|--------|--------|--------|---------------------------------|
| 1"           | 13.0   | 44.0   | 9.9    | 35.0   | <b>16AMP-R100DIN</b>            |
| 1½"          | 13.0   | 56.0   | 9.9    | 48.0   | <b>16AMP-R150DIN</b>            |
| 2"           | 14.0   | 68.0   | 10.9   | 61.0   | <b>16AMP-R200DIN</b>            |
| 2½"          | 16.0   | 86.0   | 11.9   | 79.0   | <b>16AMP-R250DIN</b>            |
| 3"           | 16.0   | 100.0  | 11.9   | 93.0   | <b>16AMP-R300DIN</b>            |
| 4"           | 20.1   | 120.0  | 15.0   | 114.0  | <b>16AMP-R400DIN</b>            |



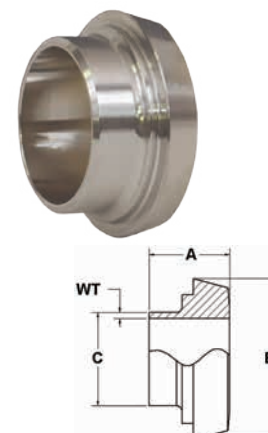
## DIN Welding Males - 15A

| Nominal Size | WT (mm) | A (mm) | B (mm)    | C (mm) | 316 Stainless Steel Part Number |
|--------------|---------|--------|-----------|--------|---------------------------------|
| 1"           | 1.6     | 29.0   | 52 x 1/6  | 25.4   | <b>15A-R100DIN</b>              |
| 1½"          | 1.6     | 33.0   | 65 x 1/6  | 38.1   | <b>15A-R150DIN</b>              |
| 2"           | 1.7     | 35.0   | 78 x 1/6  | 51.0   | <b>15A-R200DIN</b>              |
| 2½"          | 1.6     | 40.0   | 95 x 1/6  | 63.5   | <b>15A-R250DIN</b>              |
| 3"           | 1.6     | 45.0   | 110 x 1/4 | 76.2   | <b>15A-R300DIN</b>              |
| 4"           | 2.0     | 54.0   | 130 x 1/4 | 101.6  | <b>15A-R400DIN</b>              |



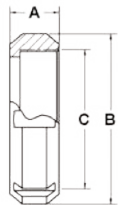
## DIN Welding Liners - 14A

| Nominal Size | WT (mm) | A (mm) | B (mm) | C (mm) | 316 Stainless Steel Part Number |
|--------------|---------|--------|--------|--------|---------------------------------|
| 1"           | 1.6     | 22.0   | 44.0   | 25.4   | <b>14A-R100DIN</b>              |
| 1½"          | 1.6     | 26.0   | 56.0   | 38.1   | <b>14A-R150DIN</b>              |
| 2"           | 1.7     | 28.0   | 68.0   | 51.0   | <b>14A-R200DIN</b>              |
| 2½"          | 1.6     | 32.0   | 86.0   | 63.5   | <b>14A-R250DIN</b>              |
| 3"           | 1.6     | 37.0   | 100.0  | 76.2   | <b>14A-R300DIN</b>              |
| 4"           | 2.0     | 44.0   | 121.0  | 101.6  | <b>14A-R400DIN</b>              |



Manufactured in accordance to Imperial DIN 11851

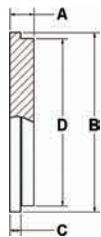
## European Fittings - SMS



## Round Nuts - 13R

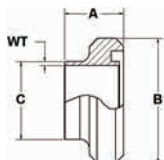
| Nominal Size | A (mm) | B (mm) | C (mm)    | 304 Stainless Steel Part Number |
|--------------|--------|--------|-----------|---------------------------------|
| 1"           | 19.0   | 51.0   | 40 x 1/6  | <b>13R-G100SMS</b>              |
| 1½"          | 23.0   | 74.0   | 60 x 1/6  | <b>13R-G150SMS</b>              |
| 2"           | 24.0   | 84.0   | 70 x 1/6  | <b>13R-G200SMS</b>              |
| 2½"          | 28.0   | 100.0  | 85 x 1/6  | <b>13R-G250SMS</b>              |
| 3"           | 30.0   | 114.0  | 98 x 1/6  | <b>13R-G300SMS</b>              |
| 4"           | 31.0   | 138.0  | 125 x 1/4 | <b>13R-G400SMS</b>              |

## Blank Caps - 16AMP



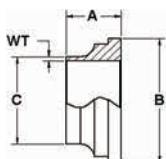
| Nominal Size | A (mm) | B (mm) | C (mm) | D (mm) | 316 Stainless Steel Part Number |
|--------------|--------|--------|--------|--------|---------------------------------|
| 1"           | 7.5    | 35.5   | 3.6    | 32.0   | <b>16AMP-R100SMS</b>            |
| 1½"          | 8.0    | 55.0   | 4.1    | 47.9   | <b>16AMP-R150SMS</b>            |
| 2"           | 9.0    | 65.0   | 4.1    | 60.4   | <b>16AMP-R200SMS</b>            |
| 2½"          | 9.0    | 80.0   | 4.1    | 73.5   | <b>16AMP-R250SMS</b>            |
| 3"           | 11.0   | 93.0   | 5.1    | 86.5   | <b>16AMP-R300SMS</b>            |
| 4"           | 11.0   | 118.0  | 5.8    | 112.5  | <b>16AMP-R400SMS</b>            |

## Welding Males - 15A



| Nominal Size | WT (mm) | A (mm) | B (mm)    | C (mm) | 316 Stainless Steel Part Number |
|--------------|---------|--------|-----------|--------|---------------------------------|
| 1"           | 1.25    | 19.0   | 40 x 1/6  | 25.0   | <b>15A-R100SMS</b>              |
| 1½"          | 1.25    | 23.0   | 60 x 1/6  | 38.0   | <b>15A-R150SMS</b>              |
| 2"           | 1.25    | 23.0   | 70 x 1/6  | 51.0   | <b>15A-R200SMS</b>              |
| 2½"          | 1.50    | 27.0   | 85 x 1/6  | 63.5   | <b>15A-R250SMS</b>              |
| 3"           | 1.60    | 27.0   | 98 x 1/6  | 76.1   | <b>15A-R300SMS</b>              |
| 4"           | 2.00    | 30.0   | 125 x 1/4 | 101.6  | <b>15A-R400SMS</b>              |

## Welding Liners - 14A



| Nominal Size | WT (mm) | A (mm) | B (mm) | C (mm) | 316 Stainless Steel Part Number |
|--------------|---------|--------|--------|--------|---------------------------------|
| 1"           | 1.25    | 15.5   | 35.5   | 25.0   | <b>14A-R100SMS</b>              |
| 1½"          | 1.25    | 16.0   | 55.0   | 38.0   | <b>14A-R150SMS</b>              |
| 2"           | 1.25    | 17.0   | 65.0   | 51.0   | <b>14A-R200SMS</b>              |
| 2½"          | 1.50    | 17.0   | 80.0   | 63.5   | <b>14A-R250SMS</b>              |
| 3"           | 1.60    | 19.0   | 93.0   | 76.1   | <b>14A-R300SMS</b>              |
| 4"           | 2.00    | 19.0   | 118.0  | 101.6  | <b>14A-R400SMS</b>              |

## DIN and SMS Spanner Wrenches - SP



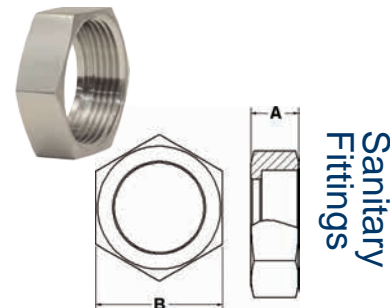
| Used On Nominal Size | A (mm) | Nickel Plated Steel Part Number |
|----------------------|--------|---------------------------------|
| 1" - 1½"             | 247.7  | <b>DIN-SMS-60/90SP</b>          |
| 2" - 4"              | 330.2  | <b>DIN-SMS90/155SP</b>          |

Manufactured in accordance to Swedish Milk Standard ISO 2037 and ISO 2851

## European Fittings - RJT BS: 4825

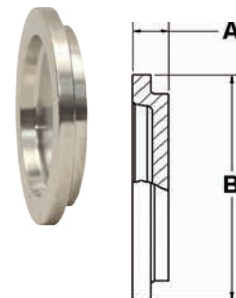
## Hex Nuts - 13H

| Nominal Size | A (mm) | B (mm) | 304 Stainless Steel Part Number |
|--------------|--------|--------|---------------------------------|
| 1"           | 22.2   | 50.80  | <b>13H-G100RJT</b>              |
| 1½"          | 22.2   | 65.02  | <b>13H-G150RJT</b>              |
| 2"           | 22.2   | 79.25  | <b>13H-G200RJT</b>              |
| 2½"          | 22.2   | 91.95  | <b>13H-G250RJT</b>              |
| 3"           | 22.2   | 104.65 | <b>13H-G300RJT</b>              |
| 4"           | 22.2   | 130.05 | <b>13H-G400RJT</b>              |



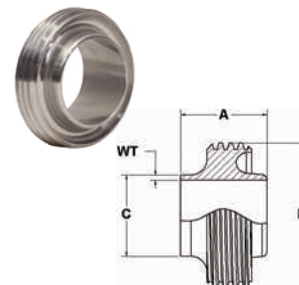
## Blank Caps - 13RBN

| Nominal Size | A (mm) | B (mm) | 304 Stainless Steel Part Number |
|--------------|--------|--------|---------------------------------|
| 1"           | 8.2    | 41.3   | <b>13RBN-G100RJT</b>            |
| 1½"          | 8.2    | 54.0   | <b>13RBN-G150RJT</b>            |
| 2"           | 8.2    | 66.7   | <b>13RBN-G200RJT</b>            |
| 2½"          | 8.2    | 79.4   | <b>13RBN-G250RJT</b>            |
| 3"           | 8.2    | 92.1   | <b>13RBN-G300RJT</b>            |
| 4"           | 8.2    | 117.5  | <b>13RBN-G400RJT</b>            |



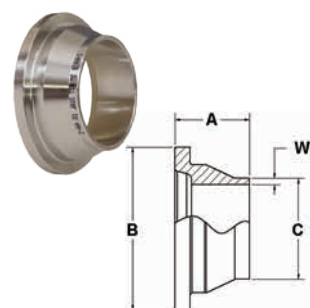
## Welding Males - 15A

| Nominal Size | WT (mm) | A (mm) | B (mm)       | C (mm) | 316 Stainless Steel Part Number |
|--------------|---------|--------|--------------|--------|---------------------------------|
| 1"           | 1.73    | 27.0   | 45.72 x 1/8  | 25.65  | <b>15A-R100RJT</b>              |
| 1½"          | 1.73    | 27.0   | 58.42 x 1/8  | 38.35  | <b>15A-R150RJT</b>              |
| 2"           | 1.73    | 27.0   | 72.72 x 1/6  | 51.05  | <b>15A-R200RJT</b>              |
| 2½"          | 1.73    | 27.0   | 85.42 x 1/6  | 63.75  | <b>15A-R250RJT</b>              |
| 3"           | 1.73    | 27.0   | 98.12 x 1/6  | 76.45  | <b>15A-R300RJT</b>              |
| 4"           | 2.13    | 27.0   | 123.52 x 1/6 | 101.85 | <b>15A-R400RJT</b>              |



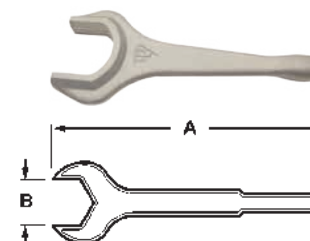
## Welding Liners - 14A

| Nominal Size | WT (mm) | A (mm) | B (mm) | C (mm) | 316 Stainless Steel Part Number |
|--------------|---------|--------|--------|--------|---------------------------------|
| 1"           | 1.73    | 19.5   | 41.3   | 25.65  | <b>14A-R100RJT</b>              |
| 1½"          | 1.73    | 19.5   | 54.0   | 38.35  | <b>14A-R150RJT</b>              |
| 2"           | 1.73    | 19.5   | 66.7   | 51.05  | <b>14A-R200RJT</b>              |
| 2½"          | 1.73    | 19.5   | 79.4   | 63.75  | <b>14A-R250RJT</b>              |
| 3"           | 1.73    | 19.5   | 92.1   | 76.45  | <b>14A-R300RJT</b>              |
| 4"           | 2.13    | 19.5   | 117.5  | 101.85 | <b>14A-R400RJT</b>              |



## Spanner Wrenches - SP

| Size | A (mm) | B (mm) | Aluminum Part Number |
|------|--------|--------|----------------------|
| 1"   | 254.00 | 50.80  | <b>RJT-100SP</b>     |
| 1½"  | 292.10 | 65.02  | <b>RJT-150SP</b>     |
| 2"   | 304.80 | 79.25  | <b>RJT-200SP</b>     |
| 2½"  | 342.80 | 91.95  | <b>RJT-250SP</b>     |
| 3"   | 368.30 | 104.65 | <b>RJT-300SP</b>     |
| 4"   | 444.50 | 130.05 | <b>RJT-400SP</b>     |



Manufactured in accordance to BS 4825



## European Fittings - Gaskets

## DIN Buna-N - Black

## Feature:

- color code: red dot

## Approval:

- meets 21CFR 177.2600

| Nominal Size | ID (mm) | OD (mm) | DIN 11851 Part Number |
|--------------|---------|---------|-----------------------|
| 1"           | 29.97   | 39.88   | <b>40MP-U100DIN</b>   |
| 1½"          | 41.91   | 52.07   | <b>40MP-U150DIN</b>   |
| 2"           | 54.10   | 64.01   | <b>40MP-U200DIN</b>   |
| 2½"          | 71.12   | 81.03   | <b>40MP-U250DIN</b>   |
| 3"           | 85.09   | 95.00   | <b>40MP-U300DIN</b>   |
| 4"           | 103.89  | 114.05  | <b>40MP-U400DIN</b>   |

## SMS Buna-N - Black

## Feature:

- color code: red dot

## Approval:

- meets 21CFR 177.2600

| Nominal Size | ID (mm) | OD (mm) | L Style Part Number |
|--------------|---------|---------|---------------------|
| 1"           | 24.89   | 32.00   | <b>40MP-U100SMS</b> |
| 1½"          | 37.49   | 48.00   | <b>40MP-U150SMS</b> |
| 2"           | 50.80   | 61.00   | <b>40MP-U200SMS</b> |
| 2½"          | 63.50   | 73.40   | <b>40MP-U250SMS</b> |
| 3"           | 75.95   | 86.10   | <b>40MP-U300SMS</b> |
| 4"           | 103.89  | 114.00  | <b>40MP-U400SMS</b> |

## RJT Buna-N - Black

## Feature:

- color code: red dot

## Approval:

- meets 21CFR 177.2600

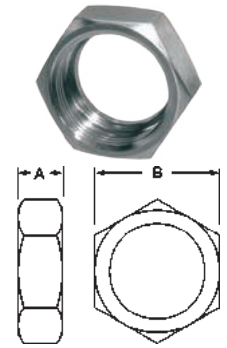
| Nominal Size | ID (mm) | OD (mm) | Part Number         |
|--------------|---------|---------|---------------------|
| 1"           | 26.92   | 6.35    | <b>40MP-U100RJT</b> |
| 1½"          | 39.62   | 6.35    | <b>40MP-U150RJT</b> |
| 2"           | 52.32   | 6.35    | <b>40MP-U200RJT</b> |
| 2½"          | 65.08   | 6.35    | <b>40MP-U250RJT</b> |
| 3"           | 77.72   | 6.35    | <b>40MP-U300RJT</b> |
| 4"           | 103.12  | 6.35    | <b>40MP-U400RJT</b> |

## Bevel Seat Nuts - 13H

## Feature:

- maximum operating pressure: **400 PSI**

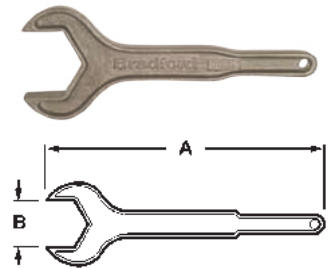
| Tube<br>OD | Dimensions |        | 304 Stainless Steel (CF8)<br>Part # |
|------------|------------|--------|-------------------------------------|
|            | A          | B      |                                     |
| 1"         | .906"      | 1.812" | <b>13H-G100</b>                     |
| 1½"        | .968"      | 2.406" | <b>13H-G150</b>                     |
| 2"         | 1.062"     | 3.000" | <b>13H-G200</b>                     |
| 2½"        | 1.187"     | 3.594" | <b>13H-G250</b>                     |
| 3"         | 1.281"     | 4.188" | <b>13H-G300</b>                     |
| 4"         | 1.500"     | 5.438" | <b>13H-G400</b>                     |

Sanitary  
Fittings

## Bevel Seat Wrenches

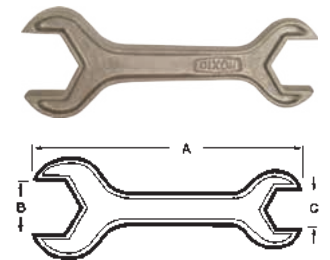
## Single Sided Hex - 25H

| Tube<br>OD | Dimensions |        | Aluminum<br>Part # |
|------------|------------|--------|--------------------|
|            | A          | B      |                    |
| 1"         | 10.500"    | 1.812" | <b>25H-100</b>     |
| 1½"        | 12.000"    | 2.406" | <b>25H-150</b>     |
| 2"         | 14.000"    | 3.000" | <b>25H-200</b>     |
| 2½"        | 16.250"    | 3.594" | <b>25H-250</b>     |
| 3"         | 18.500"    | 4.188" | <b>25H-300</b>     |
| 4"         | 19.500"    | 5.438" | <b>25H-400</b>     |



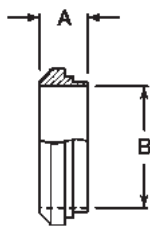
## Two Sided Hex - 25H

| Tube<br>OD | Dimensions |        |        | Aluminum<br>Part # |
|------------|------------|--------|--------|--------------------|
|            | A          | B      | C      |                    |
| 1½" x 1"   | 12.000"    | 2.406" | 1.812" | <b>25H-150100</b>  |
| 2" x 1½"   | 14.000"    | 3.000" | 2.406" | <b>25H-200150</b>  |
| 2½" x 2"   | 16.500"    | 3.594" | 3.000" | <b>25H-250200</b>  |
| 3" x 2"    | 18.000"    | 4.188" | 3.000" | <b>25H-300200</b>  |
| 3" x 2½"   | 18.000"    | 4.188" | 3.594" | <b>25H-300250</b>  |



## Bevel Seat Ferrules

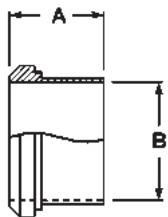
3

Sanitary  
Fittings

## Short Plain Weld - 14PRF

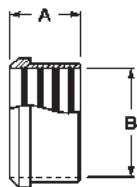
| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|
|            | A          | B      |                               |
| 1"         | .718"      | .870"  | <b>14PRF-G100</b>             |
| 1½"        | .718"      | 1.370" | <b>14PRF-G150</b>             |
| 2"         | .750"      | 1.870" | <b>14PRF-G200</b>             |
| 2½"        | .875"      | 2.370" | <b>14PRF-G250</b>             |
| 3"         | .906"      | 2.870" | <b>14PRF-G300</b>             |
| 4"         | 1.031"     | 3.834" | <b>14PRF-G400</b>             |

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## Long Plain Weld - 14A

| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|
|            | A          | B      |                               |
| 1"         | 1.375"     | .870"  | <b>14A-G100</b>               |
| 1½"        | 1.500"     | 1.370" | <b>14A-G150</b>               |
| 2"         | 1.500"     | 1.870" | <b>14A-G200</b>               |
| 2½"        | 1.750"     | 2.370" | <b>14A-G250</b>               |
| 3"         | 1.750"     | 2.870" | <b>14A-G300</b>               |
| 4"         | 1.750"     | 3.834" | <b>14A-G400</b>               |

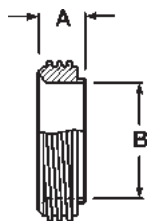
3<sup>1</sup>

## Recessless Plain for Expanding - 14R

| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|
|            | A          | B      |                               |
| 1½"        | 1.125"     | 1.505" | <b>14R-G150</b>               |
| 2"         | 1.312"     | 2.005" | <b>14R-G200</b>               |
| 2½"        | 1.375"     | 2.505" | <b>14R-G250</b>               |
| 3"         | 1.437"     | 3.005" | <b>14R-G300</b>               |
| 4"         | 1.500"     | 4.005" | <b>14R-G400</b>               |

<sup>1</sup> Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.

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## Short Threaded Weld - 15TRF

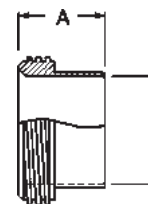
| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|
|            | A          | B      |                               |
| 1"         | .718"      | .870"  | <b>15TRF-G100</b>             |
| 1½"        | .718"      | 1.370" | <b>15TRF-G150</b>             |
| 2"         | .750"      | 1.870" | <b>15TRF-G200</b>             |
| 2½"        | .875"      | 2.370" | <b>15TRF-G250</b>             |
| 3"         | .906"      | 2.870" | <b>15TRF-G300</b>             |
| 4"         | 1.031"     | 3.834" | <b>15TRF-G400</b>             |

## Bevel Seat Ferrules

## Long Threaded Weld - 15A



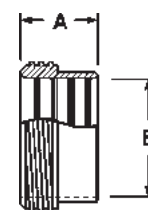
| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|
|            | A          | B      |                               |
| 1"         | 1.375"     | .870"  | <b>15A-G100</b>               |
| 1½"        | 1.500"     | 1.370" | <b>15A-G150</b>               |
| 2"         | 1.500"     | 1.870" | <b>15A-G200</b>               |
| 2½"        | 1.750"     | 2.370" | <b>15A-G250</b>               |
| 3"         | 1.750"     | 2.870" | <b>15A-G300</b>               |
| 4"         | 1.750"     | 3.834" | <b>15A-G400</b>               |

Sanitary  
Fittings

## Recessless Threaded for Expanding - 15R



| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|
|            | A          | B      |                               |
| 1"         | .812"      | 1.005" | <b>15R-G100</b>               |
| 1½"        | 1.125"     | 1.505" | <b>15R-G150</b>               |
| 2"         | 1.375"     | 2.005" | <b>15R-G200</b>               |
| 2½"        | 1.500"     | 2.505" | <b>15R-G250</b>               |
| 3"         | 1.625"     | 3.005" | <b>15R-G300</b>               |
| 4"         | 1.675"     | 4.005" | <b>15R-G400</b>               |



<sup>1</sup> Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.

## Bevel Seat End Caps

## Plain Solid - 16A



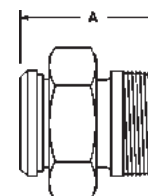
| Tube<br>OD | Dimension<br>A | 304 Stainless Steel<br>Part # |
|------------|----------------|-------------------------------|
| 1"         | 1.312"         | 16A-G100                      |
| 1½"        | 1.843"         | 16A-G150                      |
| 2"         | 2.375"         | 16A-G200                      |
| 2½"        | 2.906"         | 16A-G250                      |
| 3"         | 3.437"         | 16A-G300                      |
| 4"         | 4.500"         | 16A-G400                      |



## Bevel Seat Adapters

## Plain x Male NPT with Hex Nut - 14-19

| Tube<br>OD | Dimension<br>A | 304 Stainless Steel<br>Part # |
|------------|----------------|-------------------------------|
| 1½"        | 3.250"         | <b>14-19-G150</b>             |
| 2"         | 3.312"         | <b>14-19-G200</b>             |
| 3"         | 4.250"         | <b>14-19-G300</b>             |



## Bevel Seat Elbows

## 90° Threaded x Plain with Hex Nut - B2F

| Tube OD | Dimension A | 304 Stainless Steel Part # |
|---------|-------------|----------------------------|
| 1½"     | 2.968"      | <b>B2F-G150</b>            |
| 2"      | 3.750"      | <b>B2F-G200</b>            |
| 2½"     | 4.625"      | <b>B2F-G250</b>            |
| 3"      | 5.406"      | <b>B2F-G300</b>            |

Sanitary Fittings



## 90° Plain x Plain with Hex Nut - B2E

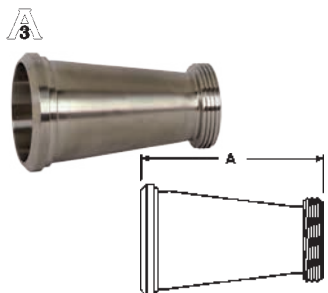
| Tube OD | Dimension A | 304 Stainless Steel Part # |
|---------|-------------|----------------------------|
| 1½"     | 2.968"      | <b>B2E-G150</b>            |
| 2"      | 3.750"      | <b>B2E-G200</b>            |
| 2½"     | 4.625"      | <b>B2E-G250</b>            |
| 3"      | 5.406"      | <b>B2E-G300</b>            |



## Bevel Seat Reducers

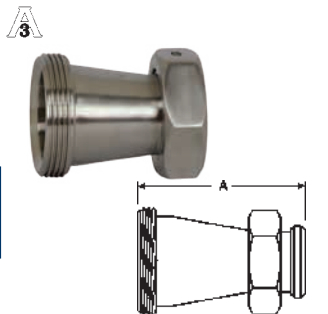
## Plain x Threaded Concentric - B3115F

| Tube OD  | Dimension A | 304 Stainless Steel Part # |
|----------|-------------|----------------------------|
| 2" x 1½" | 3.468"      | <b>B3115F-G200150</b>      |
| 2½" x 2" | 3.625"      | <b>B3115F-G250200</b>      |
| 3" x 2"  | 5.656"      | <b>B3115F-G300200</b>      |
| 3" x 2½" | 3.781"      | <b>B3115F-G300250</b>      |
| 4" x 3"  | 5.937"      | <b>B3115F-G400300</b>      |



## Threaded x Plain with Hex Nut Concentric - B31TP

| Tube OD  | Dimension A | 304 Stainless Steel Part # |
|----------|-------------|----------------------------|
| 2" x 1½" | 3.468"      | <b>B31TP-G200150</b>       |
| 2½" x 2" | 3.625"      | <b>B31TP-G250200</b>       |
| 3" x 2"  | 5.656"      | <b>B31TP-G300200</b>       |
| 3" x 2½" | 3.781"      | <b>B31TP-G300250</b>       |
| 4" x 3"  | 5.937"      | <b>B31TP-G400300</b>       |



## Breakaway Coupling - Bevel Seat

## Application:

- minimizes spillage and damage associated with pull away and drive away incidents

## Materials:

- 316 stainless steel polished to standard <32R<sub>a</sub>, 3A finish
- clamp gasket: EPDM standard, optional material available

## Features:

- designed to be installed between a fixed point and a hose
- 13kN break load bolts standard, other break loads available
- coupling breaks away with an excessive load
- other sizes / connections available

## Specification:

- working pressure: **350 PSI @ 70°F (21°C)**



| Size | 316 Stainless Steel Part # |
|------|----------------------------|
| 2"   | <b>SBC-E200TP13</b>        |
| 3"   | <b>SBC-E300TP13</b>        |

**NEW**

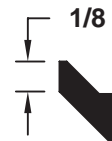
## Bevel Seat Gaskets

## Buna-N - Black

## Features:

- color code: red dot
- meets 21CFR 177.2600

| Size | Buna-N<br>Part # |
|------|------------------|
| 1"   | 40BS-O100        |
| 1½"  | 40BS-O150        |
| 2"   | 40BS-O200        |
| 2½"  | 40BS-O250        |
| 3"   | 40BS-O300        |
| 4"   | 40BS-O400        |

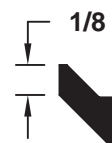
Sanitary  
Fittings

## PTFE - White

## Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing

| Size | PTFE<br>Part # |
|------|----------------|
| 1"   | 40BS-S100      |
| 1½"  | 40BS-S150      |
| 2"   | 40BS-S200      |
| 2½"  | 40BS-S250      |
| 3"   | 40BS-S300      |
| 4"   | 40BS-S400      |

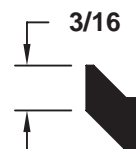


## Heavy PTFE - White

## Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing

| Size | PTFE<br>Part # |
|------|----------------|
| 1"   | 40BS-H100      |
| 1½"  | 40BS-H150      |
| 2"   | 40BS-H200      |
| 2½"  | 40BS-H250      |
| 3"   | 40BS-H300      |
| 4"   | 40BS-H400      |



PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.





## I-line / Q-line Clamps

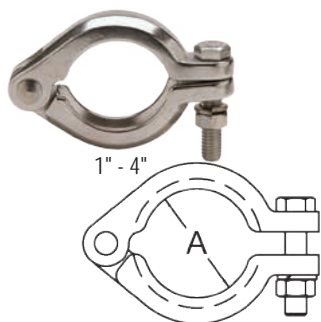
## Heavy Duty - 13ILH

Sanitary  
Fittings

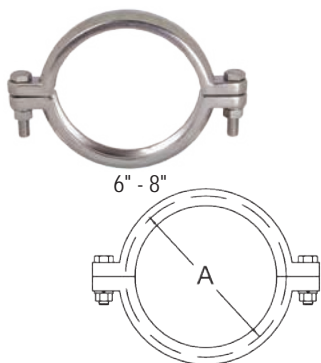
| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | 304 Stainless Steel<br>Part # |
|----------|--|--|----------------|-------------------------------|
| 1" - 1½" | <b>700</b>   | <b>250</b>   | 2.122"         | <b>13ILH100-150</b>           |
| 2"       | <b>450</b>   | <b>250</b>   | 2.654"         | <b>13ILH200</b>               |
| 2½"      | <b>450</b>   | <b>200</b>   | 3.185"         | <b>13ILH250</b>               |
| 3"       | <b>350</b>   | <b>150</b>   | 3.717"         | <b>13ILH300</b>               |
| 4"       | <b>200</b>   | <b>125</b>   | 4.820"         | <b>13ILH400</b>               |
| 6"       | <b>150</b>   | <b>100</b>   | 7.689"         | <b>13ILH600</b>               |
| 8"       | <b>125</b>   | <b>75</b>  | 9.689"         | <b>13ILH800</b>               |

<sup>1</sup> wing nut tightened to 25 in. lbs. of torque

## Bolted - 13ILB



| Tube OD  | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | 304 Stainless Steel<br>Part # |
|----------|--|--|----------------|-------------------------------|
| 1" - 1½" | <b>1220</b>  | <b>1100</b>  | 2.122"         | <b>13ILB100-150</b>           |
| 2"       | <b>900</b>   | <b>830</b>   | 2.654"         | <b>13ILB200</b>               |
| 2½"      | <b>720</b>   | <b>660</b>   | 3.185"         | <b>13ILB250</b>               |
| 3"       | <b>600</b>   | <b>550</b>   | 3.717"         | <b>13ILB300</b>               |
| 4"       | <b>570</b>   | <b>525</b>   | 4.820"         | <b>13ILB400</b>               |

<sup>1</sup> nut tightened to 20 ft. lbs. of torque

| Tube OD | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Service Pressure<br>PSI Rating @<br>250°F (121°C) <sup>1</sup> | Dimension<br>A | 304 Stainless Steel<br>Part # |
|---------|--|--|----------------|-------------------------------|
| 6"      | <b>300</b>   | <b>200</b>   | 7.689"         | <b>13ILB600</b>               |
| 8"      | <b>250</b>   | <b>150</b>   | 9.689"         | <b>13ILB800</b>               |

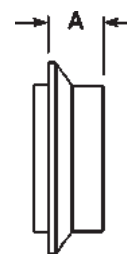
<sup>1</sup> nut tightened to 20 ft. lbs. of torque

## I-Line - Ferrules

## Male Short Weld - 14WI



| Tube OD | Dimension A | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|-------------|----------------------------|-----------------------------|
| 1"      | .600"       | <b>14WI-G100</b>           | <b>14WI-R100</b>            |
| 1½"     | .765"       | <b>14WI-G150</b>           | <b>14WI-R150</b>            |
| 2"      | .790"       | <b>14WI-G200</b>           | <b>14WI-R200</b>            |
| 2½"     | .848"       | <b>14WI-G250</b>           | <b>14WI-R250</b>            |
| 3"      | .906"       | <b>14WI-G300</b>           | <b>14WI-R300</b>            |
| 4"      | 1.031"      | <b>14WI-G400</b>           | <b>14WI-R400</b>            |
| 6"      | .940"       | ---                        | <b>14WI-R600</b>            |
| 8"      | .940"       | ---                        | <b>14WI-R800</b>            |

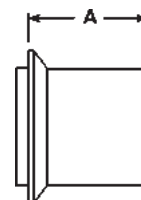


Sanitary Fittings

## Male Long Weld - 14WLI



| Tube OD | Dimension A | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|-------------|----------------------------|-----------------------------|
| 1"      | 1.562"      | <b>14WLI-G100</b>          | <b>14WLI-R100</b>           |
| 1½"     | 1.843"      | <b>14WLI-G150</b>          | <b>14WLI-R150</b>           |
| 2"      | 2.062"      | <b>14WLI-G200</b>          | <b>14WLI-R200</b>           |
| 2½"     | 2.188"      | <b>14WLI-G250</b>          | <b>14WLI-R250</b>           |
| 3"      | 2.375"      | <b>14WLI-G300</b>          | <b>14WLI-R300</b>           |
| 4"      | 2.688"      | <b>14WLI-G400</b>          | <b>14WLI-R400</b>           |
| 6"      | 2.688"      | ---                        | <b>14WLI-R600</b>           |



## Female Short Weld - 15WI



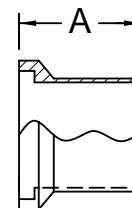
| Tube OD | Dimension A | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|-------------|----------------------------|-----------------------------|
| 1"      | .785"       | <b>15WI-G100</b>           | <b>15WI-R100</b>            |
| 1½"     | .950"       | <b>15WI-G150</b>           | <b>15WI-R150</b>            |
| 2"      | 1.040"      | <b>15WI-G200</b>           | <b>15WI-R200</b>            |
| 2½"     | 1.160"      | <b>15WI-G250</b>           | <b>15WI-R250</b>            |
| 3"      | 1.220"      | <b>15WI-G300</b>           | <b>15WI-R300</b>            |
| 4"      | 1.350"      | <b>15WI-G400</b>           | <b>15WI-R400</b>            |
| 6"      | 1.125"      | ---                        | <b>15WI-R600</b>            |
| 8"      | 1.125"      | ---                        | <b>15WI-R800</b>            |



## Female Long Weld - 15WLI

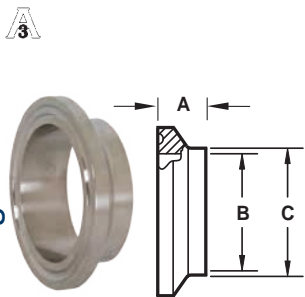


| Tube OD | Dimension A | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|-------------|----------------------------|-----------------------------|
| 1"      | 1.750"      | <b>15WLI-G100</b>          | <b>15WLI-R100</b>           |
| 1½"     | 2.031"      | <b>15WLI-G150</b>          | <b>15WLI-R150</b>           |
| 2"      | 2.312"      | <b>15WLI-G200</b>          | <b>15WLI-R200</b>           |
| 2½"     | 2.500"      | <b>15WLI-G250</b>          | <b>15WLI-R250</b>           |
| 3"      | 2.688"      | <b>15WLI-G300</b>          | <b>15WLI-R300</b>           |
| 4"      | 3.000"      | <b>15WLI-G400</b>          | <b>15WLI-R400</b>           |
| 6"      | 3.000"      | ---                        | <b>15WLI-R600</b>           |



## Q-Line - Ferrules

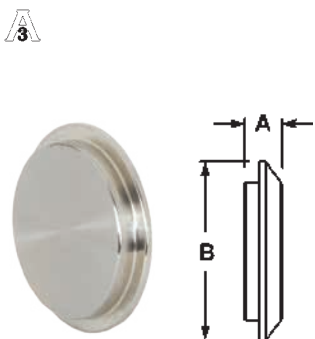
## Weld - 14WQ

Sanitary  
Fittings

| Tube<br>OD | Dimensions |        |        | 304 Stainless Steel<br>Part # |
|------------|------------|--------|--------|-------------------------------|
|            | A          | B      | C      |                               |
| 1"         | .531"      | .870"  | 1.000" | <b>14WQ-G100</b>              |
| 1½"        | .563"      | 1.370" | 1.500" | <b>14WQ-G150</b>              |
| 2"         | .813"      | 1.870" | 2.000" | <b>14WQ-G200</b>              |
| 2½"        | .938"      | 2.370" | 2.500" | <b>14WQ-G250</b>              |
| 3"         | .938"      | 2.870" | 3.000" | <b>14WQ-G300</b>              |
| 4"         | 1.000"     | 3.834" | 4.000" | <b>14WQ-G400</b>              |

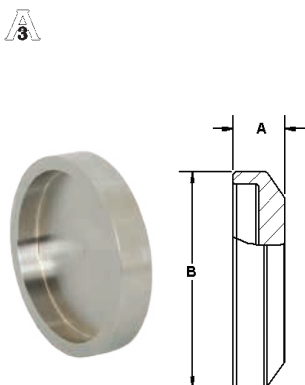
## I-Line / Q-Line - End Caps

## Male Solid - 16AI-14I



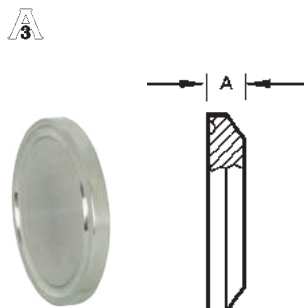
| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # | 316L Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|--------------------------------|
|            | A          | B      |                               |                                |
| 1"         | .500"      | 1.985" | <b>16AI-14I100</b>            | <b>16AI-14I100R</b>            |
| 1½"        | .500"      | 1.985" | <b>16AI-14I150</b>            | <b>16AI-14I150R</b>            |
| 2"         | .562"      | 2.640" | <b>16AI-14I200</b>            | <b>16AI-14I200R</b>            |
| 2½"        | .750"      | 3.307" | <b>16AI-14I250</b>            | <b>16AI-14I250R</b>            |
| 3"         | .750"      | 3.870" | <b>16AI-14I300</b>            | <b>16AI-14I300R</b>            |
| 4"         | .750"      | 4.870" | <b>16AI-14I400</b>            | <b>16AI-14I400R</b>            |
| 6"         | .750"      | 7.495" | ---                           | <b>16AI-14I600R</b>            |
| 8"         | .800"      | 9.495" | ---                           | <b>16AI-14I800R</b>            |

## Female Solid - 16AI-15I



| Tube<br>OD | Dimensions |        | 304 Stainless Steel<br>Part # | 316L Stainless Steel<br>Part # |
|------------|------------|--------|-------------------------------|--------------------------------|
|            | A          | B      |                               |                                |
| 1"         | .500"      | 1.985" | <b>16AI-15I100</b>            | <b>16AI-15I100R</b>            |
| 1½"        | .500"      | 1.985" | <b>16AI-15I150</b>            | <b>16AI-15I150R</b>            |
| 2"         | .562"      | 2.640" | <b>16AI-15I200</b>            | <b>16AI-15I200R</b>            |
| 2½"        | .750"      | 3.307" | <b>16AI-15I250</b>            | <b>16AI-15I250R</b>            |
| 3"         | .750"      | 3.870" | <b>16AI-15I300</b>            | <b>16AI-15I300R</b>            |
| 4"         | .765"      | 4.870" | <b>16AI-15I400</b>            | <b>16AI-15I400R</b>            |
| 6"         | .869"      | 7.495" | ---                           | <b>16AI-15I600R</b>            |
| 8"         | .800"      | 9.495" | ---                           | <b>16AI-15I800R</b>            |

## Solid - 16AQ



| Tube OD | Dimension<br>A | 304 Stainless Steel<br>Part # |
|---------|----------------|-------------------------------|
| 1"      | .313"          | <b>16AQ-G100</b>              |
| 1½"     | .313"          | <b>16AQ-G150</b>              |
| 2"      | .438"          | <b>16AQ-G200</b>              |
| 2½"     | .500"          | <b>16AQ-G250</b>              |
| 3"      | .500"          | <b>16AQ-G300</b>              |
| 4"      | .625"          | <b>16AQ-G400</b>              |

## I-line Gaskets

## 3/32" Buna-N - Black

## Features:

- color code: red dot
- meets 21CFR 177.2600

| Size | Buna-N<br>Part # |
|------|------------------|
| 1"   | 40IH100          |
| 1½"  | 40IH150          |
| 2"   | 40IH200          |
| 2½"  | 40IH250          |
| 3"   | 40IH300          |
| 4"   | 40IH400          |
| 6"   | 40IH600          |
| 8"   | 40IH800          |

Sanitary  
Fittings

## 1/16" PTFE - White

## Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP class VI cytotoxicity testing

| Size | PTFE<br>Part # |
|------|----------------|
| 1"   | 40IT100        |
| 1½"  | 40IT150        |
| 2"   | 40IT200        |
| 2½"  | 40IT250        |
| 3"   | 40IT300        |
| 4"   | 40IT400        |
| 6"   | 40IT600        |
| 8"   | 40IT800        |



PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



## 3/32" EPDM - White

## Features:

- color code: three green dots
- meets 21CFR 177.2600
- passed USP class VI cytotoxicity testing
- peroxide cured

| Size | EPDM<br>Part # |
|------|----------------|
| 1"   | 40IE100        |
| 1½"  | 40IE150        |
| 2"   | 40IE200        |
| 2½"  | 40IE250        |
| 3"   | 40IE300        |
| 4"   | 40IE400        |
| 6"   | 40IE600        |
| 8"   | 40IE800        |



## I-line Gaskets

## 1/16" FKM - Black

## Features:

- color code: one white dot, one yellow dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing
- peroxide cured



| Size | FKM<br>Part # |
|------|---------------|
| 1"   | 40IV100       |
| 1½"  | 40IV150       |
| 2"   | 40IV200       |
| 2½"  | 40IV250       |
| 3"   | 40IV300       |
| 4"   | 40IV400       |
| 6"   | 40IV600       |
| 8"   | 40IV800       |

## Q-line Gaskets

## Buna-N - Black

## Features:

- color code: red dot
- meets 21CFR 177.2600



| Size | Buna-N<br>Part # |
|------|------------------|
| 1"   | 40QH100          |
| 1½"  | 40QH150          |
| 2"   | 40QH200          |
| 2½"  | 40QH250          |
| 3"   | 40QH300          |
| 4"   | 40QH400          |

## PTFE - White

## Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing



| Size | PTFE<br>Part # |
|------|----------------|
| 1"   | 40QT100        |
| 1½"  | 40QT150        |
| 2"   | 40QT200        |
| 2½"  | 40QT250        |
| 3"   | 40QT300        |
| 4"   | 40QT400        |

PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

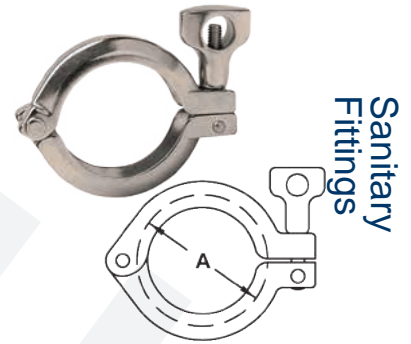


## Pipe Size Clamps

## Schedule 5S and 10S Single Pin Heavy Duty - 13MHHV

| Pipe Size | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Dimension<br>A | 304 Stainless Steel<br>Part # |
|-----------|--|----------------|-------------------------------|
| 1"        | <b>500</b>   | 2.122"         | <b>13MHHV100</b>              |
| 1½"       | <b>450</b>   | 2.654"         | <b>13MHHV150</b>              |
| 2"        | <b>400</b>   | 3.185"         | <b>13MHHV200</b>              |
| 2½"       | <b>350</b>   | 3.717"         | <b>13MHHV250</b>              |
| 3"        | <b>250</b>   | 4.263"         | <b>13MHHV300</b>              |
| 4"        | <b>150</b>   | 5.263"         | <b>13MHHV400</b>              |
| 6"        | <b>100</b>   | 7.500"         | <b>13MHHV600</b>              |

<sup>1</sup> wing nut tightened to 25 in. lbs. of torque

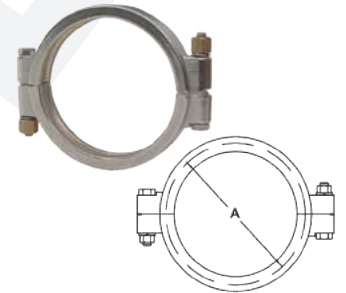
Sanitary  
Fittings

## Bolted - 13MHPV400

| Pipe Size | Service Pressure<br>PSI Rating @<br>70°F (21°C) <sup>1</sup> | Dimension<br>A | 304 Stainless Steel<br>Part # |
|-----------|--|----------------|-------------------------------|
| 4"        | <b>400</b>   | 5.187"         | <b>13MHPV400</b>              |

<sup>1</sup> nut tightened to 20 ft. lbs. of torque

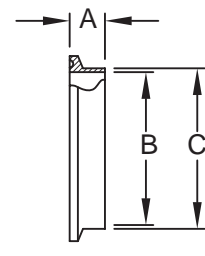
- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



## Pipe Size Ferrules

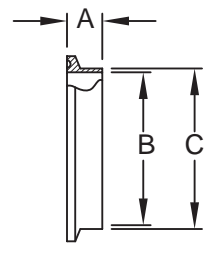
## Schedule 5S Short Weld - 14WMV

| Pipe<br>Size | Dimensions |        |        | 316L Stainless Steel<br>Part # |
|--------------|------------|--------|--------|--------------------------------|
|              | A          | B      | C      |                                |
| 1"           | .500"      | 1.185" | 1.315" | <b>14WMV-R100</b>              |
| 1½"          | .500"      | 1.770" | 1.900" | <b>14WMV-R150</b>              |
| 2"           | .500"      | 2.245" | 2.375" | <b>14WMV-R200</b>              |
| 2½"          | .500"      | 2.709" | 2.875" | <b>14WMV-R250</b>              |
| 3"           | .500"      | 3.334" | 3.500" | <b>14WMV-R300</b>              |
| 4"           | .625"      | 4.334" | 4.500" | <b>14WMV-R400</b>              |
| 6"           | .875"      | 6.407" | 6.625" | <b>14WMV-R600</b>              |

A  
3

## Schedule 10S Short Weld - 14WMX

| Pipe<br>Size | Dimensions |        |        | 316L Stainless Steel<br>Part # |
|--------------|------------|--------|--------|--------------------------------|
|              | A          | B      | C      |                                |
| 1"           | .500"      | 1.097" | 1.315" | <b>14WMX-R100</b>              |
| 1½"          | .500"      | 1.682" | 1.900" | <b>14WMX-R150</b>              |
| 2"           | .500"      | 2.157" | 2.375" | <b>14WMX-R200</b>              |
| 2½"          | .500"      | 2.635" | 2.875" | <b>14WMX-R250</b>              |
| 3"           | .500"      | 3.260" | 3.500" | <b>14WMX-R300</b>              |
| 4"           | .625"      | 4.260" | 4.500" | <b>14WMX-R400</b>              |
| 6"           | .875"      | 6.350" | 6.625" | <b>14WMX-R600</b>              |

A  
3

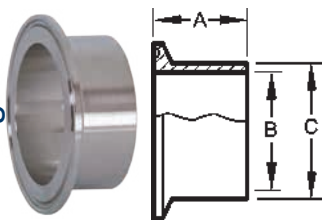
- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



## Pipe Size Ferrules



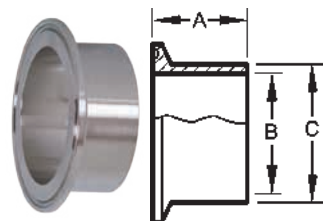
## Schedule 5S Long Weld - L14AM7V

Sanitary  
Fittings

| Pipe Size | Dimensions |        |        | 316L Stainless Steel Part # |
|-----------|------------|--------|--------|-----------------------------|
|           | A          | B      | C      |                             |
| 1"        | 1.125"     | 1.185" | 1.315" | <b>L14AM7V-R100</b>         |
| 1½"       | 1.125"     | 1.770" | 1.900" | <b>L14AM7V-R150</b>         |
| 2"        | 1.125"     | 2.245" | 2.375" | <b>L14AM7V-R200</b>         |
| 2½"       | 1.125"     | 2.709" | 2.875" | <b>L14AM7V-R250</b>         |
| 3"        | 1.125"     | 3.334" | 3.500" | <b>L14AM7V-R300</b>         |
| 4"        | 1.125"     | 4.334" | 4.500" | <b>L14AM7V-R400</b>         |



## Schedule 10S Long Weld - L14AM7X



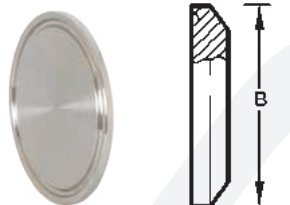
| Pipe Size | Dimensions |        |        | 316L Stainless Steel Part # |
|-----------|------------|--------|--------|-----------------------------|
|           | A          | B      | C      |                             |
| 1"        | 1.125"     | 1.097" | 1.315" | <b>L14AM7X-R100</b>         |
| 1½"       | 1.125"     | 1.682" | 1.900" | <b>L14AM7X-R150</b>         |
| 2"        | 1.125"     | 2.157" | 2.375" | <b>L14AM7X-R200</b>         |
| 2½"       | 1.125"     | 2.635" | 2.875" | <b>L14AM7X-R250</b>         |
| 3"        | 1.125"     | 3.260" | 3.500" | <b>L14AM7X-R300</b>         |
| 4"        | 1.125"     | 4.260" | 4.500" | <b>L14AM7X-R400</b>         |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Pipe Size End Caps



## Schedule 5S and 10S Solid - 16AMV



| Pipe Size | Dimensions |        | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|-----------|------------|--------|----------------------------|-----------------------------|
|           | A          | B      |                            |                             |
| 1"        | .250"      | 1.984" | <b>16AMV-G100</b>          | <b>16AMV-R100</b>           |
| 1½"       | .250"      | 2.516" | <b>16AMV-G150</b>          | <b>16AMV-R150</b>           |
| 2"        | .250"      | 3.047" | <b>16AMV-G200</b>          | <b>16AMV-R200</b>           |
| 2½"       | .250"      | 3.579" | <b>16AMV-G250</b>          | <b>16AMV-R250</b>           |
| 3"        | .312"      | 4.125" | <b>16AMV-G300</b>          | <b>16AMV-R300</b>           |
| 4"        | .312"      | 5.125" | <b>16AMV-G400</b>          | <b>16AMV-R400</b>           |

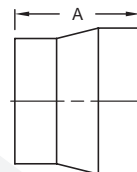
- Specify if you are using a piping system or a tubing system when ordering.
- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Pipe Size Adapters

## Tube OD Weld x Schedule 5S Weld - B19WV



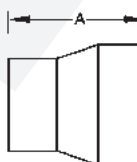
| Pipe Size | Dimension A | Tube Wall Thickness | Pipe Wall Thickness | 316L Stainless Steel Part # |
|-----------|-------------|---------------------|---------------------|-----------------------------|
| 1"        | 2.000"      | .065"               | .065"               | <b>B19WV-R100</b>           |
| 1½"       | 2.500"      | .065"               | .065"               | <b>B19WV-R150</b>           |
| 2"        | 2.500"      | .065"               | .065"               | <b>B19WV-R200</b>           |
| 2½"       | 2.500"      | .065"               | .084"               | <b>B19WV-R250</b>           |
| 3"        | 2.500"      | .065"               | .084"               | <b>B19WV-R300</b>           |
| 4"        | 3.000"      | .084"               | .084"               | <b>B19WV-R400</b>           |

Sanitary  
Fittings

## Tube OD Weld x Schedule 10S Weld - B19WX



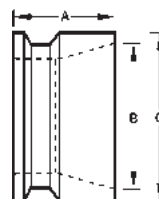
| Pipe Size | Dimension A | Tube Wall Thickness | Pipe Wall Thickness | 316L Stainless Steel Part # |
|-----------|-------------|---------------------|---------------------|-----------------------------|
| 1"        | 2.000"      | .065"               | .109"               | <b>B19WX-R100</b>           |
| 1½"       | 2.500"      | .065"               | .109"               | <b>B19WX-R150</b>           |
| 2"        | 2.500"      | .065"               | .109"               | <b>B19WX-R200</b>           |
| 2½"       | 2.500"      | .065"               | .120"               | <b>B19WX-R250</b>           |
| 3"        | 2.500"      | .065"               | .120"               | <b>B19WX-R300</b>           |
| 4"        | 3.000"      | .084"               | .120"               | <b>B19WX-R400</b>           |



## Clamp x Schedule 10S Weld - B19MPX

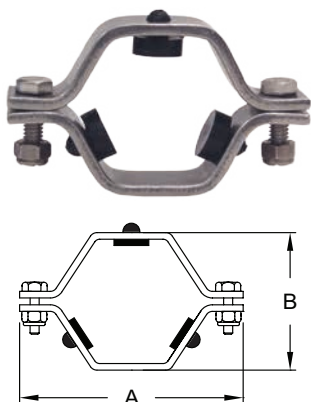


| Pipe Size | Dimensions |        |        | Pipe Wall Thickness | 316L Stainless Steel Part # |
|-----------|------------|--------|--------|---------------------|-----------------------------|
|           | A          | B      | C      |                     |                             |
| 1"        | 1.125"     | 1.097" | 1.315" | .109"               | <b>B19MPX-R100</b>          |
| 1½"       | 1.125"     | 1.682" | 1.900" | .109"               | <b>B19MPX-R150</b>          |
| 2"        | 1.125"     | 2.157" | 2.375" | .109"               | <b>B19MPX-R200</b>          |
| 2½"       | 1.125"     | 2.635" | 2.875" | .120"               | <b>B19MPX-R250</b>          |
| 3"        | 1.125"     | 3.260" | 3.500" | .120"               | <b>B19MPX-R300</b>          |
| 4"        | 1.125"     | 4.260" | 4.500" | .120"               | <b>B19MPX-R400</b>          |

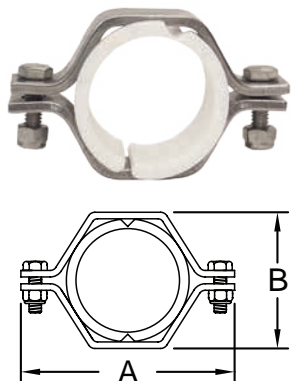


- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Pipe Size Hangers

Hex with Rubber Grommets - B24RV<sup>1</sup>Sanitary  
Fittings

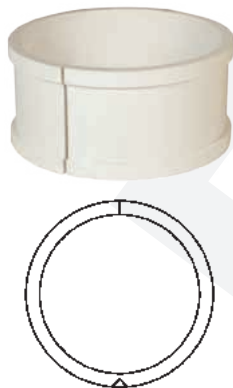
| Pipe Size | Dimensions |      | 304 Stainless Steel<br>Part # |
|-----------|------------|------|-------------------------------|
|           | A          | B    |                               |
| 1"        | 3.7"       | 2.2" | <b>B24RV-G100</b>             |
| 1½"       | 4.4"       | 2.8" | <b>B24RV-G150</b>             |
| 2"        | 5.0"       | 3.3" | <b>B24RV-G200</b>             |
| 2½"       | 5.6"       | 3.7" | <b>B24RV-G250</b>             |
| 3"        | 6.1"       | 4.3" | <b>B24RV-G300</b>             |
| 4"        | 7.6"       | 5.0" | <b>B24RV-G400</b>             |
| 6"        | 9.8"       | 7.2" | <b>B24RV-G600</b>             |

<sup>1</sup> for coupler options call Dixon®Hex with Polypropylene Sleeves - B24PV<sup>1</sup>

| Pipe Size | Dimensions |        | 304 Stainless Steel<br>Part # |
|-----------|------------|--------|-------------------------------|
|           | A          | B      |                               |
| 1"        | 3.750"     | 2.125" | <b>B24PV-G100</b>             |
| 1½"       | 4.312"     | 2.625" | <b>B24PV-G150</b>             |
| 2"        | 5.000"     | 3.125" | <b>B24PV-G200</b>             |
| 2½"       | 5.625"     | 3.785" | <b>B24PV-G250</b>             |
| 3"        | 6.000"     | 4.250" | <b>B24PV-G300</b>             |
| 4"        | 7.500"     | 5.127" | <b>B24PV-G400</b>             |
| 6"        | 9.750"     | 7.375" | <b>B24PV-G600</b>             |

<sup>1</sup> for coupler options call Dixon®

## Sleeves - 13PV



| Size | Polypropylene<br>Part # |
|------|-------------------------|
| 1"   | <b>13PV-100</b>         |
| 1½"  | <b>13PV-150</b>         |
| 2"   | <b>13PV-200</b>         |
| 2½"  | <b>13PV-250</b>         |
| 3"   | <b>13PV-300</b>         |
| 4"   | <b>13PV-400</b>         |
| 6"   | <b>13PV-600</b>         |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Schedule 5S and 10S Pipe Gaskets

**Buna-N - 40MPV-U, Black****Features:**

- color code: red dot
- meets 21CFR 177.2600

| Size | Buna-N<br>Part #  |
|------|-------------------|
| 1"   | <b>40MPV-U100</b> |
| 1½"  | <b>40MPV-U150</b> |
| 2"   | <b>40MPV-U200</b> |
| 2½"  | <b>40MPV-U250</b> |
| 3"   | <b>40MPV-U300</b> |
| 4"   | <b>40MPV-U400</b> |

Sanitary  
Fittings**PTFE - 40MPV-G, White****Features:**

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps



| Size | PTFE<br>Part #    |
|------|-------------------|
| 1"   | <b>40MPV-G100</b> |
| 1½"  | <b>40MPV-G150</b> |
| 2"   | <b>40MPV-G200</b> |
| 2½"  | <b>40MPV-G250</b> |
| 3"   | <b>40MPV-G300</b> |
| 4"   | <b>40MPV-G400</b> |

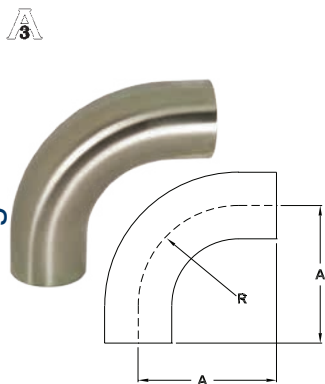


PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



## Polished Weld Elbows

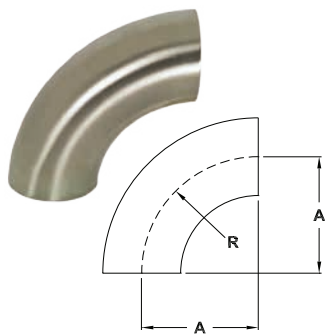
## 90° with Tangents - B2S

Sanitary  
Fittings

| Tube<br>OD | Dimensions |        | Wall<br>Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|------------|------------|--------|-------------------|---|--|
|            | A          | R      |                   |   |  |
| ½"         | 3.000"     | 1.125" | .065"             | ---   | <b>B2S-R50P</b>                                  |
| ¾"         | 3.000"     | 1.125" | .065"             | ---   | <b>B2S-R75P</b>                                  |
| 1"         | 2.062"     | 1.500" | .065"             | <b>B2S-G100P</b>                                | <b>B2S-R100P</b>                                 |
| 1½"        | 2.937"     | 2.250" | .065"             | <b>B2S-G150P</b>                                | <b>B2S-R150P</b>                                 |
| 2"         | 4.062"     | 3.000" | .065"             | <b>B2S-G200P</b>                                | <b>B2S-R200P</b>                                 |
| 2½"        | 5.187"     | 3.750" | .065"             | <b>B2S-G250P</b>                                | <b>B2S-R250P</b>                                 |
| 3"         | 6.312"     | 4.500" | .065"             | <b>B2S-G300P</b>                                | <b>B2S-R300P</b>                                 |
| 4"         | 8.312"     | 6.000" | .083"             | <b>B2S-G400P</b>                                | <b>B2S-R400P</b>                                 |

3

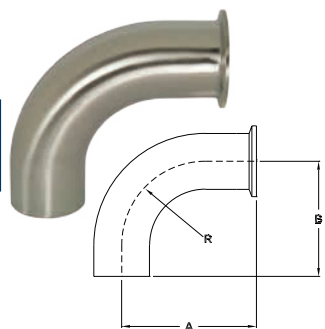
## 90° - B2WCL



| Tube<br>OD | Dimensions |         | Wall<br>Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|------------|------------|---------|-------------------|---|--|
|            | A          | R       |                   |   |  |
| ½"         | 1.125"     | 1.125"  | .065"             | ---   | <b>B2WCL-R50P</b>                                |
| ¾"         | 1.125"     | 1.125"  | .065"             | ---   | <b>B2WCL-R75P</b>                                |
| 1"         | 1.500"     | 1.500"  | .065"             | <b>B2WCL-G100P</b>                              | <b>B2WCL-R100P</b>                               |
| 1½"        | 2.250"     | 2.250"  | .065"             | <b>B2WCL-G150P</b>                              | <b>B2WCL-R150P</b>                               |
| 2"         | 3.000"     | 3.000"  | .065"             | <b>B2WCL-G200P</b>                              | <b>B2WCL-R200P</b>                               |
| 2½"        | 3.750"     | 3.750"  | .065"             | <b>B2WCL-G250P</b>                              | <b>B2WCL-R250P</b>                               |
| 3"         | 4.500"     | 4.500"  | .065"             | <b>B2WCL-G300P</b>                              | <b>B2WCL-R300P</b>                               |
| 4"         | 6.000"     | 6.000"  | .083"             | <b>B2WCL-G400P</b>                              | <b>B2WCL-R400P</b>                               |
| 6"         | 9.000"     | 9.000"  | .109"             | <b>B2WCL-G600P</b>                              | <b>B2WCL-R600P</b>                               |
| 8"         | 12.000"    | 12.000" | .109"             | <b>B2WCL-G800P</b>                              | <b>B2WCL-R800P</b>                               |

3

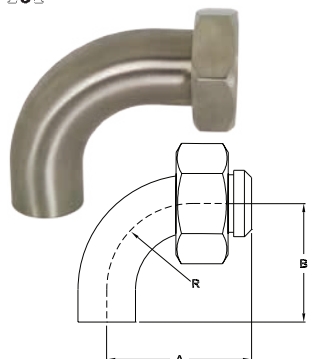
## 90° Clamp x Weld - B2CM



| Tube<br>OD | Dimensions |        |        | Wall<br>Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|------------|------------|--------|--------|-------------------|---|--|
|            | A          | B      | R      |                   |   |  |
| 1"         | 2.562"     | 2.062" | 1.500" | .065"             | <b>B2CM-G100</b>                                | <b>B2CM-R100</b>                                 |
| 1½"        | 3.438"     | 2.937" | 2.250" | .065"             | <b>B2CM-G150</b>                                | <b>B2CM-R150</b>                                 |
| 2"         | 4.562"     | 4.062" | 3.000" | .065"             | <b>B2CM-G200</b>                                | <b>B2CM-R200</b>                                 |
| 2½"        | 5.688"     | 5.187" | 3.750" | .065"             | <b>B2CM-G250</b>                                | <b>B2CM-R250</b>                                 |
| 3"         | 6.812"     | 6.312" | 4.500" | .065"             | <b>B2CM-G300</b>                                | <b>B2CM-R300</b>                                 |
| 4"         | 8.937"     | 8.312" | 6.000" | .083"             | <b>B2CM-G400</b>                                | <b>B2CM-R400</b>                                 |

3

## 90° Plain Bevel Seat with Hex Nut x Weld - B2FP



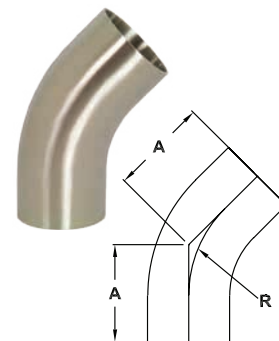
| Tube<br>OD | Dimensions |        |        | Wall<br>Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # |
|------------|------------|--------|--------|-------------------|---|
|            | A          | B      | R      |                   |   |
| 1½"        | 3.656"     | 2.937" | 2.250" | .065"             | <b>B2FP-G150</b>                                |
| 2"         | 4.812"     | 4.062" | 3.000" | .065"             | <b>B2FP-G200</b>                                |
| 2½"        | 6.062"     | 5.187" | 3.750" | .065"             | <b>B2FP-G250</b>                                |
| 3"         | 7.218"     | 6.312" | 4.500" | .065"             | <b>B2FP-G300</b>                                |

## Polished Weld Elbows

## 45° with Tangents - B2KS



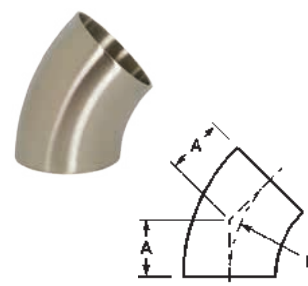
| Tube OD | Dimensions |        | Wall Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|---------|------------|--------|----------------|---|--|
|         | A          | R      |                |   |  |
| ¾"      | 2.250"     | 1.125" | .065"          | ---   | <b>B2KS-R75P</b>                                 |
| 1"      | 1.188"     | 1.500" | .065"          | <b>B2KS-G100P</b>                               | <b>B2KS-R100P</b>                                |
| 1½"     | 1.625"     | 2.250" | .065"          | <b>B2KS-G150P</b>                               | <b>B2KS-R150P</b>                                |
| 2"      | 2.312"     | 3.000" | .065"          | <b>B2KS-G200P</b>                               | <b>B2KS-R200P</b>                                |
| 2½"     | 3.000"     | 3.750" | .065"          | <b>B2KS-G250P</b>                               | <b>B2KS-R250P</b>                                |
| 3"      | 3.688"     | 4.500" | .065"          | <b>B2KS-G300P</b>                               | <b>B2KS-R300P</b>                                |
| 4"      | 4.812"     | 6.000" | .083"          | <b>B2KS-G400P</b>                               | <b>B2KS-R400P</b>                                |

Sanitary  
Fittings

## 45° - B2WK



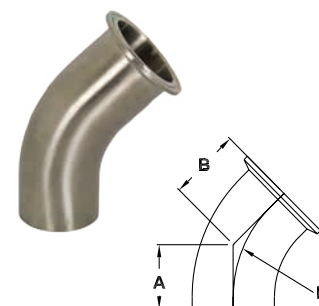
| Tube OD | Dimensions |         | Wall Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|---------|------------|---------|----------------|---|--|
|         | A          | R       |                |   |  |
| 1"      | .62"       | 1.500"  | .065"          | <b>B2WK-G100P</b>                               | <b>B2WK-R100P</b>                                |
| 1½"     | .94"       | 2.250"  | .065"          | <b>B2WK-G150P</b>                               | <b>B2WK-R150P</b>                                |
| 2"      | 1.25"      | 3.000"  | .065"          | <b>B2WK-G200P</b>                               | <b>B2WK-R200P</b>                                |
| 2½"     | 1.56"      | 3.750"  | .065"          | <b>B2WK-G250P</b>                               | <b>B2WK-R250P</b>                                |
| 3"      | 1.87"      | 4.500"  | .065"          | <b>B2WK-G300P</b>                               | <b>B2WK-R300P</b>                                |
| 4"      | 2.50"      | 6.000"  | .083"          | <b>B2WK-G400P</b>                               | <b>B2WK-R400P</b>                                |
| 6"      | 3.73"      | 9.000"  | .109"          | <b>B2WK-G600P</b>                               | <b>B2WK-R600P</b>                                |
| 8"      | 4.97"      | 12.000" | .109"          | ---   | <b>B2WK-R800P</b>                                |



## 45° Clamp x Weld - B2KM



| Tube OD | Dimensions |        |        | Wall Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|---------|------------|--------|--------|----------------|---|--|
|         | A          | B      | R      |                |   |  |
| 1"      | 1.188"     | 1.688" | 1.500" | .065"          | <b>B2KM-G100</b>                                | <b>B2KM-R100</b>                                 |
| 1½"     | 1.625"     | 2.125" | 2.250" | .065"          | <b>B2KM-G150</b>                                | <b>B2KM-R150</b>                                 |
| 2"      | 2.312"     | 2.812" | 3.000" | .065"          | <b>B2KM-G200</b>                                | <b>B2KM-R200</b>                                 |
| 2½"     | 3.000"     | 3.500" | 3.750" | .065"          | <b>B2KM-G250</b>                                | <b>B2KM-R250</b>                                 |
| 3"      | 3.688"     | 4.188" | 4.500" | .065"          | <b>B2KM-G300</b>                                | <b>B2KM-R300</b>                                 |
| 4"      | 4.812"     | 5.437" | 6.000" | .083"          | <b>B2KM-G400</b>                                | <b>B2KM-R400</b>                                 |





## Polished Weld Sweep Elbows

## Feature:

- tangents, 45° and other radii elbows are available, call Dixon® for information

**12" 90° - B2SXL**

| Tube OD | Dimensions |        | 316L Stainless Steel<br>Part # |
|---------|------------|--------|--------------------------------|
|         | A          | R      |                                |
| 1½"     | 12.00"     | 12.00" | <b>B2SXL12-R150</b>            |
| 2"      | 12.00"     | 12.00" | <b>B2SXL12-R200</b>            |
| 3"      | 12.00"     | 12.00" | <b>B2SXL12-R300</b>            |
| 4"      | 12.00"     | 12.00" | <b>B2SXL12-R400</b>            |

**18" 90° - B2SXL**

| Tube OD | Dimensions |        | 316L Stainless Steel<br>Part # |
|---------|------------|--------|--------------------------------|
|         | A          | R      |                                |
| 1½"     | 18.00"     | 18.00" | <b>B2SXL18-R150</b>            |
| 2"      | 18.00"     | 18.00" | <b>B2SXL18-R200</b>            |
| 2½"     | 18.00"     | 18.00" | <b>B2SXL18-R250</b>            |
| 3"      | 18.00"     | 18.00" | <b>B2SXL18-R300</b>            |

**24" 90° - B2SXL**

| Tube OD | Dimensions |        | 316L Stainless Steel<br>Part # |
|---------|------------|--------|--------------------------------|
|         | A          | R      |                                |
| 1½"     | 24.00"     | 24.00" | <b>B2SXL24-R150</b>            |
| 2"      | 24.00"     | 24.00" | <b>B2SXL24-R200</b>            |
| 2½"     | 24.00"     | 24.00" | <b>B2SXL24-R250</b>            |
| 3"      | 24.00"     | 24.00" | <b>B2SXL24-R300</b>            |

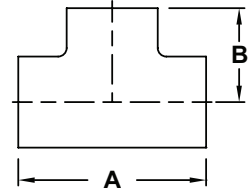
**36" 90° - B2SXL**

| Tube OD | Dimensions |        | 316L Stainless Steel<br>Part # |
|---------|------------|--------|--------------------------------|
|         | A          | R      |                                |
| 3"      | 36.00"     | 36.00" | <b>B2SXL36-R300</b>            |
| 4"      | 36.00"     | 36.00" | <b>B2SXL36-R400</b>            |

## Polished Weld Tees

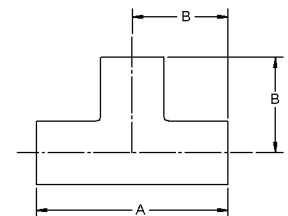
## Short - B7WWW

| Tube OD | Dimensions |        | Wall Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|---------|------------|--------|----------------|---|--|
|         | A          | B      |                |   |  |
| 1"      | 2.250"     | 1.125" | .065"          | <b>B7WWW-G100P</b>                              | <b>B7WWW-R100P</b>                               |
| 1½"     | 3.312"     | 1.656" | .065"          | <b>B7WWW-G150P</b>                              | <b>B7WWW-R150P</b>                               |
| 2"      | 4.124"     | 2.062" | .065"          | <b>B7WWW-G200P</b>                              | <b>B7WWW-R200P</b>                               |
| 2½"     | 4.688"     | 2.344" | .065"          | <b>B7WWW-G250P</b>                              | <b>B7WWW-R250P</b>                               |
| 3"      | 5.188"     | 2.594" | .065"          | <b>B7WWW-G300P</b>                              | <b>B7WWW-R300P</b>                               |
| 4"      | 6.876"     | 3.438" | .083"          | <b>B7WWW-G400P</b>                              | <b>B7WWW-R400P</b>                               |

Sanitary  
Fittings

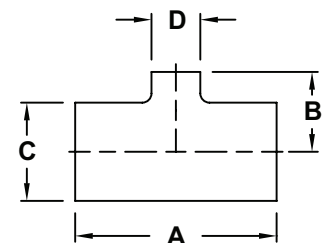
## Long - B7W

| Tube OD | Dimensions |        | Wall Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|---------|------------|--------|----------------|---|--|
|         | A          | B      |                |   |  |
| ¾"      | 4.000"     | 2.000" | .065"          | ---   | <b>B7W-R75P</b>                                  |
| 1"      | 3.750"     | 1.875" | .065"          | <b>B7W-G100P</b>                                | <b>B7W-R100P</b>                                 |
| 1½"     | 4.500"     | 2.250" | .065"          | <b>B7W-G150P</b>                                | <b>B7W-R150P</b>                                 |
| 2"      | 6.000"     | 3.000" | .065"          | <b>B7W-G200P</b>                                | <b>B7W-R200P</b>                                 |
| 2½"     | 6.000"     | 3.000" | .065"          | <b>B7W-G250P</b>                                | <b>B7W-R250P</b>                                 |
| 3"      | 6.500"     | 3.250" | .065"          | <b>B7W-G300P</b>                                | <b>B7W-R300P</b>                                 |
| 4"      | 7.750"     | 3.875" | .083"          | <b>B7W-G400P</b>                                | <b>B7W-R400P</b>                                 |



## Reducing - B7RWWW

| Tube OD   | Dimensions |        |        |        | Wall Thick. | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|-----------|------------|--------|--------|--------|-------------|---|--|
|           | A          | B      | C      | D      |             |   |  |
| 1½" x 1"  | 3.312"     | 1.375" | 1.500" | 1.000" | .065"       | <b>B7RWWW-G150100P</b>                          | <b>B7RWWW-R150100P</b>                           |
| 2" x 1"   | 4.124"     | 1.625" | 2.000" | 1.000" | .065"       | <b>B7RWWW-G200100P</b>                          | <b>B7RWWW-R200100P</b>                           |
| 2" x 1½"  | 4.124"     | 1.906" | 2.000" | 1.500" | .065"       | <b>B7RWWW-G200150P</b>                          | <b>B7RWWW-R200150P</b>                           |
| 2½" x 1½" | 4.688"     | 2.156" | 2.500" | 1.500" | .065"       | <b>B7RWWW-G250150P</b>                          | <b>B7RWWW-R250150P</b>                           |
| 2½" x 2"  | 4.688"     | 2.312" | 2.500" | 2.000" | .065"       | <b>B7RWWW-G250200P</b>                          | <b>B7RWWW-R250200P</b>                           |
| 3" x 1½"  | 5.188"     | 2.406" | 3.000" | 1.500" | .065"       | <b>B7RWWW-G300150P</b>                          | <b>B7RWWW-R300150P</b>                           |
| 3" x 2"   | 5.188"     | 2.562" | 3.000" | 2.000" | .065"       | <b>B7RWWW-G300200P</b>                          | <b>B7RWWW-R300200P</b>                           |
| 4" x 2"   | 6.876"     | 3.062" | 4.000" | 2.000" | .083"       | <b>B7RWWW-G400200P</b>                          | <b>B7RWWW-R400200P</b>                           |
| 4" x 3"   | 6.876"     | 3.094" | 4.000" | 3.000" | .083"       | <b>B7RWWW-G400300P</b>                          | <b>B7RWWW-R400300P</b>                           |

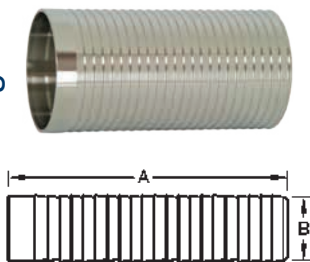


## Weld Adapters


## Long Hose - 14WHRL

## Feature:

- suitable for use with band clamps

Sanitary  
Fittings

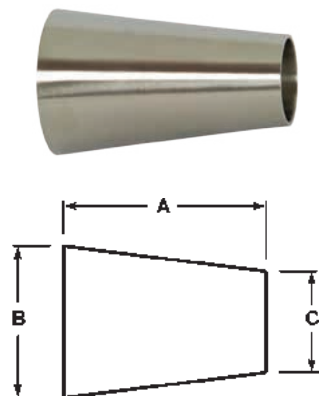
| Tube OD | Dimensions |        | Wall Thickness | 316L Stainless Steel Part # |
|---------|------------|--------|----------------|-----------------------------|
|         | A          | B      |                |                             |
| 1"      | 3.000"     | 1.030" | .116"          | <b>14WHRL-R100</b>          |
| 1½"     | 4.500"     | 1.530" | .116"          | <b>14WHRL-R150</b>          |
| 2"      | 4.500"     | 2.030" | .116"          | <b>14WHRL-R200</b>          |
| 2½"     | 5.000"     | 2.530" | .116"          | <b>14WHRL-R250</b>          |
| 3"      | 5.000"     | 3.030" | .116"          | <b>14WHRL-R300</b>          |
| 4"      | 4.875"     | 4.030" | .116"          | <b>14WHRL-R400</b>          |

Use of PVC tubing requires special installation techniques to prevent leakage. All assembly work must be done with heated tube. Cold durometer is 90 as opposed to rubber hose at 65 to 70 durometer. Banding buckles must be at 180° from one another. 



## Polished Weld Reducers

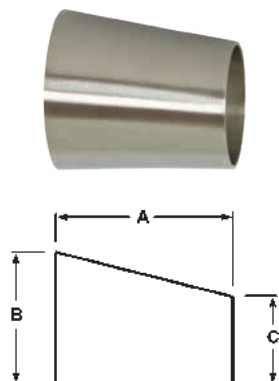
## Concentric - B31W



| Tube OD   | Dimensions |        |        | Wall Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|-----------|------------|--------|--------|----------------|---|--|
|           | A          | B      | C      |                |   |  |
| ¾" x ½"   | 1.000"     | .750"  | .500"  | .065"          | ---   | <b>B31W-R7550P</b>                               |
| 1" x ½"   | 2.000"     | 1.000" | .500"  | .065"          | ---   | <b>B31W-R10050P</b>                              |
| 1" x ¾"   | 1.000"     | 1.000" | .750"  | .065"          | ---   | <b>B31W-R10075P</b>                              |
| 1½" x ¾"  | 3.000"     | 1.500" | .750"  | .065"          | ---   | <b>B31W-R15075P</b>                              |
| 1½" x 1"  | 2.000"     | 1.500" | 1.000" | .065"          | <b>B31W-G150100P</b>                            | <b>B31W-R150100P</b>                             |
| 2" x 1"   | 4.000"     | 2.000" | 1.000" | .065"          | <b>B31W-G200100P</b>                            | <b>B31W-R200100P</b>                             |
| 2" x 1½"  | 2.000"     | 2.000" | 1.500" | .065"          | <b>B31W-G200150P</b>                            | <b>B31W-R200150P</b>                             |
| 2½" x 1½" | 4.000"     | 2.500" | 1.500" | .065"          | <b>B31W-G250150P</b>                            | <b>B31W-R250150P</b>                             |
| 2½" x 2"  | 2.000"     | 2.500" | 2.000" | .065"          | <b>B31W-G250200P</b>                            | <b>B31W-R250200P</b>                             |
| 3" x 1½"  | 6.000"     | 3.000" | 1.500" | .065"          | <b>B31W-G300150P</b>                            | <b>B31W-R300150P</b>                             |
| 3" x 2"   | 4.000"     | 3.000" | 2.000" | .065"          | <b>B31W-G300200P</b>                            | <b>B31W-R300200P</b>                             |
| 3" x 2½"  | 2.000"     | 3.000" | 2.500" | .065"          | <b>B31W-G300250P</b>                            | <b>B31W-R300250P</b>                             |
| 4" x 2"   | 8.000"     | 4.000" | 2.000" | .083"          | <b>B31W-G400200P</b>                            | <b>B31W-R400200P</b>                             |
| 4" x 2½"  | 6.000"     | 4.000" | 2.500" | .083"          | <b>B31W-G400250P</b>                            | <b>B31W-R400250P</b>                             |
| 4" x 3"   | 4.000"     | 4.000" | 3.000" | .083"          | <b>B31W-G400300P</b>                            | <b>B31W-R400300P</b>                             |
| 6" x 3"   | 5.500"     | 6.000" | 3.000" | .109"          | <b>B31W-G600300P</b>                            | <b>B31W-R600300P</b>                             |
| 6" x 4"   | 5.500"     | 6.000" | 4.000" | .109"          | <b>B31W-G600400P</b>                            | <b>B31W-R600400P</b>                             |



## Eccentric - B32W

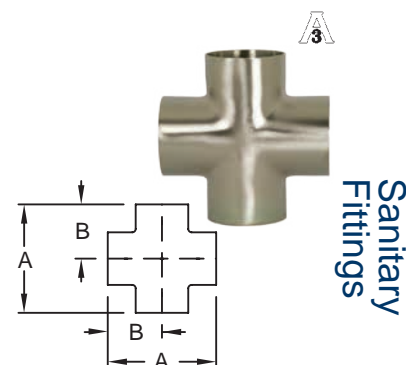


| Tube OD  | Dimensions |        |        | Wall Thickness | Polished ID/OD<br>304 Stainless Steel<br>Part # | Polished ID/OD<br>316L Stainless Steel<br>Part # |
|----------|------------|--------|--------|----------------|---|--|
|          | A          | B      | C      |                |   |  |
| 1" x ½"  | 2.000"     | 1.000" | .500"  | .065"          | ---   | <b>B32W-R10050P</b>                              |
| 2" x 1"  | 4.000"     | 2.000" | 1.000" | .065"          | <b>B32W-G200100P</b>                            | <b>B32W-R200100P</b>                             |
| 2" x 1½" | 2.000"     | 2.000" | 1.500" | .065"          | <b>B32W-G200150P</b>                            | <b>B32W-R200150P</b>                             |
| 2½" x 2" | 2.000"     | 2.500" | 2.000" | .065"          | <b>B32W-G250200P</b>                            | <b>B32W-R250200P</b>                             |
| 3" x 2"  | 4.000"     | 3.000" | 2.000" | .065"          | <b>B32W-G300200P</b>                            | <b>B32W-R300200P</b>                             |
| 3" x 2½" | 2.000"     | 3.000" | 2.500" | .065"          | <b>B32W-G300250P</b>                            | <b>B32W-R300250P</b>                             |
| 4" x 2"  | 8.000"     | 4.000" | 2.000" | .083"          | <b>B32W-G400200P</b>                            | <b>B32W-R400200P</b>                             |
| 4" x 3"  | 4.000"     | 4.000" | 3.000" | .083"          | <b>B32W-G400300P</b>                            | <b>B32W-R400300P</b>                             |

## Polished Weld Crosses

## Crosses - B9WWWW

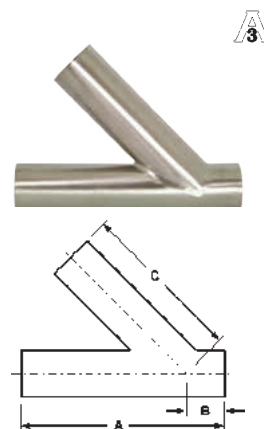
| Tube OD | Dimensions |        | Wall Thickness | Polished ID/OD             | Polished ID/OD              |
|---------|------------|--------|----------------|----------------------------|-----------------------------|
|         | A          | B      |                | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
| 1½"     | 3.312"     | 1.656" | .065"          | <b>B9WWWW-G150P</b>        | <b>B9WWWW-R150P</b>         |
| 2"      | 4.125"     | 2.062" | .065"          | <b>B9WWWW-G200P</b>        | <b>B9WWWW-R200P</b>         |
| 3"      | 5.187"     | 2.593" | .065"          | <b>B9WWWW-G300P</b>        | <b>B9WWWW-R300P</b>         |
| 4"      | 6.875"     | 3.437" | .083"          | <b>B9WWWW-G400P</b>        | <b>B9WWWW-R400P</b>         |



## Miscellaneous Polished Weld Configurations

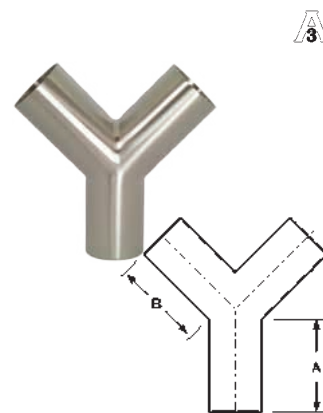
## Laterals - B28WA

| Tube OD | Dimensions |        |         | Wall Thickness | Polished ID/OD              |
|---------|------------|--------|---------|----------------|-----------------------------|
|         | A          | B      | R       |                | 316L Stainless Steel Part # |
| 1"      | 6.000"     | 1.000" | 5.000"  | .065"          | <b>B28WA-R100P</b>          |
| 1½"     | 7.375"     | 1.188" | 6.188"  | .065"          | <b>B28WA-R150P</b>          |
| 2"      | 8.750"     | 1.625" | 7.125"  | .065"          | <b>B28WA-R200P</b>          |
| 2½"     | 10.000"    | 1.500" | 8.500"  | .065"          | <b>B28WA-R250P</b>          |
| 3"      | 10.750"    | 1.875" | 8.875"  | .065"          | <b>B28WA-R300P</b>          |
| 4"      | 12.812"    | 2.015" | 10.750" | .083"          | <b>B28WA-R400P</b>          |



## True Wyes - B28W

| Tube OD | Dimensions |        | Wall Thickness | Polished ID/OD              |
|---------|------------|--------|----------------|-----------------------------|
|         | A          | B      |                | 316L Stainless Steel Part # |
| 1"      | 2.000"     | 2.438" | .065"          | <b>B28W-R100P</b>           |
| 1½"     | 2.000"     | 2.438" | .065"          | <b>B28W-R150P</b>           |
| 2"      | 2.625"     | 3.250" | .065"          | <b>B28W-R200P</b>           |
| 2½"     | 3.370"     | 4.125" | .065"          | <b>B28W-R250P</b>           |
| 3"      | 4.000"     | 4.875" | .065"          | <b>B28W-R300P</b>           |
| 4"      | 5.375"     | 5.375" | .083"          | <b>B28W-R400P</b>           |

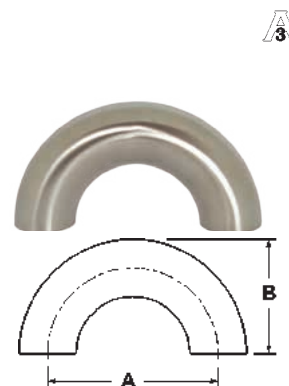


## 180° Return Bends - B2WUL

## Feature:

- bends are standard 1.5 x tube diameter

| Tube OD | Dimensions |        | Polished ID/OD              |
|---------|------------|--------|-----------------------------|
|         | A          | B      | 316L Stainless Steel Part # |
| 1"      | 3.000"     | 2.000" | <b>B2WUL-R100P</b>          |
| 1½"     | 4.500"     | 3.000" | <b>B2WUL-R150P</b>          |
| 2"      | 6.000"     | 4.000" | <b>B2WUL-R200P</b>          |
| 2½"     | 7.500"     | 5.000" | <b>B2WUL-R250P</b>          |
| 3"      | 9.000"     | 6.000" | <b>B2WUL-R300P</b>          |
| 4"      | 12.000"    | 8.000" | <b>B2WUL-R400P</b>          |



## Weld End Blue Protection Covers - BCW

## Feature:

- Use these covers to protect all weld ends on fittings and valves.

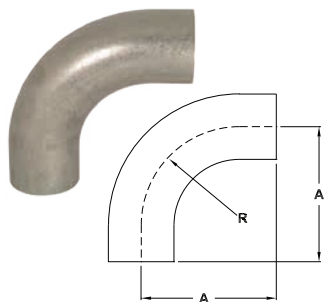
| Size   | Vinyl Plastic Part # |
|--------|----------------------|
| 1/2"   | <b>BCW-050</b>       |
| 3/4"   | <b>BCW-075</b>       |
| 1"     | <b>BCW-100</b>       |
| 1 1/2" | <b>BCW-150</b>       |
| 2"     | <b>BCW-200</b>       |
| 2 1/2" | <b>BCW-250</b>       |
| 3"     | <b>BCW-300</b>       |
| 4"     | <b>BCW-400</b>       |
| 6"     | <b>BCW-600</b>       |
| 8"     | <b>BCW-800</b>       |

Sanitary Fittings



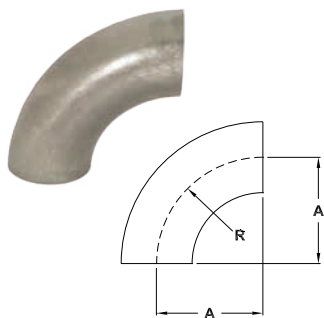
## Unpolished Elbows

## 90° Weld with Tangents - B2S



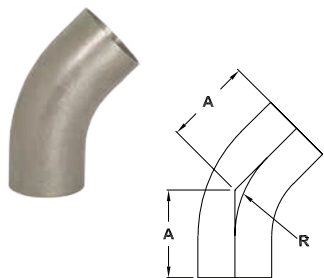
| Tube OD | Dimensions |        | Wall Thickness | Unpolished 304 Stainless Steel Part # | Unpolished 316L Stainless Steel Part # |
|---------|------------|--------|----------------|---------------------------------------|--|
|         | A          | R      |                |                                       |  |
| 3/4"    | 3.000"     | 1.125" | .065"          | ---                                   | <b>B2S-R75U</b>                        |
| 1"      | 2.062"     | 1.500" | .065"          | <b>B2S-G100U</b>                      | <b>B2S-R100U</b>                       |
| 1 1/2"  | 2.937"     | 2.250" | .065"          | <b>B2S-G150U</b>                      | <b>B2S-R150U</b>                       |
| 2"      | 4.062"     | 3.000" | .065"          | <b>B2S-G200U</b>                      | <b>B2S-R200U</b>                       |
| 2 1/2"  | 5.187"     | 3.750" | .065"          | <b>B2S-G250U</b>                      | <b>B2S-R250U</b>                       |
| 3"      | 6.312"     | 4.500" | .065"          | <b>B2S-G300U</b>                      | <b>B2S-R300U</b>                       |
| 4"      | 8.312"     | 6.000" | .083"          | <b>B2S-G400U</b>                      | <b>B2S-R400U</b>                       |

## 90° Weld - B2WCL



| Tube OD | Dimensions |         | Wall Thickness | Unpolished 304 Stainless Steel Part # | Unpolished 316L Stainless Steel Part # |
|---------|------------|---------|----------------|---------------------------------------|--|
|         | A          | R       |                |                                       |  |
| 1/2"    | 1.125"     | 1.125"  | .065"          | ---                                   | <b>B2WCL-R50U</b>                      |
| 3/4"    | 1.125"     | 1.125"  | .065"          | ---                                   | <b>B2WCL-R75U</b>                      |
| 1"      | 1.500"     | 1.500"  | .065"          | <b>B2WCL-G100U</b>                    | <b>B2WCL-R100U</b>                     |
| 1 1/2"  | 2.250"     | 2.250"  | .065"          | <b>B2WCL-G150U</b>                    | <b>B2WCL-R150U</b>                     |
| 2"      | 3.000"     | 3.000"  | .065"          | <b>B2WCL-G200U</b>                    | <b>B2WCL-R200U</b>                     |
| 2 1/2"  | 3.750"     | 3.750"  | .065"          | <b>B2WCL-G250U</b>                    | <b>B2WCL-R250U</b>                     |
| 3"      | 4.500"     | 4.500"  | .065"          | <b>B2WCL-G300U</b>                    | <b>B2WCL-R300U</b>                     |
| 4"      | 6.000"     | 6.000"  | .083"          | <b>B2WCL-G400U</b>                    | <b>B2WCL-R400U</b>                     |
| 6"      | 9.000"     | 9.000"  | .109"          | <b>B2WCL-G600U</b>                    | <b>B2WCL-R600U</b>                     |
| 8"      | 12.000"    | 12.000" | .109"          | <b>B2WCL-G800U</b>                    | <b>B2WCL-R800U</b>                     |

## 45° Long Weld with Tangents - B2KS

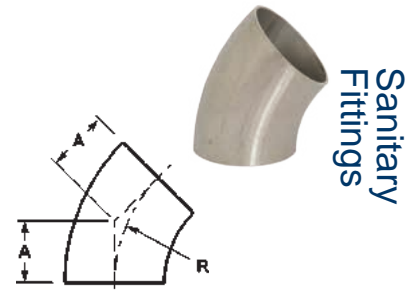


| Tube OD | Dimensions |        | Wall Thickness | Unpolished 304 Stainless Steel Part # | Unpolished 316L Stainless Steel Part # |
|---------|------------|--------|----------------|---------------------------------------|--|
|         | A          | R      |                |                                       |  |
| 3/4"    | 2.250"     | 1.125" | .065"          | ---                                   | <b>B2KS-R75U</b>                       |
| 1"      | 1.188"     | 1.500" | .065"          | <b>B2KS-G100U</b>                     | <b>B2KS-R100U</b>                      |
| 1 1/2"  | 1.625"     | 2.250" | .065"          | <b>B2KS-G150U</b>                     | <b>B2KS-R150U</b>                      |
| 2"      | 2.312"     | 3.000" | .065"          | <b>B2KS-G200U</b>                     | <b>B2KS-R200U</b>                      |
| 2 1/2"  | 3.000"     | 3.750" | .065"          | <b>B2KS-G250U</b>                     | <b>B2KS-R250U</b>                      |
| 3"      | 3.688"     | 4.500" | .065"          | <b>B2KS-G300U</b>                     | <b>B2KS-R300U</b>                      |
| 4"      | 4.812"     | 6.000" | .083"          | <b>B2KS-G400U</b>                     | <b>B2KS-R400U</b>                      |

## Unpolished Elbows

45° Weld - B2WK

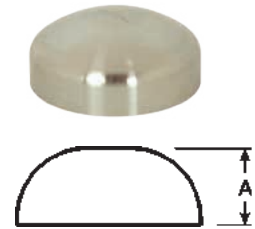
| Tube OD | Dimensions |         | Wall Thickness | Unpolished 304 Stainless Steel Part # | Unpolished 316L Stainless Steel Part # |
|---------|------------|---------|----------------|---------------------------------------|--|
|         | A          | R       |                |                                       |  |
| ¾"      | .466"      | 1.125"  | .065"          | ---                                   | <b>B2WK-R75U</b>                       |
| 1"      | .625"      | 1.500"  | .065"          | <b>B2WK-G100U</b>                     | <b>B2WK-R100U</b>                      |
| 1½"     | .937"      | 2.250"  | .065"          | <b>B2WK-G150U</b>                     | <b>B2WK-R150U</b>                      |
| 2"      | 1.250"     | 3.000"  | .065"          | <b>B2WK-G200U</b>                     | <b>B2WK-R200U</b>                      |
| 2½"     | 1.562"     | 3.750"  | .065"          | <b>B2WK-G250U</b>                     | <b>B2WK-R250U</b>                      |
| 3"      | 1.875"     | 4.500"  | .065"          | <b>B2WK-G300U</b>                     | <b>B2WK-R300U</b>                      |
| 4"      | 2.500"     | 6.000"  | .083"          | <b>B2WK-G400U</b>                     | <b>B2WK-R400U</b>                      |
| 6"      | 3.750"     | 9.000"  | .109"          | <b>B2WK-G600U</b>                     | <b>B2WK-R600U</b>                      |
| 8"      | 5.000"     | 12.000" | .109"          | <b>B2WK-G800U</b>                     | <b>B2WK-R800U</b>                      |



Sanitary Fittings

## Unpolished End Caps - B16W

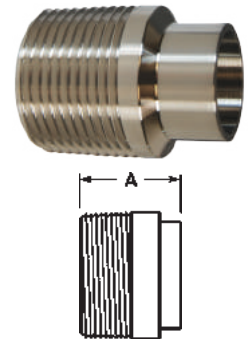
| Tube OD | Dimension A | Unpolished 304 Stainless Steel Part # |
|---------|-------------|---------------------------------------|
| 1"      | .375"       | <b>B16W-G100</b>                      |
| 1½"     | .562"       | <b>B16W-G150</b>                      |
| 2"      | .750"       | <b>B16W-G200</b>                      |
| 2½"     | 1.000"      | <b>B16W-G250</b>                      |
| 3"      | 1.250"      | <b>B16W-G300</b>                      |
| 4"      | 1.500"      | <b>B16W-G400</b>                      |



## Unpolished Adapters

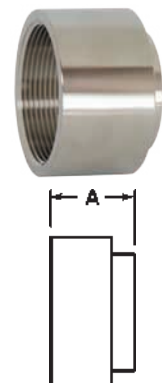
Male NPT x Weld End - B19WB

| Tube OD | Dimension A | Wall Thickness | 304 Stainless Steel Part # |
|---------|-------------|----------------|----------------------------|
| 1"      | 1.750"      | .065"          | <b>B19WB-G100</b>          |
| 1½"     | 1.750"      | .065"          | <b>B19WB-G150</b>          |
| 2"      | 1.812"      | .065"          | <b>B19WB-G200</b>          |
| 2½"     | 2.312"      | .065"          | <b>B19WB-G250</b>          |
| 3"      | 2.500"      | .065"          | <b>B19WB-G300</b>          |
| 4"      | 2.562"      | .083"          | <b>B19WB-G400</b>          |



Female NPT x Weld End - B22WB

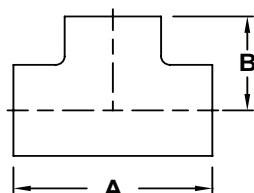
| Tube OD | Dimension A | Wall Thickness | 304 Stainless Steel Part # |
|---------|-------------|----------------|----------------------------|
| 1"      | 1.750"      | .065"          | <b>B22WB-G100</b>          |
| 1½"     | 1.750"      | .065"          | <b>B22WB-G150</b>          |
| 2"      | 1.812"      | .065"          | <b>B22WB-G200</b>          |
| 2½"     | 2.312"      | .065"          | <b>B22WB-G250</b>          |
| 3"      | 2.500"      | .065"          | <b>B22WB-G300</b>          |
| 4"      | 2.500"      | .083"          | <b>B22WB-G400</b>          |





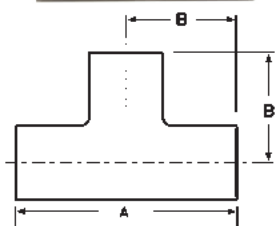
## Unpolished Tees

## Short Weld - B7WWW

Sanitary  
Fittings

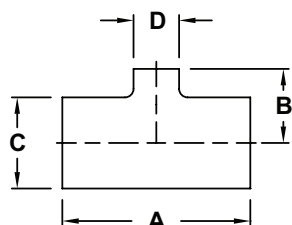
| Tube<br>OD | Dimensions |        | Wall<br>Thickness | Unpolished<br>304 Stainless Steel<br>Part # | Unpolished<br>316L Stainless Steel<br>Part # |
|------------|------------|--------|-------------------|---|--|
|            | A          | B      |                   |   |  |
| 1"         | 2.250"     | 1.125" | .065"             | <b>B7WWW-G100U</b>                          | <b>B7WWW-R100U</b>                           |
| 1½"        | 3.312"     | 1.656" | .065"             | <b>B7WWW-G150U</b>                          | <b>B7WWW-R150U</b>                           |
| 2"         | 4.124"     | 2.062" | .065"             | <b>B7WWW-G200U</b>                          | <b>B7WWW-R200U</b>                           |
| 2½"        | 4.688"     | 2.344" | .065"             | <b>B7WWW-G250U</b>                          | <b>B7WWW-R250U</b>                           |
| 3"         | 5.188"     | 2.594" | .065"             | <b>B7WWW-G300U</b>                          | <b>B7WWW-R300U</b>                           |
| 4"         | 6.876"     | 3.438" | .083"             | <b>B7WWW-G400U</b>                          | <b>B7WWW-R400U</b>                           |

## Long Weld - B7W



| Tube<br>OD | Dimensions |        | Wall<br>Thickness | Unpolished<br>304 Stainless Steel<br>Part # | Unpolished<br>316L Stainless Steel<br>Part # |
|------------|------------|--------|-------------------|---|--|
|            | A          | B      |                   |   |  |
| ¾"         | 4.000"     | 2.000" | .065"             | ---   | <b>B7W-R75U</b>                              |
| 1"         | 3.750"     | 1.875" | .065"             | <b>B7W-G100U</b>                            | <b>B7W-R100U</b>                             |
| 1½"        | 4.500"     | 2.250" | .065"             | <b>B7W-G150U</b>                            | <b>B7W-R150U</b>                             |
| 2"         | 6.000"     | 3.000" | .065"             | <b>B7W-G200U</b>                            | <b>B7W-R200U</b>                             |
| 2½"        | 6.000"     | 3.000" | .065"             | <b>B7W-G250U</b>                            | <b>B7W-R250U</b>                             |
| 3"         | 6.500"     | 3.250" | .065"             | <b>B7W-G300U</b>                            | <b>B7W-R300U</b>                             |
| 4"         | 7.750"     | 3.875" | .083"             | <b>B7W-G400U</b>                            | <b>B7W-R400U</b>                             |

## Reducing Weld - B7RWWW

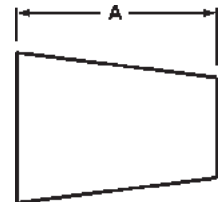


| Tube<br>OD | Dimensions |        |        |        | Wall<br>Thickness | Unpolished<br>304 Stainless Steel<br>Part # | Unpolished<br>316L Stainless Steel<br>Part # |
|------------|------------|--------|--------|--------|-------------------|---|--|
|            | A          | B      | C      | D      |                   |   |  |
| 1½" x 1"   | 3.312"     | 1.375" | 1.500" | 1.000" | .065"             | <b>B7RWWW-G150100U</b>                      | <b>B7RWWW-R150100U</b>                       |
| 2" x 1"    | 4.124"     | 1.625" | 2.000" | 1.000" | .065"             | <b>B7RWWW-G200100U</b>                      | <b>B7RWWW-R200100U</b>                       |
| 2" x 1½"   | 4.124"     | 1.906" | 2.000" | 1.500" | .065"             | <b>B7RWWW-G200150U</b>                      | <b>B7RWWW-R200150U</b>                       |
| 2½" x 1½"  | 4.688"     | 2.156" | 2.500" | 1.500" | .065"             | <b>B7RWWW-G250150U</b>                      | <b>B7RWWW-R250150U</b>                       |
| 2½" x 2"   | 4.688"     | 2.312" | 2.500" | 2.000" | .065"             | <b>B7RWWW-G250200U</b>                      | <b>B7RWWW-R250200U</b>                       |
| 3" x 1½"   | 5.188"     | 2.406" | 3.000" | 1.500" | .065"             | <b>B7RWWW-G300150U</b>                      | <b>B7RWWW-R300150U</b>                       |
| 3" x 2"    | 5.188"     | 2.562" | 3.000" | 2.000" | .065"             | <b>B7RWWW-G300200U</b>                      | <b>B7RWWW-R300200U</b>                       |
| 4" x 2"    | 6.876"     | 3.062" | 4.000" | 2.000" | .083"             | <b>B7RWWW-G400200U</b>                      | <b>B7RWWW-R400200U</b>                       |
| 4" x 3"    | 6.876"     | 3.094" | 4.000" | 3.000" | .083"             | <b>B7RWWW-G400300U</b>                      | <b>B7RWWW-R400300U</b>                       |

## Unpolished Weld Reducers

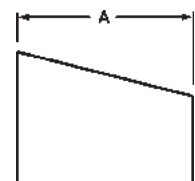
## Concentric - B31W

| Tube OD   | Dimension A | Wall Thickness | Unpolished 304 Stainless Steel Part # | Unpolished 316L Stainless Steel Part # |
|-----------|-------------|----------------|---------------------------------------|--|
| ¾" x ½"   | 1.000"      | .065"          | ---                                   | <b>B31W-R7550U</b>                     |
| 1" x ½"   | 2.000"      | .065"          | ---                                   | <b>B31W-R10050U</b>                    |
| 1" x ¾"   | 1.000"      | .065"          | ---                                   | <b>B31W-R10075U</b>                    |
| 1½" x ¾"  | 3.000"      | .065"          | ---                                   | <b>B31W-R15075U</b>                    |
| 1½" x 1"  | 2.000"      | .065"          | <b>B31W-G150100U</b>                  | <b>B31W-R150100U</b>                   |
| 2" x 1"   | 4.000"      | .065"          | <b>B31W-G200100U</b>                  | <b>B31W-R200100U</b>                   |
| 2" x 1½"  | 2.000"      | .065"          | <b>B31W-G200150U</b>                  | <b>B31W-R200150U</b>                   |
| 2½" x 1½" | 4.000"      | .065"          | <b>B31W-G250150U</b>                  | <b>B31W-R250150U</b>                   |
| 2½" x 2"  | 2.000"      | .065"          | <b>B31W-G250200U</b>                  | <b>B31W-R250200U</b>                   |
| 3" x 1½"  | 6.000"      | .065"          | <b>B31W-G300150U</b>                  | <b>B31W-R300150U</b>                   |
| 3" x 2"   | 4.000"      | .065"          | <b>B31W-G300200U</b>                  | <b>B31W-R300200U</b>                   |
| 3" x 2½"  | 2.000"      | .065"          | <b>B31W-G300250U</b>                  | <b>B31W-R300250U</b>                   |
| 4" x 2"   | 8.000"      | .083"          | <b>B31W-G400200U</b>                  | <b>B31W-R400200U</b>                   |
| 4" x 2½"  | 6.000"      | .083"          | <b>B31W-G400250U</b>                  | <b>B31W-R400250U</b>                   |
| 4" x 3"   | 4.000"      | .083"          | <b>B31W-G400300U</b>                  | <b>B31W-R400300U</b>                   |
| 6" x 4"   | 5.500"      | .109"          | <b>B31W-G600400U</b>                  | <b>B31W-R600400U</b>                   |

Sanitary  
Fittings

## Eccentric - B32W

| Tube OD  | Dimension A | Wall Thickness | Unpolished 304 Stainless Steel Part # | Unpolished 316L Stainless Steel Part # |
|----------|-------------|----------------|---------------------------------------|--|
| 1" x ½"  | 2.000"      | .065"          | ---                                   | <b>B32W-R10050U</b>                    |
| 2" x 1"  | 4.000"      | .065"          | <b>B32W-G200100U</b>                  | <b>B32W-R200100U</b>                   |
| 2" x 1½" | 2.000"      | .065"          | <b>B32W-G200150U</b>                  | <b>B32W-R200150U</b>                   |
| 2½" x 2" | 2.000"      | .065"          | <b>B32W-G250200U</b>                  | <b>B32W-R250200U</b>                   |
| 3" x 2"  | 4.000"      | .065"          | <b>B32W-G300200U</b>                  | <b>B32W-R300200U</b>                   |
| 3" x 2½" | 2.000"      | .065"          | <b>B32W-G300250U</b>                  | <b>B32W-R300250U</b>                   |
| 4" x 2"  | 8.000"      | .083"          | <b>B32W-G400200U</b>                  | <b>B32W-R400200U</b>                   |
| 4" x 3"  | 4.000"      | .083"          | <b>B32W-G400300U</b>                  | <b>B32W-R400300U</b>                   |

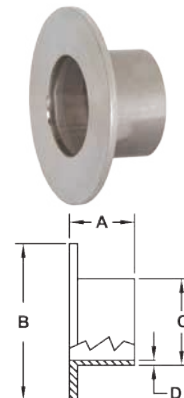


## Unpolished Type A Stub Ends - 14VB

## Application:

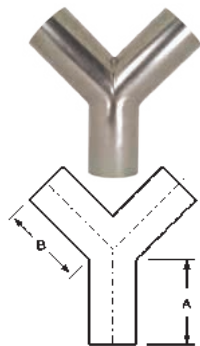
- typically used with B38SL flanges

| Tube OD | Dimensions |         |        |       | 316L Stainless Steel Part # |
|---------|------------|---------|--------|-------|-----------------------------|
|         | A          | B       | C      | D     |                             |
| 1"      | 1.625"     | 2.000"  | 1.000" | .065" | <b>14VB-R100</b>            |
| 1½"     | 1.750"     | 2.875"  | 1.500" | .065" | <b>14VB-R150</b>            |
| 2"      | 1.500"     | 3.625"  | 2.000" | .065" | <b>14VB-R200</b>            |
| 2½"     | 2.000"     | 4.125"  | 2.500" | .065" | <b>14VB-R250</b>            |
| 3"      | 2.250"     | 5.000"  | 3.000" | .065" | <b>14VB-R300</b>            |
| 4"      | 2.625"     | 6.187"  | 4.000" | .083" | <b>14VB-R400</b>            |
| 6"      | 3.000"     | 8.500"  | 6.000" | .109" | <b>14VB-R600</b>            |
| 8"      | 3.000"     | 10.625" | 8.000" | .109" | <b>14VB-R800</b>            |



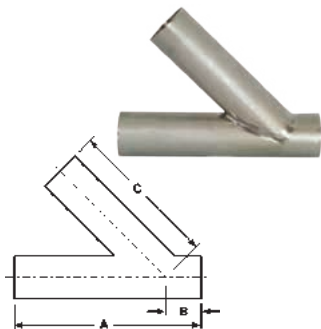
## Unpolished Miscellaneous Configurations

### Weld True Wyes - B28W

Sanitary  
Fittings

| Tube OD | Dimensions |        | Wall Thickness | Unpolished<br>316L Stainless Steel<br>Part # |
|---------|------------|--------|----------------|--|
|         | A          | B      |                |  |
| 1"      | 2.000"     | 2.438" | .065"          | <b>B28W-R100U</b>                            |
| 1½"     | 2.000"     | 2.438" | .065"          | <b>B28W-R150U</b>                            |
| 2"      | 2.625"     | 3.250" | .065"          | <b>B28W-R200U</b>                            |
| 2½"     | 3.370"     | 4.125" | .065"          | <b>B28W-R250U</b>                            |
| 3"      | 4.000"     | 4.875" | .065"          | <b>B28W-R300U</b>                            |
| 4"      | 5.375"     | 5.375" | .083"          | <b>B28W-R400U</b>                            |

### Weld Laterals - B28WA

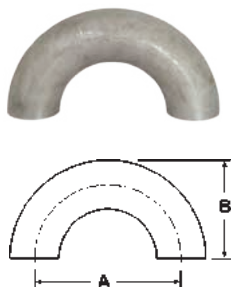


| Tube OD | Dimensions |        |         | Wall Thickness | Unpolished<br>316L Stainless Steel<br>Part # |
|---------|------------|--------|---------|----------------|--|
|         | A          | B      | R       |                |  |
| 1"      | 6.000"     | 1.000" | 5.000"  | .065"          | <b>B28WA-R100U</b>                           |
| 1½"     | 7.375"     | 1.188" | 6.188"  | .065"          | <b>B28WA-R150U</b>                           |
| 2"      | 8.750"     | 1.625" | 7.125"  | .065"          | <b>B28WA-R200U</b>                           |
| 2½"     | 10.000"    | 1.500" | 8.500"  | .065"          | <b>B28WA-R250U</b>                           |
| 3"      | 10.750"    | 1.875" | 8.875"  | .065"          | <b>B28WA-R300U</b>                           |
| 4"      | 12.812"    | 2.015" | 10.750" | .083"          | <b>B28WA-R400U</b>                           |

### Weld 180° Return Bends - B2WUL

#### Feature:

- bends are standard 1.5 x tube diameter



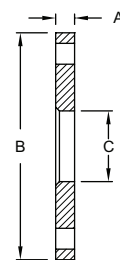
| Tube OD | Dimensions |        | Wall Thickness | Unpolished<br>316L Stainless Steel<br>Part # |
|---------|------------|--------|----------------|--|
|         | A          | B      |                |  |
| 1"      | 3.000"     | 2.000" | .065"          | <b>B2WUL-R100U</b>                           |
| 1½"     | 4.500"     | 3.000" | .065"          | <b>B2WUL-R150U</b>                           |
| 2"      | 6.000"     | 4.000" | .065"          | <b>B2WUL-R200U</b>                           |
| 3"      | 9.000"     | 6.000" | .065"          | <b>B2WUL-R300U</b>                           |
| 4"      | 12.000"    | 8.000" | .083"          | <b>B2WUL-R400U</b>                           |

See page 610 for weld end protection covers.

## Unpolished - Flanges

## Slip-On 150# - B38SL

| Tube OD | Dimensions |         |        | Number / Diameter Bolt Holes | Bolt Circle | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---------|------------|---------|--------|------------------------------|-------------|----------------------------|-----------------------------|
|         | A          | B       | C      |                              |             |                            |                             |
| 1"      | .375"      | 4.250"  | 1.063" | 4/.625"                      | 3.125"      | <b>B38SL-G100</b>          | <b>B38SL-R100</b>           |
| 1½"     | .375"      | 5.000"  | 1.563" | 4/.625"                      | 3.875"      | <b>B38SL-G150</b>          | <b>B38SL-R150</b>           |
| 2"      | .437"      | 6.000"  | 2.063" | 4/.750"                      | 4.750"      | <b>B38SL-G200</b>          | <b>B38SL-R200</b>           |
| 3"      | .500"      | 7.500"  | 3.063" | 4/.750"                      | 6.000"      | <b>B38SL-G300</b>          | <b>B38SL-R300</b>           |
| 4"      | .562"      | 9.000"  | 4.063" | 8/.750"                      | 7.500"      | <b>B38SL-G400</b>          | <b>B38SL-R400</b>           |
| 6"      | .562"      | 11.000" | 6.063" | 8/.875"                      | 9.500"      | <b>B38SL-G600</b>          | <b>B38SL-R600</b>           |
| 8"      | .562"      | 13.500" | 8.063" | 8/.875"                      | 11.750"     | <b>B38SL-G800</b>          | <b>B38SL-R800</b>           |

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## Weld Neck - B38W

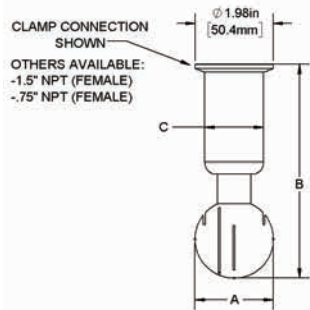
| Tube OD | Dimensions |         |        |       | Number / Diameter Bolt Holes | Bolt Circle | 316L Stainless Steel Part # |
|---------|------------|---------|--------|-------|------------------------------|-------------|-----------------------------|
|         | A          | B       | C      | D     |                              |             |                             |
| 1"      | .375"      | 4.250"  | 1.000" | .500" | 4/.625"                      | 3.125"      | <b>B38W-R100</b>            |
| 1½"     | .375"      | 5.000"  | 1.500" | .500" | 4/.625"                      | 3.875"      | <b>B38W-R150</b>            |
| 2"      | .500"      | 6.000"  | 2.000" | .625" | 4/.750"                      | 4.750"      | <b>B38W-R200</b>            |
| 2½"     | .500"      | 7.000"  | 2.500" | .625" | 4/.750"                      | 5.500"      | <b>B38W-R250</b>            |
| 3"      | .500"      | 7.500"  | 3.000" | .625" | 4/.750"                      | 6.000"      | <b>B38W-R300</b>            |
| 4"      | .500"      | 9.000"  | 4.000" | .625" | 8/.750"                      | 7.500"      | <b>B38W-R400</b>            |
| 6"      | .500"      | 11.000" | 6.000" | .625" | 8/.875"                      | 9.500"      | <b>B38W-R600</b>            |
| 8"      | .500"      | 13.500" | 8.000" | .625" | 8/.875"                      | 11.750"     | <b>B38W-R800</b>            |



- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## Spray Balls

## Rotating - SRH

**Application:**

- ideal for cleaning all types of tanks and vessels

**Features:**

- stainless steel ball bearings eliminate rust
- cleaning solution lubricates unit
- mirror-like finish (OD)
- spray pattern: 360°
- available connections: clamp and NPT

| Size   | Type  | 304 Stainless Steel<br>Part # | 316L Stainless Steel<br>Part # |
|--------|-------|-------------------------------|--------------------------------|
| 3/4"   | NPT   | <b>SRH360NPT-G075</b>         | ---                            |
| 1 1/2" | NPT   | ---                           | <b>SRH360NPT-R150</b>          |
| 1 1/2" | clamp | <b>SRH360CMP-G150</b>         | <b>SRH360CMP-R150</b>          |

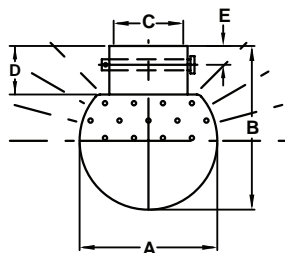
## Stationary - STC

**Application:**

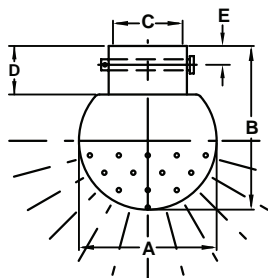
- typically used in food and beverage industries for cleaning storage tanks

**Features:**

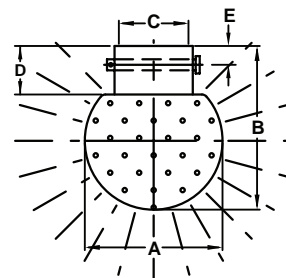
- heavy duty 316L stainless steel construction provides longer life
- stationary - designed to be mounted to a tube or pipe
- 2 mm spray holes
- various spray patterns available (blanks available as special order)



180° Top Pattern



180° Bottom Pattern



360° Pattern

| Size   | Pin Length | Spray Pattern | Dimensions |       |        |        |       | Pin Size | 316L Stainless Steel<br>Part # |
|--------|------------|---------------|------------|-------|--------|--------|-------|----------|--------------------------------|
| 1"     | 1.47"      | 360°          | 2.50"      | 3.04" | 1.005" | .975"  | .445" | .226"    | <b>STC-360-R100</b>            |
| 1 1/2" | 1.95"      | 360°          | 2.95"      | 3.55" | 1.505" | 1.050" | .445" | .226"    | <b>STC-360-R150</b>            |
| 1"     | 1.47"      | 180° bottom   | 3.54"      | 2.95" | 1.005" | .975"  | .445" | .226"    | <b>STC-180B-R100</b>           |
| 1 1/2" | 1.95"      | 180° bottom   | 3.54"      | 2.95" | 1.505" | .975"  | .445" | .226"    | <b>STC-180B-R150</b>           |
| 1"     | 1.47"      | 180° top      | 3.54"      | 2.95" | 1.005" | .975"  | .445" | .226"    | <b>STC-180T-R100</b>           |
| 1 1/2" | 1.95"      | 180° top      | 3.54"      | 2.95" | 1.505" | .975"  | .445" | .226"    | <b>STC-180T-R150</b>           |

## Repair Kits

Repair kit contains:

- (1) pin
- (1) R clip

| Size   | Part #           |
|--------|------------------|
| 1"     | <b>STC-RK100</b> |
| 1 1/2" | <b>STC-RK150</b> |

## Sight Glasses

## Features:

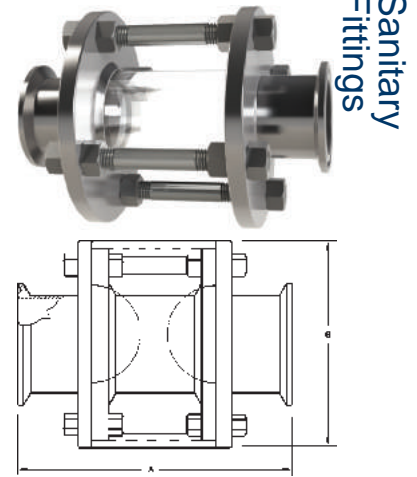
- 1" - 6" OD tube
- body: 316L stainless steel
- sight glass: Borosilicate glass or polycarbonate
- gaskets: white Buna or FKM
- 32R<sub>a</sub> sanitary finish, ID and OD

## In-line - B54BMP

## Features:

- various end configurations are available: clamp, weld, bevel seat, John Perry, I-Line and Q-Line
- maximum temperature: **200°F (93°C)**

| Tube OD | A      | B      | Working Pressure (PSI) | 316L Stainless Steel<br>Borosilicate Glass<br>Part Number | 316 Stainless Steel<br>Polycarbonate<br>Part Number |
|---------|--------|--------|------------------------|---|---|
| 1"      | 5.625" | 3.250" | <b>145</b>             | <b>B54BMP-R100</b>  | <b>B54BMP-R100LX</b>                                |
| 1½"     | 5.625" | 4.000" | <b>145</b>             | <b>B54BMP-R150</b>  | <b>B54BMP-R150LX</b>                                |
| 2"      | 5.625" | 4.250" | <b>145</b>             | <b>B54BMP-R200</b>  | <b>B54BMP-R200LX</b>                                |
| 2½"     | 6.125" | 4.750" | <b>120</b>             | <b>B54BMP-R250</b>  | <b>B54BMP-R250LX</b>                                |
| 3"      | 7.250" | 5.500" | <b>120</b>             | <b>B54BMP-R300</b>  | <b>B54BMP-R300LX</b>                                |
| 4"      | 7.375" | 6.500" | <b>95</b>              | <b>B54BMP-R400</b>  | <b>B54BMP-R400LX</b>                                |
| 6"      | 7.625" | 9.500" | <b>80</b>              | <b>B54BMP-R600</b>  | <b>B54BMP-R600LX</b>                                |



## Kits and Replacement Parts

| Size | Buna Seal Kit<br>Part Number | FKM Seal Kit<br>Part Number | Borosilicate Glass<br>Replacement<br>Part Number | Polycarbonate<br>Replacement<br>Part Number |
|------|------------------------------|-----------------------------|--|---|
| 1"   | <b>B54BMP-SK100</b>          | <b>B54BMP-VK100</b>         | <b>B54G-P100</b>                                 | <b>B54BMP-LX100</b>                         |
| 1½"  | <b>B54BMP-SK150</b>          | <b>B54BMP-VK150</b>         | <b>B54G-P150</b>                                 | <b>B54BMP-LX150</b>                         |
| 2"   | <b>B54BMP-SK200</b>          | <b>B54BMP-VK200</b>         | <b>B54G-P200</b>                                 | <b>B54BMP-LX200</b>                         |
| 2½"  | <b>B54BMP-SK250</b>          | <b>B54BMP-VK250</b>         | <b>B54G-P250</b>                                 | <b>B54BMP-LX250</b>                         |
| 3"   | <b>B54BMP-SK300</b>          | <b>B54BMP-VK300</b>         | <b>B54G-P300</b>                                 | <b>B54BMP-LX300</b>                         |
| 4"   | <b>B54BMP-SK400</b>          | <b>B54BMP-VK400</b>         | <b>B54G-P400</b>                                 | <b>B54BMP-LX400</b>                         |
| 6"   | <b>B54BMP-SK600</b>          | <b>B54BMP-VK600</b>         | <b>B54G-P600</b>                                 | <b>B54BMP-LX600</b>                         |

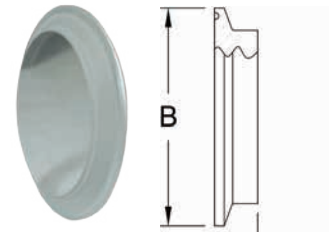
Seal kit contains: (2) white Buna gaskets

## End Caps - B5416MP

## Feature:

- for use on any line with a clamp and gasket
- maximum temperature: **150°F (66°C)**
- maximum operating pressure: **100 PSI**

| Tube OD  | A     | B      | Acrylic Plastic<br>Part Number |
|----------|-------|--------|--------------------------------|
| 1" - 1½" | .438" | 1.984" | <b>B5416MP-A100150</b>         |
| 2"       | .438" | 2.516" | <b>B5416MP-A200</b>            |
| 2½"      | .438" | 3.047" | <b>B5416MP-A250</b>            |
| 3"       | .438" | 3.579" | <b>B5416MP-A300</b>            |
| 4"       | .438" | 4.682" | <b>B5416MP-A400</b>            |
| 6"       | .438" | 6.562" | <b>B5416MP-A600</b>            |





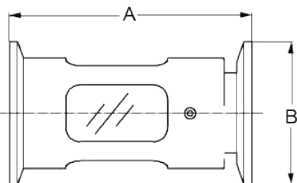
## Compact Sight Glasses

**Applications:**

- Used widely in the food, dairy and beverage sanitary processes to view products and fluids.

**Features:**

- design perfect for hoses
- easier to clean than bolted styles
- less cost to repair than bolted styles
- clamp connections standard

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| Tube OD | Dimensions |        | 316 Stainless Steel<br>Polycarbonate<br>Part # | 316 Stainless Steel<br>Borosilicate Glass<br>Part # |
|---------|------------|--------|--|---|
|         | A          | B      |  |   |
| 1"      | 3.375"     | 1.985" | <b>B54BMPLX-R100</b>                           | <b>B54BMPS-R100</b>                                 |
| 1½"     | 3.640"     | 1.985" | <b>B54BMPLX-R150</b>                           | <b>B54BMPS-R150</b>                                 |
| 2"      | 3.830"     | 2.516" | <b>B54BMPLX-R200</b>                           | <b>B54BMPS-R200</b>                                 |
| 3"      | 4.130"     | 3.579" | <b>B54BMPLX-R300</b>                           | <b>B54BMPS-R300</b>                                 |
| 4"      | 4.340"     | 4.682" | <b>B54BMPLX-R400</b>                           | <b>B54BMPS-R400</b>                                 |

**Seal Kits**

| Size | Buna Seal Kit<br>Part Number | FKM Seal Kit<br>Part Number |
|------|------------------------------|-----------------------------|
| 1"   | <b>B54BMP-SK100</b>          | <b>B54BMP-VK100</b>         |
| 1½"  | <b>B54BMP-SK150</b>          | <b>B54BMP-VK150</b>         |
| 2"   | <b>B54BMP-SK200</b>          | <b>B54BMP-VK200</b>         |
| 3"   | <b>B54BMP-SK300</b>          | <b>B54BMP-VK300</b>         |
| 4"   | <b>B54BMP-SK400</b>          | <b>B54BMP-VK400</b>         |

**Replacement Glasses**

| Size | Polycarbonate Replacement<br>Part Number | Borosilicate Glass Replacement<br>Part Number |
|------|--|---|
| 1"   | <b>B54BMP-LX100</b>                      | <b>B54BMP-GL100</b>                           |
| 1½"  | <b>B54BMP-LX150</b>                      | <b>B54BMP-GL150</b>                           |
| 2"   | <b>B54BMP-LX200</b>                      | <b>B54BMP-GL200</b>                           |
| 3"   | <b>B54BMP-LX300</b>                      | <b>B54BMP-GL300</b>                           |
| 4"   | <b>B54BMP-LX400</b>                      | <b>B54BMP-GL400</b>                           |

## Swivels

## Features:

- available in clamp and weld configurations
- elastomers: silicone and PTFE standard, optional elastomers available
- finish: sanitary finish ID and OD

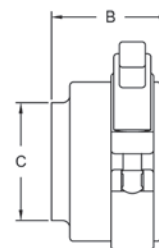
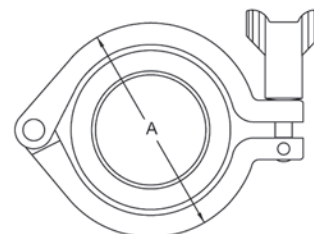
## straight clamp - style 20

| Size | Dimensions |       |       | Pressure Rating   | Pressure Rating     | 316L Stainless Steel<br>Part # |
|------|------------|-------|-------|-------------------|---------------------|--------------------------------|
|      | A          | B     | C     | PSI @ 70°F (21°C) | PSI @ 250°F (121°C) |                                |
| 1"   | 2.56"      | 3.00" | 1.00" | 500               | 300                 | <i>SJSS100CC-20</i>            |
| 1½"  | 2.56"      | 3.00" | 1.50" | 500               | 300                 | <i>SJSS150CC-20</i>            |
| 2"   | 3.09"      | 3.00" | 2.00" | 450               | 250                 | <i>SJSS200CC-20</i>            |
| 2½"  | 3.44"      | 3.00" | 2.50" | 400               | 200                 | <i>SJSS250CC-20</i>            |
| 3"   | 3.94"      | 3.00" | 3.00" | 350               | 175                 | <i>SJSS300CC-20</i>            |
| 4"   | 5.08"      | 4.19" | 4.00" | 300               | 150                 | <i>SJSS400CC-20</i>            |

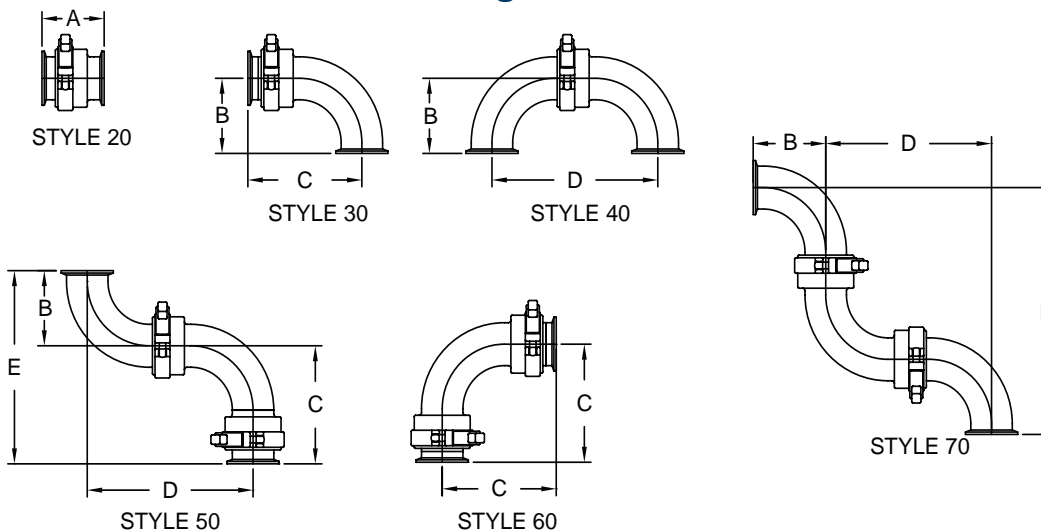
## straight weld connection - style 20

| Size | Dimensions |       |       | Pressure Rating   | Pressure Rating     | 316L Stainless Steel<br>Part # |
|------|------------|-------|-------|-------------------|---------------------|--------------------------------|
|      | A          | B     | C     | PSI @ 70°F (21°C) | PSI @ 250°F (121°C) |                                |
| 1"   | 2.56"      | 2.00" | 1.00" | 500               | 300                 | <i>SJSS100BB-20</i>            |
| 1½"  | 2.56"      | 2.00" | 1.50" | 500               | 300                 | <i>SJSS150BB-20</i>            |
| 2"   | 3.09"      | 2.00" | 2.00" | 450               | 250                 | <i>SJSS200BB-20</i>            |
| 2½"  | 3.44"      | 2.00" | 2.50" | 400               | 200                 | <i>SJSS250BB-20</i>            |
| 3"   | 3.94"      | 2.00" | 3.00" | 350               | 175                 | <i>SJSS300BB-20</i>            |
| 4"   | 5.08"      | 2.94" | 4.00" | 300               | 150                 | <i>SJSS400BB-20</i>            |

- dimensional information can be found at [dixonvalve.com](http://dixonvalve.com)

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## Configurations



## Clamp Joint Dimensions

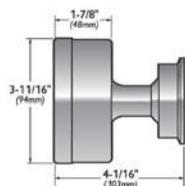
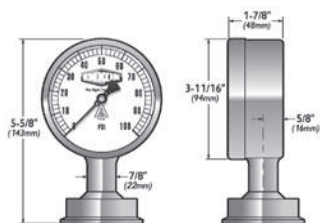
| Size | A     | B     | C     | D      | E      | F      | Part Number        |
|------|-------|-------|-------|--------|--------|--------|--------------------|
| 1"   | 3.00" | 2.00" | 4.00" | 5.00"  | 6.00"  | 7.00"  | <i>SJSS100CC-*</i> |
| 1½"  | 3.00" | 2.75" | 4.75" | 6.50"  | 7.50"  | 9.25"  | <i>SJSS150CC-*</i> |
| 2"   | 3.00" | 3.50" | 5.50" | 8.00"  | 9.00"  | 11.50" | <i>SJSS200CC-*</i> |
| 2½"  | 3.00" | 4.25" | 6.25" | 9.50"  | 10.50" | 13.75" | <i>SJSS250CC-*</i> |
| 3"   | 3.00" | 5.00" | 7.00" | 11.00" | 12.00" | 16.00" | <i>SJSS300CC-*</i> |
| 4"   | 5.19" | 6.63" | 9.63" | 14.94" | 15.94" | 21.56" | <i>SJSS400CC-*</i> |

\* For all other styles, please contact Dixon Sanitary 800.789.1718

## Sanitary 3½" Pressure Gauges

## Features:

- accuracy:  $\pm 1.5\%$  of full scale
- over range capacity: 30%
- wetted surfaces: 316L stainless steel
- surface finishes (wetted parts):  $R_a$  max = 25 microinches
- case material: 304 stainless steel
- dial size: 3½"
- lens material: polycarbonate
- temperature range: 0°F (-18°C) to 250°F (121°C)
- standard fill: food grade glycerin
- rezero feature: standard on pointer
- shipping weight: approximately 3 lbs. (1.3 kg)

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Fittings

3½"

| Dial Size | Clamp Size | Pressure Range (PSI) | Mount  | 316L Stainless Steel Part # |
|-----------|------------|----------------------|--------|-----------------------------|
| 3½"       | 1½"        | 0-30                 | bottom | 3S-B-15U-GFBTSS             |
|           | 1½"        | 0-60                 | bottom | 3S-C-15U-GFBTSS             |
|           | 1½"        | 0-100                | bottom | 3S-D-15U-GFBTSS             |
|           | 1½"        | 0-160                | bottom | 3S-E-15U-GFBTSS             |
|           | 1½"        | 0-200                | bottom | 3S-F-15U-GFBTSS             |
|           | 1½"        | 0-300                | bottom | 3S-G-15U-GFBTSS             |
|           | 1½"        | 0-30                 | back   | 3S-B-15U-GFBKSS             |
|           | 1½"        | 0-60                 | back   | 3S-C-15U-GFBKSS             |
|           | 1½"        | 0-100                | back   | 3S-D-15U-GFBKSS             |
|           | 1½"        | 0-160                | back   | 3S-E-15U-GFBKSS             |
|           | 1½"        | 0-200                | back   | 3S-F-15U-GFBKSS             |
|           | 1½"        | 0-300                | back   | 3S-G-15U-GFBKSS             |
|           | 2"         | 0-30                 | bottom | 3S-B-2U-GFBTSS              |
|           | 2"         | 0-60                 | bottom | 3S-C-2U-GFBTSS              |
|           | 2"         | 0-100                | bottom | 3S-D-2U-GFBTSS              |
|           | 2"         | 0-160                | bottom | 3S-E-2U-GFBTSS              |
|           | 2"         | 0-200                | bottom | 3S-F-2U-GFBTSS              |
|           | 2"         | 0-300                | bottom | 3S-G-2U-GFBTSS              |
|           | 2"         | 0-30                 | back   | 3S-B-2U-GFBKSS              |
|           | 2"         | 0-60                 | back   | 3S-C-2U-GFBKSS              |
|           | 2"         | 0-100                | back   | 3S-D-2U-GFBKSS              |
|           | 2"         | 0-160                | back   | 3S-E-2U-GFBKSS              |
|           | 2"         | 0-200                | back   | 3S-F-2U-GFBKSS              |
|           | 2"         | 0-300                | back   | 3S-G-2U-GFBKSS              |

## Strainers

## In-line - BSCCQ

## Features:

- ships standard with: spring, distributor cap, clamp gasket, 1/4" perforated back-up tube, squeeze clamp, inlet and outlet bodies
- must be vertically mounted to be 3A compliant
- bevel seat, I-line and weld ends available, call Dixon® for information
- 1/8" perforated back-up tube available, must specify when ordering (not 3A)

## short

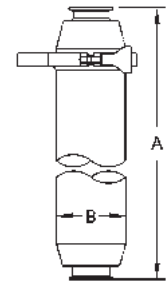
| Size | Dimensions |       | 316L Stainless Steel<br>Part # |
|------|------------|-------|--------------------------------|
|      | A          | B     |                                |
| 1"   | 15.75"     | 4.00" | <b>BSCCQ1-R100</b>             |
| 1½"  | 15.75"     | 4.00" | <b>BSCCQ1-R150</b>             |
| 2"   | 15.75"     | 4.00" | <b>BSCCQ1-R200</b>             |
| 2½"  | 15.75"     | 4.50" | <b>BSCCS1-R250</b>             |
| 3"   | 15.75"     | 4.50" | <b>BSCCS1-R300</b>             |

## long

| Size | Dimensions |       | 316L Stainless Steel<br>Part # |
|------|------------|-------|--------------------------------|
|      | A          | B     |                                |
| 1½"  | 35.375"    | 4.00" | <b>BSCCQ2-R150</b>             |
| 2"   | 35.375"    | 4.00" | <b>BSCCQ2-R200</b>             |
| 3"   | 35.375"    | 4.50" | <b>BSCCS2-R300</b>             |



short

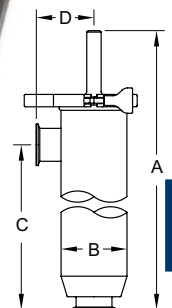
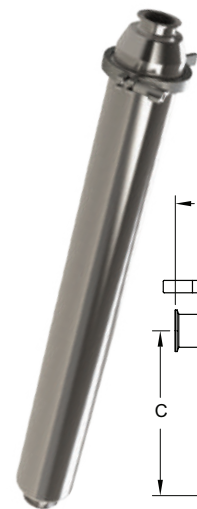
Sanitary  
Fittings

## Side-Entry - BSCCQ

## Features:

- ships standard with: spring, end cap with handle, distributor cap, clamp gasket, 1/4" perforated back-up tube, body and squeeze clamp
- serviceable without removing from the line
- must be a vertically mounted to be 3A compliant
- bevel seat, I-line and weld ends available, call Dixon® for information
- 1/8" perforated back-up tube available, must specify when ordering (not 3A certified)

| Size | Dimensions |       |        |       | 316L Stainless Steel<br>Part # |
|------|------------|-------|--------|-------|--------------------------------|
|      | A          | B     | C      | D     |                                |
| 1½"  | 41.90"     | 4.00" | 35.00" | 3.50" | <b>BSCCQ3-R150</b>             |
| 2"   | 41.90"     | 4.00" | 35.00" | 3.50" | <b>BSCCQ3-R200</b>             |
| 3"   | 41.90"     | 4.50" | 35.00" | 3.75" | <b>BSCCQ3-R300</b>             |

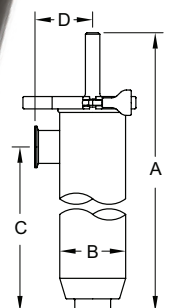
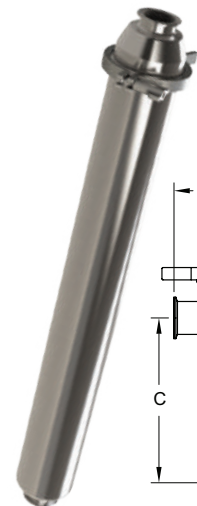


## Side-Outlet Reverse - BSCCQ

## Features:

- ships standard with: spring, end cap with handle, distributor cap, clamp gasket, 1/4" perforated back-up tube, body and squeeze clamp
- 1/8" perforated back-up tube available (not 3A certified)
- bevel seat, I-line and weld ends available, call Dixon® for information
- can be serviced in-line

| Size | Dimensions |       |        |       | 316L Stainless Steel<br>Part # |
|------|------------|-------|--------|-------|--------------------------------|
|      | A          | B     | C      | D     |                                |
| 1½"  | 41.90"     | 4.00" | 35.00" | 3.50" | <b>BSCCQ4-R150</b>             |
| 2"   | 41.90"     | 4.00" | 35.00" | 3.50" | <b>BSCCQ4-R200</b>             |
| 3"   | 41.90"     | 4.50" | 35.00" | 3.75" | <b>BSCCQ4-R300</b>             |



## Strainers

## Filters

## Features:

- filter medium are special order and minimum quantities apply, not included with base unit
- filters require retaining ring

## short

| Size     | Micron Rating | Description   | Part #               |
|----------|---------------|---|----------------------|
| 1" - 2"  | 38            | nonwoven rayon (glued seam)                           | <b>BF30A-100-200</b> |
| 2½" - 3" | 38            | nonwoven rayon (glued seam)                           | <b>BF30A-250-300</b> |
| 1" - 2"  | 513           | woven knapped cotton flannel                          | <b>BF30B-100-200</b> |
| 2½" - 3" | 513           | woven knapped cotton flannel                          | <b>BF30B-250-300</b> |
| 1" - 2"  | 300           | cheese cloth, single thickness cotton                 | <b>BF30C-100-200</b> |
| 2½" - 3" | 300           | cheese cloth, single thickness cotton                 | <b>BF30C-250-300</b> |
| 1" - 2"  | 765           | nylon, 26/29 mesh, rectangular opening, (.025 x .030) | <b>BF30D-100-200</b> |
| 2½" - 3" | 765           | nylon, 26/29 mesh, rectangular opening, (.025 x .030) | <b>BF30D-250-300</b> |
| 1" - 2"  | 40-42         | nonwoven rayon  | <b>BF30E-100-200</b> |
| 2½" - 3" | 40-42         | nonwoven rayon  | <b>BF30E-250-300</b> |
| 1" - 2"  | 40            | nonwoven rayon  | ---                  |
| 1" - 2"  | 420           | woven nylon, 40 mesh                                  | <b>BF30G-100-200</b> |
| 2½" - 3" | 420           | woven nylon, 40 mesh                                  | <b>BF30G-250-300</b> |

## long

| Size     | Micron Rating | Description          | Part #                |
|----------|---------------|----------------------|-----------------------|
| 1" - 2"  | 40-42         | nonwoven rayon       | <b>BF302E-100-200</b> |
| 2½" - 3" | 40-42         | nonwoven rayon       | <b>BF302E-250-300</b> |
| 2½" - 3" | 420           | woven nylon, 40 mesh | <b>BF302G-250-300</b> |

## 316 Stainless Wire Cloth Mesh Over Screens

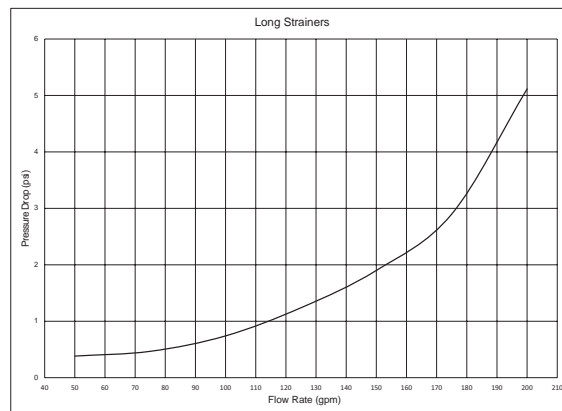
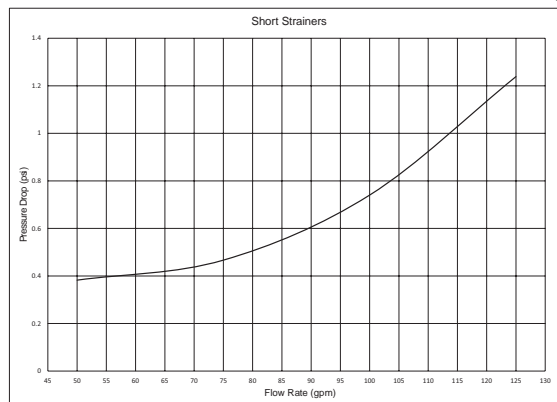
## Features:

- not all sizes are stocked, additional sizes are available (5 piece minimum), call Dixon®
- not 3A compatible, not included with base unit

| Size     | Micron Rating | Square Mesh | Space Between Wires | Percent of Open Area | Short Part #         | Long Part #           |
|----------|---------------|-------------|---------------------|----------------------|----------------------|-----------------------|
| 1" - 2"  | 864           | 20          | 0.034"              | 46.2                 | <b>BS20-100-200</b>  | <b>BS202-100-200</b>  |
| 2½" - 3" | 864           | 20          | 0.034"              | 46.2                 | <b>BS20-250-300</b>  | <b>BS202-250-300</b>  |
| 1" - 2"  | 381           | 40          | 0.015"              | 36.0                 | <b>BS40-100-200</b>  | <b>BS402-100-200</b>  |
| 2½" - 3" | 381           | 40          | 0.015"              | 36.0                 | <b>BS40-250-300</b>  | <b>BS402-250-300</b>  |
| 1" - 2"  | 229           | 60          | 0.009"              | 30.3                 | <b>BS60-100-200</b>  | <b>BS602-100-200</b>  |
| 2½" - 3" | 229           | 60          | 0.009"              | 30.3                 | <b>BS60-250-300</b>  | <b>BS602-250-300</b>  |
| 1" - 2"  | 178           | 80          | 0.007"              | 31.4                 | <b>BS80-100-200</b>  | <b>BS802-100-200</b>  |
| 2½" - 3" | 178           | 80          | 0.007"              | 31.4                 | <b>BS80-250-300</b>  | <b>BS802-250-300</b>  |
| 1" - 2"  | 140           | 100         | 0.006"              | 30.3                 | <b>BS100-100-200</b> | <b>BS1002-100-200</b> |
| 2½" - 3" | 140           | 100         | 0.006"              | 30.3                 | <b>BS100-250-300</b> | <b>BS1002-250-300</b> |

## Pressure Drop Curves for Filter and Strainer

- water at ambient temperature
- maximum flow for short units is 125 GPM
- maximum flow for long units is 175 GPM



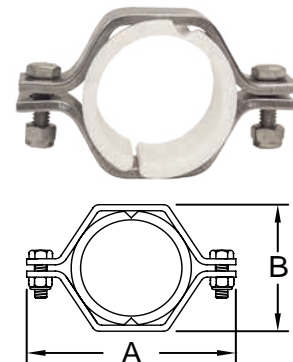
## Tube Hangers

## Hex with ABS Sleeve - B24PS

## Feature:

- maximum temperature: **230°F (110°C)**

| Tube OD | Dimensions |        | 304 Stainless Steel<br>Part # |
|---------|------------|--------|-------------------------------|
|         | A          | B      |                               |
| ½"      | 2.800"     | 1.150" | <b>B24PS-G50</b>              |
| ¾"      | 2.800"     | 1.150" | <b>B24PS-G75</b>              |
| 1"      | 3.425"     | 1.450" | <b>B24PS-G100</b>             |
| 1½"     | 4.000"     | 2.125" | <b>B24PS-G150</b>             |
| 2"      | 4.500"     | 2.500" | <b>B24PS-G200</b>             |
| 2½"     | 4.950"     | 3.125" | <b>B24PS-G250</b>             |
| 3"      | 5.500"     | 3.750" | <b>B24PS-G300</b>             |
| 4"      | 6.950"     | 4.750" | <b>B24PS-G400</b>             |
| 5"      | 8.063"     | 5.625" | <b>B24PS-G500</b>             |
| 6"      | 9.250"     | 6.625" | <b>B24PS-G600</b>             |
| 8"      | 11.500"    | 8.625" | <b>B24PS-G800</b>             |

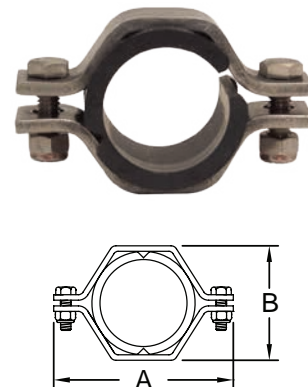
Sanitary  
Fittings

## Hex with High Temperature Polysulfone Sleeve - B24HS

## Specification:

- high temperature sleeve maximum temperature: **325°F (163°C)**

| Tube OD | Dimensions |        | 304 Stainless Steel<br>Part Number |
|---------|------------|--------|------------------------------------|
|         | A          | B      |                                    |
| ½"      | 2.375"     | 1.062" | <b>B24HS-G50</b>                   |
| ¾"      | 2.625"     | 1.188" | <b>B24HS-G75</b>                   |
| 1"      | 2.688"     | 1.563" | <b>B24HS-G100</b>                  |
| 1½"     | 3.625"     | 2.125" | <b>B24HS-G150</b>                  |
| 2"      | 4.625"     | 2.625" | <b>B24HS-G200</b>                  |
| 2½"     | 4.813"     | 3.125" | <b>B24HS-G250</b>                  |
| 3"      | 5.375"     | 3.625" | <b>B24HS-G300</b>                  |
| 4"      | 6.625"     | 4.625" | <b>B24HS-G400</b>                  |
| 6"      | 9.000"     | 6.625" | <b>B24HS-G600</b>                  |



## Sleeves - 13PS

## Features:

- maximum temperature: **230°F (110°C)**
- high temperature sleeves are also available, contact Dixon®

| Size | ABS<br>Part #   | High Temperature<br>Part # |
|------|-----------------|----------------------------|
| ½"   | <b>13PS-50</b>  | <b>13HS-50</b>             |
| ¾"   | <b>13PS-75</b>  | <b>13HS-75</b>             |
| 1"   | <b>13PS-100</b> | <b>13HS-100</b>            |
| 1½"  | <b>13PS-150</b> | <b>13HS-150</b>            |
| 2"   | <b>13PS-200</b> | <b>13HS-200</b>            |
| 2½"  | <b>13PS-250</b> | <b>13HS-250</b>            |
| 3"   | <b>13PS-300</b> | <b>13HS-300</b>            |
| 4"   | <b>13PS-400</b> | <b>13HS-400</b>            |
| 5"   | <b>13PS-500</b> | ---                        |
| 6"   | <b>13PS-600</b> | <b>13HS-600</b>            |
| 8"   | <b>13PS-800</b> | ---                        |





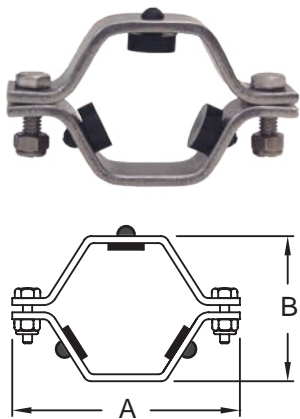
## Tube Hangers

## Hex with Nitrile Grommets - B24RG

## Features:

- replacement grommets are available, contact Dixon®
- nitrile grommets; maximum temperature: 230°F (110°C)

| Tube OD     | Dimensions |        | 304 Stainless Steel |
|-------------|------------|--------|---------------------|
|             | A          | B      | Part #              |
| 1/2" - 3/4" | 3.425"     | 1.450" | <b>B24RG-G75</b>    |
| 1"          | 3.425"     | 1.450" | <b>B24RG-G100</b>   |
| 1 1/2"      | 4.000"     | 2.125" | <b>B24RG-G150</b>   |
| 2"          | 4.500"     | 2.500" | <b>B24RG-G200</b>   |
| 2 1/2"      | 4.950"     | 3.125" | <b>B24RG-G250</b>   |
| 3"          | 5.500"     | 3.750" | <b>B24RG-G300</b>   |
| 4"          | 6.950"     | 4.750" | <b>B24RG-G400</b>   |
| 5"          | 8.000"     | 5.625" | <b>B24RG-G500</b>   |
| 6"          | 9.250"     | 6.625" | <b>B24RG-G600</b>   |
| 8"          | 11.500"    | 8.625" | <b>B24RG-G800</b>   |

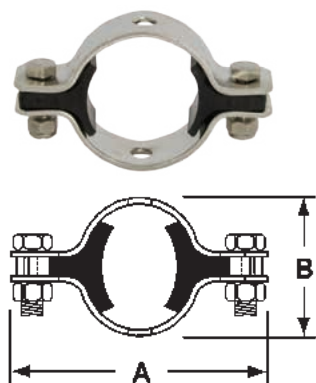
Sanitary  
Fittings

## Round with Nitrile Inserts - B24RPH

## Feature:

- Nitrile inserts
- maximum temperature: 230°F (110°C)

| Tube OD | Dimensions |        | 304 Stainless Steel |
|---------|------------|--------|---------------------|
|         | A          | B      | Part #              |
| 1/2"    | 2.750"     | 1.125" | <b>B24RPH-G50</b>   |
| 3/4"    | 2.750"     | 1.125" | <b>B24RPH-G75</b>   |
| 1"      | 3.310"     | 1.500" | <b>B24RPH-G100</b>  |
| 1 1/2"  | 3.810"     | 2.000" | <b>B24RPH-G150</b>  |
| 2"      | 4.250"     | 2.562" | <b>B24RPH-G200</b>  |
| 2 1/2"  | 5.000"     | 3.000" | <b>B24RPH-G250</b>  |
| 3"      | 5.500"     | 3.562" | <b>B24RPH-G300</b>  |
| 4"      | 6.500"     | 4.688" | <b>B24RPH-G400</b>  |

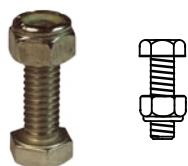


## Nuts and Bolts - 13NHN

## Features:

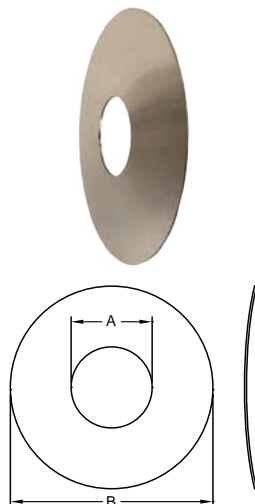
- hex hangers with grommets and round hangers 1" to 4" use 13NHN-G100-600 fastener sets
- 1/2" and 3/4" round and sleeved hangers use 13NHN-G75 fastener sets
- 2 nuts and bolts supplied to a set

| Size        | Description                         | 304 Stainless Steel   |
|-------------|-------------------------------------|-----------------------|
|             |                                     | Part #                |
| 1/2" - 3/4" | 1/4"-20 x 3/4" bolt with nylock nut | <b>13NHN-G75</b>      |
| 1" - 12"    | 5/16"-18 x 1" bolt with nylock nut  | <b>13NHN-G100-600</b> |



## Wall Flanges - B25

| Tube OD | Dimensions |        | Wall Thickness | 304 Stainless Steel  |
|---------|------------|--------|----------------|----------------------|
|         | A          | B      |                | Part #               |
| 1/2"    | .50"       | 3.00"  | .065"          | <b>B25-G050300</b>   |
| 1/2"    | .50"       | 5.00"  | .065"          | <b>B25-G050500</b>   |
| 3/4"    | .75"       | 3.00"  | .065"          | <b>B25-G075300</b>   |
| 3/4"    | .75"       | 5.00"  | .065"          | <b>B25-G075500</b>   |
| 1"      | 1.00"      | 3.00"  | .065"          | <b>B25-G100300</b>   |
| 1"      | 1.00"      | 5.00"  | .065"          | <b>B25-G100500</b>   |
| 1 1/2"  | 1.50"      | 5.00"  | .065"          | <b>B25-G150500</b>   |
| 2"      | 2.00"      | 5.00"  | .065"          | <b>B25-G200500</b>   |
| 2 1/2"  | 2.50"      | 5.00"  | .065"          | <b>B25-G250500</b>   |
| 3"      | 3.00"      | 6.00"  | .065"          | <b>B25-G300600</b>   |
| 4"      | 4.00"      | 7.00"  | .065"          | <b>B25-G400700</b>   |
| 5"      | 5.00"      | 8.00"  | .065"          | <b>B25-G500800</b>   |
| 6"      | 6.00"      | 10.00" | .065"          | <b>B25-G6001000</b>  |
| 8"      | 8.00"      | 12.00" | .065"          | <b>B25-G8001200</b>  |
| 10"     | 10.00"     | 14.00" | .065"          | <b>B25-G10001400</b> |
| 12"     | 12.00"     | 16.00" | .065"          | <b>B25-G12001600</b> |

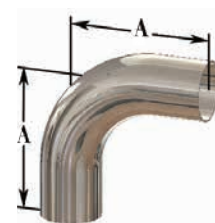


NEW

## High Purity BioPharm Fittings

## 90° Weld Elbows - T2S

| Size   | Dimension<br>A | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|--------|----------------|---------------------------|---------------------------|
| 1/2"   | 3.00"          | <i>T2S-050PL</i>          | <i>T2S-050PM</i>          |
| 3/4"   | 3.00"          | <i>T2S-075PL</i>          | <i>T2S-075PM</i>          |
| 1"     | 3.00"          | <i>T2S-100PL</i>          | <i>T2S-100PM</i>          |
| 1 1/2" | 3.75"          | <i>T2S-150PL</i>          | <i>T2S-150PM</i>          |
| 2"     | 4.75"          | <i>T2S-200PL</i>          | <i>T2S-200PM</i>          |
| 2 1/2" | 5.50"          | <i>T2S-250PL</i>          | <i>T2S-250PM</i>          |
| 3"     | 6.25"          | <i>T2S-300PL</i>          | <i>T2S-300PM</i>          |
| 4"     | 8.00"          | <i>T2S-400PL</i>          | <i>T2S-400PM</i>          |

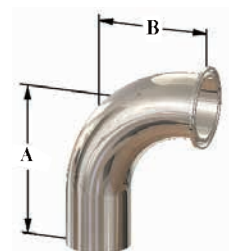


BPE Table DT-4.1.1-1

Sanitary  
Fittings

## 90° Clamp x Weld Elbows - T2CM

| Size   | Dimensions |        | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|--------|------------|--------|---------------------------|---------------------------|
|        | A          | B      |                           |                           |
| 1/2"   | 3.00"      | 1.625" | <i>T2CM-050PL</i>         | <i>T2CM-050PM</i>         |
| 3/4"   | 3.00"      | 1.625" | <i>T2CM-075PL</i>         | <i>T2CM-075PM</i>         |
| 1"     | 3.00"      | 2.000" | <i>T2CM-100PL</i>         | <i>T2CM-100PM</i>         |
| 1 1/2" | 3.75"      | 2.750" | <i>T2CM-150PL</i>         | <i>T2CM-150PM</i>         |
| 2"     | 4.75"      | 3.500" | <i>T2CM-200PL</i>         | <i>T2CM-200PM</i>         |
| 2 1/2" | 5.50"      | 4.250" | <i>T2CM-250PL</i>         | <i>T2CM-250PM</i>         |
| 3"     | 6.25"      | 5.000" | <i>T2CM-300PL</i>         | <i>T2CM-300PM</i>         |
| 4"     | 8.00"      | 6.625" | <i>T2CM-400PL</i>         | <i>T2CM-400PM</i>         |



BPE Table DT-4.1.1-2

## 90° Clamp x Clamp Elbows - T2CMP

| Size   | Dimension<br>A | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|--------|----------------|---------------------------|---------------------------|
| 1/2"   | 1.625"         | <i>T2CMP-050PL</i>        | <i>T2CMP-050PM</i>        |
| 3/4"   | 1.625"         | <i>T2CMP-075PL</i>        | <i>T2CMP-075PM</i>        |
| 1"     | 2.000"         | <i>T2CMP-100PL</i>        | <i>T2CMP-100PM</i>        |
| 1 1/2" | 2.750"         | <i>T2CMP-150PL</i>        | <i>T2CMP-150PM</i>        |
| 2"     | 3.500"         | <i>T2CMP-200PL</i>        | <i>T2CMP-200PM</i>        |
| 2 1/2" | 4.250"         | <i>T2CMP-250PL</i>        | <i>T2CMP-250PM</i>        |
| 3"     | 5.000"         | <i>T2CMP-300PL</i>        | <i>T2CMP-300PM</i>        |
| 4"     | 6.625"         | <i>T2CMP-400PL</i>        | <i>T2CMP-400PM</i>        |



BPE Table DT-4.11.1-3

## 45° Weld Elbows - T2KS

| Size   | Dimension<br>A | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|--------|----------------|---------------------------|---------------------------|
| 1/2"   | 2.250"         | <i>T2KS-050PL</i>         | <i>T2KS-050PM</i>         |
| 3/4"   | 2.250"         | <i>T2KS-075PL</i>         | <i>T2KS-075PM</i>         |
| 1"     | 2.250"         | <i>T2KS-100PL</i>         | <i>T2KS-100PM</i>         |
| 1 1/2" | 2.500"         | <i>T2KS-150PL</i>         | <i>T2KS-150PM</i>         |
| 2"     | 3.000"         | <i>T2KS-200PL</i>         | <i>T2KS-200PM</i>         |
| 2 1/2" | 3.375"         | <i>T2KS-250PL</i>         | <i>T2KS-250PM</i>         |
| 3"     | 3.625"         | <i>T2KS-300PL</i>         | <i>T2KS-300PM</i>         |
| 4"     | 4.500"         | <i>T2KS-400PL</i>         | <i>T2KS-400PM</i>         |



BPE Table DT-4.1.1-4

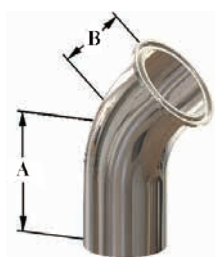
PL Finish – SF1  
 OD = 32R<sub>a</sub> Mechanically Polished  
 ID = 20R<sub>a</sub> Mechanically Polished

PM Finish – SF4  
 OD = 32R<sub>a</sub> Mechanically Polished  
 ID = 15R<sub>a</sub> Mechanically Polished and Electropolished

## High Purity BioPharm Fittings

## 45° Clamp x Weld Elbows - T2KM

| Size | Dimensions |        | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------|------------|--------|---------------------------|---------------------------|
|      | A          | B      |                           |                           |
| ½"   | 2.250"     | 1.000" | <b>T2KM-050PL</b>         | <b>T2KM-050PM</b>         |
| ¾"   | 2.250"     | 1.000" | <b>T2KM-075PL</b>         | <b>T2KM-075PM</b>         |
| 1"   | 2.250"     | 1.125" | <b>T2KM-100PL</b>         | <b>T2KM-100PM</b>         |
| 1½"  | 2.500"     | 1.438" | <b>T2KM-150PL</b>         | <b>T2KM-150PM</b>         |
| 2"   | 3.000"     | 1.750" | <b>T2KM-200PL</b>         | <b>T2KM-200PM</b>         |
| 2½"  | 3.375"     | 2.063" | <b>T2KM-250PL</b>         | <b>T2KM-250PM</b>         |
| 3"   | 3.625"     | 2.380" | <b>T2KM-300PL</b>         | <b>T2KM-300PM</b>         |
| 4"   | 4.500"     | 3.125" | <b>T2KM-400PL</b>         | <b>T2KM-400PM</b>         |



BPE Table DT-4.1.1-5

## 45° Clamp x Clamp Elbows - T2KMP

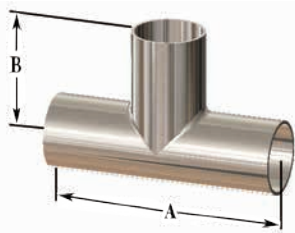
| Size | Dimension |  | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------|-----------|--|---------------------------|---------------------------|
|      | A         |  |                           |                           |
| ½"   | 1.000"    |  | <b>T2KMP-050PL</b>        | <b>T2KMP-050PM</b>        |
| ¾"   | 1.000"    |  | <b>T2KMP-075PL</b>        | <b>T2KMP-075PM</b>        |
| 1"   | 1.125"    |  | <b>T2KMP-100PL</b>        | <b>T2KMP-100PM</b>        |
| 1½"  | 1.438"    |  | <b>T2KMP-150PL</b>        | <b>T2KMP-150PM</b>        |
| 2"   | 1.750"    |  | <b>T2KMP-200PL</b>        | <b>T2KMP-200PM</b>        |
| 2½"  | 2.063"    |  | <b>T2KMP-250PL</b>        | <b>T2KMP-250PM</b>        |
| 3"   | 2.380"    |  | <b>T2KMP-300PL</b>        | <b>T2KMP-300PM</b>        |
| 4"   | 3.125"    |  | <b>T2KMP-400PL</b>        | <b>T2KMP-400PM</b>        |



BPE Table DT-4.1.1-6

## Weld x Weld x Weld Tees - T7WWW

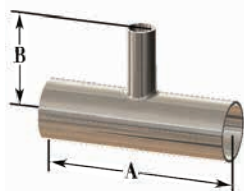
| Size | Dimensions |        | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------|------------|--------|---------------------------|---------------------------|
|      | A          | B      |                           |                           |
| ½"   | 3.750"     | 1.875" | <b>T7WWW-050PL</b>        | <b>T7WWW-050PM</b>        |
| ¾"   | 4.000"     | 2.000" | <b>T7WWW-075PL</b>        | <b>T7WWW-075PM</b>        |
| 1"   | 4.250"     | 2.125" | <b>T7WWW-100PL</b>        | <b>T7WWW-100PM</b>        |
| 1½"  | 4.750"     | 2.375" | <b>T7WWW-150PL</b>        | <b>T7WWW-150PM</b>        |
| 2"   | 5.750"     | 2.875" | <b>T7WWW-200PL</b>        | <b>T7WWW-200PM</b>        |
| 2½"  | 6.250"     | 3.125" | <b>T7WWW-250PL</b>        | <b>T7WWW-250PM</b>        |
| 3"   | 6.750"     | 3.375" | <b>T7WWW-300PL</b>        | <b>T7WWW-300PM</b>        |
| 4"   | 8.250"     | 4.125" | <b>T7WWW-400PL</b>        | <b>T7WWW-400PM</b>        |



BPE Table DT-4.1.2-1

## Weld x Weld x Weld Reducing Tees - T7RWWW

| Size     | Dimensions |        | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|----------|------------|--------|---------------------------|---------------------------|
|          | A          | B      |                           |                           |
| ¾" x ½"  | 4.000"     | 2.000" | <b>T7RWWW-075050PL</b>    | <b>T7RWWW-075050PM</b>    |
| 1" x ½"  | 4.250"     | 2.125" | <b>T7RWWW-100050PL</b>    | <b>T7RWWW-100050PM</b>    |
| 1" x ¾"  | 4.250"     | 2.125" | <b>T7RWWW-100075PL</b>    | <b>T7RWWW-100075PM</b>    |
| 1½" x ½" | 4.750"     | 2.375" | <b>T7RWWW-150050PL</b>    | <b>T7RWWW-150050PM</b>    |
| 1½" x ¾" | 4.750"     | 2.375" | <b>T7RWWW-150075PL</b>    | <b>T7RWWW-150075PM</b>    |
| 1½" x 1" | 4.750"     | 2.375" | <b>T7RWWW-150100PL</b>    | <b>T7RWWW-150100PM</b>    |
| 2" x ½"  | 5.750"     | 2.625" | <b>T7RWWW-200050PL</b>    | <b>T7RWWW-200050PM</b>    |
| 2" x ¾"  | 5.750"     | 2.625" | <b>T7RWWW-200075PL</b>    | <b>T7RWWW-200075PM</b>    |
| 2" x 1"  | 5.750"     | 2.625" | <b>T7RWWW-200100PL</b>    | <b>T7RWWW-200100PM</b>    |
| 2" x 1½" | 5.750"     | 2.625" | <b>T7RWWW-200150PL</b>    | <b>T7RWWW-200150PM</b>    |



BPE Table DT-4.1.2-6

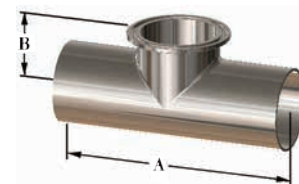
PL Finish – SF1  
OD = 32R<sub>a</sub> Mechanically Polished  
ID = 20R<sub>a</sub> Mechanically Polished

PM Finish – SF4  
OD = 32R<sub>a</sub> Mechanically Polished  
ID = 15R<sub>a</sub> Mechanically Polished and Electropolished

## High Purity BioPharm Fittings

## Weld x Weld x Clamp Short Outlet Tees - T7WWMS

| Size | Dimensions |        | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------|------------|--------|---------------------------|---------------------------|
|      | A          | B      |                           |                           |
| ½"   | 3.750"     | 1.000" | T7WWMS-050PL              | T7WWMS-050PM              |
| ¾"   | 4.000"     | 1.125" | T7WWMS-075PL              | T7WWMS-075PM              |
| 1"   | 4.250"     | 1.125" | T7WWMS-100PL              | T7WWMS-100PM              |
| 1½"  | 4.750"     | 1.375" | T7WWMS-150PL              | T7WWMS-150PM              |
| 2"   | 5.750"     | 1.625" | T7WWMS-200PL              | T7WWMS-200PM              |
| 2½"  | 6.250"     | 1.825" | T7WWMS-250PL              | T7WWMS-250PM              |
| 3"   | 6.750"     | 2.125" | T7WWMS-300PL              | T7WWMS-300PM              |
| 4"   | 8.250"     | 2.750" | T7WWMS-400PL              | T7WWMS-400PM              |

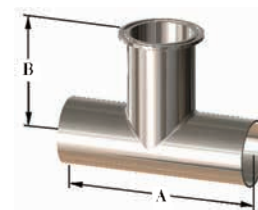


BPE Table DT-4.1.2-2

Sanitary  
Fittings

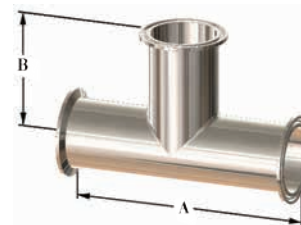
## Weld x Weld x Clamp Tees - T7WWM

| Size | Dimensions |        | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------|------------|--------|---------------------------|---------------------------|
|      | A          | B      |                           |                           |
| ½"   | 3.750"     | 2.250" | T7WWM-050PL               | T7WWM-050PM               |
| ¾"   | 4.000"     | 2.375" | T7WWM-075PL               | T7WWM-075PM               |
| 1"   | 4.250"     | 2.625" | T7WWM-100PL               | T7WWM-100PM               |
| 1½"  | 4.750"     | 2.875" | T7WWM-150PL               | T7WWM-150PM               |
| 2"   | 5.750"     | 3.375" | T7WWM-200PL               | T7WWM-200PM               |
| 2½"  | 6.250"     | 3.625" | T7WWM-250PL               | T7WWM-250PM               |
| 3"   | 6.750"     | 3.875" | T7WWM-300PL               | T7WWM-300PM               |
| 4"   | 8.250"     | 4.750" | T7WWM-400PL               | T7WWM-400PM               |



## Clamp x Clamp x Clamp Tees - T7MP

| Size | Dimensions |        | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------|------------|--------|---------------------------|---------------------------|
|      | A          | B      |                           |                           |
| ½"   | 4.500"     | 2.250" | T7MP-050PL                | T7MP-050PM                |
| ¾"   | 4.750"     | 2.375" | T7MP-075PL                | T7MP-075PM                |
| 1"   | 5.250"     | 2.625" | T7MP-100PL                | T7MP-100PM                |
| 1½"  | 5.750"     | 2.875" | T7MP-150PL                | T7MP-150PM                |
| 2"   | 6.750"     | 3.375" | T7MP-200PL                | T7MP-200PM                |
| 2½"  | 7.250"     | 3.625" | T7MP-250PL                | T7MP-250PM                |
| 3"   | 7.750"     | 3.875" | T7MP-300PL                | T7MP-300PM                |
| 4"   | 9.500"     | 4.750" | T7MP-400PL                | T7MP-400PM                |



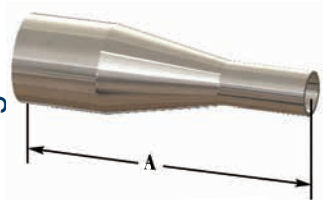
BPE Table DT-4.1.2-4

PL Finish – SF1  
OD = 32R<sub>a</sub> Mechanically Polished  
ID = 20R<sub>a</sub> Mechanically Polished

PM Finish – SF4  
OD = 32R<sub>a</sub> Mechanically Polished  
ID = 15R<sub>a</sub> Mechanically Polished and Electropolished

## High Purity BioPharm Fittings

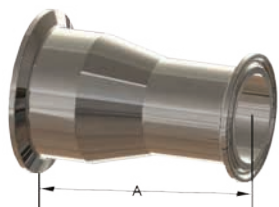
## Weld x Weld Concentric Reducers - T31W

Sanitary  
Fittings

BPE Table DT-4.1.3-1(a)

| Size     | Dimension<br>A | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|----------|----------------|---------------------------|---------------------------|
| ¾" x ½"  | 4.00"          | <b>2211CBB075050F1</b>    | <b>2211CBB075050F4</b>    |
| 1" x ½"  | 4.50"          | <b>2211CBB100050F1</b>    | <b>2211CBB100050F4</b>    |
| 1" x ¾"  | 4.00"          | <b>2211CBB100075F1</b>    | <b>2211CBB100075F4</b>    |
| 1½" x ¾" | 5.00"          | <b>2211CBB150075F1</b>    | <b>2211CBB150075F4</b>    |
| 1½" x 1" | 5.00"          | <b>2211CBB150100F1</b>    | <b>2211CBB150100F4</b>    |
| 2" x 1"  | 7.25"          | <b>2211CBB200100F1</b>    | <b>2211CBB200100F4</b>    |
| 2" x 1½" | 5.25"          | <b>2211CBB200150F1</b>    | <b>2211CBB200150F4</b>    |

## Clamp x Clamp Concentric Reducers - T3114MP



BPE Table DT-4.1.3-3(a)

| Size     | Dimension<br>A | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|----------|----------------|---------------------------|---------------------------|
| ¾" x ½"  | 2.000"         | <b>2221CBB075050F1</b>    | <b>2221CBB075050F4</b>    |
| 1" x ½"  | 2.500"         | <b>2221CBB100050F1</b>    | <b>2221CBB100050F4</b>    |
| 1" x ¾"  | 2.000"         | <b>2221CBB100075F1</b>    | <b>2221CBB100075F4</b>    |
| 1½" x ¾" | 3.000"         | <b>2221CBB150075F1</b>    | <b>2221CBB150075F4</b>    |
| 1½" x 1" | 3.000"         | <b>2221CBB150100F1</b>    | <b>2221CBB150100F4</b>    |
| 2" x 1"  | 5.000"         | <b>2221CBB200100F1</b>    | <b>2221CBB200100F4</b>    |
| 2" x 1½" | 3.000"         | <b>2221CBB200150F1</b>    | <b>2221CBB200150F4</b>    |

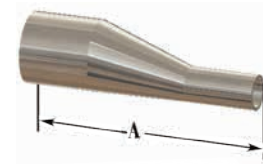
PL Finish – SF1  
 OD = 32R<sub>a</sub> Mechanically Polished  
 ID = 20R<sub>a</sub> Mechanically Polished

PM Finish – SF4  
 OD = 32R<sub>a</sub> Mechanically Polished  
 ID = 15R<sub>a</sub> Mechanically Polished and Electropolished

## High Purity BioPharm Fittings

## Weld x Weld Eccentric Reducers - T32W

| Size                               | Dimension<br>A | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------------------------------------|----------------|---------------------------|---------------------------|
| $\frac{3}{4}$ " x $\frac{1}{2}$ "  | 4.00"          | <b>2211EBB075050F1</b>    | <b>2211EBB075050F4</b>    |
| 1" x $\frac{1}{2}$ "               | 4.50"          | <b>2211EBB100050F1</b>    | <b>2211EBB100050F4</b>    |
| 1" x $\frac{3}{4}$ "               | 4.00"          | <b>2211EBB100075F1</b>    | <b>2211EBB100075F4</b>    |
| $1\frac{1}{2}$ " x $\frac{3}{4}$ " | 5.00"          | <b>2211EBB150075F1</b>    | <b>2211EBB150075F4</b>    |
| $1\frac{1}{2}$ " x 1"              | 5.00"          | <b>2211EBB150100F1</b>    | <b>2211EBB150100F4</b>    |
| 2" x 1"                            | 7.25"          | <b>2211EBB200100F1</b>    | <b>2211EBB200100F4</b>    |
| 2" x $1\frac{1}{2}$ "              | 5.25"          | <b>2211EBB200150F1</b>    | <b>2211EBB200150F4</b>    |

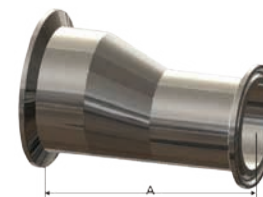


BPE Table DT-4.1.3-1(a)

Sanitary  
Fittings

## Clamp x Clamp Eccentric Reducers - T3214MP

| Size                               | Dimension<br>A | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------------------------------------|----------------|---------------------------|---------------------------|
| $\frac{3}{4}$ " x $\frac{1}{2}$ "  | 2.000"         | <b>2221EBB075050F1</b>    | <b>2221EBB075050F4</b>    |
| 1" x $\frac{1}{2}$ "               | 2.500"         | <b>2221EBB100050F1</b>    | <b>2221EBB100050F4</b>    |
| 1" x $\frac{3}{4}$ "               | 2.000"         | <b>2221EBB100075F1</b>    | <b>2221EBB100075F4</b>    |
| $1\frac{1}{2}$ " x $\frac{3}{4}$ " | 3.000"         | <b>2221EBB150075F1</b>    | <b>2221EBB150075F4</b>    |
| $1\frac{1}{2}$ " x 1"              | 3.000"         | <b>2221EBB150100F1</b>    | <b>2221EBB150100F4</b>    |
| 2" x 1"                            | 5.000"         | <b>2221EBB200100F1</b>    | <b>2221EBB200100F4</b>    |
| 2" x $1\frac{1}{2}$ "              | 3.000"         | <b>2221EBB200150F1</b>    | <b>2221EBB200150F4</b>    |



BPE Table DT-4.1.3-3(a)

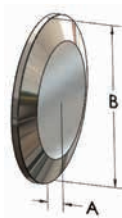
PL Finish – SF1  
 OD = 32R<sub>a</sub> Mechanically Polished  
 ID = 20R<sub>a</sub> Mechanically Polished

PM Finish – SF4  
 OD = 32R<sub>a</sub> Mechanically Polished  
 ID = 15R<sub>a</sub> Mechanically Polished and Electropolished



## High Purity BioPharm Fittings

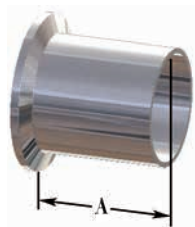
## Solid End Caps - T16AMP



BPE Table DT-4.1.5-2

| Size     | Dimensions |       | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|----------|------------|-------|---------------------------|---------------------------|
|          | A          | B     |                           |                           |
| ½" - ¾"  | 0.19"      | 0.98" | <b>T16AMP-050075PL</b>    | <b>T16AMP-050075PM</b>    |
| 1" - 1½" | 0.25"      | 1.98" | <b>T16AMP-100150PL</b>    | <b>T16AMP-100150PM</b>    |
| 2"       | 0.25"      | 2.52" | <b>T16AMP-200PL</b>       | <b>T16AMP-200PM</b>       |
| 2½"      | 0.25"      | 3.05" | <b>T16AMP-250PL</b>       | <b>T16AMP-250PM</b>       |
| 3"       | 0.25"      | 3.58" | <b>T16AMP-300PL</b>       | <b>T16AMP-300PM</b>       |
| 4"       | 0.31"      | 4.68" | <b>T16AMP-400PL</b>       | <b>T16AMP-400PM</b>       |

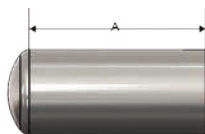
## Auto Weld Ferrules - TL14AM7



BPE Table DT-4.1.4-1

| Size | Dimension<br>A | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------|----------------|---------------------------|---------------------------|
| ½"   | 1.75"          | <b>TL14AM7-050PL</b>      | <b>TL14AM7-050PM</b>      |
| ¾"   | 1.75"          | <b>TL14AM7-075PL</b>      | <b>TL14AM7-075PM</b>      |
| 1"   | 1.75"          | <b>TL14AM7-100PL</b>      | <b>TL14AM7-100PM</b>      |
| 1½"  | 1.75"          | <b>TL14AM7-150PL</b>      | <b>TL14AM7-150PM</b>      |
| 2"   | 2.25"          | <b>TL14AM7-200PL</b>      | <b>TL14AM7-200PM</b>      |
| 2½"  | 2.25"          | <b>TL14AM7-250PL</b>      | <b>TL14AM7-250PM</b>      |
| 3"   | 2.25"          | <b>TL14AM7-300PL</b>      | <b>TL14AM7-300PM</b>      |
| 4"   | 2.25"          | <b>TL14AM7-400PL</b>      | <b>TL14AM7-400PM</b>      |

## Weld Caps - T16W



BPE Table DT-4.1.5-1

| Size | Dimension<br>A | PL finish - SF1<br>Part # | PM finish - SF4<br>Part # |
|------|----------------|---------------------------|---------------------------|
| ½"   | 1.50"          | <b>T16W-050PL</b>         | <b>T16W-050PM</b>         |
| ¾"   | 1.50"          | <b>T16W-075PL</b>         | <b>T16W-075PM</b>         |
| 1"   | 1.50"          | <b>T16W-100PL</b>         | <b>T16W-100PM</b>         |
| 1½"  | 1.50"          | <b>T16W-150PL</b>         | <b>T16W-150PM</b>         |
| 2"   | 1.50"          | <b>T16W-200PL</b>         | <b>T16W-200PM</b>         |

PL Finish – SF1

OD = 32R<sub>a</sub> Mechanically PolishedID = 20R<sub>a</sub> Mechanically Polished

PM Finish – SF4

OD = 32R<sub>a</sub> Mechanically PolishedID = 15R<sub>a</sub> Mechanically Polished and Electropolished

## 2-Way 3 Piece Encapsulated Ball Valves

**Materials:**

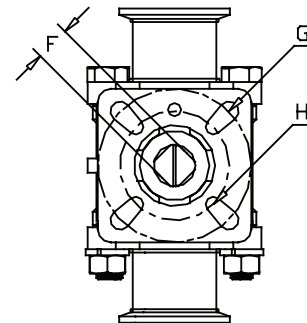
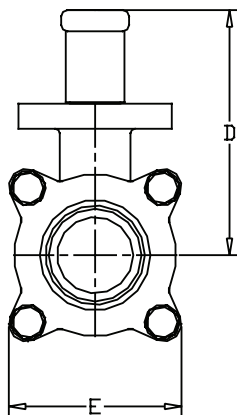
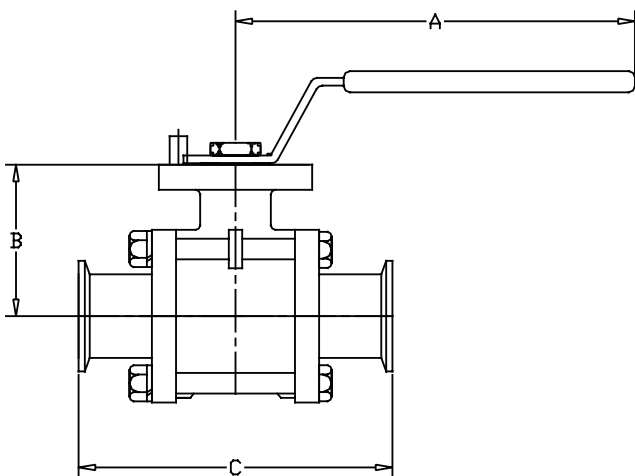
- body, ends and ball: CF8M stainless
- seats: virgin PTFE, 15% glass reinforced RTFE, 25% carbon reinforced PTFE, 50% stainless steel reinforced PTFE or UHMW

**Features:**

- live-loaded stem packing
- precision stainless steel balls reduce torque and friction losses while extending seat life
- integral ISO 5211 mounting pad
- ID polish is  $R_a$  32 minimum
- lockable handle can prevent accidental actuation
- standard internal entry blow out proof stem design
- full port design matches ball and seat ports to tube ID for lower pressure drop and less turbulent flow
- compact design for areas with tight space restrictions
- fully encapsulated construction produces bubble tight seal
- identification tagging available
- balanced encapsulated construction minimizes cold flow

**Specifications:**

- maximum pressure rating:  $\frac{1}{2}$ " - 2" **1000 PSI WOG**,  $2\frac{1}{2}$ " - 4" **800 PSI WOG**
- for valves seat options, call Dixon
- repair kits available



| Size             | Dimensions |      |      |      |      |        |        |        | 316 Stainless Steel<br>Part # |
|------------------|------------|------|------|------|------|--------|--------|--------|-------------------------------|
|                  | A          | B    | C    | D    | E    | F (mm) | G (mm) | H (mm) |                               |
| $\frac{1}{2}$ "  | 4.9"       | 1.5" | 4.3" | 3.1" | 2.0" | 9      | 42     | 36     | <b>BV2CV-050CC-A</b>          |
| $\frac{3}{4}$ "  | 4.9"       | 1.8" | 4.7" | 3.4" | 2.2" | 9      | 42     | 36     | <b>BV2CV-075CC-A</b>          |
| 1"               | 5.4"       | 2.1" | 4.9" | 3.6" | 2.4" | 11     | 50     | 42     | <b>BV2CV-100CC-A</b>          |
| $1\frac{1}{2}$ " | 9.3"       | 2.7" | 5.6" | 4.4" | 3.2" | 14     | 70     | 50     | <b>BV2CV-150CC-A</b>          |
| 2"               | 9.3"       | 3.1" | 6.4" | 4.7" | 3.8" | 14     | 70     | 50     | <b>BV2CV-200CC-A</b>          |
| $2\frac{1}{2}$ " | 18.0"      | 3.8" | 7.8" | 5.2" | 4.9" | 17     | 102    | 70     | <b>BV2CV-250CC-A</b>          |
| 3"               | 18.3"      | 4.2" | 9.0" | 5.7" | 5.4" | 17     | 102    | 70     | <b>BV2CV-300CC-A</b>          |
| 4"               | 18.3"      | 5.3" | 9.6" | 6.9" | 8.7" | 22     | 125    | 102    | <b>BV2CV-400CC-A</b>          |

Our commitment to excellence and continuous research and development for improving product quality may warrant periodic changes in design and specification. We reserve the right to modify product design without prior notification and without incurring any liability to provide these modifications to products previously purchased.

# Non-Encapsulated 2-way 3 Piece Stainless Steel Ball Valves

**Materials:**

- body, ends and ball: CF8M stainless
- seats: 15% glass reinforced PTFE

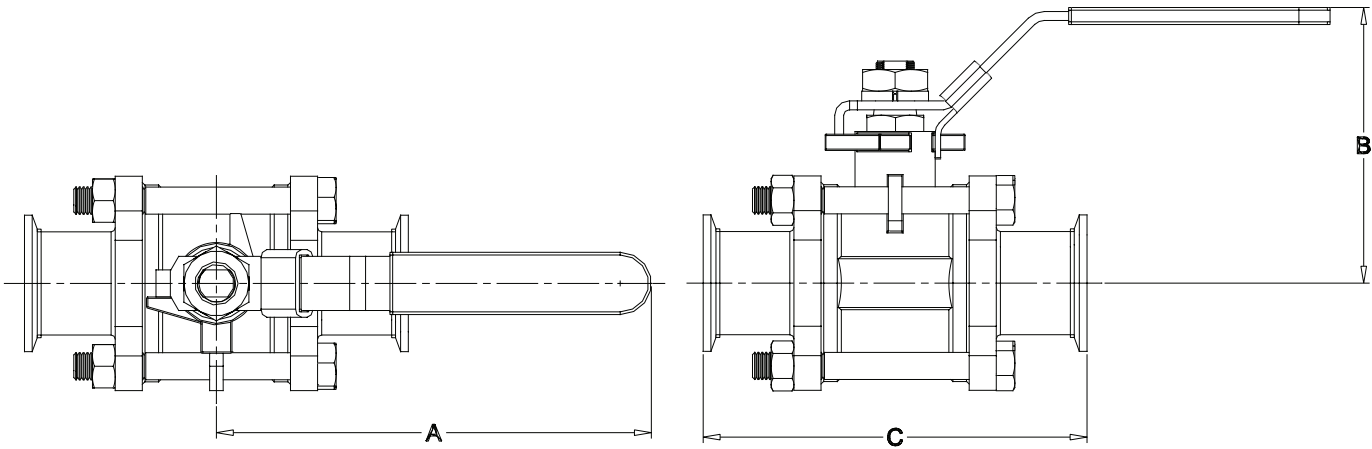
**Features:**

- blow-out proof stem
- live-loaded stem packing
- ID polish is  $R_a\ 32$
- lockable handle

**Specifications:**

- maximum pressure rating: ½" - 2" **1000 PSI WOG**, 2½" - 4" **800 PSI WOG**
- maximum temperature: **300°F (149°C)**
- repair kits available

Sanitary  
Fittings



| Size | Dimensions |      |      | 316 Stainless Steel<br>Part # |
|------|------------|------|------|-------------------------------|
|      | A          | B    | C    |                               |
| ½"   | 4.1"       | 2.3" | 4.6" | <b>BV2GG-050CC-A</b>          |
| ¾"   | 4.1"       | 2.5" | 4.7" | <b>BV2GG-075CC-A</b>          |
| 1"   | 5.0"       | 2.8" | 4.9" | <b>BV2GG-100CC-A</b>          |
| 1½"  | 6.1"       | 3.5" | 5.6" | <b>BV2GG-150CC-A</b>          |
| 2"   | 7.6"       | 3.9" | 6.4" | <b>BV2GG-200CC-A</b>          |
| 2½"  | 7.6"       | 4.4" | 7.8" | <b>BV2GG-250CC-A</b>          |
| 3"   | 10.9"      | 4.9" | 9.0" | <b>BV2GG-300CC-A</b>          |
| 4"   | 13.2"      | 6.6" | 9.6" | <b>BV2GG-400CC-A</b>          |

Dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

## Butterfly Valves

## Materials:

- body and disc: 316L
- seat: EPDM, FKM, (6" EPDM and silicone, 8" EPDM only)

## Features:

- low resistance to flow
- bi-directions flow
- gentle to media
- suitable for low and medium viscosity fluids
- can be serviced in the field
- self-draining
- various manual or automatic operators available, call Dixon Sanitary for details 800.789.1718
- optional wing nut kit is available for easy assembly and disassembly
- 100% hydraulic tested / 100% inspected

## Specifications:

- vacuum rating: 0.4 inches Hg at 68°F (20°C)
- operating temperature range: 15°F to 200°F (-9°C to 93°C)

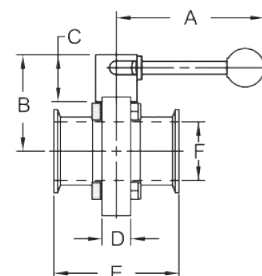
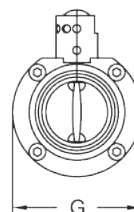
## Clamp End with Pull Handle - [A]

| Size            | 316L Stainless Steel with<br>Silicone Seats<br>Part # | 316L Stainless Steel with<br>FKM Seats<br>Part # | 316L Stainless Steel with<br>EPDM Seats<br>Part # |
|-----------------|---|--|---|
| 1/2"            | <b>B5101S050CC-A</b>                                  | <b>B5101V050CC-A</b>                             | <b>B5101E050CC-A</b>                              |
| 3/4"            | <b>B5101S075CC-A</b>                                  | <b>B5101V075CC-A</b>                             | <b>B5101E075CC-A</b>                              |
| 1"              | <b>B5101S100CC-A</b>                                  | <b>B5101V100CC-A</b>                             | <b>B5101E100CC-A</b>                              |
| 1 1/2"          | <b>B5101S150CC-A</b>                                  | <b>B5101V150CC-A</b>                             | <b>B5101E150CC-A</b>                              |
| 2"              | <b>B5101S200CC-A</b>                                  | <b>B5101V200CC-A</b>                             | <b>B5101E200CC-A</b>                              |
| 2 1/2"          | <b>B5101S250CC-A</b>                                  | <b>B5101V250CC-A</b>                             | <b>B5101E250CC-A</b>                              |
| 3"              | <b>B5101S300CC-A</b>                                  | <b>B5101V300CC-A</b>                             | <b>B5101E300CC-A</b>                              |
| 4" <sup>1</sup> | <b>B5101S400CC-A</b>                                  | <b>B5101V400CC-A</b>                             | <b>B5101E400CC-A</b>                              |
| 6"              | <b>B5101S600CC-A</b>                                  | ---  | <b>B5101E600CC-A</b>                              |
| 8"              | ---   | ---  | <b>B5101E800CC-A</b>                              |

<sup>1</sup> 4" high pressure butterfly valve is available, call Dixon® for more information



| Size   | Dimensions |      |      |      |      |      |       |
|--------|------------|------|------|------|------|------|-------|
|        | A          | B    | C    | D    | E    | F    | G     |
| 1/2"   | 4.4"       | 2.8" | 1.4" | 0.9" | 3.5" | .37" | 3.1"  |
| 3/4"   | 4.4"       | 2.8" | 1.4" | 0.9" | 3.5" | .62" | 3.1"  |
| 1"     | 4.4"       | 2.8" | 1.4" | 0.9" | 3.5" | 0.9" | 3.1"  |
| 1 1/2" | 4.4"       | 2.8" | 1.4" | 0.9" | 3.5" | 1.4" | 3.1"  |
| 2"     | 4.4"       | 3.1" | 1.4" | 0.9" | 3.8" | 1.9" | 3.9"  |
| 2 1/2" | 4.4"       | 3.5" | 1.4" | 0.9" | 3.8" | 2.4" | 4.6"  |
| 3"     | 6.2"       | 3.8" | 1.3" | 1.2" | 4.1" | 2.9" | 5.2"  |
| 4"     | 6.2"       | 4.5" | 1.3" | 1.2" | 4.8" | 3.8" | 6.7"  |
| 6"     | 11.5"      | 5.5" | 1.3" | 1.2" | 5.5" | 5.8" | 8.5"  |
| 8"     | 18.0"      | 6.9" | 1.6" | 1.2" | 4.9" | 7.8" | 11.2" |

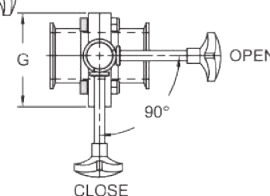
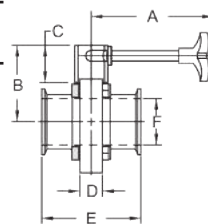


## Clamp End with Infinite Position Handle - [B]

| Size   | 316L Stainless Steel with<br>Silicone Seats<br>Part # | 316L Stainless Steel with<br>FKM Seats<br>Part # | 316L Stainless Steel with<br>EPDM Seats<br>Part # |
|--------|---|--|---|
| 1/2"   | <b>B5101S050CC-B</b>                                  | <b>B5101V050CC-B</b>                             | <b>B5101E050CC-B</b>                              |
| 3/4"   | <b>B5101S075CC-B</b>                                  | <b>B5101V075CC-B</b>                             | <b>B5101E075CC-B</b>                              |
| 1"     | <b>B5101S100CC-B</b>                                  | <b>B5101V100CC-B</b>                             | <b>B5101E100CC-B</b>                              |
| 1 1/2" | <b>B5101S150CC-B</b>                                  | <b>B5101V150CC-B</b>                             | <b>B5101E150CC-B</b>                              |
| 2"     | <b>B5101S200CC-B</b>                                  | <b>B5101V200CC-B</b>                             | <b>B5101E200CC-B</b>                              |
| 2 1/2" | <b>B5101S250CC-B</b>                                  | <b>B5101V250CC-B</b>                             | <b>B5101E250CC-B</b>                              |
| 3"     | <b>B5101S300CC-B</b>                                  | <b>B5101V300CC-B</b>                             | <b>B5101E300CC-B</b>                              |
| 4"     | <b>B5101S400CC-B</b>                                  | <b>B5101V400CC-B</b>                             | <b>B5101E400CC-B</b>                              |

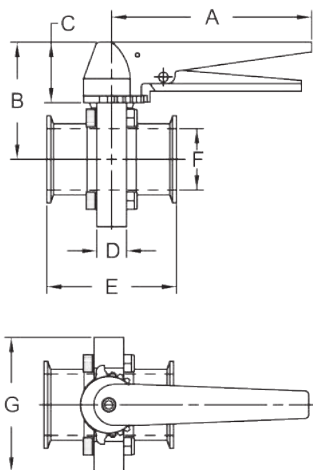


| Size   | Dimensions |      |      |      |      |       |      |
|--------|------------|------|------|------|------|-------|------|
|        | A          | B    | C    | D    | E    | F     | G    |
| 1/2"   | 4.3"       | 2.6" | 1.3" | 0.9" | 3.5" | .37"  | 3.1" |
| 3/4"   | 4.3"       | 2.6" | 1.3" | 0.9" | 3.5" | .62"  | 3.1" |
| 1"     | 4.3"       | 2.6" | 1.3" | 0.9" | 3.5" | .90"  | 3.1" |
| 1 1/2" | 4.3"       | 2.6" | 1.3" | 0.9" | 3.5" | 1.40" | 3.1" |
| 2"     | 4.3"       | 2.9" | 1.3" | 0.9" | 3.8" | 1.90" | 3.9" |
| 2 1/2" | 4.3"       | 3.3" | 1.3" | 0.9" | 3.8" | 2.40" | 4.6" |
| 3"     | 6.4"       | 3.6" | 1.3" | 1.2" | 4.1" | 2.90" | 5.2" |
| 4"     | 6.4"       | 4.4" | 1.3" | 1.2" | 4.8" | 3.80" | 6.7" |



**Butterfly Valves**

Clamp End with Trigger Handle - [C]

Sanitary  
Fittings

| Size   | 316L Stainless Steel with<br>Silicone Seats<br>Part # | 316L Stainless Steel with<br>FKM Seats<br>Part # | 316L Stainless Steel with<br>EPDM Seats<br>Part # |
|--------|---|--|---|
| 1/2"   | <b>B5101S050CC-C</b>                                  | <b>B5101V050CC-C</b>                             | <b>B5101E050CC-C</b>                              |
| 3/4"   | <b>B5101S075CC-C</b>                                  | <b>B5101V075CC-C</b>                             | <b>B5101E075CC-C</b>                              |
| 1"     | <b>B5101S100CC-C</b>                                  | <b>B5101V100CC-C</b>                             | <b>B5101E100CC-C</b>                              |
| 1 1/2" | <b>B5101S150CC-C</b>                                  | <b>B5101V150CC-C</b>                             | <b>B5101E150CC-C</b>                              |
| 2"     | <b>B5101S200CC-C</b>                                  | <b>B5101V200CC-C</b>                             | <b>B5101E200CC-C</b>                              |
| 2 1/2" | <b>B5101S250CC-C</b>                                  | <b>B5101V250CC-C</b>                             | <b>B5101E250CC-C</b>                              |
| 3"     | <b>B5101S300CC-C</b>                                  | <b>B5101V300CC-C</b>                             | <b>B5101E300CC-C</b>                              |
| 4"     | <b>B5101S400CC-C</b>                                  | <b>B5101V400CC-C</b>                             | <b>B5101E400CC-C</b>                              |

| Size   | Dimensions |      |      |      |      |       |      |
|--------|------------|------|------|------|------|-------|------|
|        | A          | B    | C    | D    | E    | F     | G    |
| 1/2"   | 6.6"       | 3.0" | 1.7" | 0.9" | 3.5" | .37"  | 3.1" |
| 3/4"   | 6.6"       | 3.0" | 1.7" | 0.9" | 3.5" | .62"  | 3.1" |
| 1"     | 6.6"       | 3.0" | 1.7" | 0.9" | 3.5" | .90"  | 3.1" |
| 1 1/2" | 6.6"       | 3.0" | 1.7" | 0.9" | 3.5" | 1.40" | 3.1" |
| 2"     | 6.6"       | 3.5" | 1.7" | 0.9" | 3.8" | 1.90" | 3.9" |
| 2 1/2" | 6.6"       | 3.7" | 1.7" | 0.9" | 3.8" | 2.40" | 4.6" |
| 3"     | 6.6"       | 3.9" | 1.7" | 1.2" | 4.1" | 2.90" | 5.2" |
| 4"     | 6.6"       | 4.8" | 1.7" | 1.2" | 4.8" | 3.80" | 6.7" |

**Repair Kits for Butterfly Valves****Features:**

Repair kit contains:

- (1) seat
- (2) bushings

for valves located on pages 633 and 634



| Valve<br>Size | Black EPDM<br>Part # | Red Silicone<br>Part # | Brown FKM<br>Part # |
|---------------|----------------------|------------------------|---------------------|
| 1/2" - 1"     | <b>B5101-RKE100</b>  | <b>B5101-RKS100</b>    | <b>B5101-RKV100</b> |
| 1 1/2"        | <b>B5101-RKE150</b>  | <b>B5101-RKS150</b>    | <b>B5101-RKV150</b> |
| 2"            | <b>B5101-RKE200</b>  | <b>B5101-RKS200</b>    | <b>B5101-RKV200</b> |
| 2 1/2"        | <b>B5101-RKE250</b>  | <b>B5101-RKS250</b>    | <b>B5101-RKV250</b> |
| 3"            | <b>B5101-RKE300</b>  | <b>B5101-RKS300</b>    | <b>B5101-RKV300</b> |
| 4"            | <b>B5101-RKE400</b>  | <b>B5101-RKS400</b>    | <b>B5101-RKV400</b> |
| 6"            | <b>B5101-RKE600</b>  | <b>B5101-RKS600</b>    | ---                 |
| 8"            | <b>B5107-RKE800</b>  | ---                    | ---                 |

Our commitment to excellence and continuous research and development for improving product quality may warrant periodic changes in design and specification. We reserve the right to modify product design without prior notification and without incurring any liability to provide these modifications to products previously purchased.

**Butterfly Valves****Clamp****Materials:**

- contact product surfaces: sanitary finish 316L stainless steel
- seat: silicone, EPDM, FKM

**Features:**

- all sizes use only ¾" of line space
- the grooved clamp housing connects directly to the corresponding sanitary clamp size
- PTFE valve disc bushings reduce friction and increase cycle life
- 3-position reversible handle
- 100% tested / 100% inspected
- can be serviced in field (no special tools required)
- can be modified for lockout / tagout
- various automated options available

**Specifications:**

- vacuum rating: 0.4 inches Hg @ 68°F (20°C)
- operating temperature range: 15°F to 200°F (-9°C to 93°C)

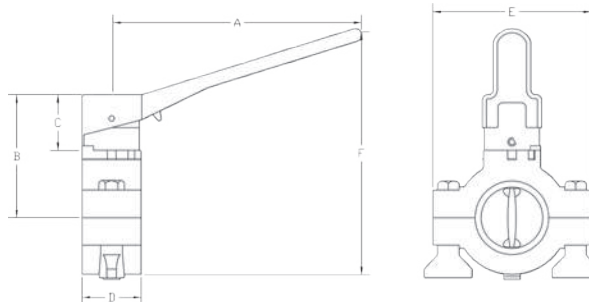
Information supplied based on water media @ 68°F (20°C)

| Size | Break Torque<br>(in-lbs.) | Assembly Torque<br>(in-lbs.) | Pressure Rating<br>(PSI) | Flow Coefficient<br>(C <sub>v</sub> ) | Weight w/standard<br>handle (lbs.) |
|------|---------------------------|------------------------------|--------------------------|---------------------------------------|------------------------------------|
| 1"   | 125                       | 36                           | <b>140</b>               | 23                                    | 1.5                                |
| 1½"  | 185                       | 36                           | <b>140</b>               | 80                                    | 2                                  |
| 2"   | 200                       | 21.6                         | <b>120</b>               | 230                                   | 2.5                                |
| 2½"  | 260                       | 21.6                         | <b>120</b>               | 264                                   | 3                                  |
| 3"   | 350                       | 28.8                         | <b>100</b>               | 372                                   | 4                                  |
| 4"   | 495                       | 43.2                         | <b>70</b>                | 800                                   | 6                                  |

| Size | 316L Stainless Steel with<br>Silicone Seats<br>Part # | 316L Stainless Steel with<br>FKM Seats<br>Part # | 316L Stainless Steel with<br>EPDM Seats<br>Part # |
|------|---|--|---|
| 1"   | <b>B5102S100-A</b>                                    | <b>B5102V100-A</b>                               | <b>B5102E100-A</b>                                |
| 1½"  | <b>B5102S150-A</b>                                    | <b>B5102V150-A</b>                               | <b>B5102E150-A</b>                                |
| 2"   | <b>B5102S200-A</b>                                    | <b>B5102V200-A</b>                               | <b>B5102E200-A</b>                                |
| 2½"  | <b>B5102S250-A</b>                                    | <b>B5102V250-A</b>                               | <b>B5102E250-A</b>                                |
| 3"   | <b>B5102S300-A</b>                                    | <b>B5102V300-A</b>                               | <b>B5102E300-A</b>                                |
| 4"   | <b>B5102S400-A</b>                                    | <b>B5102V400-A</b>                               | <b>B5102E400-A</b>                                |



| Size | Dimensions |      |      |      |      |      | PSI @<br>68°F<br>(20°C) |
|------|------------|------|------|------|------|------|-------------------------|
|      | A          | B    | C    | D    | E    | F    |                         |
| 1"   | 5.6"       | 2.8" | 1.3" | 1.3" | 3.6" | 5.6" | <b>140</b>              |
| 1½"  | 5.6"       | 2.8" | 1.3" | 1.3" | 3.6" | 5.6" | <b>140</b>              |
| 2"   | 5.6"       | 3.0" | 1.3" | 1.3" | 4.1" | 6.1" | <b>120</b>              |
| 2½"  | 5.6"       | 3.3" | 1.3" | 1.3" | 4.6" | 6.6" | <b>120</b>              |
| 3"   | 5.6"       | 3.6" | 1.3" | 1.3" | 5.3" | 7.1" | <b>100</b>              |
| 4"   | 5.6"       | 4.1" | 1.3" | 1.3" | 6.4" | 8.2" | <b>70</b>               |

**Repair Kits for Clamp Butterfly Valves**

Repair kit contains:

- (1) seat
- (2) bushings

| Valve<br>Size | Black EPDM<br>Part # | Red Silicone<br>Part # | Brown FKM<br>Part # |
|---------------|----------------------|------------------------|---------------------|
| 1"            | <b>B5102-RKE100</b>  | <b>B5102-RKS100</b>    | <b>B5102-RKV100</b> |
| 1½"           | <b>B5102-RKE150</b>  | <b>B5102-RKS150</b>    | <b>B5102-RKV150</b> |
| 2"            | <b>B5102-RKE200</b>  | <b>B5102-RKS200</b>    | <b>B5102-RKV200</b> |
| 2½"           | <b>B5102-RKE250</b>  | <b>B5102-RKS250</b>    | <b>B5102-RKV250</b> |
| 3"            | <b>B5102-RKE300</b>  | <b>B5102-RKS300</b>    | <b>B5102-RKV300</b> |
| 4"            | <b>B5102-RKE400</b>  | <b>B5102-RKS400</b>    | <b>B5102-RKV400</b> |

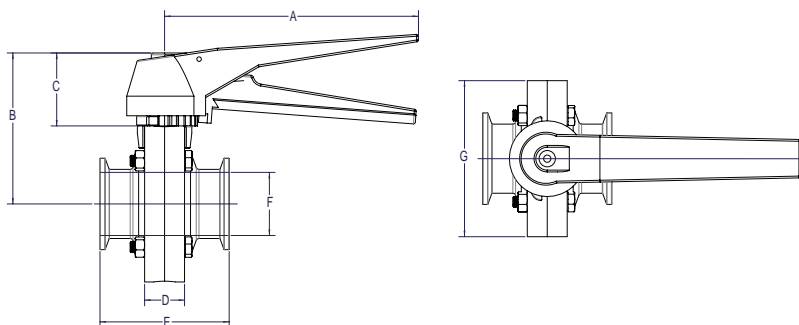


B5102-RKS100

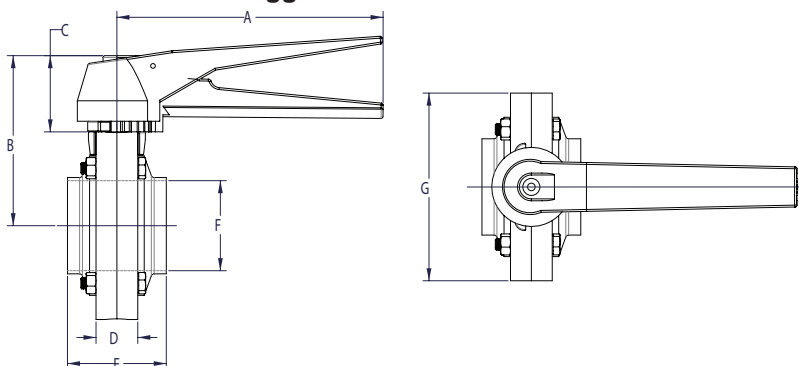


**NEW****B5115 Series - 304 Stainless Steel Butterfly Valves****Features:**

- 100% tested / 100% inspected
- product contact are sanitary finish to  $<32R_a$
- can be serviced in field
- silicone seats
- blue trigger handle
- operating temperature range: **15°F to 200°F (-9°C to 93°C)**
- maximum operating pressure: **110 PSI**

**Clamp End with Trigger Handle**

| Size | Dimensions |       |       |       |       |       |       | 304 Stainless Steel<br>Part # |
|------|------------|-------|-------|-------|-------|-------|-------|-------------------------------|
|      | A          | B     | C     | D     | E     | F     | G     |                               |
| 1½"  | 5.70"      | 3.40" | 1.60" | 0.87" | 2.80" | 1.40" | 3.40" | <b>B5115S150CC-C</b>          |
| 2"   | 5.70"      | 3.60" | 1.60" | 0.87" | 3.00" | 1.90" | 3.90" | <b>B5115S200CC-C</b>          |
| 3"   | 5.70"      | 4.20" | 1.60" | 0.87" | 3.30" | 2.90" | 5.00" | <b>B5115S300CC-C</b>          |
| 4"   | 6.89"      | 5.51" | 1.60" | 0.87" | 3.62" | 3.83" | 6.89" | <b>B5115S400CC-C</b>          |

**Weld End with Trigger Handle**

| Size | Dimensions |       |       |       |       |       |       | 304 Stainless Steel<br>Part # |
|------|------------|-------|-------|-------|-------|-------|-------|-------------------------------|
|      | A          | B     | C     | D     | E     | F     | G     |                               |
| 1½"  | 5.70"      | 3.40" | 1.60" | 0.87" | 1.97" | 1.40" | 3.40" | <b>B5115S150BB-C</b>          |
| 2"   | 5.70"      | 3.60" | 1.60" | 0.87" | 2.05" | 1.90" | 3.90" | <b>B5115S200BB-C</b>          |
| 3"   | 5.70"      | 4.20" | 1.60" | 0.87" | 2.12" | 2.90" | 5.00" | <b>B5115S300BB-C</b>          |
| 4"   | 6.89"      | 5.51" | 1.60" | 0.87" | 2.52" | 3.83" | 6.89" | <b>B5115S400BB-C</b>          |

**Replacement Seats**

| Size | Part #              |
|------|---------------------|
| 1½"  | <b>B5115-RKS150</b> |
| 2"   | <b>B5115-RKS200</b> |
| 3"   | <b>B5115-RKS300</b> |
| 4"   | <b>B5115-RKS400</b> |

Note: Cannot be actuated and is supplied with silicone seats only.

## HSC Series Spring Check Valve

Sanitary  
Fittings**Features:**

- single piece upper body spider design
- machined from solid bar
- standard O-ring and gasket seal design
- can be serviced in field (no special tools required)
- finish: sanitary polish 32 R<sub>a</sub>
- suitable for low and medium viscosity fluids
- connection: clamp (standard), others available upon request

| Size   | Pressure Rating | Cracking Pressure (PSI) | Operating Temperature           | 316L stainless steel Part # |
|--------|-----------------|-------------------------|---------------------------------|-----------------------------|
| 1/2"   | 145 PSI         | 10.0                    | 15°F to 200°F<br>(-9°C to 93°C) | HSC*050                     |
| 3/4"   |                 | 4.0                     |                                 | HSC*075                     |
| 1"     |                 | 2.5                     |                                 | HSC*100                     |
| 1 1/2" |                 | 1.0                     |                                 | HSC*150                     |
| 2"     |                 | 1.5                     |                                 | HSC*200                     |
| 2 1/2" |                 | 0.8                     |                                 | HSC*250                     |
| 3"     |                 | 0.5                     |                                 | HSC*300                     |
| 4"     |                 | 0.4                     |                                 | HSC*400                     |



\*V=FKM or E=EPDM

**Repair Kits**

| Size   | Part #     |
|--------|------------|
| 1/2"   | HSC-RK*050 |
| 3/4"   | HSC-RK*075 |
| 1"     | HSC-RK*100 |
| 1 1/2" | HSC-RK*150 |
| 2"     | HSC-RK*200 |
| 2 1/2" | HSC-RK*250 |
| 3"     | HSC-RK*300 |
| 4"     | HSC-RK*400 |

1/2"-3/4" repair kit contains:  
 (1) body gasket  
 (1) plunger O-ring  
 (1) spider O-ring

1"-4" repair kit contains:  
 (1) body gasket  
 (1) plunger O-ring

\*V=FKM or E=EPDM

**Dimensions**

| Size   | A    |
|--------|------|
| 1/2"   | 2.7" |
| 3/4"   | 2.7" |
| 1"     | 3.3" |
| 1 1/2" | 3.4" |
| 2"     | 3.4" |
| 2 1/2" | 3.4" |
| 3"     | 3.4" |
| 4"     | 4.1" |





## B45BY Series Y - Ball Check Valve

**Applications:**

- When liquid flows through the valve, the ball is forced into the branch of the valve allowing full fluid flow. When the liquid stops, equalizing the pressure, the ball drops back into the seat, preventing backflow. Should reverse flow occur, the differential pressure will cause the ball to seal firmly against the seat preventing leakage.

**Materials:**

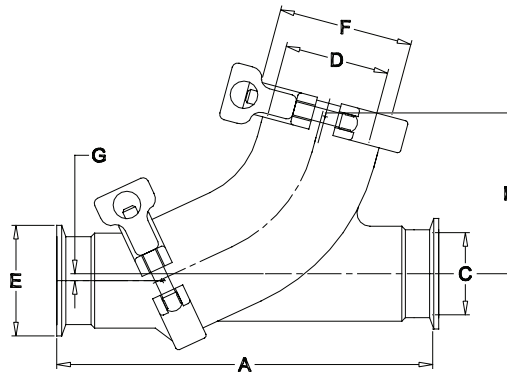
- ball: PTFE
- product contact surfaces: 316L stainless steel

**Features:**

- two-piece construction
- replaceable seat
- can be serviced in field (no special tools required)

**Specifications:**

- operating temperature range: 15°F to 200°F (-9°C to 93°C)
- maximum operating pressure: 150 PSI

**Dimensions**

| Valve Size | Clamp & Cap Size | A      | B     | C     | D     | E     | F     | G     | Ball Diameter | Weight (lbs) | 316L Stainless Steel Part # |
|------------|------------------|--------|-------|-------|-------|-------|-------|-------|---------------|--------------|-----------------------------|
| 1½"        | 2"               | 7.50"  | 3.30" | 1.36" | 1.87" | 1.98" | 2.51" | 0.16" | 1.6"          | 4.9          | <b>B45BY-R150</b>           |
| 2"         | 2½"              | 8.50"  | 3.90" | 1.86" | 2.33" | 2.51" | 3.04" | 0.16" | 2.1"          | 6.6          | <b>B45BY-R200</b>           |
| 2½"        | 3"               | 10.00" | 4.50" | 2.37" | 2.87" | 3.04" | 3.57" | 0.16" | 2.7"          | 10.5         | <b>B45BY-R250</b>           |
| 3"         | 4"               | 11.50" | 5.30" | 2.87" | 3.83" | 3.57" | 4.68" | 0.16" | 3.6"          | 17.5         | <b>B45BY-R300</b>           |

All dimensions are approximate. Engineering dimensions are available upon request.  
Specifications are subject to change without notice.

**Repair and Seal Kits**

Repair kit contains:

- (1) EPDM cap gasket
- (1) PTFE ball
- (1) EPDM/CF8M seat

Seal kit contains:

- (1) EPDM cap gasket
- (1) EPDM/CF8M seat

FKM seal kit contains:

- (1) FKM cap gasket
- (1) FKM /CF8M seat

| Size | Repair Kit Part #  | Seal Kit Part #    | FKM Seal Kit Part # | Replacement Ball Only Part # |
|------|--------------------|--------------------|---------------------|------------------------------|
| 1½"  | <b>B45BY-RK150</b> | <b>B45BY-SK150</b> | <b>B45BY-SKV150</b> | <b>B45BY-TB150</b>           |
| 2"   | <b>B45BY-RK200</b> | <b>B45BY-SK200</b> | <b>B45BY-SKV200</b> | <b>B45BY-TB200</b>           |
| 2½"  | <b>B45BY-RK250</b> | <b>B45BY-SK250</b> | <b>B45BY-SKV250</b> | <b>B45BY-TB250</b>           |
| 3"   | <b>B45BY-RK300</b> | <b>B45BY-SK300</b> | <b>B45BY-SKV300</b> | <b>B45BY-TB300</b>           |

## B45 Air Blow Check Valves


**Materials:**

- 316L stainless steel
- stem seat and gasket: EPDM

**Features:**

- Conforms to 3A standards for filtration of air entering tanks or pipelines with optional filter disc
- filter discs sold separately in packs of 50

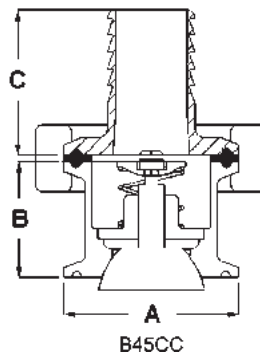
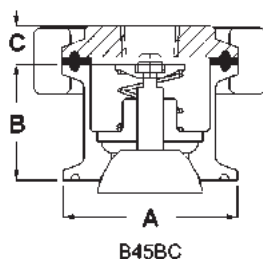
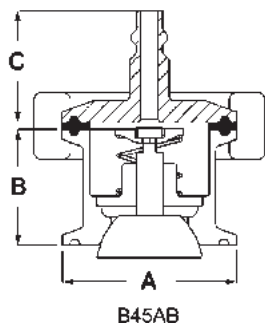
**Specifications:**

- maximum operating temperature: **212°F (100°C)**
- maximum operating pressure: **145 PSI**

| Size     | Quick-Connect Plug<br>Part # | Female NPT<br>Part # | Hose Barb<br>Part #  |
|----------|------------------------------|----------------------|----------------------|
| 1" - 1½" | <b>B45AB-R100150</b>         | <b>B45BC-R100150</b> | <b>B45CC-R100150</b> |
| 2"       | <b>B45AB-R200</b>            | <b>B45BC-R200</b>    | <b>B45CC-R200</b>    |
| 2½"      | <b>B45AB-R250</b>            | <b>B45BC-R250</b>    | <b>B45CC-R250</b>    |
| 3"       | <b>B45AB-R300</b>            | <b>B45BC-R300</b>    | <b>B45CC-R300</b>    |
| 4"       | <b>B45AB-R400</b>            | <b>B45BC-R400</b>    | <b>B45CC-R400</b>    |

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Fittings

Can be used on the  
Dixon® B45BY Series Y-Ball  
Check Valves

**Dimensions**

| Size   | A      | B     | C<br>Plug | C<br>FNPT | C<br>Hose Barb |
|--------|--------|-------|-----------|-----------|----------------|
| 1"-1½" | 1.984" | 1.30" | 1.26"     | .6"       | 1.7"           |
| 2"     | 2.516" | 1.30" | 1.26"     | .6"       | 1.7"           |
| 2½"    | 3.047" | 1.30" | 1.26"     | .6"       | 1.7"           |
| 3"     | 3.579" | 1.30" | 1.26"     | .6"       | 1.7"           |
| 4"     | 4.682" | 1.30" | 1.26"     | .6"       | 1.7"           |

All dimensions are approximate. Engineering dimensions are available upon request.  
Specifications are subject to change without notice.

**Repair Kit**

Repair kit, **B45AB-RK**, contains:

- (1) EPDM / 316L stainless perforated disc
- (1) 304 stainless spring retainer
- (1) 304 stainless spring
- (1) nylon stem guide
- (1) 316L / EPDM stem and plug

**Sizing Chart**

When using air blow check valves with ball check valves, refer to the sizing chart below.

| Ball Check Valve size | Air Blow Check Valve size |
|-----------------------|---------------------------|
| 1½"                   | 2"                        |
| 2"                    | 2½"                       |
| 2½"                   | 3"                        |
| 3"                    | 4"                        |

## Air &amp; Vacuum Relief Tank Vent Valves

**Applications:**

- When product filling or emptying a tank, this valve is used to relieve pressure or vacuum

**Features:**

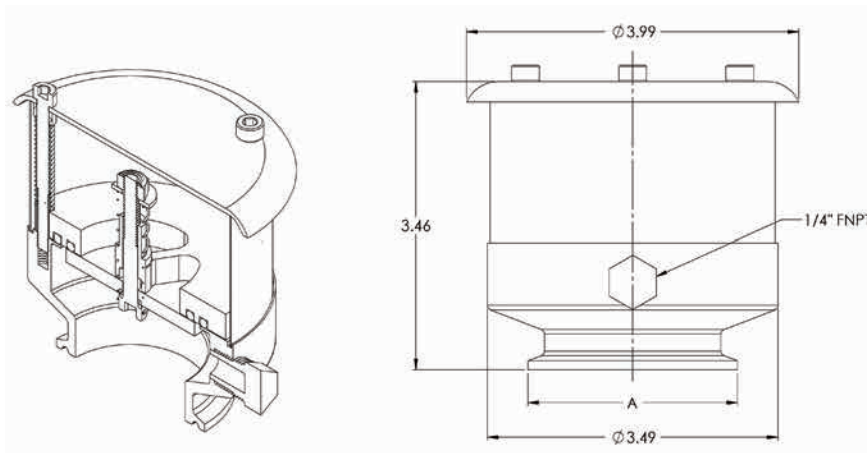
- Triple Action:
  - valve relieves pressure as the fluid level rises while filling a tank
  - valve relieves vacuum as the fluid level drops while emptying a tank
  - seals under equal pressure
- stainless steel screen surrounds the entire vacuum and pressure flow area
- other sanitary connections optional
- 1/4" FNPT connection for gas inlet, plug also supplied
- repair kits available

**Materials:**

- 304 stainless steel, EPDM elastomer

**Specifications:**

- vacuum break: 2" water column, 0.1 PSI
- pressure relief: 22" water column, 0.8 PSI
- maximum temperature and pressure rating: **3 PSI @ 70°F (21°C)**
- maximum flow rate: 500 GPM



| Tube OD | Dimension A | 304 Stainless Steel<br>Part # |
|---------|-------------|-------------------------------|
| 2"      | 2.52"       | <b>TVSEC-G200</b>             |
| 3"      | 3.58"       | <b>TVSEC-G300</b>             |
| 4"      | 4.68"       | <b>TVSEC-G400</b>             |



Due to the impossible determination of whether a tank was damaged due to the tank vent or the lack of opening the upper manhole during product transfer, Dixon Sanitary assumes no liability for tank damage or product loss.

All dimensions are approximate. Engineering dimensions are available upon request.  
Specifications are subject to change without notice.

Air & Vacuum Relief Tank Vent Valve

Material:

- light weight, robust PVC and 304 stainless steel construction

Features:

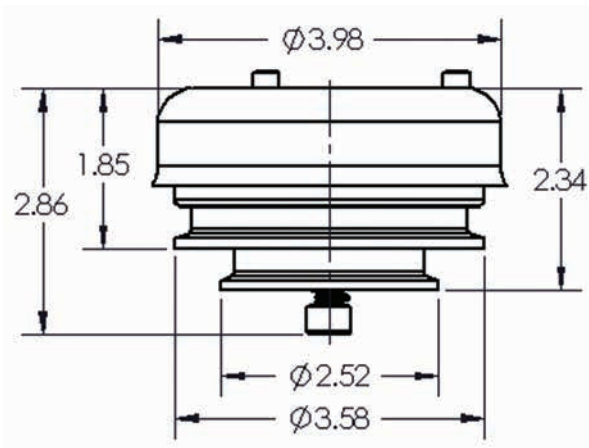
- dome helps in preventing external contamination
- can use any clamp gasket

Specifications:

- maximum flow rate: 500 GPM
- vacuum break: 0.1 **PSI**
- pressure relief: 0.1 **PSI**

|         |                               |
|---------|-------------------------------|
| Size    | 304 Stainless Steel<br>Part # |
| 2" - 3" | <b>TVPC200-300</b>            |

Dimensions



Due to the impossible determination of whether a tank was damaged due to the tank vent or the lack of opening the upper manhole during product transfer, Dixon Sanitary assumes no liability for tank damage or product loss.

All dimensions are approximate. Engineering dimensions are available upon request.  
Specifications are subject to change without notice.



### 3A Sample Valves with Manual Handle

#### Applications:

- The 3A sample valve allows easy and safe sampling of liquids from closed systems such as vessels and pipelines.
- These valves are located in the pharmaceutical, bio-pharmaceutical, biochemical, cosmetic, food, dairy and beverage markets.

#### Features:

- valve body made from solid bar
- no dead space
- drainable
- connections suitable for orbital welding
- available with single or dual ports
- hermetically sealed against environment
- optimum cleanability
- change of seals without special tools
- long life of the PTFE-bellows
- low spare part costs
- options for pneumatic actuator: no lever, with self-closing lever and with lever for open position
- manual actuator (hand wheel)

#### Materials:

- In product contact: 1.4404/AISI 316L
- Non product contact: 1.4301/AISI 304
- Product contact seals: PTFE bellows
- Surfaces: wetted product surfaces:  $R_a \leq 32$  (optional surface finishes available). Non product contact:  $R_a \leq 63$

#### Specifications:

- Closing tension operating pressure: maximum **116 PSI**
- Hand wheel version operating pressure: minimum **87 PSI**, maximum **232 PSI**
- Controlled air pressure: maximum **145 PSI**



single port



double port

| Clamp<br>Valve Size | Weld Port<br>Size | Single Port<br>Part # | Dual Port<br>Part #   |
|---------------------|-------------------|-----------------------|-----------------------|
| 1/2"                | 1/4"              | <b>BSVS-HC050B025</b> | <b>BSVD-HC050B025</b> |
| 1/2"                | 3/8"              | <b>BSVS-HC050B375</b> | <b>BSVD-HC050B375</b> |
| 1/2"                | 1/2"              | <b>BSVS-HC050B050</b> | <b>BSVD-HC050B050</b> |
| 1" - 1 1/2"         | 1/4"              | <b>BSVS-HC100B025</b> | <b>BSVD-HC100B025</b> |
| 1" - 1 1/2"         | 3/8"              | <b>BSVS-HC100B375</b> | <b>BSVD-HC100B375</b> |
| 1" - 1 1/2"         | 1/2"              | <b>BSVS-HC100B050</b> | <b>BSVD-HC100B050</b> |
| 2"                  | 1/4"              | <b>BSVS-HC200B025</b> | <b>BSVD-HC200B025</b> |
| 2"                  | 3/8"              | <b>BSVS-HC200B375</b> | <b>BSVD-HC200B375</b> |
| 2"                  | 1/2"              | <b>BSVS-HC200B050</b> | <b>BSVD-HC200B050</b> |
| 2 1/2"              | 1/4"              | <b>BSVS-HC250B025</b> | <b>BSVD-HC250B025</b> |
| 2 1/2"              | 3/8"              | <b>BSVS-HC250B375</b> | <b>BSVD-HC250B375</b> |
| 2 1/2"              | 1/2"              | <b>BSVS-HC250B050</b> | <b>BSVD-HC250B050</b> |
| 3"                  | 1/4"              | <b>BSVS-HC300B025</b> | <b>BSVD-HC300B025</b> |
| 3"                  | 3/8"              | <b>BSVS-HC300B375</b> | <b>BSVD-HC300B375</b> |
| 3"                  | 1/2"              | <b>BSVS-HC300B050</b> | <b>BSVD-HC300B050</b> |
| 4"                  | 1/4"              | <b>BSVS-HC400B025</b> | <b>BSVD-HC400B025</b> |
| 4"                  | 3/8"              | <b>BSVS-HC400B375</b> | <b>BSVD-HC400B375</b> |
| 4"                  | 1/2"              | <b>BSVS-HC400B050</b> | <b>BSVD-HC400B050</b> |

## Electrically Actuated Stainless Steel Ball Valves

## 2-Piece

## Features:

## 2-Piece Stainless Steel Ball Valve

- body, ends and ball: CF8M stainless
- seats: RTFE
- seals: PTFE
- blow-out proof stem
- ISO 5211 mounting pad
- pressure rating: 1/4" - 2" **1000 PSI WOG**, 2 1/2" - 3" **800 PSI WOG**
- temperature range: 1/2" to 2": **-40°F to 350°F (-40°C to 177°C)**, 3" to 4": **-40°F to 325°F (-40°C to 163°C)**

## Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F to 140°F (-41°C to 60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant

Sanitary  
Fittings

## 3-Piece

## Features:

## 3-Piece Stainless Steel Ball Valve

- body and ball: CF8M stainless steel
- stem: 316 stainless steel
- seat: RTFE
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- swing out design allows easy maintenance
- maximum pressure: 1/4" - 2" **1,000 PSI WOG** at 65°F, 2 1/2" - 3" **800 PSI WOG** at 65°F, 4" **600 PSI WOG** at 65°F
- temperature range: 1/2" to 2": **-40°F to 350°F (-40°C to 177°C)**, 3" to 4": **-40°F to 325°F (-40°C to 163°C)**

## Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F to 140°F (-41°C to 60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant



J

A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.



## Electrically Actuated Brass Ball Valves

Sanitary  
Fittings



### Features:

#### 2-Piece Brass Ball Valve

- ½" to 2" brass; 3" bronze
- elastomers: FKM
- stem: blow-out proof brass
- seats: PTFE with double O-ring stem packing
- ISO 5211 mounting pad
- pressure rating: - **600 PSI WOG, 150 PSI WOG**
- maximum temperature: **300°F (149°C)**

#### Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F to 140°F (-41°C to 60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant

A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.

For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.



## Electrically Actuated 3-Way Ball Valves - 'T / L' Port

### 3-Way Stainless Steel

#### Features:

##### 3-Way Stainless Steel Ball Valve

- body and ball: CF8M stainless steel
- seats and seals: RTFE
- full port with FNPT ends
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- working pressure: ¼" to 1": **1000 PSI WOG**; 1¼" to 2": **800 PSI WOG**
- maximum temperature: **350°F (177°C)**

#### Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F to 140°F (-41°C to 60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant



Sanitary  
Fittings

### 3-Way Brass

#### Features:

##### 3-Way Brass Ball Valve

- body: brass
- seats: PTFE with O-ring backing
- reduced port ball valves with FNPT ends
- blow-out proof stem
- ISO 5211 mounting pad
- pressure rating: **400 PSI WOG, 100 PSI WSP**
- maximum temperature: **300°F (149°C)**

#### Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F to 140°F (-41°C to 60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant



A flow path needs to be selected at time of order. See page 651 for flow path options.

Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.



## Pneumatically Actuated Stainless Steel Ball Valves

### 2-Piece

#### Features:

##### 3-Piece Stainless Steel Ball Valve

- body, ends and ball: CF8M stainless
- seats: RTFE
- seals: PTFE
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- pressure rating: ¼" - 2" **1000 PSI WOG**, 2½" - 3" **800 PSI WOG**
- temperature range: ¼" to 2": **-40°F to 350°F (-40°C to 177°C)**, 2½" to 3": **-40°F to 325°F (-40°C to 163°C)**

##### Rack and Pinion Actuator

- body: hard anodized aluminum
- anti-blowout pinion: nickel plated anti-blowout pinion
- O-rings: Buna-N
- NAMUR mounting
- bi-directional stops for ±5° travel adjustment
- **80 PSI** plant air required
- visual position indication
- maximum operating pressure: **120 PSI**
- temperature range: **-40°F to 200°F (-40°C to 93°C)**
- tested to one million cycles
- for spring return actuators must note fail position

Sanitary  
Fittings



### 3-Piece

#### Features:

##### 3-Piece Stainless Steel Ball Valve

- body and ball: CF8M stainless steel
- stem: 316 stainless steel
- seat: RTFE
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- swing out design allows easy maintenance
- maximum pressure: ¼" - 2" **1,000 PSI WOG** at 65°F, 2½" - 3" **800 PSI WOG** at 65°F, 4" **600 PSI WOG** at 65°F
- temperature range: ½" to 2" **-40°F to 350°F (-40°C to 177°C)**, 3" to 4": **-40°F to 325°F (-40°C to 163°C)**

##### Rack and Pinion Actuator

- body: hard anodized aluminum
- anti-blowout pinion: nickel plated
- O-rings: Buna-N
- NAMUR mounting
- bi-directional stops for ±5° travel adjustment
- 80 PSI plant air required
- visual position indication
- maximum operating pressure: **120 PSI**
- temperature range: **-40°F to 200°F (-40°C to 93°C)**
- tested to one million cycles
- for spring return actuators must note fail position



A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.



## Pneumatically Actuated Brass Ball Valves

### Features:

#### 2-Piece Brass Ball Valve

- body: ¼ " to 2" brass, 2½" - 4" bronze
- seats: PTFE
- ends: FNPT
- brass ball
- FKM elastomers
- blow-out proof stem
- PTFE seats with double O-ring stem packing
- ISO 5211 mounting pad
- pressure rating: - **600 PSI** WOG, **150 PSI** WSP
- maximum temperature: **300°F (149°C)**

#### Rack and Pinion Actuator

- body: hard anodized aluminum
- anti-blowout pinion: nickel plated
- O-rings: Buna-N
- NAMUR mounting
- bi-directional stops for ±5° travel adjustment
- 80 PSI plant air required
- visual position indication
- maximum operating pressure: **120 PSI**
- temperature range: **-40°F to 200°F (-40°C to 93°C)**
- tested to one million cycles
- for spring return actuators must note fail position



Sanitary  
Fittings

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.

For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.





## Pneumatically Actuated 3-Way Stainless Steel Ball Valves - 'T / L' Port

Sanitary  
Fittings



### Features:

#### 3-Way Stainless Steel Ball Valve

- full port ball valves with FNPT ends
- body and ball: CF8M stainless steel
- seats and seals: RTFE
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- working pressure: ¼" to 1": **1000 PSI WOG**; 1¼" to 2": **800 PSI WSP**
- maximum temperature: **350°F (177°C)**

#### Rack and Pinion Actuator

- body: hard anodized aluminum
  - anti-blowout pinion: nickel plated
  - O-rings: Buna-N
  - NAMUR mounting
  - bi-directional stops for ±5° travel adjustment
  - 80 PSI plant air required
  - visual position indication
  - maximum operating pressure: **120 PSI**
  - temperature range: **-40°F to 200°F (-40° to 93°C)**
  - tested to one million cycles
  - for spring return actuators must note fail position
- A flow path needs to be selected at time of order. See page 651 for flow path options.
  - Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.

For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.



## Pneumatically Actuated 3-Way Brass Ball Valves - 'T / L' Port

### Features:

#### 3-Way Brass Ball Valve

- reduced port brass ball valves with FNPT ends
- blow-out proof stem
- body: brass
- seats: PTFE with O-ring backing
- ball: chrome-plated brass
- PTFE seats with O-ring backing for low operating torque
- ISO 5211 mounting pad
- pressure rating: **400 PSI WOG 100 PSI WSP**
- maximum temperature: **300°F (149°C)**

#### Rack and Pinion Actuator

- body: hard anodized aluminum
  - anti-blowout pinion: nickel plated
  - O-rings: Buna-N
  - NAMUR mounting
  - bi-directional stops for  $\pm 5^\circ$  travel adjustment
  - 80 PSI plant air required
  - visual position indication
  - maximum operating pressure: **120 PSI**
  - temperature range: **-40°F to 200°F (-40°C to 93°C)**
  - tested to one million cycles
  - for spring return actuators must note fail position
- A flow path needs to be selected at time of order. See page 651 for flow path options.
  - Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.



Sanitary  
Fittings

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.



## Pneumatically Actuated Wafer Butterfly Valves

### Rack and Pinion Actuator

#### Features:

- bi-directional stops for  $\pm 5^\circ$  travel adjustment
- **80 PSI** plant air required
- body: hard anodized aluminum
- anti-blowout pinion: nickel plated
- O-rings: Buna-N
- maximum operating pressure: **120 PSI**
- temperature range: **-40°F to 200°F (-40°C to 93°C)**
- Namur mounting
- visual position indication
- tested to 1 million cycles
- for spring return actuators must note fail position



### Wafer

#### Features:

- installs between standard ANSI Class 150# flanges
- seat backing ring ensures blow-out proof service
- conforms to MSS-SP-67, MSS-SP-25, API-609
- body with extended neck: ductile iron
- disc: nickel plated ductile iron
- replaceable seat: EPDM
- no taper pins
- can be serviced in the field
- maximum operating pressure: **200 PSI** (bi-directional)
- temperature range: **-20°F to 250°F (-29°C to 121°C)**
- a wide variety of seat, disc and body materials are available

### Lug



#### Features:

- installs between standard ANSI Class 150# flanges
- seat backing ring ensures blow-out proof service
- conforms to MSS-SP-67, MSS-SP-25, API-609
- body with extended neck: ductile iron
- disc: nickel plated ductile iron
- replaceable seat: EPDM
- no taper pins
- can be serviced in the field
- maximum operating pressure: **200 PSI** (bi-directional)
- temperature range: **-20°F to 250°F (-29°C to 121°C)**
- a wide variety of seat, disc and body materials are available

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

# BV3/4 Series Multi-port Sanitary Stainless Steel Ball Valves

Sanitary  
Fittings

## Flow Paths

3-way 'L'-port  
position A



3-way 'L'-port  
position B



3-way 'L'-port  
position C



3-way 'T'-port  
position A



3-way 'T'-port  
position B



3-way 'T'-port  
position C



3-way 'T'-port  
position D



4-way 'L'-port  
position A



4-way 'L'-port  
position B



4-way 'L'-port  
position C



4-way 'L'-port  
position D



4-way 'T'-port  
position A



4-way 'T'-port  
position B



4-way 'T'-port  
position C



4-way 'T'-port  
position D



## Actuated Valve Accessories

### Limit Switches

#### Features:

- visual position indicator
- 3D open/close indication
- quick-set cam
- mechanical SPDT switches (standard)
- multipoint terminal strip
- various switch options available
- cable entry: (2) 1/2" NPT

#### Enclosures available:

##### NEMA 4 4/X

- water and dust tight for indoor or outdoor use
- corrosion resistant

##### NEMA 7

- water and dust tight for indoor or outdoor use
- corrosion resistant
- for use in indoor hazardous locations
- explosion proof



XLS-B4A0120P



| Enclosure | Part #              |
|-----------|---------------------|
| NEMA 4/4X | <b>XLS-B4A0120P</b> |
| NEMA 7    | <b>XLS-C7A0120P</b> |

### Solenoids

#### Features:

- pressure range: **30 PSI to 150 PSI**
- duty cycle: 100% extended duty
- voltages available: 12VDC, 24VDC, 24VAC, 48VAC, 110VAC, 220VAC
- electroless nickel plated spool
- easy-to-use manual override
- port sizes: inlet and exhaust 1/4" NPT
- NEMA 4 4/X Enclosure
  - water and dust tight for indoor or outdoor use
  - corrosion resistant



| Description | Voltage | Part #             |
|-------------|---------|--------------------|
| single coil | 115VAC  | <b>XSO-4S4D-0A</b> |
| single coil | 24VDC   | <b>XSO-4S4B-0A</b> |
| dual coil   | 115VAC  | <b>XSO-4D4D-0A</b> |
| dual coil   | 24VDC   | <b>XSO-4D4B-0A</b> |

### Positioners

#### Features:

- air capacity:
  - at 29 PSI (200kPa): 9.5 SCFM
  - at 87 PSI (600kPa): 28.3 SCFM
  - at 145 PSI (1MPa): 47.1 SCFM
- air connections: 1/4" NPT
- gauges: 1/8" NPT
- cable entry: 1/2" NPT

#### Electro-Pneumatic

- input range: 4-20mA (Ri<250ohms)
- supply pressure: 21.8 to 145 PSI (0.15 to 1MPa)
- linearity error: <1.0% f.s
- hysteresis: <0.6% f.s
- repeatability: <0.5% f.s

#### Pneumatic

- input range: 3 to 15 PSI (20-100kPa)
- supply pressure: < 145 PSI (<1MPa)
- linearity error: <0.7% f.s
- hysteresis: <0.4% f.s
- repeatability: <0.3% f.s



| Positioner Type   | Part #         |
|-------------------|----------------|
| Electro-Pneumatic | <b>XPO-E4F</b> |
| Pneumatic         | <b>XPO-P4F</b> |

**Threaded Pipe Fittings ..... 654 to 680**

|  |            |
|--|------------|
| NPT threaded bell reducers.....          | 654 to 655 |
| Adapters .....                           | 655        |
| NPT threaded couplings - both ends ..... | 656        |
| Merchant couplings .....                 | 656        |
| Threaded unions.....                     | 657        |
| NPT threaded reducing union.....         | 657        |
| Hex couplings.....                       | 657        |
| Reducer hex bushings.....                | 658 to 659 |
| Adapters .....                           | 659        |
| Nipples.....                             | 660 to 663 |
| Pipe.....                                | 660, 661   |
| Adapters.....                            | 660, 663   |
| Close.....                               | 661 to 662 |
| Hex.....                                 | 662        |
| 90° Elbows .....                         | 664 to 666 |
| NPT threaded.....                        | 664, 665   |
| Female pipe .....                        | 664        |
| NPT threaded reducing.....               | 665        |
| Street .....                             | 665        |
| NPT threaded street.....                 | 666        |
| 45° Elbows .....                         | 667        |
| Tees .....                               | 668 to 670 |
| NPT threaded female.....                 | 668        |
| Female extruded .....                    | 668        |
| Reducing tees.....                       | 669        |
| Street service.....                      | 669        |
| Bull head.....                           | 669        |
| Side outlet.....                         | 669        |
| Street .....                             | 670        |
| Male branch .....                        | 670        |
| Crosses .....                            | 670        |
| Caps .....                               | 671        |
| Plugs.....                               | 672        |
| Schedule 80 plastic fittings .....       | 673 to 676 |
| Tuff-Lite™ plastic fittings .....        | 673 to 676 |
| Bulkhead.....                            | 677        |
| Bolted fittings.....                     | 678        |
| Swage nipples .....                      | 679        |
| Bull plugs.....                          | 680        |

**Hammer Unions ..... 681 to 683**

|  |            |
|--|------------|
| Series 100, 200, 206, 400, 602, 1002, 1502 ..... | 681 to 683 |
| Hookie hook hose lifters .....                   | 683        |

**Weld to Metal Hose Fittings ..... 684****Wrench Grips..... 685****Pipe Couplings ..... 686 to 687**

|                        |     |
|------------------------|-----|
| Straub Grip-L.....     | 686 |
| Straub Open-Flex ..... | 687 |

**Flanges & Flange Adapters 688 to 689**

|  |            |
|--|------------|
| 150 lb. ASA.....                                   | 688 to 689 |
| King™ turned back weld-to-metal hose nipples ..... | 689        |

**Grooved Fittings ..... 690 to 702**

|  |     |
|--|-----|
| Quick release.....                             | 690 |
| Standard couplings.....                        | 691 |
| Lightweight flexible .....                     | 692 |
| Lite® couplings.....                           | 693 |
| Rigid couplings .....                          | 694 |
| Bolted clamps.....                             | 695 |
| Painted iron clamps with Baylast™ gaskets..... | 695 |
| Mechanical tees.....                           | 696 |
| Flange adapters.....                           | 697 |
| ANSI split flange .....                        | 697 |
| Reducing adapters .....                        | 697 |
| End fittings.....                              | 698 |
| Caps .....                                     | 699 |
| Nipples.....                                   | 699 |
| Butterfly valves .....                         | 699 |
| Gaskets .....                                  | 700 |
| Accessories .....                              | 701 |
| High density polyethylene couplings .....      | 702 |

**Line Strainers ..... 703**

|                            |     |
|----------------------------|-----|
| Y line.....                | 703 |
| Polypropylene T line ..... | 703 |

**LP Gas Fittings..... 704 to 706**

|                      |     |
|----------------------|-----|
| Adapters .....       | 704 |
| Couplings.....       | 705 |
| Gaskets .....        | 705 |
| Spanner wrench ..... | 705 |
| Caps and plugs.....  | 706 |

**Tube Fittings ..... 707 to 730**

|                                  |            |
|----------------------------------|------------|
| Instrumentation.....             | 707 to 710 |
| Compression .....                | 711 to 716 |
| Brass SAE 45° flare.....         | 717 to 719 |
| Flareless bite .....             | 720 to 722 |
| Sharkbite® push to connect ..... | 723 to 724 |
| LIQUIfit™ .....                  | 725 to 728 |
| TrueSeal™ ball valves.....       | 729 to 730 |



## NPT Threaded Bell Reducers

## Features:

- other sizes available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

| Female<br>NPT | Female<br>NPT | 300# Iron<br>Part # | 150# Iron<br>Part # | 150# Galvanized Iron<br>Part # |
|---------------|---------------|---------------------|---------------------|--------------------------------|
| 1/4"          | 1/8"          | ---                 | <b>BR1418</b>       | ---                            |
| 3/8"          | 1/8"          | ---                 | <b>BR3818</b>       | ---                            |
|               | 1/4"          | ---                 | <b>BR3825</b>       | ---                            |
| 1/2"          | 1/4"          | <b>300BR5025</b>    | <b>BR5025</b>       | <b>BR5025G</b>                 |
|               | 3/8"          | ---                 | <b>BR5038</b>       | <b>BR5038G</b>                 |
| 3/4"          | 1/4"          | ---                 | <b>BR7525</b>       | ---                            |
|               | 3/8"          | ---                 | <b>BR7538</b>       | ---                            |
|               | 1/2"          | <b>300BR7550</b>    | <b>BR7550</b>       | <b>BR7550G</b>                 |
| 1"            | 1/4"          | ---                 | <b>BR1025</b>       | ---                            |
|               | 3/8"          | ---                 | <b>BR1038</b>       | ---                            |
|               | 1/2"          | ---                 | <b>BR1050</b>       | <b>BR1050G</b>                 |
|               | 3/4"          | <b>300BR1075</b>    | <b>BR1075</b>       | <b>BR1075G</b>                 |
| 1 1/4"        | 1/2"          | ---                 | <b>BR1250</b>       | ---                            |
|               | 3/4"          | ---                 | <b>BR1275</b>       | ---                            |
|               | 1"            | <b>300BR1210</b>    | <b>BR1210</b>       | <b>BR1210G</b>                 |
| 1 1/2"        | 3/4"          | ---                 | <b>BR1575</b>       | ---                            |
|               | 1"            | <b>300BR1510</b>    | <b>BR1510</b>       | <b>BR1510G</b>                 |
|               | 1 1/4"        | <b>300BR1512</b>    | <b>BR1512</b>       | <b>BR1512G</b>                 |
| 2"            | 3/4"          | ---                 | <b>BR2075</b>       | ---                            |
|               | 1"            | <b>300BR2010</b>    | <b>BR2010</b>       | <b>BR2010G</b>                 |
|               | 1 1/4"        | <b>300BR2012</b>    | <b>BR2012</b>       | ---                            |
|               | 1 1/2"        | <b>300BR2015</b>    | <b>BR2015</b>       | <b>BR2015G</b>                 |
| 2 1/2"        | 1"            | ---                 | <b>BR2510</b>       | ---                            |
|               | 1 1/2"        | ---                 | <b>BR2515</b>       | ---                            |
|               | 2"            | ---                 | <b>BR2520</b>       | <b>BR2520G</b>                 |
| 3"            | 1"            | ---                 | <b>BR3010</b>       | ---                            |
|               | 1 1/4"        | ---                 | <b>BR3012</b>       | ---                            |
|               | 1 1/2"        | ---                 | <b>BR3015</b>       | ---                            |
|               | 2"            | ---                 | <b>BR3020</b>       | <b>BR3020G</b>                 |
|               | 2 1/2"        | ---                 | <b>BR3025</b>       | <b>BR3025G</b>                 |
| 4"            | 1"            | ---                 | <b>BR4010</b>       | ---                            |
|               | 1 1/2"        | ---                 | <b>BR4015</b>       | ---                            |
|               | 2"            | ---                 | <b>BR4020</b>       | ---                            |
|               | 2 1/2"        | ---                 | <b>BR4025</b>       | ---                            |
|               | 3"            | ---                 | <b>BR4030</b>       | <b>BR4030G</b>                 |
| 6"            | 3"            | ---                 | <b>BR6030</b>       | ---                            |
|               | 4"            | ---                 | <b>BR6040</b>       | ---                            |



300# iron



150# iron



150# galvanized iron

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## NPT Threaded Bell Reducers

## Features:

- other sizes available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

| Female NPT | Female NPT | 150# 316 Stain.Steel<br>Part # | 3000# Forged Steel<br>Part # | 125# Brass<br>Part #       |
|------------|------------|--------------------------------|------------------------------|----------------------------|
| 1/4"       | 1/8"       | ---                            | ---                          | ---                        |
| 3/8"       | 1/8"       | ---                            | ---                          | ---                        |
|            | 1/4"       | <b>BR3825SS</b>                | ---                          | ---                        |
| 1/2"       | 1/4"       | <b>BR5025SS</b>                | ---                          | ---                        |
|            | 3/8"       | <b>BR5038SS</b>                | <b>BR5038FS</b>              | <b>BR5038B<sup>1</sup></b> |
| 3/4"       | 3/8"       | <b>BR7538SS</b>                | ---                          | <b>3771206C</b>            |
|            | 1/2"       | <b>BR7550SS</b>                | <b>BR7550FS</b>              | <b>BR7550B<sup>1</sup></b> |
| 1"         | 1/2"       | <b>BR1050SS</b>                | ---                          | <b>BR1050B</b>             |
|            | 3/4"       | <b>BR1075SS</b>                | <b>BR1075FS</b>              | <b>BR1075B</b>             |
| 1 1/4"     | 1"         | <b>BR1210SS</b>                | ---                          | <b>BR1210B</b>             |
| 1 1/2"     | 3/4"       | ---                            | ---                          | <b>BR1575B</b>             |
|            | 1"         | <b>BR1510SS</b>                | <b>BR1510FS</b>              | <b>BR1510B</b>             |
|            | 1 1/4"     | <b>BR1512SS</b>                | <b>BR1512FS</b>              | ---                        |
| 2"         | 1"         | <b>BR2010SS</b>                | <b>BR2010FS</b>              | <b>BR2010B</b>             |
|            | 1 1/2"     | <b>BR2015SS</b>                | <b>BR2015FS</b>              | <b>BR2015B</b>             |
| 2 1/2"     | 2"         | ---                            | ---                          | <b>BR2520B</b>             |
| 3"         | 2"         | <b>BR3020SS</b>                | ---                          | <b>BR3020B</b>             |
| 4"         | 3"         | ---                            | ---                          | <b>BR4030B</b>             |

<sup>1</sup> items will be discontinued as stock is depleted



150# 316 stainless steel



3000# forged steel



125# brass

Pipe, Welding  
& Tube FittingsAdapters  
Reducer Couplings

## Feature:

- ref SAE 130138

| Female NPTF | Brass           |                 | Optional Qty | Lead Free Brass <sup>1, 2, 3</sup><br>Part # |
|-------------|-----------------|-----------------|--------------|--|
|             | Previous Part # | Part #          |              |  |
| 1/4" x 1/8" | RC2F1F          | <b>3770402C</b> | 50           | ---  |
| 3/8" x 1/8" | RC3F1F          | <b>3770602C</b> | 50           | ---  |
| 3/8" x 1/4" | RC3F2F          | <b>3770604C</b> | 50           | ---  |
| 1/2" x 1/4" | RC4F2F          | <b>3770804C</b> | 25           | ---  |
| 1/2" x 3/8" | RC4F3F          | <b>3770806C</b> | 10           | <b>3770806CLF</b>                            |
| 3/4" x 3/8" | RC6F3F          | <b>3771206C</b> | 10           | ---  |
| 3/4" x 1/2" | RC6F4F          | <b>3771208C</b> | 10           | <b>3771208CLF</b>                            |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>3</sup> NPT threads



- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



300# iron



150# iron



150# galvanized iron



150# 316 stainless steel



3000# forged steel



125# brass

## NPT Threaded Couplings

| Female NPT | 300# Iron<br>Part # | 150# Iron<br>Part # | 150# Galvanized Iron<br>Part # |
|------------|---------------------|---------------------|--------------------------------|
| 1/8"       | ---                 | <b>RHC18</b>        | <b>RHC18G</b>                  |
| 1/4"       | <b>300RHC25</b>     | <b>RHC25</b>        | <b>RHC25G</b>                  |
| 3/8"       | <b>300RHC38</b>     | <b>RHC38</b>        | <b>RHC38G</b>                  |
| 1/2"       | <b>300RHC50</b>     | <b>RHC50</b>        | <b>RHC50G</b>                  |
| 3/4"       | <b>300RHC75</b>     | <b>RHC75</b>        | <b>RHC75G</b>                  |
| 1"         | <b>300RHC100</b>    | <b>RHC100</b>       | <b>RHC100G</b>                 |
| 1 1/4"     | <b>300RHC125</b>    | <b>RHC125</b>       | <b>RHC125G</b>                 |
| 1 1/2"     | <b>300RHC150</b>    | <b>RHC150</b>       | <b>RHC150G</b>                 |
| 2"         | <b>300RHC200</b>    | <b>RHC200</b>       | <b>RHC200G</b>                 |
| 2 1/2"     | ---                 | <b>RHC250</b>       | ---                            |
| 3"         | ---                 | <b>RHC300</b>       | <b>RHC300G</b>                 |
| 4"         | ---                 | <b>RHC400</b>       | <b>RHC400G</b>                 |
| 5"         | ---                 | <b>RHC500</b>       | ---                            |
| 6"         | ---                 | <b>RHC600</b>       | ---                            |

| Female NPT | 150# 316 Stain.Steel<br>Part # | 3000# Forged Steel<br>Part # | 125# Brass<br>Part # |
|------------|--------------------------------|------------------------------|----------------------|
| 1/4"       | <b>RHC25SS</b>                 | <b>RHC25FS</b>               | <b>RHC25B</b>        |
| 3/8"       | <b>RHC38SS</b>                 | <b>RHC38FS</b>               | <b>RHC38B</b>        |
| 1/2"       | <b>RHC50SS</b>                 | <b>RHC50FS</b>               | <b>RHC50B</b>        |
| 3/4"       | <b>RHC75SS</b>                 | <b>RHC75FS</b>               | <b>RHC75B</b>        |
| 1"         | <b>RHC100SS</b>                | <b>RHC100FS</b>              | <b>RHC100B</b>       |
| 1 1/4"     | <b>RHC125SS</b>                | <b>RHC125FS</b>              | <b>RHC125B</b>       |
| 1 1/2"     | <b>RHC150SS</b>                | <b>RHC150FS</b>              | <b>RHC150B</b>       |
| 2"         | <b>RHC200SS</b>                | <b>RHC200FS</b>              | <b>RHC200B</b>       |
| 3"         | <b>RHC300SS</b>                | ---                          | ---                  |
| 4"         | <b>RHC400SS</b>                | ---                          | ---                  |

## Merchant Couplings

- other sizes are also available, consult Dixon® for pricing



| Female NPSM | Black Iron<br>Part #       |
|-------------|----------------------------|
| 1/4"        | <b>MRCH25</b>              |
| 3/8"        | <b>MRCH38</b>              |
| 1/2"        | <b>MRCH50</b>              |
| 3/4"        | <b>MRCH75</b>              |
| 1"          | <b>MRCH100</b>             |
| 1 1/4"      | <b>MRCH125</b>             |
| 1 1/2"      | <b>MRCH150</b>             |
| 2"          | <b>MRCH200</b>             |
| 3"          | <b>MRCH300<sup>1</sup></b> |

<sup>1</sup> has female NPT thread

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## NPT Threaded Unions

## Features:

- other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

| Female NPT | 300# Iron Part # | 150# Iron Part # | 150# Galvanized Iron Part # |
|------------|------------------|------------------|-----------------------------|
| 1/8"       | ---              | <b>MIU18</b>     | ---                         |
| 1/4"       | ---              | <b>MIU25</b>     | ---                         |
| 3/8"       | ---              | <b>MIU38</b>     | <b>TUN038G</b>              |
| 1/2"       | <b>300MIU50</b>  | <b>MIU50</b>     | <b>TUN050G</b>              |
| 3/4"       | <b>300MIU75</b>  | <b>MIU75</b>     | <b>TUN075G</b>              |
| 1"         | <b>300MIU100</b> | <b>MIU100</b>    | <b>TUN100G</b>              |
| 1 1/4"     | ---              | <b>MIU125</b>    | <b>TUN125G</b>              |
| 1 1/2"     | <b>300MIU150</b> | <b>MIU150</b>    | <b>TUN150G</b>              |
| 2"         | ---              | <b>MIU200</b>    | <b>TUN200G</b>              |
| 2 1/2"     | ---              | <b>MIU250</b>    | ---                         |
| 3"         | <b>300MIU300</b> | <b>MIU300</b>    | ---                         |
| 4"         | ---              | <b>MIU400</b>    | ---                         |

| Female NPT | 150# 316 Stainless Steel Part # | 3000# Forged Steel Part # | 125# Brass Part # |
|------------|---------------------------------|---------------------------|-------------------|
| 1/4"       | <b>TUN025SS</b>                 | ---                       | <b>TUN2F</b>      |
| 3/8"       | <b>TUN038SS</b>                 | ---                       | <b>TUN3F</b>      |
| 1/2"       | <b>TUN050SS</b>                 | <b>TUN050FS</b>           | <b>TUN4F</b>      |
| 3/4"       | <b>TUN075SS</b>                 | <b>TUN075FS</b>           | <b>TUN5F</b>      |
| 1"         | <b>TUN100SS</b>                 | <b>TUN100FS</b>           | <b>TUN6F</b>      |
| 1 1/4"     | <b>TUN125SS</b>                 | ---                       | <b>TUN7F</b>      |
| 1 1/2"     | <b>TUN150SS</b>                 | <b>TUN150FS</b>           | <b>TUN8F</b>      |
| 2"         | <b>TUN200SS</b>                 | <b>TUN200FS</b>           | <b>TUN9F</b>      |



300# iron



150# iron



150# galvanized iron



150# 316 stainless steel



3000# forged steel



brass

## NPT Threaded Reducing Union

| Female NPT | Female NPT | 150# Iron Part # |
|------------|------------|------------------|
| 3/4"       | 1/2"       | <b>MIRU7550</b>  |



## Female Hex Couplings

## Feature:

- ref SAE 130138

| NPTF        | Brass           |                 | Pkg Qty | Lead Free Brass <sup>1, 2, 3</sup> |
|-------------|-----------------|-----------------|---------|------------------------------------|
|             | Previous Part # | Part #          |         | Part #                             |
| 1/8" x 1/8" | BA1F1F          | <b>3710202C</b> | 25      | <b>3710202CLF</b>                  |
| 1/4" x 1/4" | BA2F2F          | <b>3710404C</b> | 25      | <b>3710404CLF</b>                  |
| 3/8" x 3/8" | BA3F3F          | <b>3710606C</b> | 25      | <b>3710606CLF</b>                  |
| 1/2" x 1/2" | BA4F4F          | <b>3710808C</b> | 25      | <b>3710808CLF</b>                  |
| 3/4" x 3/4" | BA6F6F          | <b>3711212C</b> | 10      | ---                                |



<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>3</sup> NPT threads

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## NPT Threaded Reducer Hex Bushings



150# iron



150# galvanized iron



150# 316 stainless steel



3000# forged steel



125# brass

| Male<br>NPT | Female<br>NPT                          | 150# Iron<br>Part #   | 150# Galvanized Iron<br>Part #   | 150# 316 Stainless Steel<br>Part #   |
|-------------|--|---|--|--|
| 1/4"        | 1/8"                                   | <b>HB2518</b>   | <b>HB2518G</b>   | <b>HB2518SS</b>  |
| 3/8"        | 1/8"<br>1/4"                           | <b>HB3818</b><br><b>HB3825</b>  | <b>---</b><br><b>HB3825G</b>   | <b>---</b><br><b>HB3825SS</b>  |
| 1/2"        | 1/8"<br>1/4"<br>3/8"                   | <b>HB5018</b><br><b>HB5025</b><br><b>HB5038</b>                                   | <b>---</b><br><b>HB5025G</b><br><b>HB5038G</b>   | <b>---</b><br><b>HB5025SS</b><br><b>HB5038SS</b>                                       |
| 3/4"        | 1/8"<br>1/4"<br>3/8"<br>1/2"           | <b>HB7518</b><br><b>HB7525</b><br><b>HB7538</b><br><b>HB7550</b>                  | <b>---</b><br><b>HB7525G</b><br><b>HB7538G</b><br><b>HB7550G</b>                       | <b>---</b><br><b>HB7525SS</b><br><b>HB7538SS</b><br><b>HB7550SS</b>                    |
| 1"          | 1/8"<br>1/4"<br>3/8"<br>1/2"<br>3/4"   | <b>HB1018</b><br><b>HB1025</b><br><b>HB1038</b><br><b>HB1050</b><br><b>HB1075</b> | <b>---</b><br><b>HB1025G</b><br><b>HB1038G</b><br><b>HB1050G</b><br><b>HB1075G</b>     | <b>---</b><br><b>HB1025SS</b><br><b>HB1038SS</b><br><b>HB1050SS</b><br><b>HB1075SS</b> |
| 1 1/4"      | 1/2"<br>3/4"<br>1"                     | <b>HB1250</b><br><b>HB1275</b><br><b>HB1210</b>                                   | <b>---</b><br><b>---</b><br><b>HB1210G</b>   | <b>---</b><br><b>HB1275SS</b><br><b>HB1210SS</b>                                       |
| 1 1/2"      | 1/2"<br>3/4"<br>1"<br>1 1/4"           | <b>HB1550</b><br><b>HB1575</b><br><b>HB1510</b><br><b>HB1512</b>                  | <b>---</b><br><b>HB1575G</b><br><b>HB1510G</b><br><b>HB1512G</b>                       | <b>---</b><br><b>HB1575SS</b><br><b>HB1510SS</b><br><b>HB1512SS</b>                    |
| 2"          | 1/2"<br>3/4"<br>1"<br>1 1/4"<br>1 1/2" | <b>HB2050</b><br><b>HB2075</b><br><b>HB2010</b><br><b>HB2012</b><br><b>HB2015</b> | <b>HB2050G</b><br><b>HB2075G</b><br><b>HB2010G</b><br><b>HB2012G</b><br><b>HB2015G</b> | <b>---</b><br><b>HB2075SS</b><br><b>HB2010SS</b><br><b>HB2012SS</b><br><b>HB2015SS</b> |
| 2 1/2"      | 1 1/2"<br>2"                           | <b>HB2515</b><br><b>HB2520</b>  | <b>---</b><br><b>HB2520G</b>   | <b>---</b><br><b>HB2520SS</b>  |
| 3"          | 1"<br>1 1/2"<br>2"<br>2 1/2"           | <b>HB3010</b><br><b>HB3015</b><br><b>HB3020</b><br><b>HB3025</b>                  | <b>---</b><br><b>---</b><br><b>HB3020G</b><br><b>---</b>                               | <b>---</b><br><b>---</b><br><b>HB3020SS</b><br><b>HB3025SS</b>                         |
| 4"          | 1"<br>1 1/2"<br>2"<br>2 1/2"<br>3"     | <b>HB4010</b><br><b>HB4015</b><br><b>HB4020</b><br><b>HB4025</b><br><b>HB4030</b> | <b>---</b><br><b>---</b><br><b>HB4020G</b><br><b>---</b><br><b>HB4030G</b>             | <b>---</b><br><b>---</b><br><b>HB4020SS</b><br><b>---</b><br><b>HB4030SS</b>           |
| 5"          | 4"                                     | <b>HB5040</b>   | <b>---</b>   | <b>---</b>   |
| 6"          | 3"<br>4"                               | <b>HB6030</b><br><b>HB6040</b>  | <b>---</b><br><b>---</b>   | <b>---</b><br><b>---</b>   |

| Male<br>NPT | Female<br>NPT                          | 3000# Forged Steel<br>Part #   | 125# Brass<br>Part #   |
|-------------|--|--|--|
| 1/4"        | 1/8"                                   | <b>HB2518FS</b>  | <b>---</b>   |
| 3/8"        | 1/8"<br>1/4"                           | <b>---</b><br><b>HB3825FS</b>  | <b>---</b><br><b>---</b>   |
| 1/2"        | 1/8"<br>1/4"<br>3/8"                   | <b>---</b><br><b>HB5025FS</b><br><b>HB5038FS</b>                                       | <b>---</b><br><b>---</b><br><b>---</b>   |
| 3/4"        | 1/8"<br>1/4"<br>3/8"<br>1/2"           | <b>---</b><br><b>HB7525FS</b><br><b>HB7538FS</b><br><b>HB7550FS</b>                    | <b>---</b><br><b>---</b><br><b>---</b><br><b>---</b>                                   |
| 1"          | 1/4"<br>3/8"<br>1/2"<br>3/4"           | <b>HB1025FS</b><br><b>HB1038FS</b><br><b>HB1050FS</b><br><b>HB1075FS</b>               | <b>---</b><br><b>---</b><br><b>---</b><br><b>---</b>                                   |
| 1 1/4"      | 3/4"<br>1"                             | <b>HB1275FS</b><br><b>HB1210FS</b>   | <b>---</b><br><b>HB1210B</b>   |
| 1 1/2"      | 3/4"<br>1"<br>1 1/4"                   | <b>HB1575FS</b><br><b>HB1510FS</b><br><b>HB1512FS</b>                                  | <b>HB1575B</b><br><b>HB1510B</b><br><b>HB1512B</b>                                     |
| 2"          | 1/2"<br>3/4"<br>1"<br>1 1/4"<br>1 1/2" | <b>---</b><br><b>HB2075FS</b><br><b>HB2010FS</b><br><b>HB2012FS</b><br><b>HB2015FS</b> | <b>HB2050B</b><br><b>HB2075B</b><br><b>HB2010B</b><br><b>HB2012B</b><br><b>HB2015B</b> |
| 2 1/2"      | 1 1/2"<br>2"                           | <b>---</b><br><b>HB2520FS</b>  | <b>HB2515B</b><br><b>HB2520B</b>   |
| 3"          | 2"<br>2 1/2"                           | <b>HB3020FS</b><br><b>HB3025FS</b>   | <b>HB3020B</b><br><b>HB3025B</b>   |
| 4"          | 2"<br>3"                               | <b>---</b><br><b>HB4030FS</b>  | <b>HB4020B</b><br><b>HB4030B</b>   |

• For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Reducer Hex Bushings

## Feature:

- ref SAE 130140

| Female<br>NPTF | Male<br>NPTF | Brass           |                              | Optional Qty | Lead Free Brass <sup>2,3,4</sup><br>Part # |
|----------------|--------------|-----------------|------------------------------|--------------|--|
|                |              | Previous Part # | Part #                       |              |  |
| 1/8"           | 1/4"         | HB1F2M          | <b>3730402C</b>              | 100          | <b>3730402CLF</b>                          |
| 1/8"           | 3/8"         | HB1F3M          | <b>3730602C</b>              | 100          | ---  |
| 1/4"           |              | HB2F3M          | <b>3730604C</b>              | 100          | <b>3730604CLF</b>                          |
| 1/8"           | 1/2"         | HB1F4M          | <b>3730802C</b>              | 25           | ---  |
| 1/4"           |              | HB2F4M          | <b>3730804C</b>              | 50           | <b>3730804CLF</b>                          |
| 3/8"           |              | HB3F4M          | <b>3730806C</b>              | 50           | <b>3730806CLF</b>                          |
| 1/8"           | 3/4"         | HB1F6M          | <b>3731202C</b> <sup>1</sup> | 25           | ---  |
| 1/4"           |              | HB2F6M          | <b>3731204C</b>              | 25           | ---  |
| 3/8"           |              | HB3F6M          | <b>3731206C</b>              | 25           | ---  |
| 1/2"           |              | HB4F6M          | <b>3731208C</b>              | 25           | <b>3731208CLF</b>                          |
| 1/4"           | 1"           | HB2F8M          | <b>3731604C</b> <sup>1</sup> | 10           | ---  |
| 3/8"           |              | HB3F8M          | <b>3731606C</b> <sup>1</sup> | 10           | ---  |
| 1/2"           |              | HB4F8M          | <b>3731608C</b>              | 10           | ---  |
| 3/4"           |              | HB6F8M          | <b>3731612C</b>              | 10           | ---  |

<sup>1</sup> SAE does not provide a standard for these sizes

<sup>2</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>3</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>4</sup> NPT threads



Pipe, Welding  
& Tube Fittings

## Adapters

## Female NPTF x Male NPTF

## Feature:

- ref SAE 130139

| Female<br>NPTF | Male<br>NPTF | Brass           |                 | Optional Qty | Lead Free Brass <sup>1,2,3</sup><br>Part # |
|----------------|--------------|-----------------|-----------------|--------------|--|
|                |              | Previous Part # | Part #          |              |  |
| 1/8"           | 1/8"         | RA1F1M          | <b>3750202C</b> | 100          | ---  |
| 1/4"           | 1/8"         | RA2F1M          | <b>3750402C</b> | 50           | <b>3750402CLF</b>                          |
|                | 1/4"         | RA2F2M          | <b>3750404C</b> | 50           | <b>3750404CLF</b>                          |
| 3/8"           | 1/8"         | RA3F1M          | <b>3750602C</b> | 50           | ---  |
|                | 1/4"         | RA3F2M          | <b>3750604C</b> | 50           | <b>3750604CLF</b>                          |
|                | 3/8"         | RA3F3M          | <b>3750606C</b> | 50           | ---  |
| 1/2"           | 1/4"         | RA4F2M          | <b>3750804C</b> | 25           | ---  |
|                | 3/8"         | RA4F3M          | <b>3750806C</b> | 25           | ---  |
|                | 1/2"         | RA4F4M          | <b>3750808C</b> | 25           | <b>3750808CLF</b>                          |
| 3/4"           | 3/8"         | RA6F3M          | <b>3751206C</b> | 10           | ---  |
|                | 1/2"         | RA6F4M          | <b>3751208C</b> | 10           | ---  |
|                | 3/4"         | RA6F6M          | <b>3751212C</b> | 10           | <b>3751212CLF</b>                          |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>3</sup> NPT threads



## Pump Adapters

## Features:

- used to convert BSP pump outlets to NPT
- hard-coated, extruded 6061-T6 aircraft aluminum alloy
- other sizes, configurations are available, contact Dixon®

| Female BSP | Male NPT | Aluminum<br>Part # |
|------------|----------|--------------------|
| 1 1/2"     | 1 1/2"   | <b>AHA15BSP15T</b> |
| 2"         | 2"       | <b>AHA20BSP20T</b> |
| 2 1/2"     | 2 1/2"   | <b>AHA25BSP25T</b> |
| 3"         | 3"       | <b>AHA30BSP30T</b> |
| 4"         | 4"       | <b>AHA40BSP40T</b> |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).





## Pipe Nipples

## Long Pipe Nipples

- carbon steel and stainless steel nipples are available on page 661



| NPT    | Length | Brass           |                 | Optional Qty | Lead Free Brass <sup>1, 2</sup> Part # |
|--------|--------|-----------------|-----------------|--------------|--|
|        |        | Previous Part # | Part #          |              |  |
| 1/8"   | 1 1/2" | 166-0215        | <b>1660215C</b> | 25           | ---                                    |
|        | 2"     | 166-0220        | <b>1660220C</b> | 25           | ---                                    |
|        | 2 1/2" | 166-0225        | <b>1660225C</b> | 25           | ---                                    |
|        | 3"     | 166-0230        | <b>1660230C</b> | 25           | <b>1660230CLF</b>                      |
|        | 3 1/2" | 166-0235        | <b>1660235C</b> | 10           | ---                                    |
|        | 4"     | 166-0240        | <b>1660240C</b> | 10           | <b>1660240CLF</b>                      |
| 1/4"   | 1 1/2" | 166-0415        | <b>1660415C</b> | 25           | <b>1660415CLF</b>                      |
|        | 2"     | 166-0420        | <b>1660420C</b> | 25           | <b>1660420CLF</b>                      |
|        | 2 1/2" | 166-0425        | <b>1660425C</b> | 25           | ---                                    |
|        | 3"     | 166-0430        | <b>1660430C</b> | 25           | <b>1660430CLF</b>                      |
|        | 3 1/2" | 166-0435        | <b>1660435C</b> | 10           | ---                                    |
|        | 4"     | 166-0440        | <b>1660440C</b> | 10           | <b>1660440CLF</b>                      |
| 3/8"   | 1 1/2" | 166-0615        | <b>1660615C</b> | 25           | <b>1660615CLF</b>                      |
|        | 2"     | 166-0620        | <b>1660620C</b> | 25           | <b>1660620CLF</b>                      |
|        | 2 1/2" | 166-0625        | <b>1660625C</b> | 10           | <b>1660625CLF</b>                      |
|        | 3"     | 166-0630        | <b>1660630C</b> | 10           | <b>1660630CLF</b>                      |
|        | 3 1/2" | 166-0635        | <b>1660635C</b> | 10           | ---                                    |
|        | 4"     | 166-0640        | <b>1660640C</b> | 5            | <b>1660640CLF</b>                      |
| 1/2"   | 1 1/2" | 166-0815        | <b>1660815C</b> | 10           | <b>1660815CLF</b>                      |
|        | 2"     | 166-0820        | <b>1660820C</b> | 10           | ---                                    |
|        | 2 1/2" | 166-0825        | <b>1660825C</b> | 10           | ---                                    |
|        | 3"     | 166-0830        | <b>1660830C</b> | 10           | ---                                    |
|        | 3 1/2" | 166-0835        | <b>1660835C</b> | 10           | ---                                    |
|        | 4"     | 166-0840        | <b>1660840C</b> | 5            | ---                                    |
| 3/4"   | 2"     | 166-1220        | <b>1661220C</b> | 5            | ---                                    |
|        | 2 1/2" | 166-1225        | <b>1661225C</b> | 5            | ---                                    |
|        | 3"     | 166-1230        | <b>1661230C</b> | 5            | ---                                    |
|        | 3 1/2" | 166-1235        | <b>1661235C</b> | 5            | ---                                    |
| 1"     | 2"     | ---             | <b>TN100X2B</b> | ---          | ---                                    |
|        | 3"     | ---             | <b>TN100X3B</b> | ---          | ---                                    |
|        | 4"     | ---             | <b>TN100X4B</b> | ---          | ---                                    |
| 1 1/2" | 2"     | ---             | <b>TN150X2B</b> | ---          | ---                                    |
|        | 3"     | ---             | <b>TN150X3B</b> | ---          | ---                                    |
| 2"     | 3"     | ---             | <b>TN200X3B</b> | ---          | ---                                    |
|        | 4"     | ---             | <b>TN200X4B</b> | ---          | ---                                    |
|        | 6"     | ---             | <b>TN200X6B</b> | ---          | ---                                    |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

## Female NPTF x Male NPSM Adapters



| Female NPTF | Male NPSM | Brass           |                 | Optional Qty |
|-------------|-----------|-----------------|-----------------|--------------|
|             |           | Previous Part # | Part #          |              |
| 1/4"        | 1/4"      | 174-0404        | <b>1740404C</b> | 100          |
| 3/8"        | 3/8"      | 174-0606        | <b>1740606C</b> | 50           |
| 1/2"        | 1/2"      | 174-0808        | <b>1740808C</b> | 50           |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Pipe Nipples - Threaded Both Ends

## Features:

- made from schedule 40 welded pipe
- male NPT x male NPT design
- brass nipples are available, see page 666
- other lengths are also available, consult Dixon® for pricing

Note: do not use pipe nipples as hose inserts.



| Male NPT | Overall Length | Carbon Steel Part # | 316 Stainless Steel Part # |
|----------|----------------|---------------------|----------------------------|
| 1/4"     | 2"             | <b>TN025X2</b>      | ---                        |
|          | 6"             | ---                 | <b>TN025X6SS</b>           |
| 3/8"     | 2"             | <b>TN038X2</b>      | ---                        |
|          | 4"             | <b>TN038X4</b>      | ---                        |
|          | 6"             | <b>TN038X6</b>      | ---                        |
| 1/2"     | 2"             | <b>TN050X2</b>      | <b>TN050X2SS</b>           |
|          | 3"             | <b>TN050X3</b>      | <b>TN050X3SS</b>           |
|          | 4"             | <b>TN050X4</b>      | <b>TN050X4SS</b>           |
|          | 6"             | <b>TN050X6</b>      | <b>TN050X6SS</b>           |
| 3/4"     | 2"             | <b>TN075X2</b>      | <b>TN075X2SS</b>           |
|          | 3"             | <b>TN075X3</b>      | <b>TN075X3SS</b>           |
|          | 4"             | <b>TN075X4</b>      | <b>TN075X4SS</b>           |
|          | 6"             | <b>TN075X6</b>      | <b>TN075X6SS</b>           |
| 1"       | 2"             | <b>TN100X2</b>      | <b>TN100X2SS</b>           |
|          | 3"             | <b>TN100X3</b>      | <b>TN100X3SS</b>           |
|          | 4"             | <b>TN100X4</b>      | <b>TN100X4SS</b>           |
|          | 6"             | <b>TN100X6</b>      | <b>TN100X6SS</b>           |
| 1 1/4"   | 2"             | <b>TN125X2</b>      | <b>TN125X2SS</b>           |
|          | 3"             | <b>TN125X3</b>      | <b>TN125X3SS</b>           |
|          | 4"             | <b>TN125X4</b>      | <b>TN125X4SS</b>           |
|          | 6"             | <b>TN125X6</b>      | <b>TN125X6SS</b>           |
| 1 1/2"   | 2"             | <b>TN150X2</b>      | <b>TN150X2SS</b>           |
|          | 3"             | <b>TN150X3</b>      | <b>TN150X3SS</b>           |
|          | 4"             | <b>TN150X4</b>      | <b>TN150X4SS</b>           |
|          | 6"             | <b>TN150X6</b>      | <b>TN150X6SS</b>           |
| 2"       | 3"             | <b>TN200X3</b>      | <b>TN200X3SS</b>           |
|          | 4"             | <b>TN200X4</b>      | <b>TN200X4SS</b>           |
|          | 5"             | <b>TN200X5</b>      | <b>TN200X5SS</b>           |
|          | 6"             | <b>TN200X6</b>      | <b>TN200X6SS</b>           |
|          | 8"             | <b>TN200X8</b>      | ---                        |
| 3"       | 3"             | <b>TN300X3</b>      | <b>TN300X3SS</b>           |
|          | 4"             | <b>TN300X4</b>      | <b>TN300X4SS</b>           |
|          | 6"             | <b>TN300X6</b>      | <b>TN300X6SS</b>           |
| 4"       | 4"             | <b>TN400X4</b>      | <b>TN400X4SS</b>           |
|          | 6"             | <b>TN400X6</b>      | <b>TN400X6SS</b>           |
|          | 8"             | <b>TN400X8</b>      | ---                        |
| 6"       | 6"             | <b>TN600X6</b>      | ---                        |
|          | 8"             | <b>TN600X8</b>      | ---                        |



carbon steel



stainless steel

## Close Pipe Nipples

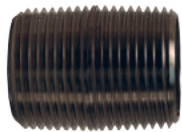
| NPT    | Brass           |                 | Optional Qty | Lead Free Brass <sup>1,2</sup> |
|--------|-----------------|-----------------|--------------|--------------------------------|
|        | Previous Part # | Part #          |              | Part #                         |
| 1/8"   | 165-0202        | <b>1650202C</b> | 50           | <b>1650202CLF</b>              |
| 1/4"   | 165-0404        | <b>1650404C</b> | 50           | <b>1650404CLF</b>              |
| 3/8"   | 165-0606        | <b>1650606C</b> | 100          | <b>1650606CLF</b>              |
| 1/2"   | 165-0808        | <b>1650808C</b> | 25           | <b>1650808CLF</b>              |
| 3/4"   | 165-1212        | <b>1651212C</b> | 25           | <b>1651212CLF</b>              |
| 1"     | 165-1616        | <b>1651616C</b> | 25           | ---                            |
| 1 1/2" | ---             | <b>CN150B</b>   | 5            | ---                            |
| 2"     | ---             | <b>CN200B</b>   | 5            | ---                            |
| 3"     | ---             | <b>CN300B</b>   | 5            | ---                            |



<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

• For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



## Close Nipples

## Features:

- made from schedule 40 welded pipe
- male NPT x male NPT design

| Male NPT | Overall Length | Carbon Steel Part # | Galvanized Part # | 316 Stainless Steel Part # | Optional Qty |
|----------|----------------|---------------------|-------------------|----------------------------|--------------|
| 1/8"     | 3/4"           | ---                 | ---               | <b>CN012SS</b>             | 1            |
| 1/4"     | 7/8"           | <b>CN025</b>        | <b>CN025G</b>     | <b>CN025SS</b>             | 25           |
| 3/8"     | 1"             | <b>CN037</b>        | ---               | <b>CN037SS</b>             | 25           |
| 1/2"     | 1 1/8"         | <b>CN050</b>        | <b>CN050G</b>     | <b>CN050SS</b>             | 10           |
| 3/4"     | 1 3/8"         | <b>CN075</b>        | <b>CN075G</b>     | <b>CN075SS</b>             | 10           |
| 1"       | 1 1/2"         | <b>CN100</b>        | <b>CN100G</b>     | <b>CN100SS</b>             | 10           |
| 1 1/4"   | 1 5/8"         | <b>CN125</b>        | ---               | ---                        | 10           |
| 1 1/2"   | 1 3/4"         | <b>CN150</b>        | <b>CN150G</b>     | <b>CN150SS</b>             | 10           |
| 2"       | 2"             | <b>CN200</b>        | <b>CN200G</b>     | <b>CN200SS</b>             | 10           |
| 2 1/2"   | 2 1/2"         | <b>CN250</b>        | ---               | ---                        | --           |
| 3"       | 2 5/8"         | <b>CN300</b>        | <b>CN300G</b>     | <b>CN300SS</b>             | 1            |
| 4"       | 2 3/4"         | <b>CN400</b>        | ---               | <b>CN400SS</b>             | 5            |
| 6"       | 3 1/8"         | <b>CN600</b>        | ---               | ---                        | --           |

## Hex Nipples

## Feature:

- ref SAE 130137



| NPTF        | Brass           |                 | Optional Qty | Lead Free Brass <sup>1, 2, 3</sup> |
|-------------|-----------------|-----------------|--------------|------------------------------------|
|             | Previous Part # | Part #          |              | Part #                             |
| 1/8" x 1/8" | BCN12           | <b>3700202C</b> | 100          | <b>3700202CLF</b>                  |
| 1/4" x 1/4" | BCN25           | <b>3700404C</b> | 100          | <b>3700404CLF</b>                  |
| 3/8" x 3/8" | BCN37           | <b>3700606C</b> | 50           | <b>3700606CLF</b>                  |
| 1/2" x 1/2" | BCN50           | <b>3700808C</b> | 25           | <b>3700808CLF</b>                  |
| 3/4" x 3/4" | BCN75           | <b>3701212C</b> | 20           | ---                                |
| 1" x 1"     | BCN100          | <b>3701616C</b> | 10           | ---                                |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>3</sup> NPT threads

## Straight Hex Nipples



| Male NPT | 316 Stainless Steel Part # |
|----------|----------------------------|
| 3/8"     | <b>HN38SS</b>              |
| 1/2"     | <b>HN50SS</b>              |
| 3/4"     | <b>HN75SS</b>              |
| 1"       | <b>HN100SS</b>             |
| 1 1/2"   | <b>HN150SS</b>             |
| 2"       | <b>HN200SS</b>             |

## Reducer Hex Nipples

## Feature:

- ref SAE 130137



| Male NPTF   | Brass           |                 | Optional Qty |
|-------------|-----------------|-----------------|--------------|
|             | Previous Part # | Part #          |              |
| 1/4" x 1/8" | HN2M1M          | <b>3790402C</b> | 100          |
| 3/8" x 1/8" | HN3M1M          | <b>3790602C</b> | 50           |
| 3/8" x 1/4" | HN3M2M          | <b>3790604C</b> | 50           |
| 1/2" x 1/4" | HN4M2M          | <b>3790804C</b> | 50           |
| 1/2" x 3/8" | HN4M3M          | <b>3790806C</b> | 50           |
| 3/4" x 1/2" | HN6M4M          | <b>3791208C</b> | 25           |



| Male NPT | Male NPT | 316 Stainless Steel Part # |
|----------|----------|----------------------------|
| 3/8"     | 1/4"     | <b>RHN3825SS</b>           |
| 1/2"     | 3/8"     | <b>RHN5038SS</b>           |
| 3/4"     | 1/2"     | <b>RHN7550SS</b>           |

Note: do not use pipe nipples as hose inserts.



- For additional information on pipe dimensions please reference dixonvalve.com.

## Adapters

## Ball Seat to Male Pipe

| NPSM | NPTF | Brass           |                 | Optional Qty |
|------|------|-----------------|-----------------|--------------|
|      |      | Previous Part # | Part #          |              |
| 1/8" | 1/8" | BSM11           | <b>1720202C</b> | 100          |
| 1/4" | 1/8" | BSM21           | <b>1720402C</b> | 100          |
|      | 1/4" | BSM22           | <b>1720404C</b> | 100          |
| 3/8" | 1/4" | BSM32           | <b>1720604C</b> | 100          |
|      | 3/8" | BSM33           | <b>1720606C</b> | 50           |
|      | 1/2" | BSM34           | <b>1720608C</b> | 50           |
| 1/2" | 3/8" | BSM43           | <b>1720806C</b> | 50           |
|      | 1/2" | BSM44           | <b>1720808C</b> | 50           |
| 3/4" | 3/4" | BSM66           | <b>1721212C</b> | 25           |

Pipe, Welding  
& Tube Fittings

## Male Unions

| NPSM | NPSM | Brass           |                 | Pkg Qty |
|------|------|-----------------|-----------------|---------|
|      |      | Previous Part # | Part #          |         |
| 1/8" | 1/8" | 176-0202        | <b>1760202C</b> | 100     |
| 1/4" | 1/4" | 176-0404        | <b>1760404C</b> | 100     |
| 3/8" | 3/8" | 176-0606        | <b>1760606C</b> | 100     |
| 1/2" | 1/2" | 176-0808        | <b>1760808C</b> | 50      |



- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



300# iron



150# iron



150# galvanized iron



150# 316 stainless steel



2000# forged steel



125# brass

## NPT Threaded 90° Elbows

## Features:

- other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

| Female NPT | 300# Iron<br>Part # | 150# Iron<br>Part # | 150# Galvanized Iron<br>Part # |
|------------|---------------------|---------------------|--------------------------------|
| 1/8"       | ---                 | <b>EL9018</b>       | <b>EL9018G</b>                 |
| 1/4"       | <b>300EL9025</b>    | <b>EL9025</b>       | <b>EL9025G</b>                 |
| 3/8"       | <b>300EL9038</b>    | <b>EL9038</b>       | <b>EL9038G</b>                 |
| 1/2"       | <b>300EL9050</b>    | <b>EL9050</b>       | <b>EL9050G</b>                 |
| 3/4"       | <b>300EL9075</b>    | <b>EL9075</b>       | <b>EL9075G</b>                 |
| 1"         | <b>300EL90100</b>   | <b>EL90100</b>      | <b>EL90100G</b>                |
| 1 1/4"     | <b>300EL90125</b>   | <b>EL90125</b>      | <b>EL90125G</b>                |
| 1 1/2"     | <b>300EL90150</b>   | <b>EL90150</b>      | <b>EL90150G</b>                |
| 2"         | <b>300EL90200</b>   | <b>EL90200</b>      | <b>EL90200G</b>                |
| 2 1/2"     | ---                 | <b>EL90250</b>      | ---                            |
| 3"         | ---                 | <b>EL90300</b>      | <b>EL90300G</b>                |
| 4"         | ---                 | <b>EL90400</b>      | <b>EL90400G</b>                |
| 5"         | ---                 | <b>EL90500</b>      | ---                            |
| 6"         | ---                 | <b>EL90600</b>      | ---                            |

| Female NPT | 150# 316 Stain. Steel<br>Part # | 2000# Forged Steel<br>Part # | 125# Brass<br>Part # |
|------------|---------------------------------|------------------------------|----------------------|
| 1/8"       | <b>EL9018SS</b>                 | ---                          | ---                  |
| 1/4"       | <b>EL90025SS</b>                | <b>EL9025FS</b>              | ---                  |
| 3/8"       | <b>EL90038SS</b>                | <b>EL9038FS</b>              | ---                  |
| 1/2"       | <b>EL90050SS</b>                | <b>EL9050FS</b>              | ---                  |
| 3/4"       | <b>EL90075SS</b>                | <b>EL9075FS</b>              | ---                  |
| 1"         | <b>EL90100SS</b>                | <b>EL90100FS</b>             | <b>EL90100B</b>      |
| 1 1/4"     | <b>EL90125SS</b>                | <b>EL90125FS</b>             | ---                  |
| 1 1/2"     | <b>EL90150SS</b>                | <b>EL90150FS</b>             | <b>EL90150B</b>      |
| 2"         | <b>EL90200SS</b>                | <b>EL90200FS</b>             | <b>EL90200B</b>      |
| 3"         | <b>EL90300SS</b>                | ---                          | ---                  |
| 4"         | <b>EL90400SS</b>                | ---                          | ---                  |

## 90° Female Pipe Elbows

## Feature:

- ref SAE 130238



brass



lead free brass

| Female<br>NPTF | Extruded Brass  |                 | Optional<br>Qty | Forged Lead Free Brass <sup>1, 2, 3</sup> |
|----------------|-----------------|-----------------|-----------------|---|
|                | Previous Part # | Part #          |                 | Part #                                    |
| 1/8"           | EL1F1F          | <b>3020202C</b> | 25              | ---                                       |
| 1/4"           | EL2F2F          | <b>3020404C</b> | 25              | <b>3020404CLF</b>                         |
| 3/8"           | EL3F3F          | <b>3020606C</b> | 25              | <b>3020606CLF</b>                         |
| 1/2"           | EL4F4F          | <b>3020808C</b> | 25              | <b>3020808CLF</b>                         |
| 3/4"           | EL6F6F          | <b>3021212C</b> | 10              | <b>3021212CLF</b>                         |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>3</sup> NPT thread

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## NPT Threaded Reducing Elbows

## Feature:

- other sizes are also available, consult Dixon® for pricing and availability

| Female NPT | Female NPT | 150# Iron<br>Part # |
|------------|------------|---------------------|
| 1/4"       | 1/8"       | <b>REL2518</b>      |
| 1/2"       | 1/4"       | <b>REL5025</b>      |
| 1/2"       | 3/8"       | <b>REL5038</b>      |
| 3/4"       | 1/2"       | <b>REL7550</b>      |
| 1"         | 1/2"       | <b>REL1050</b>      |
| 1"         | 3/4"       | <b>REL1075</b>      |
| 1 1/4"     | 1"         | <b>REL1210</b>      |
| 1 1/2"     | 1"         | <b>REL1510</b>      |
| 1 1/2"     | 1 1/4"     | <b>REL1525</b>      |
| 2"         | 1"         | <b>REL2010</b>      |
| 2"         | 1 1/2"     | <b>REL2015</b>      |
| 2 1/2"     | 2"         | <b>REL2520</b>      |
| 3"         | 2"         | <b>REL3020</b>      |
| 4"         | 2"         | <b>REL4020</b>      |
| 4"         | 3"         | <b>REL4030</b>      |

Pipe, Welding  
& Tube Fittings

## 90° Street Elbows

## Feature:

- ref SAE 130239

| Female<br>NPTF | Male<br>NPTF | Extruded Brass  |                 | Optional<br>Qty | Forged Lead Free Brass <sup>1,2</sup> |
|----------------|--------------|-----------------|-----------------|-----------------|---------------------------------------|
|                |              | Previous Part # | Part #          |                 | Part #                                |
| 1/8"           | 1/8"         | SE1F1M          | <b>3040202C</b> | 25              | <b>3040202CLF</b>                     |
| 1/4"           | 1/8"         | SE2F1M          | <b>3040402C</b> | 25              | ---                                   |
| 1/4"           | 1/4"         | SE2F2M          | <b>3040404C</b> | 25              | <b>3040404CLF</b>                     |
| 3/8"           | 1/4"         | SE3F2M          | <b>3040604C</b> | 25              | ---                                   |
| 3/8"           | 3/8"         | SE3F3M          | <b>3040606C</b> | 25              | <b>3040606CLF</b>                     |
| 1/2"           | 3/8"         | SE4F3M          | <b>3040806C</b> | 25              | ---                                   |
| 1/2"           | 1/2"         | SE4F4M          | <b>3040808C</b> | 25              | <b>3040808CLF</b>                     |
| 3/4"           | 1/2"         | SE6F4M          | <b>3041208C</b> | 25              | ---                                   |
| 3/4"           | 3/4"         | SE6F6M          | <b>3041212C</b> | 10              | ---                                   |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>3</sup> NPT thread



brass



lead free brass

## 90° Male Pipe Elbows

| Male NPTF | Forged Brass    |                 | Optional Qty |
|-----------|-----------------|-----------------|--------------|
|           | Previous Part # | Part #          |              |
| 1/8"      | 169-0202        | <b>1690202C</b> | 25           |
| 1/4"      | 169-0404        | <b>1690404C</b> | 25           |
| 3/8"      | 169-0606        | <b>1690606C</b> | 25           |
| 1/2"      | 169-0808        | <b>1690808C</b> | 25           |



- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



## NPT Threaded 90° Street Elbows



150# iron

**Features:**

- other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability



150# galvanized iron



150# 316 stainless steel

| Male<br>NPT | Female<br>NPT | 150# Iron<br>Part # | 150# Galvanized Iron<br>Part # | 150# 316 Stain. Steel<br>Part # |
|-------------|---------------|---------------------|--------------------------------|---------------------------------|
| 1/8"        | 1/8"          | <b>SE9018</b>       | <b>SE9018G</b>                 | <b>SE9018SS</b>                 |
| 1/4"        | 1/4"          | <b>SE9025</b>       | <b>SE9025G</b>                 | <b>SE9025SS</b>                 |
| 3/8"        | 3/8"          | <b>SE9038</b>       | <b>SE9038G</b>                 | <b>SE9038SS</b>                 |
| 1/2"        | 1/2"          | <b>SE9050</b>       | <b>SE9050G</b>                 | <b>SE9050SS</b>                 |
| 3/4"        | 3/4"          | <b>SE9075</b>       | <b>SE9075G</b>                 | <b>SE9075SS</b>                 |
| 1"          | 1"            | <b>SE9010</b>       | <b>SE9010G</b>                 | <b>SE9010SS</b>                 |
| 1 1/4"      | 1 1/4"        | <b>SE9012</b>       | <b>SE9012G</b>                 | <b>SE9012SS</b>                 |
| 1 1/2"      | 1 1/2"        | <b>SE9015</b>       | <b>SE9015G</b>                 | <b>SE9015SS</b>                 |
| 2"          | 2"            | <b>SE9020</b>       | <b>SE9020G</b>                 | <b>SE9020SS</b>                 |
| 2 1/2"      | 2 1/2"        | <b>SE90250</b>      | ---                            | ---                             |
| 3"          | 3"            | <b>SE90300</b>      | <b>SE9030G</b>                 | ---                             |
| 4"          | 4"            | <b>SE90400</b>      | ---                            | ---                             |
| 6"          | 6"            | <b>SE90600</b>      | ---                            | ---                             |



3000# forged steel



125# brass

| Male<br>NPT | Female<br>NPT | 3000# Forged Steel<br>Part # | 125# Brass<br>Part # |
|-------------|---------------|------------------------------|----------------------|
| 1/8"        | 1/8"          | ---                          | ---                  |
| 1/4"        | 1/4"          | <b>SE9025FS</b>              | ---                  |
| 3/8"        | 3/8"          | <b>SE9038FS</b>              | ---                  |
| 1/2"        | 1/2"          | <b>SE9050FS</b>              | ---                  |
| 3/4"        | 3/4"          | <b>SE9075FS</b>              | <b>SE9075B</b>       |
| 1"          | 1"            | <b>SE9010FS</b>              | <b>SE9010B</b>       |
| 1 1/4"      | 1 1/4"        | <b>SE9012FS</b>              | <b>SE9012B</b>       |
| 1 1/2"      | 1 1/2"        | <b>SE9015FS</b>              | <b>SE9015B</b>       |
| 2"          | 2"            | <b>SE9020FS</b>              | <b>SE9020B</b>       |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## NPT Threaded 45 Elbows

| Female NPT | 150# Iron<br>Part # |
|------------|---------------------|
| 1/8"       | <b>EL4518</b>       |
| 1/4"       | <b>EL4525</b>       |
| 3/8"       | <b>EL4538</b>       |
| 1/2"       | <b>EL4550</b>       |
| 3/4"       | <b>EL4575</b>       |
| 1"         | <b>EL45100</b>      |
| 1 1/4"     | <b>EL45125</b>      |
| 1 1/2"     | <b>EL45150</b>      |
| 2"         | <b>EL45200</b>      |
| 2 1/2"     | <b>EL45250</b>      |
| 3"         | <b>EL45300</b>      |
| 4"         | <b>EL45400</b>      |
| 5"         | <b>EL45500</b>      |
| 6"         | <b>EL45600</b>      |



Pipe, Welding  
& Tube Fittings

| Size   | 150# Iron<br>Part # | 150# Galvanized Iron<br>Part # |
|--------|---------------------|--------------------------------|
| 1/8"   | <b>SE4518</b>       | ---                            |
| 1/4"   | <b>SE4525</b>       | <b>SE4525G</b>                 |
| 3/8"   | <b>SE4538</b>       | ---                            |
| 1/2"   | <b>SE4550</b>       | <b>SE4550G</b>                 |
| 3/4"   | <b>SE4575</b>       | <b>SE4575G</b>                 |
| 1"     | <b>SE45100</b>      | ---                            |
| 1 1/4" | <b>SE45125</b>      | <b>SE45125G</b>                |
| 1 1/2" | <b>SE45150</b>      | <b>SE45150G</b>                |
| 2"     | <b>SE45200</b>      | <b>SE45200G</b>                |
| 2 1/2" | <b>SE45250</b>      | <b>SE45250G</b>                |
| 3"     | <b>SE45300</b>      | <b>SE45300G</b>                |
| 4"     | <b>SE45400</b>      | <b>SE45400G</b>                |



150# galvanized iron

**Feature:**

- ref SAE 130339

| Female<br>NPTF | Male<br>NPTF | Extruded Brass  |                 | Optional Qty |
|----------------|--------------|-----------------|-----------------|--------------|
|                |              | Previous Part # | Part #          |              |
| 1/8"           | 1/8"         | 306-0202        | <b>3060202C</b> | 25           |
| 1/4"           | 1/4"         | 306-0404        | <b>3060404C</b> | 25           |
| 3/8"           | 3/8"         | 306-0606        | <b>3060606C</b> | 25           |
| 1/2"           | 1/2"         | 306-0808        | <b>3060808C</b> | 25           |
| 3/4"           | 3/4"         | 306-1212        | <b>3061212C</b> | 10           |



- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



300# iron



150# iron



150# galvanized iron



150# 316 stainless steel



2000# forged steel



125# brass

## NPT Threaded Female Tees

| Female NPT | 300# Iron<br>Part # | 150# Iron<br>Part # | 150# Galvanized Iron<br>Part # |
|------------|---------------------|---------------------|--------------------------------|
| 1/8"       | ---                 | <b>FT18</b>         | ---                            |
| 1/4"       | <b>300FT25</b>      | <b>FT25</b>         | <b>FT25G</b>                   |
| 3/8"       | <b>300FT38</b>      | <b>FT38</b>         | <b>FT38G</b>                   |
| 1/2"       | <b>300FT50</b>      | <b>FT50</b>         | <b>FT50G</b>                   |
| 3/4"       | ---                 | <b>FT75</b>         | <b>FT75G</b>                   |
| 1"         | <b>300FT10</b>      | <b>FT10</b>         | <b>FT100G</b>                  |
| 1 1/4"     | <b>300FT120</b>     | <b>FT120</b>        | <b>FT120G</b>                  |
| 1 1/2"     | ---                 | <b>FT15</b>         | <b>FT150G</b>                  |
| 2"         | <b>300FT200</b>     | <b>FT200</b>        | <b>FT200G</b>                  |
| 2 1/2"     | ---                 | <b>FT250</b>        | ---                            |
| 3"         | ---                 | <b>FT30</b>         | <b>FT300G</b>                  |
| 4"         | ---                 | <b>FT40</b>         | <b>FT400G</b>                  |
| 5"         | ---                 | <b>FT500</b>        | ---                            |
| 6"         | ---                 | <b>FT60</b>         | ---                            |

| Female NPT | 150# 316 Stainless Steel<br>Part # | 2000# Forged Steel<br>Part # | 125# Brass<br>Part # |
|------------|------------------------------------|------------------------------|----------------------|
| 1/8"       | ---                                | ---                          | ---                  |
| 1/4"       | <b>FT25SS</b>                      | <b>FT25FS</b>                | ---                  |
| 3/8"       | <b>FT38SS</b>                      | ---                          | ---                  |
| 1/2"       | <b>FT50SS</b>                      | <b>FT50FS</b>                | ---                  |
| 3/4"       | <b>FT75SS</b>                      | <b>FT75FS</b>                | <b>FT75B</b>         |
| 1"         | <b>FT10SS</b>                      | <b>FT100FS</b>               | <b>FT10B</b>         |
| 1 1/4"     | <b>FT120SS</b>                     | <b>FT120FS</b>               | ---                  |
| 1 1/2"     | <b>FT150SS</b>                     | <b>FT150FS</b>               | <b>FT15B</b>         |
| 2"         | <b>FT200SS</b>                     | <b>FT200FS</b>               | <b>FT20B</b>         |

## Female Tees

## Feature:

- ref SAE 130438



brass



lead free brass

| NPTF<br>Thread | Extruded Brass  |                 | Optional<br>Qty | Forged Lead Free Brass <sup>1, 2, 3</sup> |
|----------------|-----------------|-----------------|-----------------|---|
|                | Previous Part # | Part #          |                 | Part #                                    |
| 1/8"           | 322-0202        | <b>3220202C</b> | 25              | <b>3220202CLF</b>                         |
| 1/4"           | 322-0404        | <b>3220404C</b> | 25              | <b>3220404CLF</b>                         |
| 3/8"           | 322-0606        | <b>3220606C</b> | 25              | <b>3220606CLF</b>                         |
| 1/2"           | 322-0808        | <b>3220808C</b> | 25              | <b>3220808CLF</b>                         |
| 3/4"           | 322-1212        | <b>3221212C</b> | 10              | <b>3221212CLF</b>                         |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>3</sup> NPT thread

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## NPT Threaded Side Outlet Elbows

| Female NPT | 150# Iron<br>Part # |
|------------|---------------------|
| 1/8"       | <b>SOE18</b>        |
| 1/4"       | <b>SOE25</b>        |
| 3/8"       | <b>SOE38</b>        |
| 1/2"       | <b>SOE50</b>        |
| 3/4"       | <b>SOE75</b>        |
| 1"         | <b>SOE100</b>       |
| 1 1/4"     | <b>SOE120</b>       |
| 1 1/2"     | <b>SOE150</b>       |
| 2"         | <b>SOE200</b>       |

Pipe, Welding  
& Tube Fittings

## NPT Threaded Female Reducing Tees

| Female NPT | Female NPT | 150# Iron<br>Part # |
|------------|------------|---------------------|
| 3/8"       | 1/4"       | <b>FRT3825</b>      |
| 1/2"       | 3/8"       | <b>FRT5038</b>      |
| 3/4"       | 1/2"       | <b>FRT7550</b>      |
| 1"         | 1/2"       | <b>FRT1050</b>      |
| 1 1/4"     | 1"         | <b>FRT1210</b>      |
| 1 1/2"     | 1"         | <b>FRT1510</b>      |
| 2"         | 1"         | <b>FRT2010</b>      |
| 2"         | 1 1/2"     | <b>FRT2015</b>      |
| 3"         | 2"         | <b>FRT3020</b>      |



## NPT Threaded Street Service Tees

| NPT    | 150# Iron<br>Part # |
|--------|---------------------|
| 1/2"   | <b>SST50</b>        |
| 3/4"   | <b>SST75</b>        |
| 1"     | <b>SST100</b>       |
| 1 1/2" | <b>SST150</b>       |



## NPT Threaded Bull Head Tees

| Female NPT | Female NPT | 150# Iron<br>Part # |
|------------|------------|---------------------|
| 1/2"       | 3/4"       | <b>BHT1575</b>      |
| 1/2"       | 1"         | <b>BHT1510</b>      |
| 3/4"       | 1"         | <b>BHT7510</b>      |
| 1"         | 1 1/2"     | <b>BHT1015</b>      |
| 1"         | 2"         | <b>BHT1020</b>      |
| 1 1/2"     | 2"         | <b>BHT1520</b>      |
| 2"         | 2 1/2"     | <b>BHT2025</b>      |



## NPT Threaded Side Outlet Tees

| Female NPT | 150# Iron<br>Part # |
|------------|---------------------|
| 1/2"       | <b>SOT50</b>        |
| 3/4"       | <b>SOT75</b>        |
| 1"         | <b>SOT100</b>       |
| 1 1/4"     | <b>SOT120</b>       |
| 1 1/2"     | <b>SOT150</b>       |
| 2"         | <b>SOT200</b>       |



• For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Street Tees

## Feature:

- ref SAE 130424



| Female NPTF | Male NPTF | Extruded Brass  |                 | Optional Qty | Lead Free Brass <sup>1, 2, 3</sup> Part # |
|-------------|-----------|-----------------|-----------------|--------------|---|
|             |           | Previous Part # | Part #          |              |   |
| 1/8"        | 1/8"      | 326-0202        | <b>3260202C</b> | 25           | ---                                       |
| 1/4"        | 1/4"      | 326-0404        | <b>3260404C</b> | 25           | <b>3260404CLF</b>                         |
| 3/8"        | 3/8"      | 326-0606        | <b>3260606C</b> | 25           | ---                                       |
| 1/2"        | 1/2"      | 326-0808        | <b>3260808C</b> | 25           | ---                                       |
| 3/4"        | 3/4"      | 326-1212        | <b>3261212C</b> | 10           | ---                                       |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>3</sup> NPT thread

## Male Branch Tees

## Feature:

- ref SAE 130425



| NPTF | Extruded Brass  |                 | Optional Qty | Lead Free Brass <sup>1, 2, 3</sup> Part # |
|------|-----------------|-----------------|--------------|---|
|      | Previous Part # | Part #          |              |   |
| 1/8" | 324-0202        | <b>3240202C</b> | 25           | ---                                       |
| 1/4" | 324-0404        | <b>3240404C</b> | 25           | ---                                       |
| 3/8" | 324-0606        | <b>3240606C</b> | 25           | <b>3240606CLF</b>                         |
| 1/2" | 324-0808        | <b>3240808C</b> | 25           | ---                                       |
| 3/4" | 324-1212        | <b>3241212C</b> | 10           | ---                                       |

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>3</sup> NPT thread

## NPT Threaded Crosses



| Female NPT | 150# Iron Part # |
|------------|------------------|
| 1/8"       | <b>MIC18</b>     |
| 1/4"       | <b>MIC25</b>     |
| 3/8"       | <b>MIC38</b>     |
| 1/2"       | <b>MIC50</b>     |
| 3/4"       | <b>MIC75</b>     |
| 1"         | <b>MIC100</b>    |
| 1 1/4"     | <b>MIC125</b>    |
| 1 1/2"     | <b>MIC150</b>    |
| 2"         | <b>MIC200</b>    |
| 2 1/2"     | <b>MIC250</b>    |
| 3"         | <b>MIC300</b>    |
| 4"         | <b>MIC400</b>    |

## Pipe Crosses



| Female NPTF | Extruded Brass  |                 | Optional Qty |
|-------------|-----------------|-----------------|--------------|
|             | Previous Part # | Part #          |              |
| 1/8"        | 228-0202        | <b>2280202C</b> | 25           |
| 1/4"        | 228-0404        | <b>2280404C</b> | 25           |
| 3/8"        | 228-0606        | <b>2280606C</b> | 25           |
| 1/2"        | 228-0808        | <b>2280808C</b> | 10           |
| 3/4"        | 228-1212        | <b>2281212C</b> | 10           |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## NPT Threaded Caps

## Features:

- other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

| Female NPT | 300# Iron<br>Part # | 150# Iron<br>Part # |
|------------|---------------------|---------------------|
| 1/8"       | ---                 | <b>MICAP18</b>      |
| 1/4"       | ---                 | <b>MICAP25</b>      |
| 3/8"       | ---                 | <b>MICAP38</b>      |
| 1/2"       | <b>300MICAP50</b>   | <b>MICAP50</b>      |
| 3/4"       | <b>300MICAP75</b>   | <b>MICAP75</b>      |
| 1"         | <b>300MICAP100</b>  | <b>MICAP100</b>     |
| 1 1/4"     | <b>300MICAP125</b>  | <b>MICAP120</b>     |
| 1 1/2"     | <b>300MICAP150</b>  | <b>MICAP150</b>     |
| 2"         | <b>300MICAP200</b>  | <b>MICAP200</b>     |
| 2 1/2"     | ---                 | <b>MICAP250</b>     |
| 3"         | ---                 | <b>MICAP300</b>     |
| 4"         | ---                 | <b>MICAP400</b>     |
| 5"         | ---                 | <b>MICAP500</b>     |
| 6"         | ---                 | <b>MICAP600</b>     |

| Female NPT | 150# Galvanized Iron<br>Part # | 150# 316 Stainless Steel<br>Part # |
|------------|--------------------------------|------------------------------------|
| 1/8"       | ---                            | <b>SSCAP18</b>                     |
| 1/4"       | ---                            | <b>SSCAP25</b>                     |
| 3/8"       | ---                            | <b>SSCAP38</b>                     |
| 1/2"       | <b>MICAP50G</b>                | <b>SSCAP50</b>                     |
| 3/4"       | <b>MICAP75G</b>                | <b>SSCAP75</b>                     |
| 1"         | ---                            | <b>SSCAP10</b>                     |
| 1 1/4"     | ---                            | <b>SSCAP12</b>                     |
| 1 1/2"     | ---                            | <b>SSCAP15</b>                     |
| 2"         | <b>MICAP200G</b>               | <b>SSCAP20</b>                     |



300# iron



150# iron



150# galvanized iron



150# 316 stainless steel

Pipe, Welding  
& Tube Fittings

## NPT Pipe Caps

| Female NPT | Optional Qty | Lead Free Brass <sup>1, 2, 3</sup><br>Part # |
|------------|--------------|--|
| 1/8"       | 50           | <b>2130200CLF</b>                            |
| 1/4"       | 100          | <b>2130400CLF</b>                            |
| 3/8"       | 25           | <b>2130600CLF</b>                            |
| 1/2"       | 25           | <b>2130800CLF</b>                            |
| 3/4"       | 25           | <b>2131200CLF</b>                            |

<sup>1</sup> lead free per NSF/ANSI 372<sup>2</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400<sup>3</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant





150# iron



150# galvanized iron



150# 316 stainless steel



3000# forged steel



125# brass

## NPT Threaded Square Head Plugs

## Feature:

- forged steel and brass plugs are solid, all others are cored

| Male NPT | 150# Iron<br>Part # | 150# Galvanized Iron<br>Part # | 150# 316 Stain. Steel<br>Part # |
|----------|---------------------|--------------------------------|---------------------------------|
| 1/8"     | <b>SHP18</b>        | <b>SHP18G</b>                  | <b>SHP18SS</b>                  |
| 1/4"     | <b>SHP14</b>        | <b>SHP14G</b>                  | <b>SHP14SS</b>                  |
| 3/8"     | <b>SHP38</b>        | <b>SHP38G</b>                  | <b>SHP38SS</b>                  |
| 1/2"     | <b>SHP50</b>        | <b>SHP50G</b>                  | <b>SHP50SS</b>                  |
| 3/4"     | <b>SHP75</b>        | <b>SHP75G</b>                  | <b>SHP75SS</b>                  |
| 1"       | <b>SHP100</b>       | <b>SHP100G</b>                 | <b>SHP100SS</b>                 |
| 1 1/4"   | <b>SHP125</b>       | <b>SHP125G</b>                 | <b>SHP125SS</b>                 |
| 1 1/2"   | <b>SHP150</b>       | <b>SHP150G</b>                 | <b>SHP150SS</b>                 |
| 2"       | <b>SHP200</b>       | <b>SHP200G</b>                 | <b>SHP200SS</b>                 |
| 2 1/2"   | <b>SHP250</b>       | <b>SHP250G</b>                 | <b>SHP250SS</b>                 |
| 3"       | <b>SHP300</b>       | <b>SHP300G</b>                 | <b>SHP300SS</b>                 |
| 4"       | <b>SHP400</b>       | <b>SHP400G</b>                 | <b>SHP400SS</b>                 |
| 5"       | <b>SHP500</b>       | ---                            | ---                             |
| 6"       | <b>SHP600</b>       | <b>SHP600G</b>                 | ---                             |

| Male NPT | 3000# Forged Steel<br>Part # | 125# Brass<br>Part #           |
|----------|------------------------------|--------------------------------|
| 1/8"     | ---                          | <b>2110200C</b> <sup>1,2</sup> |
| 1/4"     | <b>SHP14FS</b>               | <b>2110400C</b> <sup>1,2</sup> |
| 3/8"     | <b>SHP38FS</b>               | <b>2110600C</b> <sup>1,2</sup> |
| 1/2"     | <b>SHP50FS</b>               | <b>2110800C</b> <sup>1,2</sup> |
| 3/4"     | <b>SHP75FS</b>               | <b>2111200C</b> <sup>1,2</sup> |
| 1"       | <b>SHP100FS</b>              | <b>SHP100B</b>                 |
| 1 1/2"   | <b>SHP150FS</b>              | <b>SHP150B</b>                 |
| 2"       | <b>SHP200FS</b>              | ---                            |
| 3"       | <b>SHP300FS</b>              | ---                            |

<sup>1</sup> lead free brass per NSF/ANSI 372, Brass Alloy 260/270

<sup>2</sup> threads are PTF-SAE

## Hex Head Plugs



| NPT  | Brass           |                 | Pkg Qty | Lead Free Brass <sup>1,2</sup><br>Part # |
|------|-----------------|-----------------|---------|--|
|      | Previous Part # | Part #          |         |  |
| 1/8" | HHP1M           | <b>1630200C</b> | 50      | <b>1630200CLF</b>                        |
| 1/4" | HHP2M           | <b>1630400C</b> | 100     | <b>1630400CLF</b>                        |
| 3/8" | HHP3M           | <b>1630600C</b> | 25      | ---                                      |
| 1/2" | HHP4M           | <b>1630800C</b> | 25      | ---                                      |
| 3/4" | HHP6M           | <b>1631200C</b> | 25      | ---                                      |
| 1"   | HHP8M           | <b>1631600C</b> | 10      | ---                                      |

- standard brass hex head plug is hollow; lead free brass is solid

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

## Hex Socket Plugs



| NPTF | Lead Free Brass <sup>1</sup> |                 | Optional Qty |
|------|------------------------------|-----------------|--------------|
|      | Previous Part #              | Part #          |              |
| 1/8" | 219-0200                     | <b>2190200C</b> | 50           |
| 1/4" | 219-0400                     | <b>2190400C</b> | 100          |
| 3/8" | 219-0600                     | <b>2190600C</b> | 25           |
| 1/2" | 219-0800                     | <b>2190800C</b> | 25           |
| 3/4" | 219-1200                     | <b>2191200C</b> | 25           |

<sup>1</sup> lead free brass per NSF/ANSI 372, Brass Alloy 260/270

- For additional information on pipe dimensions please reference dixonvalve.com.

## Polypropylene Schedule 80 - Pipe Couplings

| Female NPT | Polypropylene<br>Part # |
|------------|-------------------------|
| 3/4"       | <b>62238</b>            |
| 1"         | <b>62239</b>            |
| 1 1/2"     | <b>62241</b>            |
| 2"         | <b>62194</b>            |

Pipe, Welding  
& Tube Fittings

## Tuff-Lite™ - Female NPT x Female NPT Adapters

- sold in package quantity only

| Female NPT | Female NPT | Nylon<br>Part # | Pkg<br>Qty |
|------------|------------|-----------------|------------|
| 1/2"       | 1/2"       | <b>TA994</b>    | 25         |
| 3/4"       | 3/4"       | <b>TA996</b>    | 25         |



## Polypropylene Schedule 80 - Reducer Bushings

| Male NPT | Female NPT | Polypropylene<br>Part # |
|----------|------------|-------------------------|
| 1/2"     | 1/4"       | <b>62267</b>            |
| 3/4"     | 1/2"       | <b>62272</b>            |
| 1"       | 1/2"       | <b>62275</b>            |
| 1"       | 3/4"       | <b>62276</b>            |
| 1 1/4"   | 3/4"       | <b>62277</b>            |
| 1 1/4"   | 1"         | <b>62278</b>            |
| 1 1/2"   | 3/4"       | <b>62279</b>            |
| 1 1/2"   | 1"         | <b>62280</b>            |
| 1 1/2"   | 1 1/4"     | <b>62281</b>            |
| 2"       | 3/4"       | <b>62195</b>            |
| 2"       | 1"         | <b>62196</b>            |
| 2"       | 1 1/4"     | <b>62197</b>            |
| 2"       | 1 1/2"     | <b>62198</b>            |
| 3"       | 2"         | <b>60330</b>            |



## Tuff-Lite™ - Male NPT x Female Threaded Swivel Nut Adapters

- female shipped with a red vinyl washer (**TVW7**), replacement washers on page 242

| Male NPT | Female Thread | Nylon<br>Part # |
|----------|---------------|-----------------|
| 1/4"     | 3/4" GHT      | <b>TSA72</b>    |
| 3/8"     | 3/4" GHT      | <b>TSA73</b>    |
| 1/4"     | 3/4" NPS      | <b>TSA62</b>    |
| 3/8"     | 3/4" NPS      | <b>TSA63</b>    |



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## Tuff-Lite™ - Reducing Bushings

| Male NPT | Female NPT | Nylon<br>Part # |
|----------|------------|-----------------|
| 3/8"     | 1/4"       | <b>THB32</b>    |
| 1/2"     | 1/4"       | <b>THB42</b>    |
| 1/2"     | 3/8"       | <b>THB43</b>    |
| 3/4"     | 1/2"       | <b>THB64</b>    |
| 1"       | 3/4"       | <b>THB86</b>    |



- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Tuff-Lite™ - Close Nipples

- sold in package quantity only



| Male NPT | Nylon<br>Part # | Pkg<br>Qty |
|----------|-----------------|------------|
| 1/4"     | <b>TCN202</b>   | 50         |
| 3/8"     | <b>TCN303</b>   | 50         |
| 1/2"     | <b>TCN404</b>   | 50         |
| 3/4"     | <b>TCN606</b>   | 50         |

## Polypropylene Schedule 80 - Hex Nipples



| Male NPT | Polypropylene<br>Part # |
|----------|-------------------------|
| 1/2"     | <b>62221</b>            |
| 3/4"     | <b>60554</b>            |
| 1"       | <b>60555</b>            |
| 1 1/4"   | <b>60556</b>            |
| 1 1/2"   | <b>60547</b>            |
| 2"       | <b>60548</b>            |
| 3"       | <b>61769</b>            |

## Polypropylene Schedule 80 - Reducer Nipples



| Male NPT | Male NPT | Polypropylene<br>Part # |
|----------|----------|-------------------------|
| 3/4"     | 1/2"     | <b>62233</b>            |
| 1"       | 3/4"     | <b>62234</b>            |
| 1 1/4"   | 1"       | <b>62235</b>            |
| 1 1/2"   | 1 1/4"   | <b>62236</b>            |
| 2"       | 1 1/2"   | <b>60549</b>            |

## Polypropylene Schedule 80 - Nipples



| Male NPT | Length | Polypropylene<br>Part # |
|----------|--------|-------------------------|
| 3/4"     | 4"     | <b>62223</b>            |
| 3/4"     | 6"     | <b>62224</b>            |
| 1"       | 4"     | <b>62225</b>            |
| 1"       | 6"     | <b>62226</b>            |
| 2"       | 4"     | <b>62192</b>            |
| 2"       | 6"     | <b>62193</b>            |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Polypropylene Schedule 80 - 90° Elbows

| Female NPT | Polypropylene<br>Part # |
|------------|-------------------------|
| 1/2"       | <b>62215</b>            |
| 3/4"       | <b>62216</b>            |
| 1"         | <b>62217</b>            |
| 1 1/2"     | <b>62219</b>            |
| 2"         | <b>62191</b>            |
| 3"         | <b>62220</b>            |

Pipe, Welding  
& Tube Fittings

## Tuff-Lite™ - Street Female NPT x 90° Male NPT Elbows

| Female NPT | Male NPT | Nylon<br>Part # |
|------------|----------|-----------------|
| 1/4"       | 1/4"     | <b>TSE22</b>    |
| 1/2"       | 1/2"     | <b>TSE44</b>    |
| 3/4"       | 3/4"     | <b>TSE66</b>    |



## Polypropylene Schedule 80 - 90° Street Elbows

| NPT Thread | Polypropylene<br>Part # |
|------------|-------------------------|
| 1/2"       | <b>62243</b>            |
| 3/4"       | <b>62244</b>            |
| 1"         | <b>62245</b>            |
| 1 1/4"     | <b>62246</b>            |
| 1 1/2"     | <b>62247</b>            |
| 2"         | <b>62199</b>            |
| 3"         | <b>62248</b>            |



## Polypropylene Schedule 80 - Tees

| Female NPT | Polypropylene<br>Part # |
|------------|-------------------------|
| 1/2"       | <b>62209</b>            |
| 3/4"       | <b>62210</b>            |
| 1"         | <b>62211</b>            |
| 1 1/4"     | <b>62212</b>            |
| 1 1/2"     | <b>62213</b>            |
| 2"         | <b>62190</b>            |
| 3"         | <b>62214</b>            |



## Polypropylene Schedule 80 - Cross

| Female NPT | Polypropylene<br>Part # |
|------------|-------------------------|
| 1"         | <b>62263</b>            |



- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Tuff-Lite™ - Female Threaded Swivel Nuts



| Female Thread | Nylon<br>Part # |
|---------------|-----------------|
| 3/4" NPSM     | <b>TCF6</b>     |
| 3/4" GHT      | <b>TCF7</b>     |

## Tuff-Lite™ - Threaded Caps

- sold in package quantity only



| Female Thread | Nylon<br>Part # | Pkg<br>Qty |
|---------------|-----------------|------------|
| 1/4" NPT      | <b>TTC2</b>     | 50         |
| 3/8" NPT      | <b>TTC3</b>     | 50         |
| 1/2" NPT      | <b>TTC4</b>     | 50         |
| 3/4" NPT      | <b>TTC6</b>     | 50         |
| 3/4" GHT      | <b>TTC7</b>     | 50         |

## Tuff-Lite™ - Hex Head Drain Plugs

- sold in package quantity only



| Male NPT | Nylon<br>Part # | Pkg<br>Qty |
|----------|-----------------|------------|
| 1/8"     | <b>TPX1</b>     | 50         |
| 1/4"     | <b>TPX2</b>     | 50         |
| 3/8"     | <b>TPX3</b>     | 50         |
| 1/2"     | <b>TPX4</b>     | 50         |
| 3/4"     | <b>TPX6</b>     | 50         |
| 1"       | <b>TPX8</b>     | 50         |
| 1 1/4"   | <b>TPX10</b>    | 25         |

## Tuff-Lite™ - Square Head Drain Plugs

- sold in package quantity only



| Male NPT | Nylon<br>Part # | Pkg<br>Qty |
|----------|-----------------|------------|
| 1/8"     | <b>TPS1</b>     | 50         |
| 1/4"     | <b>TPS2</b>     | 50         |
| 3/8"     | <b>TPS3</b>     | 50         |
| 1/2"     | <b>TPS4</b>     | 50         |
| 3/4"     | <b>TPS6</b>     | 50         |
| 1"       | <b>TPS8</b>     | 50         |
| 1 1/4"   | <b>TPS10</b>    | 25         |

## Polypropylene Schedule 80 - Pipe Caps



| Female NPT | Polypropylene<br>Part # |
|------------|-------------------------|
| 3/4"       | <b>62250</b>            |
| 1"         | <b>62251</b>            |

## Polypropylene Schedule 80 - Pipe Plugs



| Male NPT | Polypropylene<br>Part # |
|----------|-------------------------|
| 3/4"     | <b>62256</b>            |
| 1"       | <b>62257</b>            |
| 1 1/4"   | <b>62258</b>            |
| 1 1/2"   | <b>62259</b>            |
| 2"       | <b>62201</b>            |

- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Bulkhead Fittings

**Application:**

- for use on most poly storage tanks and many steel and fiberglass tanks

**Features:**

- glass reinforced polypropylene provides strength and chemical resistance
- EPDM gaskets are standard
- FKM gaskets are available, contact Dixon® to order

**female NPT fittings**

| Female NPT         | Hole Size | Polypropylene Part #      |
|--------------------|-----------|---------------------------|
| 1/2"               | 1-7/16"   | <b>62834</b>              |
| 3/4"               | 1-7/16"   | <b>60401</b>              |
| 1"                 | 2-1/4"    | <b>60427</b>              |
| 1 1/4"             | 2-1/4"    | <b>60403</b>              |
| 1 1/2"             | 3"        | <b>60124</b>              |
| 1 1/2"             | 2-3/8"    | <b>63931</b> <sup>1</sup> |
| 2"                 | 3"        | <b>60405</b>              |
| 2"                 | 3"        | <b>63481</b> <sup>2</sup> |
| 2" HD <sup>3</sup> | 3-1/4"    | <b>63683</b>              |
| 3"                 | 4-1/2"    | <b>62299</b> <sup>1</sup> |

<sup>1</sup> 1 1/2" and 3" do not contain a washer

<sup>2</sup> designed for tank wall thickness less than 3/8" - low profile



Pipe, Welding  
& Tube Fittings

**Gaskets**

| Size               | EPDM Part #  |
|--------------------|--------------|
| 1/2" - 3/4"        | <b>60402</b> |
| 1" - 1 1/4"        | <b>60404</b> |
| 1 1/2"             | <b>63938</b> |
| 2"                 | <b>60406</b> |
| 2" HD <sup>1</sup> | <b>60336</b> |
| 3"                 | <b>60331</b> |

<sup>1</sup> heavy duty



## Bulkhead Couplings

| Female NPTF | External Male UNS | Length | Brass Part #   |
|-------------|-------------------|--------|----------------|
| 1/8"        | 5/8"              | 1.50"  | <b>207BH2</b>  |
| 1/4"        | 3/4"              | 1.50"  | <b>207BH4</b>  |
| 1/4"        | 3/4"              | .94"   | <b>207BH4S</b> |
| 3/8"        | 1"                | 1.31"  | <b>207BH6</b>  |
| 1/2"        | 1-1/8"            | 1.50"  | <b>207BH8</b>  |
| 3/4"        | 1-5/16"           | 1.50"  | <b>207BH12</b> |

Note: washer nut is 12L14 steel





## Bolted Fittings

## Polypropylene Female NPT fittings

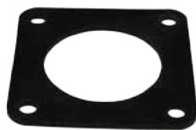
## Features:

- bolts thread into back plate of fitting leaving no welds, holes as potential points of leakage
- 316 stainless steel bolts
- 2 required, EPDM gaskets are standard (sold separately)
- FKM gaskets are available, contact Dixon®



| Size | Polypropylene<br>Part # |
|------|-------------------------|
| ¾"   | <b>60502</b>            |
| 1"   | <b>60505</b>            |
| 1½"  | <b>60513</b>            |
| 2"   | <b>60516</b>            |

## Gaskets



| Size     | EPDM<br>Part # |
|----------|----------------|
| ¾" - 1"  | <b>60498</b>   |
| 1½" - 2" | <b>60497</b>   |

## Stainless Steel Female NPT fittings

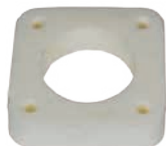
## Features:

- bolts thread into back plate of fitting leaving no welds, holes as potential points of leakage
- 316 stainless steel bolts
- required, cross-linked polyethylene gaskets are standard (*sold separately*)
- FKM and EPDM gaskets are available, contact Dixon®



| Size | Stainless Steel<br>Part # |
|------|---------------------------|
| ¾"   | <b>63035</b>              |
| 1"   | <b>62948</b>              |
| 1½"  | <b>63037</b>              |
| 2"   | <b>63038</b>              |

## Gaskets



| Size    | Cross-Linked Polyethylene<br>Part # |
|---------|-------------------------------------|
| ¾" - 1" | <b>62950</b>                        |
| 1½"     | <b>63042</b>                        |
| 2"      | <b>62848</b>                        |

## Swage Nipples

## Features:

- manufactured in conformance with ASTM A234 and MSS SP-95
- threads on nipples conform to ASME B1.20.1
- schedule 40 nipples have blue caps
- schedule 80 nipples have green caps

| Male NPT  | Length | Zinc Plated Schedule 40<br>Part # |
|-----------|--------|-----------------------------------|
| 2" x 1"   | 6.5"   | SW40-200100                       |
| 2" x 1¼"  | 6.5"   | SW40-200125                       |
| 2" x 1½"  | 6.5"   | SW40-200150                       |
| 2½" x 1"  | 7"     | SW40-250100                       |
| 2½" x 1½" | 7"     | SW40-250150                       |
| 2½" x 2"  | 7"     | SW40-250200                       |
| 3" x 2"   | 8"     | SW40-300200                       |
| 3" x 2½"  | 8"     | SW40-300250                       |
| 4" x 2"   | 9"     | SW40-400200                       |
| 4" x 2½"  | 9"     | SW40-400250                       |
| 4" x 3"   | 9"     | SW40-400300                       |
| 6" x 3"   | 12"    | SW40-600300                       |
| 6" x 4"   | 12"    | SW40-600400                       |
| 8" x 4"   | 13"    | SW40-800400                       |
| 8" x 6"   | 13"    | SW40-800600                       |

Pipe, Welding  
& Tube Fittings

| Male NPT | Length | Zinc Plated Schedule 80<br>Part # |
|----------|--------|-----------------------------------|
| ½" x ¼"  | 2.8"   | SW80-050025                       |
| ½" x ⅜"  | 2.8"   | SW80-050038                       |
| ¾" x ½"  | 3.0"   | SW80-075050                       |
| 1" x ¼"  | 3.5"   | SW80-100025                       |
| 1" x ½"  | 3.5"   | SW80-100050                       |
| 1" x ¾"  | 3.5"   | SW80-100075                       |
| 2" x ½"  | 6.5"   | SW80-200050                       |
| 2" x ¾"  | 6.5"   | SW80-200075                       |
| 2" x 1"  | 6.5"   | SW80-200100                       |
| 2" x 1¼" | 6.5"   | SW80-200125                       |
| 2" x 1½" | 6.5"   | SW80-200150                       |
| 2½" x 2" | 7.0"   | SW80-250200                       |
| 3" x 1"  | 8.0"   | SW80-300100                       |
| 3" x 2"  | 8.0"   | SW80-300200                       |
| 3" x 2½" | 8.0"   | SW80-300250                       |
| 4" x 2"  | 9.0"   | SW80-400200                       |
| 4" x 3"  | 9.0"   | SW80-400300                       |
| 4" x 4"  | 9.0"   | SW80-400400                       |
| 6" x 3"  | 12.0"  | SW80-600300                       |
| 6" x 4"  | 12.0"  | SW80-600400                       |
| 8" x 6"  | 13.0"  | SW80-800600                       |



- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).



schedule 80

**Features:**

- manufactured in conformance with ASTM A234 and MSS SP-95
- threads on nipples conform to ASME B1.20.1
- schedule 40 nipples have blue caps
- schedule 80 nipples have green caps

| Male NPT | Length | Zinc Plated Schedule 40<br>Part # | Zinc Plated Schedule 80<br>Part # |
|----------|--------|-----------------------------------|-----------------------------------|
| 2"       | 4"     | <b>BP40-200</b>                   | <b>BP80-200</b>                   |
| 2½"      | 5"     | <b>BP40-250</b>                   | <b>BP80-250</b>                   |
| 3"       | 6"     | <b>BP40-300</b>                   | <b>BP80-300</b>                   |
| 4"       | 7"     | <b>BP40-400</b>                   | <b>BP80-400</b>                   |

## Bull Plugs with Tap



schedule 40

**Features:**

- manufactured in conformance with ASTM A234 and MSS SP-95
- threads on nipples conform to ASME B1.20.1
- schedule 40 nipples have blue caps
- schedule 80 nipples have green caps

| Male NPT | Length | Zinc Plated Schedule 40<br>Part # | Zinc Plated Schedule 80<br>Part # |
|----------|--------|-----------------------------------|-----------------------------------|
| 2" x ¼"  | 4"     | <b>BP40-200T025</b>               | <b>BP80-200T025</b>               |
| 2" x ½"  | 5"     | <b>BP40-200T050</b>               | <b>BP80-200T050</b>               |
| 3" x ½"  | 6"     | <b>BP40-300T050</b>               | <b>BP80-300T050</b>               |
| 4" x ½"  | 7"     | <b>BP40-400T050</b>               | <b>BP80-400T050</b>               |

## Hammer Unions

### Features:

- Socket weld configurations and other materials are available, contact Dixon® for further information.
- Hammer unions work at extremely high pressures. Mismatching components of one series with another (i.e. series 602 with series 1502) can lead to destruction of property, serious bodily injury or death.
- temperature range: **-20°F to 250°F (-29°C to 121°C)**
- non-shocking cold water pressure means that the rated value is the maximum operating pressure at ambient temperature
- no spikes higher than this pressure
- no instantaneous pressure increases (0-2000 PSIG in ¼ of a second)
- ambient temperature: **70°F (21°C)**



### 100 Series

#### Features:

- used on low pressure manifolds and lines and in applications running air, water, oil or gas up to **1,000 PSI NSCWP** (non-shock cold working pressure)
- yellow sub, black nut

| Size | Configuration | NSCWP (PSI) | Forged Steel Part #           |
|------|---------------|-------------|-------------------------------|
| 2"   | threaded      | <b>1000</b> | <b>HU100200</b>               |
|      | butt weld     | <b>1000</b> | <b>HU100200BW<sup>1</sup></b> |
| 2½"  | threaded      | <b>1000</b> | <b>HU100250</b>               |
| 3"   | threaded      | <b>1000</b> | <b>HU100300</b>               |
| 4"   | threaded      | <b>1000</b> | <b>HU100400</b>               |
|      | butt weld     | <b>1000</b> | <b>HU100400BW<sup>1</sup></b> |
| 6"   | threaded      | <b>1000</b> | <b>HU100600</b>               |
| 8"   | threaded      | <b>1000</b> | <b>HU100800</b>               |

<sup>1</sup> butt weld ends are schedule 40



### 200 Series

#### Features:

- used in general service applications running air, water, oil or gas up to **2,000 PSI NSCWP** (non-shock cold working pressure)
- Nitrile O-ring mounted sub provides excellent sealing properties
- grey sub, blue nut

| Size | Configuration | NSCWP (PSI) | Forged Steel Part #           |
|------|---------------|-------------|-------------------------------|
| 1"   | threaded      | <b>2000</b> | <b>HU200100</b>               |
| 1½"  | threaded      | <b>2000</b> | <b>HU200150</b>               |
| 2"   | threaded      | <b>2000</b> | <b>HU200200</b>               |
|      | butt weld     | <b>2000</b> | <b>HU200200BW<sup>1</sup></b> |
| 2½"  | threaded      | <b>2000</b> | <b>HU200250</b>               |
| 3"   | threaded      | <b>2000</b> | <b>HU200300</b>               |
| 4"   | threaded      | <b>2000</b> | <b>HU200400</b>               |
| 6"   | threaded      | <b>2000</b> | <b>HU200600</b>               |
| 8"   | threaded      | <b>2000</b> | <b>HU200800</b>               |

<sup>1</sup> butt weld ends are schedule 40



### 206 Series

#### Features:

- used in general service applications running air, water, oil and gas up to **2,000 PSI NSCWP** (non-shock cold working pressure)
- Nitrile O-ring mounted sub provides excellent sealing properties
- grey sub, blue nut

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|------|---------------|-------------|---------------------|
| 1"   | threaded      | <b>2000</b> | <b>HU206100</b>     |
| 1½"  | threaded      | <b>2000</b> | <b>HU206150</b>     |
| 2"   | threaded      | <b>2000</b> | <b>HU206200</b>     |
| 2½"  | threaded      | <b>2000</b> | <b>HU206250</b>     |
| 3"   | threaded      | <b>2000</b> | <b>HU206300</b>     |
| 4"   | threaded      | <b>2000</b> | <b>HU206400</b>     |
| 6"   | threaded      | <b>2000</b> | <b>HU206600</b>     |
| 8"   | threaded      | <b>2000</b> | <b>HU206800</b>     |



## Hammer Unions

## 400 Series

**Features:**

- used on manifold and line connections, pump, suction and mud service
- up to **4,000 PSI NSCWP** (non-shock cold working pressure)
- red sub, black nut

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|------|---------------|-------------|---------------------|
| 2"   | threaded      | <b>4000</b> | <b>HU400200</b>     |
| 3"   | threaded      | <b>4000</b> | <b>HU400300</b>     |
| 4"   | threaded      | <b>4000</b> | <b>HU400400</b>     |

## 602 Series

**Features:**

- for use in mud, manifold service and truck mounting applications running water, oil or mud up to **6,000 PSI NSCWP** (non-shock cold working pressure)
- lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- orange sub, black nut



| Size | Configuration | NSCWP (PSI) | Forged Steel Part #           |
|------|---------------|-------------|-------------------------------|
| 1"   | threaded      | <b>6000</b> | <b>HU602100</b>               |
| 2"   | threaded      | <b>6000</b> | <b>HU602200</b>               |
|      | butt weld     | <b>6000</b> | <b>HU602200BW<sup>1</sup></b> |
| 3"   | threaded      | <b>6000</b> | <b>HU602300</b>               |
|      | butt weld     | <b>6000</b> | <b>HU602300BW<sup>1</sup></b> |
| 4"   | threaded      | <b>6000</b> | <b>HU602400</b>               |
|      | butt weld     | <b>6000</b> | <b>HU602400BW<sup>1</sup></b> |

<sup>1</sup> butt weld ends are schedule 80

## 1002 Series

**Features:**

- for use in high pressure systems and truck mounting applications running water, oil or mud up to **10,000 PSI NSCWP** (non-shock cold working pressure)
- lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- blue sub, red nut



| Size | Configuration | NSCWP (PSI)  | Forged Steel Part #            |
|------|---------------|--------------|--------------------------------|
| 1"   | threaded      | <b>10000</b> | <b>HU1002100</b>               |
| 2"   | threaded      | <b>10000</b> | <b>HU1002200</b>               |
|      | butt weld     | <b>10000</b> | <b>HU1002200BW<sup>1</sup></b> |
| 3"   | threaded      | <b>10000</b> | <b>HU1002300</b>               |
|      | butt weld     | <b>10000</b> | <b>HU1002300BW<sup>1</sup></b> |
| 4"   | threaded      | <b>10000</b> | <b>HU1002400</b>               |
|      | butt weld     | <b>10000</b> | <b>HU1002400BW<sup>1</sup></b> |

<sup>1</sup> butt weld ends are schedule XXS

## Hammer Unions

## 1502 Series

## Features:

- for use in extreme high pressure applications running water, oil or mud up to **15,000 PSI** NSCWP (non-shock cold working pressure)
- lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- red sub, blue nut

| Size | Configuration | NSCWP (PSI)  | Forged Steel Part #            |
|------|---------------|--------------|--------------------------------|
| 2"   | threaded      | <b>15000</b> | <b>HU1502200</b>               |
|      | butt weld     | <b>15000</b> | <b>HU1502200BW<sup>1</sup></b> |
| 3"   | threaded      | <b>15000</b> | <b>HU1502300</b>               |
|      | butt weld     | <b>15000</b> | <b>HU1502300BW<sup>1</sup></b> |
| 4"   | threaded      | <b>15000</b> | <b>HU1502400</b>               |
|      | butt weld     | <b>15000</b> | <b>HU1502400BW<sup>1</sup></b> |

<sup>1</sup> butt weld ends are schedule XXS



Pipe, Welding  
& Tube Fittings

## Hookie - Hook Hose Lifter

## Features:

- for use with hammer unions on pages 681, 683
- safe working load is 4 tons, with a proof load test of 8 tons
- supplied complete with retaining clamp

| Size | Forged Steel Part # |
|------|---------------------|
| 3"   | <b>HA0900-3</b>     |
| 4"   | <b>HA0900-4</b>     |
| 5"   | <b>HA0900-5</b>     |







## NPT Threaded Pipe Fittings

| Size   | Overall Length | Carbon Steel<br>Part # | 304 Stainless Steel<br>Part # | Aluminum<br>Part # |
|--------|----------------|------------------------|-------------------------------|--------------------|
| 1/4"   | 2"             | <b>PN250</b>           | <b>PNS250</b>                 | ---                |
| 3/8"   | 2"             | <b>PN375</b>           | <b>PNS375</b>                 | ---                |
| 1/2"   | 2"             | <b>PN500</b>           | <b>PNS500</b>                 | ---                |
| 3/4"   | 2"             | <b>PN750</b>           | <b>PNS750</b>                 | ---                |
| 1"     | 2"             | <b>PN1000</b>          | <b>PNS1000</b>                | ---                |
| 1 1/4" | 2"             | <b>PN1250</b>          | <b>PNS1250</b>                | ---                |
| 1 1/2" | 2"             | <b>PN1500</b>          | <b>PNS1500</b>                | ---                |
| 2"     | 2"             | <b>PN2000</b>          | <b>PNS2000</b>                | ---                |
| 2 1/2" | 3"             | <b>PN2500</b>          | <b>PNS2500</b>                | ---                |
| 3"     | 3"             | <b>PN3000</b>          | <b>PNS3000</b>                | <b>APN3000</b>     |
| 4"     | 4"             | <b>PN4000</b>          | <b>PNS4000</b>                | <b>APN4000</b>     |

## Dixon® Hex Nipples for Welding to Metal Hose



carbon steel



machined brass



global stainless

| Size   | Carbon Steel <sup>1</sup><br>Part # | Optional Qty | Machined Brass<br>Part # |
|--------|-------------------------------------|--------------|--------------------------|
| 1/4"   | <b>FM250</b>                        | 200          | <b>FMB250</b>            |
| 3/8"   | <b>FM375</b>                        | 100          | <b>FMB375</b>            |
| 1/2"   | <b>FM500</b>                        | 50           | <b>FMB500</b>            |
| 3/4"   | <b>FM750</b>                        | 50           | <b>FMB750</b>            |
| 1"     | <b>FM1000</b>                       | 50           | <b>FMB1000</b>           |
| 1 1/4" | <b>FM1250</b>                       | 50           | ---                      |
| 1 1/2" | <b>FM1500</b>                       | 50           | ---                      |
| 2"     | <b>FM2000</b>                       | 10           | ---                      |

| Size   | 304 Stainless Steel <sup>1</sup><br>Part # | Optional Qty | 316 Stainless Steel <sup>1</sup><br>Part # |
|--------|--|--------------|--|
| 1/4"   | <b>FMS250</b>                              | 200          | ---  |
| 3/8"   | <b>FMS375</b>                              | 100          | ---  |
| 1/2"   | <b>FMS500<sup>2</sup></b>                  | 50           | <b>FMR500<sup>2</sup></b>                  |
| 3/4"   | <b>FMS750<sup>2</sup></b>                  | 50           | <b>FMR750<sup>2</sup></b>                  |
| 1"     | <b>FMS1000<sup>2</sup></b>                 | 50           | <b>FMR1000<sup>2</sup></b>                 |
| 1 1/4" | <b>FMS1250</b>                             | 50           | ---  |
| 1 1/2" | <b>FMS1500</b>                             | 50           | <b>FMR1500</b>                             |

<sup>1</sup> Dixon® suggests using 308 LSI welding rod<sup>2</sup> global stainless steel

## Dixon® Octagonal Nipples for Welding to Metal Hose



| Size | Overall Length | Weld-On Length | Hex Length | Carbon Steel<br>Part # | 304 Stainless Steel<br>Part # |
|------|----------------|----------------|------------|------------------------|-------------------------------|
| 2"   | 2 1/2"         | 7/8"           | 9/16"      | <b>OCTOE32</b>         | <b>OCTOES32</b>               |

• For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

## Dixon® Octagonal Wrench Grips

| Size | Across<br>Outside Flats | Across<br>Inside Flats | Width | 304 Stainless Steel<br>Part # |
|------|-------------------------|------------------------|-------|-------------------------------|
| 1½"  | 2.230"                  | 1.910"                 | 9/16" | <b>OCTS24</b>                 |
| 2"   | 2.781"                  | 2.385"                 | 9/16" | <b>OCTS32</b>                 |
| 3"   | 3.750"                  | 3.510"                 | 7/8"  | <b>OCTS48</b>                 |

| Size | Across<br>Outside Flats | Across<br>Inside Flats | Width | 304 Stainless Steel<br>Part # |
|------|-------------------------|------------------------|-------|-------------------------------|
| 2"   | 2.740"                  | 2.510"                 | 9/16" | <b>OCT32</b>                  |

Pipe, Welding  
& Tube Fittings

## Dixon® Weld-On Hex Wrench Grips

| Size | Global Investment Cast Steel<br>Part # |
|------|--|
| 1"   | <b>WN12</b>                            |
| 1¼"  | <b>WN16</b>                            |
| 1½"  | <b>WN21</b>                            |
| 2"   | <b>WN26</b>                            |
| 2½"  | <b>WN31</b>                            |
| 3"   | <b>WN36</b>                            |
| 4"   | <b>WN46</b>                            |



## Straub Grip-L Axial Restraint Pipe Couplings

**Application:**

- suitable for pipes within the lower pressure range, applications include, but are not limited to: ship building, water and waste water treatment plants and industrial process pipe work

**Features:**

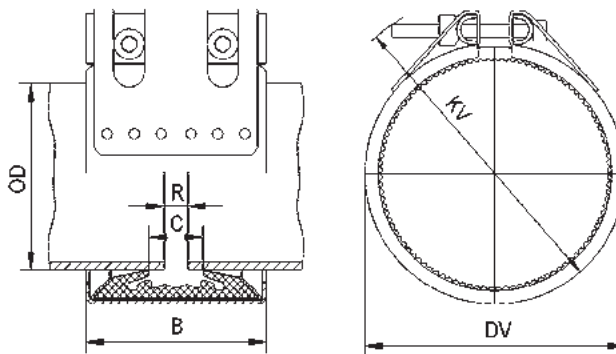
- joins like or dissimilar pipe materials: steel, galvanized, painted, stainless steel, thin-wall stainless steel, PVC, copper
- requires no special tools or pipe-end preparation; only a torque wrench is required for a secure and safe pipe connection that seldom needs retightening
- accommodates up to 5° of pipe misalignment
- vary gap between pipe ends
- absorbs vibration, water hammer and sound
- special patented grip ring for superior holding power on hard-surfaced pipes
- 5 year limited warranty
- reusable
- EPDM sealing sleeve temperature range: - 4°F to 176°F (-20°C to 80°C)
- NBR and FKM sleeves available, contact Dixon® for information

**Materials:**

- casing: AISI 316Ti; screws: AISI 316 L; bolts: AISI 316 Ti; anchoring ring: AISI 301; sealing sleeve: EPDM standard

**Specifications:**

- American Bureau of Shipping (ABS) up to **232 PSI** on ¾" - 5"; **188 PSI** on 6"; **145 PSI** on 8"
- Underwriter's Laboratories (UL)
- National Sanitation Foundation (NSF)
- built to ASTM 1476, Type 2, Class 2 specifications



| Size | Pipe OD Range |                | Working Pressure<br>PSI | Coupling Dimensions |      | Assembled Dimensions |       | Maximum Distance<br>Between Pipe End<br>R | 316 Ti Stainless Steel<br>Part # |
|------|---------------|----------------|-------------------------|---------------------|------|----------------------|-------|---|----------------------------------|
|      | actual        | min to max     |                         | B                   | C    | DV                   | KV    |   |                                  |
| ¾"   | 1.05"         | 1.04" to 1.08" | <b>670</b>              | 1.8"                | 0.7" | 1.7"                 | 2.8"  | 0.2"                                      | <b>STR20000</b> <sup>1</sup>     |
| 1"   | 1.31"         | 1.31" to 1.35" | <b>550</b>              | 1.8"                | 0.7" | 2.0"                 | 3.0"  | 0.2"                                      | <b>STR20100</b> <sup>1</sup>     |
| 1½"  | 1.90"         | 1.88" to 1.92" | <b>440</b>              | 2.4"                | 1.0" | 2.6"                 | 3.9"  | 0.2"                                      | <b>STR20300</b> <sup>1</sup>     |
| 2"   | 2.37"         | 2.35" to 2.40" | <b>320</b>              | 3.0"                | 1.5" | 3.1"                 | 4.3"  | 0.4"                                      | <b>STR20450</b> <sup>1</sup>     |
| 2½"  | 2.87"         | 2.85" to 2.90" | <b>450</b>              | 3.7"                | 1.6" | 3.9"                 | 5.3"  | 0.4"                                      | <b>STR20500</b>                  |
| 3"   | 3.50"         | 3.46" to 3.54" | <b>320</b>              | 3.7"                | 1.6" | 4.4"                 | 5.9"  | 0.4"                                      | <b>STR20650</b>                  |
| 4"   | 4.50"         | 4.46" to 4.54" | <b>232</b>              | 3.7"                | 1.6" | 5.4"                 | 6.7"  | 0.4"                                      | <b>STR20900</b>                  |
| 5"   | 5.50"         | 5.51" to 5.62" | <b>232</b>              | 4.3"                | 2.1" | 6.5"                 | 8.3"  | 0.4"                                      | <b>STR21150</b>                  |
| 6"   | 6.63"         | 6.56" to 6.69" | <b>232</b>              | 4.3"                | 2.1" | 7.6"                 | 9.1"  | 0.4"                                      | <b>STR21350</b>                  |
| 8"   | 8.63"         | 8.54" to 8.71" | <b>232</b>              | 5.6"                | 3.1" | 9.8"                 | 11.6" | 0.4"                                      | <b>STR21400</b>                  |

<sup>1</sup> only has one bolt

Note: All Straub couplings require the correct use of a torque wrench for a safe and proper installation. Straub couplings must be torqued to the specified value as printed on each individual coupling. Failure to do so can result in serious injury or death.

**Not for steam or refrigerant service.**



## Straub Open-Flex 1L Couplings

**Applications:**

- suitable for repairing or joining pipes where access to the pipe end is difficult or impossible

**Features:**

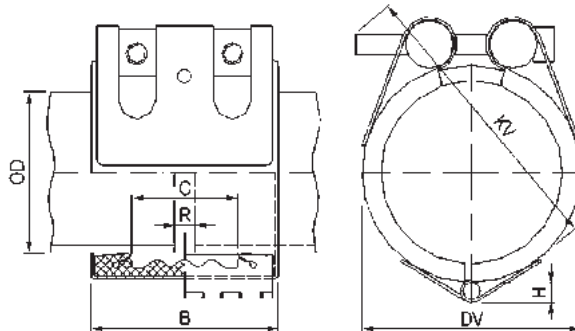
- use to replace bolted sleeve type couplings (AWWA Std. C-219) or for permanent repairs or installation
- wrap-around design differs from similar type repair products because the installation or repair is permanent due to the unique flexible lip seal gasket design
- joins like or dissimilar pipe materials: steel, galvanized, painted, stainless steel, thin-wall stainless steel, PVC, copper
- requires no special tools or pipe-end preparation; only a torque wrench is required for a secure and safe pipe connection that seldom needs retightening
- accommodates up to 5° of pipe misalignment
- vary gap between pipe ends
- absorbs vibration, water hammer, and sound
- acts as an expansion joint; will accept up to .25" of axial movement
- EPDM sealing sleeve temperature range: - 4°F to 176°F (-20°C to 80°C)
- 5 year limited warranty
- reusable

**Materials:**

- casing: AISI 316Ti; screws: AISI 4135 steel; bolts: AISI 12L 14 galvanized

**Specifications:**

- American Bureau of Shipping (ABS) up to **232 PSI**
- Underwriter's Laboratories (UL)
- National Sanitation Foundation (NSF)
- conforms to ASTM 1476, Type 2, Class 3 specifications



| Size | Pipe OD Range |                | Working Pressure<br>PSI | Coupling Dimensions |      |      | Assembled Dimensions |      | Maximum Distance<br>Between Pipe End<br>R | 316 Ti Stainless Steel<br>Part # |
|------|---------------|----------------|-------------------------|---------------------|------|------|----------------------|------|---|----------------------------------|
|      | actual        | min to max     |                         | B                   | C    | H    | DV                   | KV   |   |                                  |
| 1½"  | 1.90"         | 1.85" to 1.95" | <b>363</b>              | 3.0"                | 1.4" | .28" | 2.8"                 | 3.3" | .20"                                      | <b>STR35001</b>                  |
| 2"   | 2.38"         | 2.32" to 2.42" | <b>232</b>              | 3.0"                | 1.4" | .28" | 3.2"                 | 3.7" | .20"                                      | <b>STR35151</b>                  |
| 2½"  | 2.88"         | 2.81" to 2.93" | <b>232</b>              | 3.0"                | 1.4" | .36" | 3.2"                 | 3.7" | .20"                                      | <b>STR35201</b>                  |
| 3"   | 3.50"         | 3.44" to 3.56" | <b>232</b>              | 3.7"                | 2.0" | .36" | 4.4"                 | 4.9" | .20"                                      | <b>STR35351</b>                  |
| 4"   | 4.50"         | 4.43" to 4.57" | <b>232</b>              | 3.7"                | 2.0" | .36" | 5.4"                 | 5.9" | .20"                                      | <b>STR35651</b>                  |
| 5"   | 5.56"         | 5.49" to 5.57" | <b>232</b>              | 4.2"                | 2.4" | .38" | 6.4"                 | 7.1" | .20"                                      | <b>STR35901</b>                  |
| 6"   | 6.63"         | 6.54" to 6.71" | <b>232</b>              | 4.2"                | 2.4" | .38" | 7.5"                 | 8.1" | .20"                                      | <b>STR36051</b>                  |



**Note: Not pull-out resistant.** Ensure that pipes are properly anchored and supported.

**Assembly Tool**

Part #

**STR6648**

## 150 Lb. ASA Forged Lap Joint Flanges

## Features:

- no raised face
- commonly called a Van Stone or a floating flange

| Size | Number of Bolts | Carbon Steel Part # | 316 Stainless Steel Part # |
|------|-----------------|---------------------|----------------------------|
| 1"   | 4               | <i>LJ100</i>        | ---                        |
| 1¼"  | 4               | <i>LJ125</i>        | ---                        |
| 1½"  | 4               | <i>LJ150</i>        | <i>LJR150</i>              |
| 2"   | 4               | <i>LJ200</i>        | <i>LJR200</i>              |
| 2½"  | 4               | <i>LJ250</i>        | ---                        |
| 3"   | 4               | <i>LJ300</i>        | <i>LJR300</i>              |
| 4"   | 8               | <i>LJ400</i>        | <i>LJR400</i>              |
| 5"   | 8               | <i>LJ500</i>        | ---                        |
| 6"   | 8               | <i>LJ600</i>        | <i>LJR600</i>              |
| 8"   | 8               | <i>LJ800</i>        | ---                        |
| 10"  | 12              | <i>LJ1000</i>       | ---                        |
| 12"  | 12              | <i>LJ1200</i>       | ---                        |

Pipe, Welding  
& Tube Fittings

## 150 Lb. ASA Forged Slip-On Flanges

## Feature:

- raised face

| Size | Number of Bolts | Carbon Steel Part # | 316 Stainless Steel Part # |
|------|-----------------|---------------------|----------------------------|
| 1"   | 4               | <i>SO100</i>        | ---                        |
| 1¼"  | 4               | <i>SO125</i>        | ---                        |
| 1½"  | 4               | <i>SO150</i>        | <i>SOR150</i>              |
| 2"   | 4               | <i>SO200</i>        | <i>SOR200</i>              |
| 2½"  | 4               | <i>SO250</i>        | ---                        |
| 3"   | 4               | <i>SO300</i>        | <i>SOR300</i>              |
| 4"   | 8               | <i>SO400</i>        | <i>SOR400</i>              |
| 5"   | 8               | <i>SO500</i>        | ---                        |
| 6"   | 8               | <i>SO600</i>        | <i>SOR600</i>              |
| 8"   | 8               | <i>SO800</i>        | ---                        |
| 10"  | 12              | <i>SO1000</i>       | ---                        |
| 12"  | 12              | <i>SO1200</i>       | ---                        |



## 150 Lb. ASA Forged NPT Threaded Flanges

## Feature:

- raised face

| Size | Number of Bolts | Carbon Steel Part # | 316 Stainless Steel Part # |
|------|-----------------|---------------------|----------------------------|
| 1"   | 4               | <i>T100</i>         | ---                        |
| 1¼"  | 4               | <i>T125</i>         | ---                        |
| 1½"  | 4               | <i>T150</i>         | <i>TR150</i>               |
| 2"   | 4               | <i>T200</i>         | <i>TR200</i>               |
| 2½"  | 4               | <i>T250</i>         | ---                        |
| 3"   | 4               | <i>T300</i>         | <i>TR300</i>               |
| 4"   | 8               | <i>T400</i>         | <i>TR400</i>               |
| 5"   | 8               | <i>T500</i>         | ---                        |
| 6"   | 8               | <i>T600</i>         | <i>TR600</i>               |
| 8"   | 8               | <i>T800</i>         | ---                        |
| 10"  | 12              | <i>T1000</i>        | ---                        |
| 12"  | 12              | <i>T1200</i>        | ---                        |



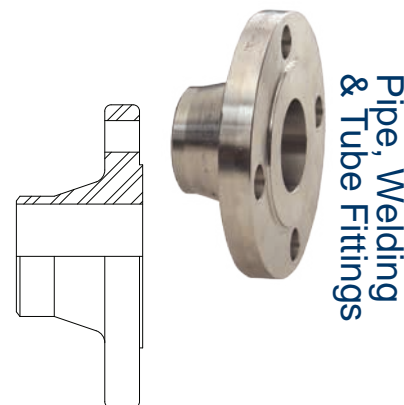
- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## 150 Lb. Weld Neck ASA Forged Flanges

### Feature:

- raised face

| Size | Number of Bolts | Carbon Steel<br>Part # |
|------|-----------------|------------------------|
| 1"   | 4               | <b>WN100</b>           |
| 1¼"  | 4               | <b>WN125</b>           |
| 1½"  | 4               | <b>WN150</b>           |
| 2"   | 4               | <b>WN200</b>           |
| 3"   | 4               | <b>WN300</b>           |
| 4"   | 8               | <b>WN400</b>           |
| 5"   | 8               | <b>WN500</b>           |
| 6"   | 8               | <b>WN600</b>           |
| 8"   | 8               | <b>WN800</b>           |
| 10"  | 12              | <b>WN1000</b>          |



Pipe, Welding  
& Tube Fittings

### Flange Gaskets

### Features:

- standard drop-ring type all 1/16" thick
- reference page 903 for joint sealant gasket material
- for flange dimensional information and diagrams please reference dixonvalve.com

| Size | Neoprene<br>Part # | Klingsil® C-4401<br>Part # |
|------|--------------------|----------------------------|
| 1"   | <b>NG10</b>        | <b>AG10</b>                |
| 1¼"  | <b>NG15</b>        | <b>AG15</b>                |
| 1½"  | <b>NG20</b>        | <b>AG20</b>                |
| 2"   | <b>NG25</b>        | <b>AG25</b>                |
| 2½"  | <b>NG30</b>        | <b>AG30</b>                |
| 3"   | <b>NG35</b>        | <b>AG35</b>                |
| 4"   | <b>NG40</b>        | <b>AG40</b>                |
| 5"   | <b>NG50</b>        | ---                        |
| 6"   | <b>NG60</b>        | <b>AG60</b>                |
| 8"   | <b>NG80</b>        | <b>AG80</b>                |



carbon steel



Klingsil® C-4401

## ANSI Flat Face Flange x Male NST (NH)

### Features:

- flange - black powder coated carbon steel
- male adapter - black anodized aluminum

| Size        | PSI        | Carbon Steel / Aluminum<br>Part # |
|-------------|------------|-----------------------------------|
| 6" NST (NH) | <b>175</b> | <b>T600-60F</b>                   |



## King™ Turned Back Weld-To-Metal Hose Nipples

### Features:

- MSS Length
- phono-finish face (type CS), except 10" and 12" have smooth face (type C)
- for use with Slip-On and Lap Joint flanges shown on previous page

| Size | Length | Schedule 40<br>Plated Carbon Steel<br>Part # | Schedule 40<br>316 Stainless Steel<br>Part # |
|------|--------|--|--|
| 1"   | 2"     | <b>NW10</b>                                  | <b>RNW10-40</b>                              |
| 1¼"  | 2"     | <b>NW15</b>                                  | <b>RNW15-40</b>                              |
| 1½"  | 2"     | <b>NW20</b>                                  | <b>RNW20-40</b>                              |
| 2"   | 2½"    | <b>NW25</b>                                  | <b>RNW25-40</b>                              |
| 2½"  | 2½"    | <b>NW30</b>                                  | <b>RNW30-40</b>                              |
| 3"   | 2½"    | <b>NW35</b>                                  | <b>RNW35-40</b>                              |
| 4"   | 3"     | <b>NW40</b>                                  | <b>RNW40-40</b>                              |
| 6"   | 3½"    | <b>NW60</b>                                  | <b>RNW60-40</b>                              |
| 8"   | 4"     | <b>NW80</b>                                  | <b>RNW80-40</b>                              |
| 10"  | 5"     | <b>NW100</b>                                 | <b>RNW100-40</b>                             |
| 12"  | 6"     | <b>NW120</b>                                 | <b>RNW120-40</b>                             |





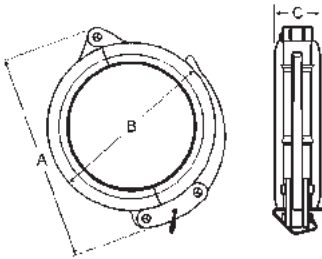
Quick Release Couplings - Series Q

Features:

- designed for applications requiring a quick connection and/or disconnection of a pipe joint, a locking pin through the handle prevents accidental opening of the coupling
- ductile iron body with zinc plating and steel safety clip
- see page 695 for replacement gaskets
- Comparable to:  
Victaulic's #78  
Grinnell's #7003



| Nominal Size | Pipe OD | Maximum Working Pressure<br>PSI at 70°F (21°C) | Maximum End Load<br>(Lbs.) | Ductile Iron               |                              |
|--------------|---------|--|----------------------------|----------------------------|------------------------------|
|              |         |  |                            | Part #<br>with EPDM gasket | Part #<br>with Buna-N gasket |
| 1½"          | 1.900"  | 300  | 850                        | H315                       | H315BU                       |
| 2"           | 2.375"  | 300  | 1329                       | H32                        | H32BU                        |
| 2½"          | 2.875"  | 300  | 2120                       | H325                       | H325BU                       |
| 3"           | 3.500"  | 300  | 2886                       | H33                        | H33BU                        |
| 4"           | 4.500"  | 300  | 4771                       | H34                        | H34BU                        |
| 6"           | 6.625"  | 300  | 10341                      | H36                        | H36BU                        |



Dimensions

| A    | B   | C   |
|------|-----|-----|
| 4¾"  | 3½" | 1"  |
| 5½"  | 3¾" | 1⅞" |
| 5⅞"  | 4¾" | 1⅞" |
| 7¼"  | 5¼" | 1⅞" |
| 8½"  | 6½" | 2"  |
| 10⅝" | 8½" | 2"  |

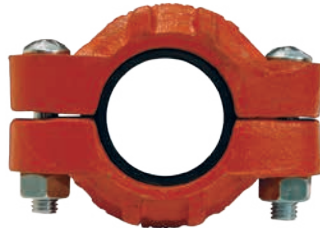
## Standard Couplings - Series S, Style 11

**Applications:**

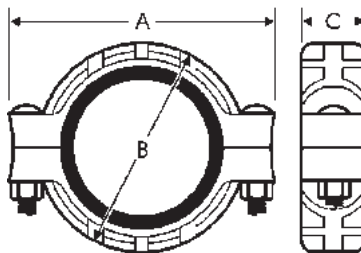
- designed for a wide range of applications including commercial/industrial construction, mining, and process piping

**Features:**

- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- housing design allows for optimum strength without excessive casting weight.
- see pages 695, 701 for replacement gaskets, nuts and bolts
- Comparable to:  
Victaulic's #77  
Grinnell's #7001



| Nominal Size | Pipe OD | Maximum Working Pressure<br>PSI at 70°F (21°C) | Maximum End Load<br>(Lbs.) | qty | Bolts |        | Ductile Iron               |                              |
|--------------|---------|--|----------------------------|-----|-------|--------|----------------------------|------------------------------|
|              |         |  |                            |     | size  | length | Part #<br>with EPDM gasket | Part #<br>with Buna-N gasket |
| 1½"          | 1.900"  | 1000   | 2835                       | 2   | ¾"    | 2"     | <b>C115</b>                | <b>C115BU</b>                |
| 2"           | 2.375"  | 1000   | 4430                       | 2   | ½"    | 2¾"    | <b>C12</b>                 | <b>C12BU</b>                 |
| 2½"          | 2.875"  | 1000   | 6492                       | 2   | ½"    | 2¾"    | <b>C125</b>                | <b>C125BU</b>                |
| 3"           | 3.500"  | 1000   | 9621                       | 2   | ½"    | 3"     | <b>C13</b>                 | <b>C13BU</b>                 |
| 4"           | 4.500"  | 1000   | 15904                      | 2   | ⅝"    | 3¼"    | <b>C14</b>                 | <b>C14BU</b>                 |
| 6"           | 6.625"  | 1000   | 34472                      | 2   | ¾"    | 4¼"    | <b>C16</b>                 | <b>C16BU</b>                 |
| 8"           | 8.625"  | 800  | 46741                      | 2   | ⅞"    | 5"     | <b>C18</b>                 | <b>C18BU</b>                 |
| 10"          | 10.750" | 800  | 72610                      | 2   | ⅞"    | 5"     | <b>C20</b>                 | <b>C20BU</b>                 |
| 12"          | 12.750" | 800  | 102141                     | 2   | ⅞"    | 5"     | <b>C24</b>                 | <b>C24BU</b>                 |



Dimensions

| A        | B        | C        |
|----------|----------|----------|
| 4-5/8"   | 3"       | 1-7/8"   |
| 5-15/64" | 3-45/64" | 1-27/32" |
| 5-5/8"   | 4-1/4"   | 1-27/32" |
| 6-21/32" | 5"       | 1-27/32" |
| 8-17/64" | 6-3/8"   | 2-3/64"  |
| 11-7/32" | 8-57/64" | 2-3/64"  |
| 14-1/64" | 11-3/8"  | 2-23/64" |
| 16-5/8"  | 13-1/2"  | 2-5/8"   |
| 18-5/8"  | 15-1/2"  | 2-5/8"   |



## Lightweight Flexible Couplings - Series L, Style 10

Pipe, Welding  
& Tube Fittings

### Applications:

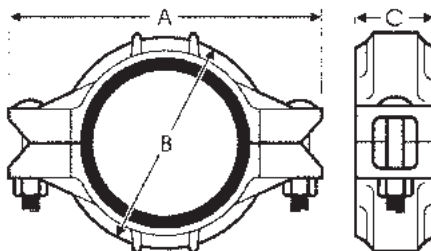
- designed for applications requiring moderate internal pressure or where weight is a factor such as general purpose, mining, irrigation, and compressed air where a deflection of 5% or less is required

### Features:

- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- see pages 695, 701 for replacement gaskets, nuts and bolts
- Comparable to:  
Victaulic's #75  
Grinnell's #7000



| Nominal Size | Pipe OD | Maximum Working Pressure<br>PSI at 70°F (21°C) | Maximum End Load<br>(Lbs.) | Bolts |      |        | Ductile Iron               |                              |
|--------------|---------|--|----------------------------|-------|------|--------|----------------------------|------------------------------|
|              |         |  |                            | qty   | size | length | Part #<br>with EPDM gasket | Part #<br>with Buna-N gasket |
| 1½"          | 1.900"  | 500  | 1418                       | 2     | ¾"   | 2¼"    | <b>L215</b>                | <b>L215BU</b>                |
| 2"           | 2.375"  | 500  | 2215                       | 2     | ¾"   | 2"     | <b>L02</b>                 | <b>L02BU</b>                 |
| 2½"          | 2.875"  | 300  | 3246                       | 2     | ¾"   | 2"     | <b>L025</b>                | <b>L025BU</b>                |
| 3"           | 3.500"  | 300  | 4811                       | 2     | ½"   | 2¾"    | <b>L03</b>                 | <b>L03BU</b>                 |
| 4"           | 4.500"  | 300  | 6362                       | 2     | ½"   | 2¾"    | <b>L04</b>                 | <b>L04BU</b>                 |
| 5"           | 5.563"  | 300  | 9722                       | 2     | ⅝"   | 3¼"    | <b>L05</b>                 | <b>L05BU</b>                 |
| 6"           | 6.625"  | 300  | 13789                      | 2     | ⅝"   | 3¼"    | <b>L06</b>                 | <b>L06BU</b>                 |
| 8"           | 8.625"  | 300  | 20449                      | 2     | ¾"   | 4¼"    | <b>L08</b>                 | <b>L08BU</b>                 |
| 10"          | 10.750" | 350  | 29815                      | 2     | ¾"   | 4¼"    | <b>L010</b>                | <b>L010BU</b>                |
| 12"          | 12.750" | 350  | 40581                      | 2     | ⅞"   | 5"     | <b>L012</b>                | <b>L012BU</b>                |



Dimensions

| A         | B         | C        |
|-----------|-----------|----------|
| 4-1/2"    | 2-29/32"  | 1-25/32" |
| 4-7/8"    | 3-25/64"  | 1-27/32" |
| 5-15/32"  | 3-45/64"  | 1-27/32" |
| 6-27/64"  | 4-39/64"  | 1-27/32" |
| 7-33/64"  | 5-7/8"    | 2 -1/64" |
| 9-17/32"  | 7-3/32"   | 2 -1/64" |
| 10-7/16"  | 8-7/64"   | 2-3/64"  |
| 13-15/32" | 10-5/32"  | 2-13/32" |
| 15-3/4"   | 12-39/64" | 2-9/16"  |
| 18-23/64" | 15-7/16"  | 2-9/16"  |

Lite® Couplings - Stainless Steel



Pipe, Welding  
& Tube Fittings

Applications:

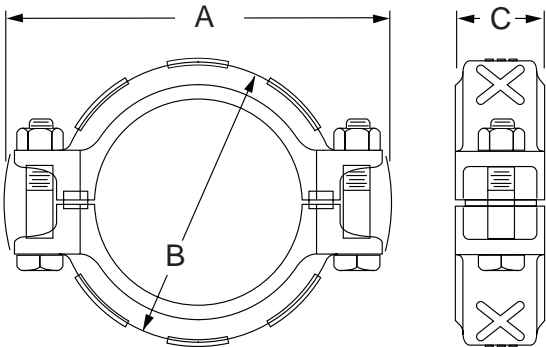
- designed for use on rigid, locked-in pipe connections

Features:

- 316 cast stainless steel body, nuts and bolts
- certified to ANSI/NSF 61
- ideal for corrosive environments
- use of suitable anti-galling thread compound is recommended
- Comparable to:  
Grinnell's #7400 SS



| Nominal<br>Size | Pipe<br>OD | Maximum<br>Working Pressure<br>(PSI) | Maximum<br>End Load<br>(Lbs.) | Bolts |      |        | 316 Stainless Steel<br>Part #<br>with Fluoro-elastomer gasket |
|-----------------|------------|--------------------------------------|-------------------------------|-------|------|--------|---|
|                 |            |                                      |                               | qty   | size | length |   |
| 2"              | 2.375"     | 300                                  | 1329                          | 2     | 3/8" | 2 1/4" | <b>RL02V</b>  |
| 3"              | 3.500"     | 300                                  | 2886                          | 2     | 1/2" | 2 3/4" | <b>RL03V</b>  |
| 4"              | 4.500"     | 300                                  | 4771                          | 2     | 1/2" | 2 3/4" | <b>RL04V</b>  |



Dimensions

| A      | B      | C      |
|--------|--------|--------|
| 5 3/8" | 3 5/8" | 1 3/4" |
| 6 5/8" | 4 5/8" | 1 3/4" |
| 7 3/4" | 6"     | 1 7/8" |



## Rigid Couplings - Series R, Style 5

**Application:**

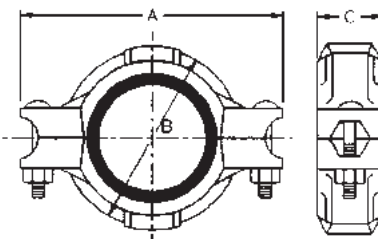
- ideal for fire protection, plumbing, low pressure air and drainage

**Features:**

- lightweight, low pressure
- galvanized ductile iron body
- small gripping teeth hold the housing into the groove allowing a straight run of pipe and preventing any flex at the joint
- Underwriters Listed and Factory Mutual approved
- see pages 695, 701 for replacement gaskets, nuts and bolts




| Nominal Size | Pipe OD | Maximum Working Pressure<br>PSI at 70°F (21°C) | Maximum End Load<br>(Lbs.) | Bolts |      |        | Ductile Iron               |                              |
|--------------|---------|--|----------------------------|-------|------|--------|----------------------------|------------------------------|
|              |         |  |                            | qty   | size | length | Part #<br>with EPDM gasket | Part #<br>with Buna-N gasket |
| 2"           | 2.375"  | 175  | 4425                       | 2     | 3/8" | 2"     | <b>R72</b>                 | <b>R72BU</b>                 |
| 2½"          | 2.875"  | 175  | 6490                       | 2     | 3/8" | 2"     | <b>R725</b>                | <b>R725BU</b>                |
| 3"           | 3.500"  | 175  | 9620                       | 2     | ½"   | 2¾"    | <b>R73</b>                 | <b>R73BU</b>                 |
| 4"           | 4.500"  | 175  | 12720                      | 2     | ½"   | 2¾"    | <b>R74</b>                 | <b>R74BU</b>                 |
| 6"           | 6.625"  | 175  | 27570                      | 2     | 5/8" | 3¼"    | <b>R76</b>                 | <b>R76BU</b>                 |
| 8"           | 8.625"  | 175  | 35050                      | 2     | ¾"   | 4¼"    | <b>R78</b>                 | <b>R78BU</b>                 |

**Dimensions**

| A         | B        | C        |
|-----------|----------|----------|
| 4-7/8"    | 3-17/32" | 1-27/32" |
| 5-5/8"    | 3-45/64" | 1-3/4"   |
| 6-3/8"    | 4-41/64" | 1-27/32" |
| 7-45/64"  | 5-15/16" | 2"       |
| 10-25/32" | 8-7/64"  | 2-3/64"  |
| 13-25/32" | 10"      | 2-21/64" |

## Grooved Bolted Clamps

## Features:

- 2" pressure rating: **400 PSI**
- 3" pressure rating: **170 PSI**
- 4" pressure rating: **120 PSI**
- bolt torque: 20 ft. lbs.
- precision casting and machined dimensions provide an exact fit and great appearance
- use of lock nuts prevents clamps from loosening in high vibration applications
- leak-tight connection
- are intended for tank truck applications only 
- Unlike steel groove clamps that secure pipe ends with high clamp force against the tubing walls, the Dixon® bolted clamp takes the full bolt force and locks in the groove of the tube preventing distortion of the tube diameter.
- FKM-B rated for 100% biodiesel and Ethanol
- Buna-N rated for petroleum service, Ethanol to E100 and biodiesel to B20
- Baylast™ rated for petroleum service, Ethanol to E100 and biodiesel to B100
- white buna-N for use in dry bulk food applications
- temperature ratings for FKM-B is **20°F to 300°F (-7°C to 149°C)**
- temperature ratings for Baylast is **-20°F to 180°F (-29°C to 82°C)**

| Size | Gasket Material | Aluminum Part # |
|------|-----------------|-----------------|
| 2"   | FKM-B           | DBV-VB200       |
| 3"   | FKM-B           | DBV-VB300       |
| 4"   | FKM-B           | DBV-VB400       |
| 2"   | buna-N          | DBV-BN200       |
| 3"   | buna-N          | DBV-BN300       |
| 4"   | buna-N          | DBV-BN400       |
| 2"   | Baylast™        | DBV-BL200       |
| 3"   | Baylast™        | DBV-BL300       |
| 4"   | Baylast™        | DBV-BL400       |
| 4"   | white buna-N    | DBV-WB400       |



clamp with black buna gasket  
Note: Supplied clamp gasket must be installed prior to use, ships separately.

## Replacement Gaskets

| Size | Material     | Part # |
|------|--------------|--------|
| 2"   | FKM-B        | G200VB |
| 3"   | FKM-B        | G300VB |
| 4"   | FKM-B        | G400VB |
| 3"   | buna-N       | G300T  |
| 4"   | buna-N       | G400T  |
| 2"   | Baylast™     | G200BL |
| 3"   | Baylast™     | G300BL |
| 4"   | Baylast™     | G400BL |
| 4"   | white buna-N | G400N  |



## Painted Iron Clamps with Baylast™ Gaskets

## Features:

- painted red
- Baylast™ seal is rated for biodiesel, Ethanol, diesel, gas and ULSD

| Size | Maximum PSI | Iron Part # |
|------|-------------|-------------|
| 2"   | <b>500</b>  | L02BL       |
| 3"   | <b>300</b>  | L03BL       |
| 4"   | <b>300</b>  | L04BL       |



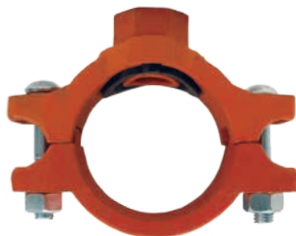




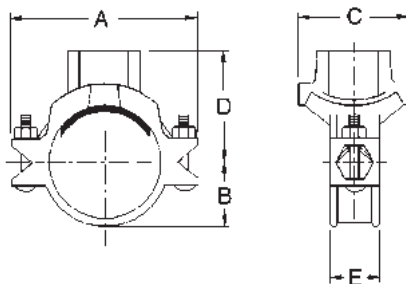
## Mechanical Tees - Series T

**Features:**

- Provides a fast easy way to install a threaded connection along a length of pipe. After drilling or cutting a hole in the pipe at the location of the branch connection, simply attach the clamps around the pipe for a leak-free threaded outlet connection. See chart below for drilling hole specifications
- ductile iron body with rust inhibiting paint
- supplied with EPDM gasket
- Underwriters Listed and Factory Mutual approved
- maximum operating pressure: **300 PSI at 70°F (21°C)**
- see pages 695, 701 for replacement gaskets, nuts and bolts
- Comparable to:  
Victaulic's #920  
Grinnell's #7045



| Nominal Size | Branch Size | Hole Saw Diameter | Maximum End Load (Lbs.) | qty | Bolts size | length | Ductile Iron Part # |
|--------------|-------------|-------------------|-------------------------|-----|------------|--------|---------------------|
| 2"           | 1"          | 1½"               | 1⅝"                     | 2   | ⅜"         | 2"     | <b>MT2010</b>       |
|              | 1¼"         | 1¾"               | 1⅞"                     | 2   | ⅜"         | 2"     | <b>MT20125</b>      |
|              | 1½"         | 1¾"               | 1⅞"                     | 2   | ⅜"         | 2"     | <b>MT20150</b>      |
| 2½"          | 1¼"         | 2"                | 2⅛"                     | 2   | ½"         | 2⅝"    | <b>MT250125</b>     |
| 3"           | 1"          | 1½"               | 1⅝"                     | 2   | ½"         | 2¾"    | <b>MT3010</b>       |
|              | 1½"         | 2"                | 2⅞"                     | 2   | ½"         | 2¾"    | <b>MT30150</b>      |
| 4"           | 1"          | 1½"               | 1⅝"                     | 2   | ½"         | 2¾"    | <b>MT4010</b>       |
|              | 1¼"         | 2"                | 2⅞"                     | 2   | ½"         | 2¾"    | <b>MT40125</b>      |
|              | 1½"         | 2"                | 2⅞"                     | 2   | ½"         | 2¾"    | <b>MT40150</b>      |
|              | 2"          | 2½"               | 2⅝"                     | 2   | ½"         | 2¾"    | <b>MT4020</b>       |
|              | 2½"         | 2¾"               | 2⅞"                     | 2   | ½"         | 2¾"    | <b>MT40250</b>      |
|              | 3"          | 3½"               | 3⅝"                     | 2   | ½"         | 2¾"    | <b>MT4030</b>       |
| 6"           | 1¼"         | 2½"               | 2⅝"                     | 2   | ⅝"         | 3¼"    | <b>MT60125</b>      |
|              | 1½"         | 2½"               | 2⅝"                     | 2   | ⅝"         | 3¼"    | <b>MT60150</b>      |
|              | 2"          | 2½"               | 2⅝"                     | 2   | ⅝"         | 3¼"    | <b>MT6020</b>       |
|              | 3"          | 3½"               | 3⅝"                     | 2   | ⅝"         | 3¼"    | <b>MT6030</b>       |

**Dimensions**

| A        | B        | C        | D        | E   |
|----------|----------|----------|----------|-----|
| 4½"      | 1⅝"      | 2¾"      | 2¼"      | 1⅞" |
| 4½"      | 1⅝"      | 2¾"      | 2½"      | 1⅞" |
| 4½"      | 1⅝"      | 2¾"      | 2½"      | 1⅞" |
| 5-5/32"  | 1-11/16" | 3"       | 2-31/32" | 2"  |
| 5-13/16" | 1-11/16" | 3-11/32" | 3"       | 2"  |
| 6-11/32" | 2-1/8"   | 3-3/32"  | 3-1/16"  | 2"  |
| 6-11/32" | 2-1/8"   | 3-3/4"   | 3-3/8"   | 2"  |
| 7-5/16"  | 2-9/16"  | 3-3/32"  | 3-1/2"   | 2"  |
| 7-5/16"  | 2-9/16"  | 3-3/4"   | 3-7/8"   | 2"  |
| 7-5/16"  | 2-9/16"  | 3-3/4"   | 3-7/8"   | 2"  |
| 7-5/16"  | 2-9/16"  | 4-1/8"   | 4"       | 2"  |
| 7-5/16"  | 2-9/16"  | 4-3/8"   | 4"       | 2"  |
| 7-5/16"  | 2-9/16"  | 5-1/4"   | 4-1/4"   | 2"  |
| 10-5/32" | 3-11/16" | 4-1/8"   | 4-7/8"   | 2¼" |
| 10-5/32" | 3-11/16" | 4-1/8"   | 4-7/8"   | 2¼" |
| 10-5/32" | 3-11/16" | 4-1/8"   | 5"       | 2¼" |
| 10-5/32" | 3-11/16" | 5-1/4"   | 5-3/8"   | 2¼" |

## Flange Adapters - Series FA

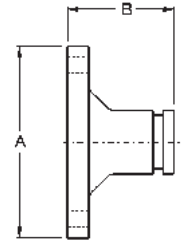
## Application:

- used to connect an ANSI Class 125 and 150 flange to a grooved pipe using a grooved clamp

## Features:

- Provides a rigid one piece connection that can be disconnected by removing the clamp assembly. To assemble to another flange, position bolt heads on the adapter (grooved) side.
- ductile iron body with rust inhibiting paint

| Nominal Size | Pipe OD | Maximum Working Pressure PSI at 70°F (21°C) | Flange Dimensions |         | Bolts |      | Ductile Iron Part # |
|--------------|---------|---|-------------------|---------|-------|------|---------------------|
|              |         |   | A                 | B       | qty   | size |                     |
| 2"           | 2.375"  | 300   | 6"                | 2-3/8"  | 4     | 5/8" | FA20                |
| 3"           | 3.500"  | 300   | 7 1/4"            | 2-3/8"  | 4     | 5/8" | FA30                |
| 4"           | 4.500"  | 300   | 8 1/2"            | 2-3/8"  | 8     | 5/8" | FA40                |
| 6"           | 6.625"  | 300   | 11"               | 2-9/16" | 8     | 3/4" | FA60                |
| 8"           | 8.625"  | 300   | 13 1/4"           | 3"      | 8     | 3/4" | FA80                |

Pipe, Welding  
& Tube Fittings

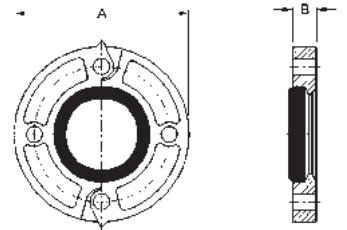
## ANSI Split Flanges - Series SF



## Features:

- provides a direct connection between a grooved adapter and an ANSI Class 125 and 150 raised face flanged component
  - can be used with flat face flanges by removing the raised projections on the outside face of the flange.
  - ductile iron body with rust inhibiting paint
  - Underwriters Listed and Factory Mutual approved
  - Buna gaskets are available upon request
- Comparable to:  
Victaulic's #741  
Grinnell's #7012

| Nom. Size | Pipe OD | Max. Work. Press. PSI at 70°F (21°C) | Flange Dims. |        | Bolts |      | Ductile Iron with Gasket Part # <sup>1</sup> | Replacement EPDM Gaskets Part # <sup>2</sup> |
|-----------|---------|--------------------------------------|--------------|--------|-------|------|--|--|
|           |         |                                      | A            | B      | qty   | size |  |  |
| 2"        | 2.375"  | 300                                  | 6"           | 13/16" | 4     | 5/8" | ANSI20                                       | FLG200E                                      |
| 2 1/2"    | 2.875"  | 300                                  | 7"           | 13/16" | 4     | 5/8" | ANSI25                                       | FLG250E                                      |
| 3"        | 3.500"  | 300                                  | 7 1/2"       | 13/16" | 4     | 5/8" | ANSI30                                       | FLG300E                                      |
| 4"        | 4.500"  | 300                                  | 9"           | 15/16" | 8     | 5/8" | ANSI40                                       | FLG400E                                      |
| 6"        | 6.625"  | 300                                  | 11"          | 1"     | 8     | 3/4" | ANSI60                                       | FLG600E                                      |
| 8"        | 8.625"  | 300                                  | 13 1/2"      | 1-1/8" | 8     | 3/4" | ANSI80                                       | FLG800E                                      |

<sup>1</sup> with EPDM gasket<sup>2</sup> replacement gasket

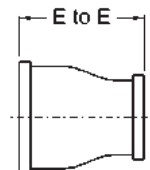
## Reducing Adapters - Series RA



## Features:

- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:  
Victaulic's #50, Grinnell's #7072

| Nominal Size | Nominal Size | Dimensions E to E | Ductile Iron Part # |
|--------------|--------------|-------------------|---------------------|
| 2"           | 1 1/2"       | 2.5"              | RAGG20150           |
| 2 1/2"       | 2"           | 2.5"              | RAGG25020           |
| 3"           | 2"           | 2.5"              | RAGG3020            |
|              | 2 1/2"       | 2.5"              | RAGG30250           |
| 4"           | 2"           | 3.0"              | RAGG4020            |
|              | 2 1/2"       | 3.0"              | RAGG40250           |
|              | 3"           | 3.0"              | RAGG4030            |
| 5"           | 4"           | 3.5"              | RAGG5040            |
|              | 2"           | 4.0"              | RAGG6020            |
| 6"           | 2 1/2"       | 4.0"              | RAGG60250           |
|              | 3"           | 4.0"              | RAGG6030            |
|              | 4"           | 4.0"              | RAGG6040            |



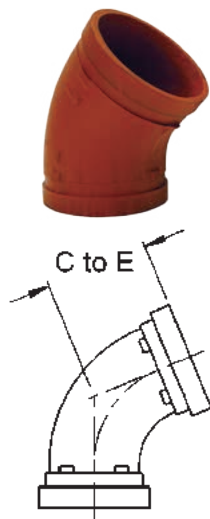


## Grooved End Fittings - Series 45

## Series 45

## Features:

- designed to provide minimum pressure drop and uniform strength
- maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:  
Victaulic's #110  
Grinnell's #7051



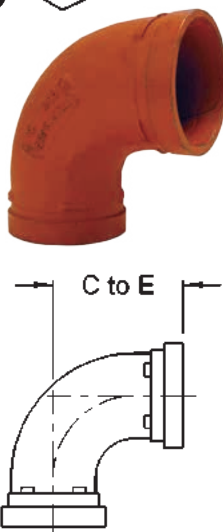
| Nominal Size | Dimensions<br>C to E | Ductile Iron<br>Part # |
|--------------|----------------------|------------------------|
| 2"           | 2"                   | <b>L2045</b>           |
| 2½"          | 2¼"                  | <b>L2545</b>           |
| 3"           | 2½"                  | <b>L3045</b>           |
| 4"           | 3"                   | <b>L4045</b>           |
| 5"           | 3¼"                  | <b>L5145</b>           |
| 6"           | 3½"                  | <b>L6045</b>           |
| 8"           | 4¼"                  | <b>L8045</b>           |



## Series 90

## Features:

- designed to provide minimum pressure drop and uniform strength
- maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:  
Victaulic's #10  
Grinnell's #7050



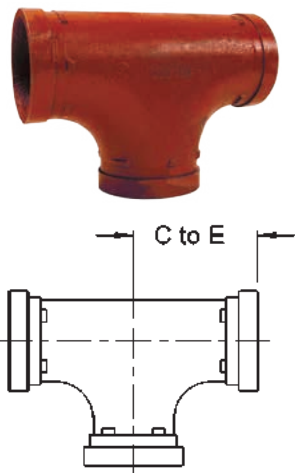
| Nominal Size | Dimensions<br>C to E | Ductile Iron<br>Part # |
|--------------|----------------------|------------------------|
| 2"           | 3¼"                  | <b>L502</b>            |
| 2½"          | 3¾"                  | <b>L5025</b>           |
| 3"           | 4¼"                  | <b>L503</b>            |
| 4"           | 5"                   | <b>L504</b>            |
| 6"           | 6½"                  | <b>L506</b>            |
| 8"           | 7¾"                  | <b>L508</b>            |



## Series T

## Features:

- designed to provide minimum pressure drop and uniform strength
- maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:  
Victaulic's #20  
Grinnell's #7060



| Nominal Size | Dimensions<br>C to E | Ductile Iron<br>Part # |
|--------------|----------------------|------------------------|
| 2"           | 3¼"                  | <b>T602</b>            |
| 2½"          | 3¾"                  | <b>T6025</b>           |
| 3"           | 4¼"                  | <b>T603</b>            |
| 4"           | 5"                   | <b>T604</b>            |
| 6"           | 6½"                  | <b>T606</b>            |
| 8"           | 7¾"                  | <b>T608</b>            |

## ANSI Caps with Tapped Outlet - Series EC

## Feature:

- painted with rust inhibiting paint

| Nominal Size | Outlet | Dimensions<br>E to E | Ductile Iron<br>Part # |
|--------------|--------|----------------------|------------------------|
| 2"           | 1"     | 7/8"                 | <b>EC201</b>           |
| 2½"          | 1"     | 7/8"                 | <b>EC251</b>           |
| 3"           | 1"     | 7/8"                 | <b>EC301</b>           |
| 4"           | 1"     | 1"                   | <b>EC401</b>           |
|              | 2"     | 1"                   | <b>EC402</b>           |
| 6"           | 1"     | 1"                   | <b>EC601</b>           |
|              | 2"     | 1"                   | <b>EC602</b>           |
| 8"           | 2"     | 1-3/16"              | <b>EC802</b>           |

Pipe, Welding  
& Tube Fittings

## Blank Caps - Series BE



## Features:

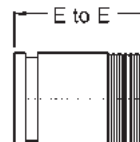
- painted with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:  
Victaulic's #60  
Grinnell's #7074

| Nominal Size | Dimensions<br>E to E | Ductile Iron<br>Part # |
|--------------|----------------------|------------------------|
| 2"           | 7/8"                 | <b>BEC20</b>           |
| 2½"          | 7/8"                 | <b>BEC25</b>           |
| 3"           | 7/8"                 | <b>BEC30</b>           |
| 4"           | 1"                   | <b>BEC40</b>           |
| 6"           | 1"                   | <b>BEC60</b>           |
| 8"           | 1-3/16"              | <b>BEC80</b>           |



## Long Pipe Style Nipples - Series AN

| Groove x NPT | Dimensions<br>E to E | Carbon Steel<br>Part # |
|--------------|----------------------|------------------------|
| 2"           | 4"                   | <b>A712</b>            |
| 2½"          | 4"                   | <b>A7125</b>           |
| 3"           | 4"                   | <b>A713</b>            |
| 4"           | 6"                   | <b>A714</b>            |
| 5"           | 6"                   | <b>A715</b>            |
| 6"           | 6"                   | <b>A716</b>            |



## Grooved End x Weld Nipples

| Nominal Size | Aluminum<br>Part # | Carbon Steel<br>Part # | 316 Stainless Steel<br>Part # |
|--------------|--------------------|------------------------|-------------------------------|
| 2"           | <b>AVN2000-200</b> | <b>VN2000-200</b>      | <b>VNR2000-200</b>            |
| 2½"          | <b>AVN2500-200</b> | <b>VN2500-200</b>      | <b>VNR2500-200</b>            |
| 3"           | <b>AVN3000-200</b> | <b>VN3000-200</b>      | <b>VNR3000-200</b>            |
| 4"           | <b>AVN4000-200</b> | <b>VN4000-200</b>      | <b>VNR4000-200</b>            |



- For additional information on pipe dimensions please reference [dixonvalve.com](http://dixonvalve.com).

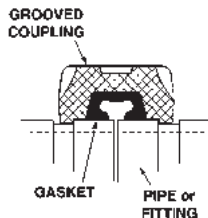
## Grooved End Butterfly Valves

## Features:

- for water and air applications
- working pressure: **300 PSI**
- maximum temperature: **210°F (99°C)**
- material: **body:** ductile iron, epoxy coated; **disc:** ductile iron, EPDM encapsulated; **stem:** stainless steel; **notch plate:** zinc plated steel; **seals:** EPDM

| Size | Ductile Iron<br>Part # |
|------|------------------------|
| 2"   | <b>GIBFV200</b>        |
| 2½"  | <b>GIBFV250</b>        |
| 3"   | <b>GIBFV300</b>        |
| 4"   | <b>GIBFV400</b>        |
| 6"   | <b>GIBFV600</b>        |
| 8"   | <b>GIBFV800</b>        |





## Grooved Fitting Gaskets

- check gasket color code to be certain it is recommended for the service intended
- use lubricant on gasket (reference next page)
- for services not listed contact Dixon® for recommendations

### FKM Gaskets

#### Features:


- temperature range: **-13°F to 350°F (-11°C to 177°C)**
- color code: black with blue stripe
- resistant to oxidizing acids, petroleum oils, hydraulic fluids, halogenated hydrocarbons and lubricants



| Size | FKM<br>Part # |
|------|---------------|
| 2"   | <b>G200V</b>  |
| 3"   | <b>G300V</b>  |
| 4"   | <b>G400V</b>  |
| 6"   | <b>G600V</b>  |
| 8"   | <b>G800V</b>  |
| 10"  | <b>G1000V</b> |
| 12"  | <b>G1200V</b> |

### EPDM Gaskets

#### Features:


- temperature range: **-22°F to 230°F (-30°C to 110°C)**
- color code: black with green stripe
- for water, dilute acids, alkalies, salts, and many chemical services not involving hydrocarbons, oils, or gases
- excellent oxidation resistance
- *not for use with hydrocarbons* 



| Size | EPDM<br>Part # |
|------|----------------|
| 1½"  | <b>G150E</b>   |
| 2"   | <b>G200E</b>   |
| 2½"  | <b>G250E</b>   |
| 3"   | <b>G300E</b>   |
| 4"   | <b>G400E</b>   |
| 5"   | <b>G500E</b>   |
| 6"   | <b>G600E</b>   |
| 8"   | <b>G800E</b>   |
| 10"  | <b>G1000E</b>  |
| 12"  | <b>G1200E</b>  |

### Buna Gaskets

#### Features:

- temperature range: **-24°F to 176°F (-31°C to 80°F)**
- for petroleum products, vegetable oils, mineral oils, and air contaminated with petroleum oils
- *not for use in hot water services* 



| Size | Black Buna with orange stripe<br>Part # | White Buna<br>Part # |
|------|---|----------------------|
| 1½"  | <b>G150T</b>                            | ---                  |
| 2"   | <b>G200T</b>                            | ---                  |
| 2½"  | <b>G250T</b>                            | ---                  |
| 3"   | <b>G300T</b>                            | ---                  |
| 4"   | <b>G400T</b>                            | <b>G400N</b>         |
| 5"   | <b>G500T</b>                            | ---                  |
| 6"   | <b>G600T</b>                            | ---                  |
| 8"   | <b>G800T</b>                            | ---                  |
| 10"  | <b>G1000T</b>                           | ---                  |
| 12"  | <b>G1200T</b>                           | ---                  |

## Grooved Fitting Accessories

## Nuts and Bolts

## Features:

- the nuts are a heavy hexagon design
- specifically designed for use with the couplings on pages 691-696

## Specification:

- conforms to ASTM A183

| Bolt Thread | Bolt Length | Torque Ft. Lbs. | Electroplated Carbon Steel<br>Part # |
|-------------|-------------|-----------------|--------------------------------------|
| 3/8"        | 2"          | 30              | <b>BLT38200</b>                      |
| 3/8"        | 2¼"         | 30              | <b>BLT38225</b>                      |
| 1/2"        | 2½"         | 50              | <b>BLT50212</b>                      |
| 1/2"        | 2¾"         | 50              | <b>BLT50234</b>                      |
| 1/2"        | 3"          | 50              | <b>BLT50300</b>                      |
| 5/8"        | 3¼"         | 75              | <b>BLT58314</b>                      |
| 3/4"        | 4¼"         | 75              | <b>BLT75414</b>                      |
| 7/8"        | 5"          | 200             | <b>BLT78500</b>                      |

Pipe, Welding  
& Tube Fittings

## Groove Lube

## Features:

- water soluble
- non-toxic
- non-corrosive
- non-flammable
- *should not be used with HDPE pipe*



## Specification:

- NSF approved for use with potable water

| Size  | Container | Part #            |
|-------|-----------|-------------------|
| 1 qt. | Tub       | <b>GROOVLUB32</b> |





## High Density Polyethylene (HDPE) Couplings

Pipe, Welding  
& Tube Fittings**Applications:**

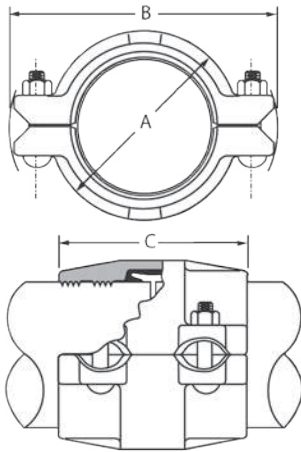
- designed for mechanically joining high density polyethylene pipe and fittings

**Features:**

- ductile iron body with rust inhibiting paint
- uses four bolts to drive the sharply machined housing teeth into the outside of the pipe

- Comparable to:  
Grinnell's #9095

| Nominal Size | Pipe OD | Bolts |      |        | Ductile Iron               |                              |
|--------------|---------|-------|------|--------|----------------------------|------------------------------|
|              |         | qty   | size | length | Part #<br>with EPDM gasket | Part #<br>with Buna-N gasket |
| 2"           | 2.375"  | 4     | 1/2" | 2 3/8" | <b>HDPE200</b>             | <b>HDPE200BU</b>             |
| 3"           | 3.500"  | 4     | 1/2" | 3"     | <b>HDPE300</b>             | <b>HDPE300BU</b>             |
| 4"           | 4.500"  | 4     | 1/2" | 3"     | <b>HDPE400</b>             | <b>HDPE400BU</b>             |
| 6"           | 6.625"  | 4     | 5/8" | 3 1/2" | <b>HDPE600</b>             | <b>HDPE600BU</b>             |

**Dimensions**

| A      | B      | C      |
|--------|--------|--------|
| 3 3/8" | 5 1/2" | 4 5/8" |
| 4 5/8" | 6 3/4" | 4 5/8" |
| 5 1/4" | 8"     | 5 3/4" |
| 7 1/2" | 11"    | 5 7/8" |

## Y Line Strainers

## Cast Iron

## Features:

- graphite gasket
- working pressure: **400 PSI WOG, 250 PSI steam**
- plug ported for blowdown service
- no replacement screens available

| Female NPT | Description  | Cast Iron Part # |
|------------|--------------|------------------|
| 1/4"       | 20 x 20 mesh | Y001             |
| 3/8"       |              | Y002             |
| 1/2"       |              | Y003             |
| 3/4"       |              | Y004             |
| 1"         |              | Y005             |
| 1 1/4"     |              | Y006             |
| 1 1/2"     |              | Y007             |
| 2"         |              | Y008             |


 Pipe, Welding  
& Tube Fittings

## Cast Bronze

## Feature:

- working pressure: **400 PSI WOG, 125 PSI steam**

| Female NPT | Description  | Cast Bronze Part # | 304 Stainless Replacement Screens Part # |
|------------|--------------|--------------------|--|
| 1/4"       | 50 x 50 mesh | 59-001             | G3271-00                                 |
| 3/8"       | 50 x 50 mesh | 59-002             | G2457-00                                 |
| 1/2"       | 50 x 50 mesh | 59-003             | G2457-00                                 |
| 3/4"       | 20 x 20 mesh | 59-004             | G3224-00                                 |
| 1"         | 20 x 20 mesh | 59-005             | G3225-00                                 |
| 1 1/4"     | 20 x 20 mesh | 59-006             | G3231-00                                 |
| 1 1/2"     | 20 x 20 mesh | 59-007             | G3229-00                                 |
| 2"         | 20 x 20 mesh | 59-008             | G3230-00                                 |



replacement screen

## Polypropylene

## Features:

- protects and prevents clogging of pipelines, pumps and spray tips
- glass-filled polypropylene body
- easy access for cleaning
- maximum operating pressure: **90 PSI at 70°F (21°C)**

| Female NPT | Description | Polypropylene Part # | 304 Stainless Replacement Screens Part # |
|------------|-------------|----------------------|--|
| 3/4"       | 40 mesh     | PYLS7540             | 64178                                    |
| 1"         | 40 mesh     | PYLS10040            | 61746                                    |
| 1 1/2"     | 40/20 mesh  | PYLS15040            | 61509                                    |
| 2"         | 40/20 mesh  | PYLS20040            | 61509                                    |



replacement screen

## Polypropylene T Line Strainers

## Features:

- white polypropylene allows easy inspection
- maximum operating pressure: **100 PSI at 70°F (21°C)**

| Female NPT | Description | Polypropylene Part # | 304 Stainless Replacement Screens Part # |
|------------|-------------|----------------------|--|
| 3/4"       | 50 mesh     | PTLS7540             | 61405                                    |
| 1"         | 40 mesh     | PTLS10040            | 61405                                    |



## LP Gas Couplings and Adapters

**Specifications:**

- products meet or exceed the requirements of Compressed Gas Association (CGA), the National Fire Protection Association (NFPA), the Canadian Gas Association, American Society of Mechanical Engineers (ASME) and Underwriters Laboratories (UL)

**Male Acme x Male NPT Adapters**

ME217

ME233



ME502-12/8

ME503-16

| Male Acme | Male NPT | Female NPT | Brass Part #                   |
|-----------|----------|------------|--------------------------------|
| 1 3/4"    | 1 1/4"   | --         | <b>ME217</b>                   |
| 2 1/4"    | 1 1/4"   | --         | <b>ME233</b>                   |
| 2 1/4"    | 1 1/2"   | 1"         | <b>ME502-12/8</b> <sup>1</sup> |
| 3 1/4"    | 2"       | --         | <b>ME503-16</b>                |

<sup>1</sup> dual threads - male outside / female inside

**Male Acme x Female NPT Adapters**

| Male Acme | Female NPT | Brass Part #    |
|-----------|------------|-----------------|
| 1 3/4"    | 1"         | <b>ME214</b>    |
| 3 1/4"    | 2"         | <b>ME252-16</b> |

**Male Acme x Male NPT Adapters**

ME217S

ME503S-16

| Male Acme | Male NPT | Steel Part #     |
|-----------|----------|------------------|
| 1 3/4"    | 1 1/4"   | <b>ME217S</b>    |
| 2 1/4"    | 1 1/4"   | <b>ME233S</b>    |
| 3 1/4"    | 2"       | <b>ME503S-16</b> |

**Male Acme x Female NPT Adapter**

| Male Acme | Female NPT | Steel Part #     |
|-----------|------------|------------------|
| 3 1/4"    | 2"         | <b>ME252S-16</b> |

**Female Acme x Male Acme Adapters**

brass

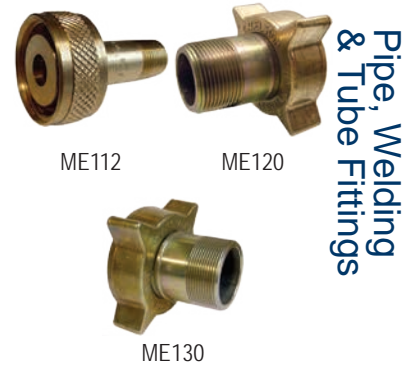
steel

| Female Acme | Male Acme | Material | Part #        |
|-------------|-----------|----------|---------------|
| 3 1/4"      | 1 3/4"    | brass    | <b>ME612</b>  |
| 3 1/4"      | 1 3/4"    | steel    | <b>ME612S</b> |

## LP Gas Couplings and Adapters

## Female Acme x Male NPT Filler Couplings, Brass Nut

| Female Acme | Male NPT | Material                | Part #        |
|-------------|----------|-------------------------|---------------|
| 1 3/4"      | 1"       | brass nut, brass nipple | <b>ME112</b>  |
| 2 1/4"      | 1 1/4"   | brass nut, brass nipple | <b>ME120</b>  |
| 2 1/4"      | 1 1/4"   | brass nut, steel nipple | <b>ME120S</b> |
| 3 1/4"      | 2"       | brass nut, steel nipple | <b>ME130</b>  |



## Female Acme x Male NPT Filler Couplings, Steel Nut

| Female Acme | Male NPT | Steel Part #  |
|-------------|----------|---------------|
| 1 3/4"      | 1"       | <b>ME112S</b> |
| 2 1/4"      | 1 1/4"   | <b>ME121S</b> |
| 3 1/4"      | 2"       | <b>ME130S</b> |



## Acme Gaskets

| Size   | Nitrile Part # |
|--------|----------------|
| 1 3/4" | <b>MEW2</b>    |
| 2 1/4" | <b>MEW5</b>    |
| 3 1/4" | <b>MEW6</b>    |



## Clamp Style Hose Couplings

## Features:

- clamp sections and hose barbs are made of steel and ductile iron
- 32B and 32S sizes offer a female Acme swivel to eliminate the need to add additional weight and bulk to the hose assembly

| Hose Barb | Thread Size        | Material  | Part #            |
|-----------|--------------------|---|-------------------|
| 1"        | 1" male NPT        | steel nipple, 2-piece ductile iron clamp            | <b>ME3162-16</b>  |
| 1 1/4"    | 1 1/4" male NPT    | steel nipple, 2-piece ductile iron clamp            | <b>ME3162-20</b>  |
| 1 1/2"    | 1 1/2" male NPT    | steel nipple, 2-piece ductile iron clamp            | <b>ME3162-24</b>  |
| 2"        | 2" male NPT        | steel nipple, 2-piece ductile iron clamp            | <b>ME3162-32</b>  |
| 2"        | 3 1/4" female Acme | steel nipple, brass nut, 2-piece ductile iron clamp | <b>ME3162-32B</b> |
| 2"        | 3 1/4" female Acme | steel nipple, steel nut, 2-piece ductile iron clamp | <b>ME3162-32S</b> |



## Acme Spanner Wrench

## Feature:

- used on 1 3/4", 2 1/4", 3 1/4" and 4 1/4" fittings

| Aluminum Part # |
|-----------------|
| <b>MEP120B</b>  |



## LP Gas Hose Caps and Plugs

## Metal Caps



ME229



ME441F

| Female Acme Threads | Description                        | Material | Part #           |
|---------------------|------------------------------------|----------|------------------|
| 1 3/4"              | cap with ring and chain            | brass    | <b>ME229-1</b>   |
| 1 3/4"              | cap with ring and chain            | steel    | <b>ME229S-1</b>  |
| 2 1/4"              | cap with knob plug and chain       | brass    | <b>ME431F-1</b>  |
| 2 1/4"              | cap with knob plug, ring and chain | steel    | <b>ME431FS-1</b> |
| 3 1/4"              | cap with knob plug, ring and chain | brass    | <b>ME441F-1</b>  |
| 3 1/4"              | cap with knob plug, ring and chain | steel    | <b>ME441FS-1</b> |

## Plastic Caps



ME109-1



ME109-NH3-1

| Female Acme Threads | Description                                    | Plastic Part #     |
|---------------------|--|--------------------|
| 1 3/4"              | cap with ring and chain, yellow                | <b>ME109-1</b>     |
| 1 3/4"              | cap with chain assembly, for anhydrous service | <b>ME109-NH3-1</b> |

## Plastic Dust Plugs



ME179-1



ME180-1



ME181-1

| Male Acme Threads | Description                                    | Plastic Part # |
|-------------------|--|----------------|
| 1 3/4"            | plug with dust seal and chain assembly, yellow | <b>ME179-1</b> |
| 2 1/4"            | plug with dust seal and chain assembly, yellow | <b>ME180-1</b> |
| 3 1/4"            | plug with dust seal and chain assembly, yellow | <b>ME181-1</b> |

## Instrumentation Fittings

### Applications:

- high pressure
- high temperature
- nitrogen
- helium
- flammable gases
- hydraulic gases
- corrosive media
- pneumatic automation

### Installation Instructions:

1. Cut tubing squarely and clean tube end thoroughly to remove burrs.
2. Insert the tubing into the assembly making sure the tubing seats firm against the shoulder of the body and the nut is finger tight.
3. Tighten the nut with a wrench 1¼ turns, while holding the body with a second wrench.

### Suggested Working Pressures (PSI)

| wall thk. | .028         | .035         | .049         | .065          | .083         | .095         | .109         |
|-----------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|
| ¼"        | <b>4,000</b> | <b>5,100</b> | <b>7,500</b> | <b>10,100</b> | ---          | ---          | ---          |
| ⅜"        | ---          | <b>3,300</b> | <b>4,700</b> | <b>6,600</b>  | ---          | ---          | ---          |
| ½"        | ---          | <b>2,600</b> | <b>3,700</b> | <b>5,000</b>  | <b>6,600</b> | ---          | ---          |
| ⅝"        | ---          | ---          | <b>2,900</b> | <b>3,900</b>  | <b>5,200</b> | <b>6,000</b> | ---          |
| ¾"        | ---          | ---          | <b>2,400</b> | <b>3,200</b>  | <b>4,200</b> | <b>4,900</b> | <b>5,700</b> |

### Features:

- Instrumentation fittings come completely assembled.
- fully interchangeable with Swagelok® and Parker A-Lok®; all fittings are ASTM F 1387 Certified
- double collet (ferrule) swaging action
- two positive seal points
- ASTM 316 stainless steel material construction
- temperature range: **-325°F to 1200°F (-198°C to 648°C)**
- pressure ratings: see chart to the left, ratings listed are for reference only

### Safety Guidelines:

- Never connect, disconnect or remake a fitting with pressure in the system.
- Make sure all fittings are properly installed.
- It is not recommended to go beyond the pressure rating of the tubing. Elongation could occur in the tubing, shrinking the wall thickness and causing potential harm.
- For proper sealing it is recommended that the tubing and fittings be of like material.
- Always use proper thread lubricant and sealants on tapered pipe threads.
- Never bleed a system by loosening a fitting.

### Male Connectors

| Tube OD | Male NPT | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---------|----------|--------------|----------------------------|---------|
| ⅛"      | ⅛"-27    | 200-1-2      | <b>2-DMC-2</b>             | 10      |
|         | ¼"-18    | 200-1-4      | <b>2-DMC-4</b>             | 10      |
| ¼"      | ⅛"-27    | 400-1-2      | <b>4-DMC-2</b>             | 10      |
|         | ¼"-18    | 400-1-4      | <b>4-DMC-4</b>             | 10      |
|         | ⅜"-18    | 400-1-6      | <b>4-DMC-6</b>             | 10      |
|         | ½"-14    | 400-1-8      | <b>4-DMC-8</b>             | 10      |
| ⅜"      | ¼"-18    | 600-1-4      | <b>6-DMC-4</b>             | 10      |
|         | ⅜"-18    | 600-1-6      | <b>6-DMC-6</b>             | 10      |
|         | ½"-14    | 600-1-8      | <b>6-DMC-8</b>             | 10      |
| ½"      | ¼"-18    | 810-1-4      | <b>8-DMC-4</b>             | 10      |
|         | ⅜"-18    | 810-1-6      | <b>8-DMC-6</b>             | 10      |
|         | ½"-14    | 810-1-8      | <b>8-DMC-8</b>             | 10      |
| ⅝"      | ½"-14    | 1010-1-8     | <b>10-DMC-8</b>            | 10      |
| ¾"      | ½"-14    | 1210-1-8     | <b>12-DMC-8</b>            | 10      |
|         | ¾"       | 1210-1-12    | <b>12-DMC-12</b>           | 10      |
|         | 1"       | 1210-1-16    | <b>12-DMC-16</b>           | 10      |
| 1"      | ¾"       | 1610-1-12    | <b>16-DMC-12</b>           | 10      |
|         | 1"       | 1610-1-16    | <b>16-DMC-16</b>           | 10      |



### Female Connectors

| Tube OD | Female NPT | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---------|------------|--------------|----------------------------|---------|
| ⅛"      | ⅛"-27      | 200-7-2      | <b>2-DFC-2</b>             | 10      |
| ¼"      | ⅛"-27      | 400-7-2      | <b>4-DFC-2</b>             | 10      |
|         | ¼"-18      | 400-7-4      | <b>4-DFC-4</b>             | 10      |
| ⅜"      | ¼"-18      | 600-7-4      | <b>6-DFC-4</b>             | 10      |
|         | ½"-14      | 600-7-8      | <b>6-DFC-8</b>             | 10      |
| ½"      | ½"-14      | 810-7-8      | <b>8-DFC-8</b>             | 10      |
| ⅝"      | ½"         | 1010-7-8     | <b>10-DFC-8</b>            | 10      |
| ¾"      | ½"         | 1210-7-8     | <b>12-DFC-8</b>            | 10      |
|         | ¾"         | 1210-7-12    | <b>12-DFC-12</b>           | 10      |
| 1"      | 1"         | 1610-7-16    | <b>16-DFC-16</b>           | 10      |





## Instrumentation Fittings

Pipe, Welding  
& Tube Fittings

## Unions

| Tube OD     | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|-------------|--------------|-------------------------------|------------|
| 1/8" x 1/8" | 200-6        | <b>2-DU</b>                   | 10         |
| 1/4" x 1/8" | 400-6-2      | <b>4-DU-2</b>                 | 10         |
| 1/4" x 1/4" | 400-6        | <b>4-DU</b>                   | 10         |
| 3/8" x 1/4" | 600-6-4      | <b>6-DU-4</b>                 | 10         |
| 3/8" x 3/8" | 600-6        | <b>6-DU</b>                   | 10         |
| 1/2" x 1/2" | 810-6        | <b>8-DU</b>                   | 10         |
| 5/8" x 5/8" | 1010-6       | <b>10-DU</b>                  | 10         |
| 3/4" x 3/4" | 1210-6       | <b>12-DU</b>                  | 10         |
| 1" x 1"     | 1610-6       | <b>16-DU</b>                  | 10         |

## Bulkhead Unions



| Tube OD | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|--------------|-------------------------------|------------|
| 1/4"    | 400-61       | <b>4-DBHU-4</b>               | 10         |
| 3/8"    | 600-61       | <b>6-DBHU-6</b>               | 10         |
| 1/2"    | 810-61       | <b>8-DBHU-8</b>               | 10         |
| 5/8"    | 1010-61      | <b>10-DBHU-10</b>             | 10         |
| 3/4"    | 1210-16      | <b>12-DBHU-12</b>             | 10         |
| 1"      | 1610-16      | <b>16-DBHU-16</b>             | 10         |

## Reducers



| Tube OD     | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|-------------|--------------|-------------------------------|------------|
| 1/4" x 1/8" | 400-R-2      | <b>4-DRATT-2</b>              | 10         |
| 3/8" x 1/4" | 600-R-4      | <b>6-DRATT-4</b>              | 10         |
| 3/8" x 1/2" | 600-R-8      | <b>6-DRATT-8</b>              | 10         |
| 1/2" x 3/4" | 810-R-12     | <b>8-DRATT-12</b>             | 10         |
| 3/4" x 1/2" | 1210-R-8     | <b>12-DRATT-8</b>             | 10         |
| 3/4" x 1"   | 1210-R-16    | <b>12-DRATT-16</b>            | 10         |

## Male Elbows



| Tube OD | Male NPT | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|----------|--------------|-------------------------------|------------|
| 1/4"    | 1/8"-27  | 400-2-2      | <b>4-DME-2</b>                | 10         |
|         | 1/4"-18  | 400-2-4      | <b>4-DME-4</b>                | 10         |
| 3/8"    | 1/4"-18  | 600-2-4      | <b>6-DME-4</b>                | 10         |
|         | 3/8"-18  | 600-2-6      | <b>6-DME-6</b>                | 10         |
| 1/2"    | 1/2"-14  | 810-2-8      | <b>8-DME-8</b>                | 10         |
| 3/4"    | 1/2"-14  | 1210-2-8     | <b>12-DME-8</b>               | 10         |
|         | 3/4"     | 1210-2-12    | <b>12-DME-12</b>              | 10         |
| 1"      | 3/4"     | 1610-2-12    | <b>16-DME-12</b>              | 10         |
|         | 1"       | 1610-2-16    | <b>16-DME-16</b>              | 10         |

## Female Elbows



| Tube OD | Female NPT | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|------------|--------------|-------------------------------|------------|
| 1/4"    | 1/8"-27    | 400-8-2      | <b>4-DFE-2</b>                | 10         |
| 3/8"    | 1/4"-18    | 600-8-4      | <b>6-DFE-4</b>                | 10         |
| 1/2"    | 1/2"-14    | 810-8-8      | <b>8-DFE-8</b>                | 10         |
| 3/4"    | 1/2"       | 1210-8-8     | <b>12-DFE-8</b>               | 10         |
| 3/4"    | 3/4"       | 1210-8-12    | <b>12-DFE-12</b>              | 10         |
| 1"      | 1"         | 1610-8-16    | <b>16-DFE-16</b>              | 10         |

## Instrumentation Fittings

### Union Elbows

| Tube OD | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|--------------|-------------------------------|------------|
| 1/4"    | 400-9        | <b>4-DELU-4</b>               | 10         |
| 3/8"    | 600-9        | <b>6-DELU-6</b>               | 10         |
| 1/2"    | 810-9        | <b>8-DELU-8</b>               | 10         |
| 5/8"    | 1010-9       | <b>10-DELU-10</b>             | 10         |
| 3/4"    | 1210-9       | <b>12-DELU-12</b>             | 10         |
| 1"      | 1610-9       | <b>16-DELU-16</b>             | 10         |



Pipe, Welding  
& Tube Fittings

### Male Branch Tees

| Tube OD | Male NPT | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|----------|--------------|-------------------------------|------------|
| 1/8"    | 1/8"-27  | 200-3TTM     | <b>2-DTTM-2</b>               | 10         |
| 1/4"    | 1/4"-18  | 400-3-4TTM   | <b>4-DTTM-4</b>               | 10         |
| 1/2"    | 3/8"     | 810-3TTM     | <b>8-DTTM-6</b>               | 10         |
| 1/2"    | 1/2"     | 810-3-8TTM   | <b>8-DTTM-8</b>               | 10         |
| 3/4"    | 1/2"     | 1210-3-8TTM  | <b>12-DTTM-8</b>              | 10         |
| 3/4"    | 3/4"     | 1210-3TTM    | <b>12-DTTM-12</b>             | 10         |
| 1"      | 3/4"     | 1610-3-12TTM | <b>16-DTTM-12</b>             | 10         |
| 1"      | 1"       | 1610-3-16TTM | <b>16-DTTM-16</b>             | 10         |



### Female Branch Tees

| Tube OD | Female NPT | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|------------|--------------|-------------------------------|------------|
| 1/4"    | 1/4"-18    | 400-3-4TTF   | <b>4-DTTF-4</b>               | 10         |



### Union Tees

| Tube OD     | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|-------------|--------------|-------------------------------|------------|
| 1/4"        | 400-3        | <b>4-DTTT-4</b>               | 10         |
| 3/8"        | 600-3        | <b>6-DTTT-6</b>               | 10         |
| 1/2"        | 810-3        | <b>8-DTTT-8</b>               | 10         |
| 5/8"        | 1010-3       | <b>10-DTTT-10</b>             | 10         |
| 3/4" x 3/8" | 1210-3-12-6  | <b>12-DTTT-6</b>              | 10         |
| 3/4" x 1/2" | 1210-3-12-8  | <b>12-DTTT-8</b>              | 10         |
| 3/4"        | 1210-3       | <b>12-DTTT-12</b>             | 10         |
| 1" x 3/4"   | 1610-3-12-16 | <b>16-DTTT-12</b>             | 10         |
| 1"          | 1610-3       | <b>16-DTTT-16</b>             | 10         |



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### Male Run Tees

| Tube OD | Male NPT | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|----------|--------------|-------------------------------|------------|
| 1/8"    | 1/8"-27  | 200-3TMT     | <b>2-DTMT-2</b>               | 10         |
| 1/4"    | 1/4"-18  | 400-3-4TMT   | <b>4-DTMT-4</b>               | 10         |
| 3/8"    | 1/4"-18  | 600-3TMT     | <b>6-DTMT-4</b>               | 10         |
| 1/2"    | 3/8"     | 810-3TMT     | <b>8-DTMT-6</b>               | 10         |
| 1/2"    | 1/2"     | 810-3-8TMT   | <b>8-DTMT-8</b>               | 10         |
| 3/4"    | 3/4"     | 1210-3TMT    | <b>12-DTMT-12</b>             | 10         |
| 1"      | 1"       | 1610-3-16TMT | <b>16-DTMT-16</b>             | 10         |



## Instrumentation Fittings

## Front Ferrules



| Tube OD | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|--------------|-------------------------------|------------|
| 1/8"    | 203-1        | <b>DFC-2</b>                  | 10         |
| 1/4"    | 403-1        | <b>DFC-4</b>                  | 10         |
| 3/8"    | 603-1        | <b>DFC-6</b>                  | 10         |
| 1/2"    | 813-1        | <b>DFC-8</b>                  | 10         |
| 5/8"    | 1013-1       | <b>DFC-10</b>                 | 10         |
| 3/4"    | 1213-1       | <b>DFC-12</b>                 | 10         |
| 1"      | 1613-1       | <b>DFC-16</b>                 | 10         |

## Rear Ferrules



| Tube OD | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|--------------|-------------------------------|------------|
| 1/8"    | 204-1        | <b>DRC-2</b>                  | 10         |
| 1/4"    | 404-1        | <b>DRC-4</b>                  | 10         |
| 3/8"    | 604-1        | <b>DRC-6</b>                  | 10         |
| 1/2"    | 814-1        | <b>DRC-8</b>                  | 10         |
| 5/8"    | 1014-1       | <b>DRC-10</b>                 | 10         |
| 3/4"    | 1214-1       | <b>DRC-12</b>                 | 10         |
| 1"      | 1614-1       | <b>DRC-16</b>                 | 10         |

## Nuts



| Tube OD | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|--------------|-------------------------------|------------|
| 1/4"    | 402-1        | <b>DN-4</b>                   | 10         |
| 3/8"    | 602-1        | <b>DN-6</b>                   | 10         |
| 1/2"    | 812-1        | <b>DN-8</b>                   | 10         |
| 5/8"    | 1012-1       | <b>DN-10</b>                  | 10         |
| 3/4"    | 1212-1       | <b>DN-12</b>                  | 10         |
| 1"      | 1612-1       | <b>DN-16</b>                  | 10         |

## Caps



| Tube OD | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|--------------|-------------------------------|------------|
| 1/4"    | 400-C        | <b>4-DCAP</b>                 | 10         |
| 3/8"    | 600-C        | <b>6-DCAP</b>                 | 10         |
| 1/2"    | 810-C        | <b>8-DCAP</b>                 | 10         |
| 5/8"    | 1010-C       | <b>10-DCAP</b>                | 10         |
| 3/4"    | 1210-C       | <b>12-DCAP</b>                | 10         |
| 1"      | 1610-C       | <b>16-DCAP</b>                | 10         |

## Plugs



| Tube OD | Interchanges | 316 Stainless Steel<br>Part # | Pkg<br>Qty |
|---------|--------------|-------------------------------|------------|
| 1/4"    | 400-P        | <b>4-DFPLUG</b>               | 10         |
| 3/8"    | 600-P        | <b>6-DFPLUG</b>               | 10         |
| 1/2"    | 810-P        | <b>8-DFPLUG</b>               | 10         |
| 5/8"    | 1010-P       | <b>10-DFPLUG</b>              | 10         |
| 3/4"    | 1210-P       | <b>12-DFPLUG</b>              | 10         |
| 1"      | 1610-P       | <b>16-DFPLUG</b>              | 10         |

## Compression Fittings

### Applications:

- for use with copper, aluminum and Parflex thermoplastic tubing
- not recommended for steel tubing or applications using gaseous media

### Features:

- no flaring, soldering or other preparation of tubing necessary to assemble
- manufactured for connection to low and medium pressure tubing connection work where excessive vibration or tube movement is not involved
- Underwriter's Laboratories listed for flammable liquid
- Compression fittings meet functional requirements of SAE J-512 and ASA.

### Assembly Instructions:

1. Slide nut, then sleeve onto tubing. The thread end of the nut must face outward.
2. Insert the tube into the fitting. Be sure the tube is bottomed on the fitting shoulder.
3. Assemble nut to body, than tighten hand-tight. Then follow the number of wrench turns as indicated in the table below.

| Fitting Size | Tube OD | Tube Wall | Turns required to seal from hand-tight  |   | PSI @<br>73°F (23°C) |
|--------------|---------|-----------|---|---|----------------------|
|              |         |           | 60C Series<br>with soft metal<br>tubing | 60PT Series with<br>thermoplastic<br>tubing |                      |
| 2"           | 1/8"    | .030      | 1¼                                      | -   | 400                  |
| 3"           | 3/16"   | .030      | 1¼                                      | -   | 400                  |
| 4"           | 1/4"    | .030      | 1¼                                      | 2   | 300                  |
| 5"           | 5/16"   | .032      | 1¼                                      | 2   | 300                  |
| 6"           | 3/8"    | .032      | 2¼                                      | 2   | 200                  |
| 8"           | 1/2"    | .032      | 2¼                                      | 2   | 200                  |
| 10"          | 5/8"    | .035      | 2¼                                      | 2   | 150                  |
| 12"          | 3/4"    | .035      | 2¼                                      | 2   | 100                  |
| 14"          | 7/8"    | .035      | 2¼                                      | -   | 75                   |

### Male Connectors

#### Feature:

- reference SAE 060102 BA

| Tube Size | Pipe Thread | Brass<br>Part # |
|-----------|-------------|-----------------|
| 1/8"      | 1/8"        | 68C-0202        |
| 3/16"     | 1/8"        | 68C-0302        |
|           | 1/4"        | 68C-0304        |
| 1/4"      | 1/8"        | 68C-0402        |
|           | 1/4"        | 68C-0404        |
|           | 3/8"        | 68C-0406        |
|           | 1/2"        | 68C-0408        |
| 5/16"     | 1/8"        | 68C-0502        |
|           | 1/4"        | 68C-0504        |
| 3/8"      | 1/8"        | 68C-0602        |
|           | 1/4"        | 68C-0604        |
|           | 3/8"        | 68C-0606        |
|           | 1/2"        | 68C-0608        |
| 7/16"     | 1/4"        | 68C-0704        |
| 1/2"      | 1/4"        | 68C-0804        |
|           | 3/8"        | 68C-0806        |
|           | 1/2"        | 68C-0808        |
| 5/8"      | 3/8"        | 68C-1006        |
|           | 1/2"        | 68C-1008        |
|           | 3/4"        | 68C-1012        |
| 3/4"      | 1/2"        | 68C-1208        |
|           | 3/4"        | 68C-1212        |
| 7/8"      | 3/4"        | 68C-1412        |



## Compression Fittings

## Female Connectors

## Feature:

- reference SAE 060103 BA



| Tube Size | Pipe Thread | Brass Part #    |
|-----------|-------------|-----------------|
| 1/8"      | 1/8"        | <b>66C-0202</b> |
| 3/16"     | 1/8"        | <b>66C-0302</b> |
|           | 1/4"        | <b>66C-0304</b> |
| 1/4"      | 1/8"        | <b>66C-0402</b> |
|           | 1/4"        | <b>66C-0404</b> |
| 5/16"     | 1/8"        | <b>66C-0502</b> |
|           | 1/4"        | <b>66C-0504</b> |
| 3/8"      | 1/8"        | <b>66C-0602</b> |
|           | 1/4"        | <b>66C-0604</b> |
|           | 3/8"        | <b>66C-0606</b> |
|           | 1/2"        | <b>66C-0608</b> |
| 1/2"      | 1/4"        | <b>66C-0804</b> |
|           | 3/8"        | <b>66C-0806</b> |
|           | 1/2"        | <b>66C-0808</b> |
| 5/8"      | 1/2"        | <b>66C-1008</b> |

## Unions

## Feature:

- reference SAE 060101 BA



| Tube Size | Brass Part #  |
|-----------|---------------|
| 1/8"      | <b>62C-02</b> |
| 3/16"     | <b>62C-03</b> |
| 1/4"      | <b>62C-04</b> |
| 5/16"     | <b>62C-05</b> |
| 3/8"      | <b>62C-06</b> |
| 7/16"     | <b>62C-07</b> |
| 1/2"      | <b>62C-08</b> |
| 5/8"      | <b>62C-10</b> |
| 3/4"      | <b>62C-12</b> |
| 7/8"      | <b>62C-14</b> |

## Union Reducers

## Feature:

- reference SAE 060101 BA



| Tube Size    | Brass Part #    |
|--------------|-----------------|
| 1/4" x 3/16" | <b>62C-0403</b> |
| 3/8" x 1/4"  | <b>62C-0604</b> |
| 1/2" x 3/8"  | <b>62C-0806</b> |
| 5/8" x 3/8"  | <b>62C-1006</b> |

## Bulkhead Unions



| Tube Size | Brass Part #    |
|-----------|-----------------|
| 1/4"      | <b>62CBH-04</b> |
| 3/8"      | <b>62CBH-06</b> |

## Compression Fittings

### Straight Through Tank Fittings

| Tube Size | Pipe Thread | Brass Part #     |
|-----------|-------------|------------------|
| 3/16"     | 1/8"        | <b>682C-0302</b> |
| 3/8"      | 3/8"        | <b>682C-0606</b> |
| 1/2"      | 1/2"        | <b>682C-0808</b> |



### Female Elbows

**Feature:**

- reference SAE 060203 BA

| Tube Size | Pipe Thread | Brass Part #     |
|-----------|-------------|------------------|
| 1/8"      | 1/8"        | <b>170C-0202</b> |
| 3/16"     | 1/8"        | <b>170C-0302</b> |
| 1/4"      | 1/8"        | <b>170C-0402</b> |
|           | 1/4"        | <b>170C-0404</b> |
| 3/8"      | 1/4"        | <b>170C-0604</b> |
|           | 3/8"        | <b>170C-0606</b> |
| 7/16"     | 1/4"        | <b>170C-0704</b> |
| 1/2"      | 3/8"        | <b>170C-0806</b> |



### Male Elbows

**Feature:**

- reference SAE 060202 BA

| Tube Size | Pipe Thread | Brass Part #     |
|-----------|-------------|------------------|
| 1/8"      | 1/8"        | <b>269C-0202</b> |
| 3/16"     | 1/8"        | <b>169C-0302</b> |
|           | 1/4"        | <b>169C-0304</b> |
| 1/4"      | 1/8"        | <b>169C-0402</b> |
|           | 1/4"        | <b>169C-0404</b> |
|           | 3/8"        | <b>169C-0406</b> |
| 5/16"     | 1/8"        | <b>169C-0502</b> |
|           | 1/4"        | <b>169C-0504</b> |
|           | 3/8"        | <b>169C-0506</b> |
| 3/8"      | 1/8"        | <b>169C-0602</b> |
|           | 1/4"        | <b>169C-0604</b> |
|           | 3/8"        | <b>169C-0606</b> |
|           | 1/2"        | <b>169C-0608</b> |
| 1/2"      | 1/4"        | <b>169C-0804</b> |
|           | 3/8"        | <b>169C-0806</b> |
|           | 1/2"        | <b>169C-0808</b> |
| 5/8"      | 1/2"        | <b>169C-1008</b> |
| 3/4"      | 1/2"        | <b>169C-1208</b> |
|           | 3/4"        | <b>169C-1212</b> |



### 45° Elbows

| Tube Size | Pipe Thread | Brass Part #     |
|-----------|-------------|------------------|
| 1/4"      | 1/8"        | <b>179C-0402</b> |
|           | 1/4"        | <b>179C-0404</b> |
| 3/8"      | 1/8"        | <b>179C-0602</b> |
|           | 1/4"        | <b>179C-0604</b> |
|           | 3/8"        | <b>179C-0606</b> |
| 1/2"      | 3/8"        | <b>179C-0806</b> |





## Compression Fittings

## Union Elbows

## Feature:

- reference SAE 060201 BA



| Tube Size | Brass Part #   |
|-----------|----------------|
| 1/8"      | <b>165C-02</b> |
| 3/16"     | <b>165C-03</b> |
| 1/4"      | <b>165C-04</b> |
| 5/16"     | <b>165C-05</b> |
| 3/8"      | <b>165C-06</b> |
| 7/16"     | <b>165C-07</b> |
| 1/2"      | <b>165C-08</b> |
| 5/8"      | <b>165C-10</b> |
| 3/4"      | <b>165C-12</b> |

## Male Branch Tees

## Feature:

- reference SAE 060425 BA



| Tube Size | Pipe Thread | Brass Part #     |
|-----------|-------------|------------------|
| 1/8"      | 1/8"        | <b>172C-0202</b> |
| 3/16"     | 1/8"        | <b>172C-0302</b> |
| 1/4"      | 1/8"        | <b>172C-0402</b> |
|           | 1/4"        | <b>172C-0404</b> |
|           | 1/8"        | <b>172C-0602</b> |
| 3/8"      | 1/4"        | <b>172C-0604</b> |
|           | 3/8"        | <b>172C-0606</b> |
| 1/2"      | 3/8"        | <b>172C-0806</b> |

## Female Branch Tee



| Tube Size | Pipe Thread | Brass Part #     |
|-----------|-------------|------------------|
| 1/4"      | 1/8"        | <b>177C-0402</b> |

## Union Tees

## Feature:

- reference SAE 060401 BA



| Tube Size<br>1 and 2 | Tube Size<br>3 | Brass Part #         |
|----------------------|----------------|----------------------|
| 1/8"                 | 1/8"           | <b>164C-02</b>       |
| 3/16"                | 3/16"          | <b>264C-03</b>       |
| 1/4"                 | 1/4"           | <b>164C-04</b>       |
| 5/16"                | 5/16"          | <b>164C-05</b>       |
| 3/8"                 | 3/8"           | <b>164C-06</b>       |
| 1/2"                 | 1/2"           | <b>164C-08</b>       |
| 5/8"                 | 5/8"           | <b>164C-10</b>       |
| 3/4"                 | 3/4"           | <b>164C-12</b>       |
| 3/8"                 | 1/4"           | <b>164C-06-06-04</b> |
| 1/2"                 | 3/8"           | <b>164C-08-08-06</b> |

## Compression Fittings

## Male Run Tees

## Feature:

- reference SAE 060424 BA

| Tube Size | Pipe Thread | Brass Part # |
|-----------|-------------|--------------|
| 1/8"      | 1/8"        | 171C-0202    |
| 3/16"     | 1/8"        | 171C-0302    |
| 1/4"      | 1/8"        | 171C-0402    |
| 1/4"      | 1/4"        | 171C-0404    |
| 3/8"      | 1/4"        | 171C-0604    |



Pipe, Welding  
& Tube Fittings

## Adapter Tee

| Tube Size | Male Pipe Thread | Female Straight Thread | Brass Part # |
|-----------|------------------|------------------------|--------------|
| 1/4"      | 1/8"             | 7/16"-24               | 176C-0402    |



## Seal Plug

| Tube Size | Brass Part # |
|-----------|--------------|
| 1/4"      | 639C-04      |



## Inserts

| Tube Size | Tube Wall Thickness | Brass Part # |
|-----------|---------------------|--------------|
| 1/8"      | .016"               | 63PT-0216    |
|           | .023"               | 63PT-0223    |
| 3/16"     | .025"               | 63PT-0325    |
|           | .040"               | 63PT-0340    |
| 1/4"      | .040"               | 63PT-0440    |
|           | .062"               | 63PT-0462    |
| 5/16"     | .040"               | 63PT-0540    |
|           | .062"               | 63PT-0562    |
| 3/8"      | .062"               | 63PT-0662    |
| 1/2"      | .062"               | 63PT-0862    |
| 5/8"      | .062"               | 63PT-1062    |



- Acetal sleeves and brass inserts allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

## Brass Sleeves

## Feature:

- reference SAE 060115

| Tube Size | Brass Part # |
|-----------|--------------|
| 1/8"      | 60C-02       |
| 3/16"     | 60C-03       |
| 1/4"      | 60C-04       |
| 5/16"     | 60C-05       |
| 3/8"      | 60C-06       |
| 7/16"     | 60C-07       |
| 1/2"      | 60C-08       |
| 5/8"      | 60C-10       |
| 3/4"      | 60C-12       |
| 7/8"      | 60C-14       |



## Compression Fittings

## Acetal Sleeves



| Tube Size | Acetal<br>Part # |
|-----------|------------------|
| 1/4"      | <b>60PT-04</b>   |
| 5/16"     | <b>60PT-05</b>   |
| 3/8"      | <b>60PT-06</b>   |
| 1/2"      | <b>60PT-08</b>   |
| 5/8"      | <b>60PT-10</b>   |

- Acetal sleeves and brass inserts allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

## Nuts

## Feature:

- reference SAE 060110



| Tube Size | Straight Thread | Brass<br>Part # |
|-----------|-----------------|-----------------|
| 1/8"      | 5/16"-24        | <b>61C-02</b>   |
| 3/16"     | 3/8"-24         | <b>61C-03</b>   |
| 1/4"      | 7/16"-24        | <b>61C-04</b>   |
| 5/16"     | 1/2"-24         | <b>61C-05</b>   |
| 3/8"      | 9/16"-24        | <b>61C-06</b>   |
| 7/16"     | 5/8"-24         | <b>61C-07</b>   |
| 1/2"      | 11/16"-20       | <b>61C-08</b>   |
| 5/8"      | 13/16"-18       | <b>61C-10</b>   |
| 3/4"      | 1"-18           | <b>61C-12</b>   |
| 7/8"      | 1-1/8"-18       | <b>61C-14</b>   |

## Long Nuts

## Feature:

- reference SAE 060111



| Tube Size | Straight Thread | Brass<br>Part # |
|-----------|-----------------|-----------------|
| 1/4"      | 7/16"-24        | <b>61CL-04</b>  |
| 5/16"     | 1/2"-24         | <b>61CL-05</b>  |
| 3/8"      | 9/16"-24        | <b>61CL-06</b>  |
| 1/2"      | 11/16"-20       | <b>61CL-08</b>  |
| 5/8"      | 13/16"-18       | <b>61CL-10</b>  |
| 3/4"      | 1"-18           | <b>61CL-12</b>  |

## Brass SAE 45° Flare Fittings

### Applications:

- for use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared

### Features:

- economical fitting
- resists mechanical pullout
- easy to disassemble and may be reassembled repeatedly, for a leak-proof connection
- manufactured from CA 360, CA 345, or CA377 brass
- for use with hard-to-hold liquids and gases
- Listed with Underwriter's Laboratories for flammable liquid, marine, refrigeration and gas applications. Meets functional requirements of SAE J512 and J513, ASA and MS (Military Standards).
- temperature range: **-65°F to 250°F (-54°C to 121°C)**

### Working Pressure Ranges:

Temperature and type of tubing used are important factors, the following table is a general guide for proper selection. The PSI rating given is based on a temperature of **73°F (22°C)** using copper tubing.

| PSI         | Tube OD | Tube Wall |
|-------------|---------|-----------|
| <b>1400</b> | 1/4"    | .030      |
| <b>1000</b> | 3/8"    | .032      |
| <b>750</b>  | 1/2"    | .032      |
| <b>650</b>  | 5/8"    | .035      |
| <b>550</b>  | 3/4"    | .035      |

### Assembly Instructions:

1. Cut tubing squarely and clean tube end thoroughly to remove burrs.
2. Place nut onto tube. Place threaded end of nut toward end of tube.
3. Flare tube end with flaring tool to provide 45° flare (flare tools are available, please contact Dixon® for pricing and availability).
4. Clamp tube flare between nut and nose of fitting body by screwing nut on finger-tight. Tighten with a wrench an additional 1/4 turn for a metal-to-metal seal.

### Male Connectors

#### Feature:

- reference SAE 010102

| Tube Size | Pipe Size | Straight Thread | Hex     | Brass Part #     |
|-----------|-----------|-----------------|---------|------------------|
| 1/4"      | 1/4"      | 7/16"-20        | 9/16"   | <b>48F-4-4</b>   |
|           | 3/8"      | 7/16"-20        | 11/16"  | <b>48F-4-6</b>   |
|           | 1/2"      | 7/16"-20        | 7/8"    | <b>48F-4-8</b>   |
| 3/8"      | 1/8"      | 5/8"-18         | 5/8"    | <b>48F-6-2</b>   |
|           | 1/4"      | 5/8"-18         | 5/8"    | <b>48F-6-4</b>   |
|           | 3/8"      | 5/8"-18         | 11/16"  | <b>48F-6-6</b>   |
|           | 1/2"      | 5/8"-18         | 7/8"    | <b>48F-6-8</b>   |
| 1/2"      | 1/4"      | 3/4"-16         | 3/4"    | <b>48F-8-4</b>   |
|           | 3/8"      | 3/4"-16         | 3/4"    | <b>48F-8-6</b>   |
|           | 1/2"      | 3/4"-16         | 7/8"    | <b>48F-8-8</b>   |
| 5/8"      | 3/8"      | 7/8"-14         | 7/8"    | <b>48F-10-6</b>  |
| 3/4"      | 3/4"      | 1-1/16"-14      | 1-1/16" | <b>48F-12-12</b> |



### Female Connectors

#### Feature:

- reference SAE 010103

| Tube Size | Pipe Size | Straight Thread | Hex    | Brass Part #    |
|-----------|-----------|-----------------|--------|-----------------|
| 1/4"      | 1/4"      | 7/16"-20        | 11/16" | <b>46F-4-4</b>  |
| 3/8"      | 1/4"      | 5/8"-18         | 11/16" | <b>46F-6-4</b>  |
|           | 3/8"      | 5/8"-18         | 13/16" | <b>46F-6-6</b>  |
|           | 1/2"      | 5/8"-18         | 1"     | <b>46F-6-8</b>  |
| 1/2"      | 1/4"      | 3/4"-16         | 3/4"   | <b>46F-8-4</b>  |
|           | 3/8"      | 3/4"-16         | 13/16" | <b>46F-8-6</b>  |
| 5/8"      | 3/8"      | 7/8"-14         | 7/8"   | <b>46F-10-6</b> |



## Brass SAE 45° Flare Fittings

## Unions

## Feature:

- reference SAE 010101



| Tube Size | Straight Thread | Hex   | Brass Part # |
|-----------|-----------------|-------|--------------|
| 1/4"      | 7/16"-20        | 7/16" | <b>42F-4</b> |
| 3/8"      | 5/8"-18         | 5/8"  | <b>42F-6</b> |
| 1/2"      | 3/4"-16         | 3/4"  | <b>42F-8</b> |

## Male Elbows

## Feature:

- reference SAE 010202



| Tube Size | Pipe Size | Straight Thread | Brass Part #      |
|-----------|-----------|-----------------|-------------------|
| 1/4"      | 1/8"      | 7/16"-20        | <b>149F-4-2</b>   |
|           | 1/4"      | 7/16"-20        | <b>149F-4-4</b>   |
|           | 3/8"      | 7/16"-20        | <b>149F-4-6</b>   |
| 3/8"      | 1/4"      | 5/8"-18         | <b>149F-6-4</b>   |
|           | 3/8"      | 5/8"-18         | <b>149F-6-6</b>   |
|           | 1/2"      | 5/8"-18         | <b>149F-6-8</b>   |
| 1/2"      | 1/4"      | 3/4"-16         | <b>149F-8-4</b>   |
|           | 3/8"      | 3/4"-16         | <b>149F-8-6</b>   |
|           | 1/2"      | 3/4"-16         | <b>149F-8-8</b>   |
| 5/8"      | 1/2"      | 7/8"-14         | <b>149F-10-8</b>  |
| 3/4"      | 3/4"      | 1-1/16"-14      | <b>149F-12-12</b> |

## Female Elbows

## Feature:

- reference SAE 010203



| Tube Size | Pipe Size | Straight Thread | Brass Part #    |
|-----------|-----------|-----------------|-----------------|
| 1/4"      | 1/4"      | 7/16"-20        | <b>150F-4-4</b> |
| 3/8"      | 3/8"      | 5/8"-18         | <b>150F-6-6</b> |
| 3/8"      | 1/2"      | 5/8"-18         | <b>150F-6-8</b> |

## 90° Swivel Elbows



| Tube Size | Straight Thread | Brass Part #      |
|-----------|-----------------|-------------------|
| 1/4"      | 7/16"-20        | <b>166FSV-4-4</b> |
| 3/8"      | 5/8"-18         | <b>166FSV-6-6</b> |
| 1/2"      | 3/4"-16         | <b>166FSV-8-8</b> |

## Brass SAE 45° Flare Fittings

### 45° Elbows

**Feature:**

- reference SAE 010302

| Tube Size | Pipe Size | Straight Thread | Brass Part #    |
|-----------|-----------|-----------------|-----------------|
| 1/4"      | 1/4"      | 7/16"-20        | <b>159F-4-4</b> |
| 3/8"      | 1/4"      | 5/8"-18         | <b>159F-6-4</b> |
|           | 3/8"      | 5/8"-18         | <b>159F-6-6</b> |
| 1/2"      | 1/4"      | 3/4"-16         | <b>159F-8-4</b> |
|           | 3/8"      | 3/4"-16         | <b>159F-8-6</b> |
|           | 1/2"      | 3/4"-16         | <b>159F-8-8</b> |



Pipe, Welding  
& Tube Fittings

### Union Tees

**Feature:**

- reference SAE 010401

| Tube Size | Straight Thread | Brass Part #  |
|-----------|-----------------|---------------|
| 1/4"      | 7/16"-20        | <b>144F-4</b> |
| 3/8"      | 5/8"-18         | <b>144F-6</b> |
| 1/2"      | 3/4"-16         | <b>144F-8</b> |



### Short Nuts

**Features:**

- short nut for use when vibration is minimal
- reference SAE 010110

| Tube Size | Straight Thread | Hex   | Brass Part #  |
|-----------|-----------------|-------|---------------|
| 1/4"      | 7/16"-20        | 9/16" | <b>41FS-4</b> |
| 3/8"      | 5/8"-18         | 3/4"  | <b>41FS-6</b> |
| 1/2"      | 3/4"-16         | 7/8"  | <b>41FS-8</b> |



### Long Nuts

**Features:**

- long nut offers additional vibration capacity
- reference SAE 010111

| Tube Size | Straight Thread | Hex   | Brass Part #  |
|-----------|-----------------|-------|---------------|
| 1/4"      | 7/16"-20        | 9/16" | <b>41FL-4</b> |
| 3/8"      | 5/8"-18         | 3/4"  | <b>41FL-6</b> |
| 1/2"      | 3/4"-16         | 7/8"  | <b>41FL-8</b> |





## Flareless Bite Fittings

**Applications:**

- chemical, pulp and paper, oil and gas refineries, military, air compressors and machine tools
- well-suited for a variety of processing and general hydraulic applications

**Features:**

- Ideally suited for use with tubing having medium to extra heavy wall thicknesses.
- 3 piece design, with only one ferrule eliminates possible make-up errors that may occur using a twin ferrule tube fitting.
- Minimal risk of improper assembly as the ferrule visibly bites into the tubing, allowing installer to visually inspect the bite quality.
- fittings are suitable for sub-zero through elevated temperature applications
- temperature rating is limited by the material chosen
- pressure ratings are determined by the size (OD) and wall thickness (inches/mm) of the tubing on which they are to be installed

**Specifications:**

- exceeds Military (MIL F18866) and SAE J514 standards

**Assembly Instructions:**

- cut, de-burr and clean tubing
- pre-set ferrule onto tubing
- inspect ferrule bite in tubing by disassembling the fitting and visually inspecting the de-burred end of tube for slight indentation
- finger tighten nut and then further wrench tighten nut another 1/3 to 1/2 turn

**Male Tube x Male NPTF Adapters**

| Tube OD | Male NPTF | Steel Part #         |
|---------|-----------|----------------------|
| 1/8"    | 1/8"      | <b>FLC2404-02</b>    |
|         | 1/4"      | <b>FLC2404-02-04</b> |
| 3/16"   | 1/8"      | <b>FLC2404-03-02</b> |
| 1/4"    | 1/8"      | <b>FLC2404-04-02</b> |
|         | 1/4"      | <b>FLC2404-04</b>    |
|         | 3/8"      | <b>FLC2404-04-06</b> |
|         | 1/2"      | <b>FLC2404-04-08</b> |
| 5/16"   | 1/8"      | <b>FLC2404-05-02</b> |
|         | 1/4"      | <b>FLC2404-05-04</b> |
| 3/8"    | 1/8"      | <b>FLC2404-06-02</b> |
|         | 1/4"      | <b>FLC2404-06-04</b> |
|         | 3/8"      | <b>FLC2404-06</b>    |
|         | 1/2"      | <b>FLC2404-06-08</b> |
| 1/2"    | 1/4"      | <b>FLC2404-08-04</b> |
|         | 3/8"      | <b>FLC2404-08-06</b> |
|         | 1/2"      | <b>FLC2404-08</b>    |
|         | 3/4"      | <b>FLC2404-08-12</b> |
| 5/8"    | 3/8"      | <b>FLC2404-10-06</b> |
|         | 1/2"      | <b>FLC2404-10-08</b> |
|         | 3/4"      | <b>FLC2404-10-12</b> |
| 3/4"    | 1/2"      | <b>FLC2404-12-08</b> |
|         | 3/4"      | <b>FLC2404-12</b>    |
|         | 1"        | <b>FLC2404-12-16</b> |
| 1"      | 3/4"      | <b>FLC2404-16-12</b> |
|         | 1"        | <b>FLC2404-16</b>    |
|         | 1-1/4"    | <b>FLC2404-16-20</b> |
| 1-1/4"  | 3/4"      | <b>FLC2404-20-12</b> |
|         | 1-1/4"    | <b>FLC2404-20</b>    |
| 1-1/2"  | 1-1/2"    | <b>FLC2404-24</b>    |

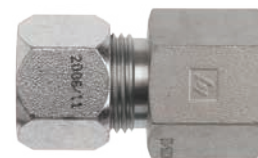
**Male Tube x Male 37° JIC**

| Tube OD | Male 37° JIC | Steel Part #         |
|---------|--------------|----------------------|
| 1/4"    | 1/4"         | <b>FLC2402-04-04</b> |
| 3/8"    | 3/8"         | <b>FLC2402-06-06</b> |
| 1/2"    | 1/2"         | <b>FLC2402-08-08</b> |
| 3/4"    | 3/4"         | <b>FLC2402-12-12</b> |



Male Tube x Female NPTF Adapters

| Tube OD | Female NPTF | Steel<br>Part # |
|---------|-------------|-----------------|
| 1/8"    | 1/8"        | FLC2405-02      |
| 1/4"    | 1/8"        | FLC2405-04-02   |
|         | 1/4"        | FLC2405-04      |
| 5/16"   | 1/8"        | FLC2405-05-02   |
| 3/8"    | 1/4"        | FLC2405-06-04   |
|         | 3/8"        | FLC2405-06      |
| 1/2"    | 1/4"        | FLC2405-08-04   |
|         | 3/8"        | FLC2405-08-06   |
|         | 1/2"        | FLC2405-08      |
| 5/8"    | 1/2"        | FLC2405-10-08   |
| 3/4"    | 3/4"        | FLC2405-12      |
| 1"      | 1"          | FLC2405-16      |
| 1-1/4"  | 1 1/4"      | FLC2405-20      |



Pipe, Welding  
& Tube Fittings

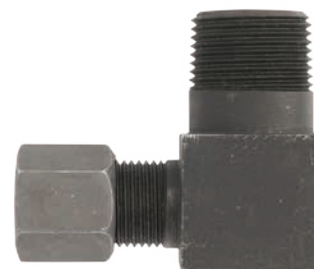
Tube Unions

| Tube OD | Steel<br>Part # |
|---------|-----------------|
| 1/8"    | FLC2403-02      |
| 3/16"   | FLC2403-03      |
| 1/4"    | FLC2403-04      |
| 5/16"   | FLC2403-05      |
| 3/8"    | FLC2403-06      |
| 1/2"    | FLC2403-08      |
| 5/8"    | FLC2403-10      |
| 3/4"    | FLC2403-12      |
| 1"      | FLC2403-16      |
| 1-1/4"  | FLC2403-20      |
| 1-1/2"  | FLC2403-24      |



Male Tube x Male NPTF Adapter 90° Elbows

| Tube OD | Male NPTF | Steel<br>Part # |
|---------|-----------|-----------------|
| 1/8"    | 1/8"      | FLC2501-02      |
| 3/16"   | 1/8"      | FLC2501-03-02   |
| 1/4"    | 1/8"      | FLC2501-04-02   |
|         | 1/4"      | FLC2501-04      |
|         | 3/8"      | FLC2501-04-06   |
| 5/16"   | 1/8"      | FLC2501-05-02   |
|         | 1/4"      | FLC2501-05-04   |
| 3/8"    | 1/8"      | FLC2501-06-02   |
|         | 1/4"      | FLC2501-06-04   |
|         | 3/8"      | FLC2501-06      |
|         | 1/2"      | FLC2501-06-08   |
| 1/2"    | 1/4"      | FLC2501-08-04   |
|         | 3/8"      | FLC2501-08-06   |
|         | 1/2"      | FLC2501-08      |
|         | 3/4"      | FLC2501-08-12   |
| 5/8"    | 3/8"      | FLC2501-10-06   |
|         | 1/2"      | FLC2501-10-08   |
| 3/4"    | 1/2"      | FLC2501-12-08   |
|         | 3/4"      | FLC2501-12      |
| 1"      | 3/4"      | FLC2501-16-12   |
|         | 1"        | FLC2501-16      |
| 1 1/4"  | 1 1/4"    | FLC2501-20      |
| 1 1/2"  | 1 1/2"    | FLC2501-24      |

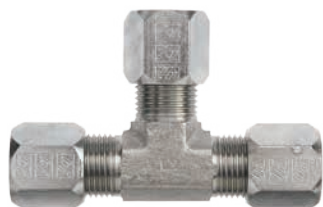




## Male Union 90° Elbows

| Tube OD | Steel<br>Part #   |
|---------|-------------------|
| 1/4"    | <i>FLC2500-04</i> |
| 5/16"   | <i>FLC2500-05</i> |
| 3/8"    | <i>FLC2500-06</i> |
| 1/2"    | <i>FLC2500-08</i> |
| 5/8"    | <i>FLC2500-10</i> |
| 3/4"    | <i>FLC2500-12</i> |
| 1"      | <i>FLC2500-16</i> |
| 1-1/4"  | <i>FLC2500-20</i> |

## Male Tube Union Tees



| Tube OD | Steel<br>Part #   |
|---------|-------------------|
| 1/8"    | <i>FLC2603-02</i> |
| 3/16"   | <i>FLC2603-03</i> |
| 1/4"    | <i>FLC2603-04</i> |
| 5/16"   | <i>FLC2603-05</i> |
| 3/8"    | <i>FLC2603-06</i> |
| 1/2"    | <i>FLC2603-08</i> |
| 5/8"    | <i>FLC2603-10</i> |
| 3/4"    | <i>FLC2603-12</i> |
| 1"      | <i>FLC2603-16</i> |
| 1-1/4"  | <i>FLC2603-20</i> |

## Ferrules



| Tube OD | Steel<br>Part #   |
|---------|-------------------|
| 1/8"    | <i>FLC0319-02</i> |
| 3/16"   | <i>FLC0319-03</i> |
| 1/4"    | <i>FLC0319-04</i> |
| 5/16"   | <i>FLC0319-05</i> |
| 3/8"    | <i>FLC0319-06</i> |
| 1/2"    | <i>FLC0319-08</i> |
| 5/8"    | <i>FLC0319-10</i> |
| 3/4"    | <i>FLC0319-12</i> |
| 1"      | <i>FLC0319-16</i> |
| 1-1/4"  | <i>FLC0319-20</i> |
| 1-1/2"  | <i>FLC0319-24</i> |

## Nuts



| Tube OD | Steel<br>Part #   |
|---------|-------------------|
| 1/8"    | <i>FLC0318-02</i> |
| 3/16"   | <i>FLC0318-03</i> |
| 1/4"    | <i>FLC0318-04</i> |
| 5/16"   | <i>FLC0318-05</i> |
| 3/8"    | <i>FLC0318-06</i> |
| 1/2"    | <i>FLC0318-08</i> |
| 5/8"    | <i>FLC0318-10</i> |
| 3/4"    | <i>FLC0318-12</i> |
| 1"      | <i>FLC0318-16</i> |
| 1-1/4"  | <i>FLC0318-20</i> |
| 1-1/2"  | <i>FLC0318-24</i> |

## Sharkbite® Push to Connect Fittings

### Applications:

- for **water, dry, clean air** or **100% glycol solutions** only
- connects copper, CPVC, and PEX pipe in any combination
- approved for use underground and behind walls without access panels



### Features:

- no soldering, clamps, unions or glue needed
- pressure rating: **200 PSI at 200°F (93°C)**
- integral tube liner for PEX installations
- Fittings can be rotated after assembly for easier installation in tight spaces.
- easy to disconnect if needed
- design certified and listed to ASSE 1061/NSF 61
- listed by IAPMO
- meets UPC, IPC and cUPC requirements
- all Sharkbite® fittings are lead free

### Straight Couplings

| Tube Size   | Forged Brass<br>Part # |
|-------------|------------------------|
| 1/2" x 1/2" | <b>U008</b>            |
| 3/4" x 3/4" | <b>U016</b>            |
| 1" x 1"     | <b>U020</b>            |



### Reducing Couplings

| Tube Size   | Forged Brass<br>Part # |
|-------------|------------------------|
| 3/4" x 1/2" | <b>U058</b>            |
| 1" x 3/4"   | <b>U060</b>            |



### Straight Connectors

| Tube Size | Female NPT | Forged Brass<br>Part # |
|-----------|------------|------------------------|
| 1/2"      | 1/2"       | <b>U072</b>            |
| 3/4"      | 3/4"       | <b>U088</b>            |
| 1"        | 1"         | <b>U094</b>            |



| Tube Size | Male NPT | Forged Brass<br>Part # |
|-----------|----------|------------------------|
| 1/2"      | 1/2"     | <b>U120</b>            |
| 3/4"      | 3/4"     | <b>U134</b>            |
| 1"        | 1"       | <b>U140</b>            |



### Reducing Connectors

| Tube Size | Female NPT | Forged Brass<br>Part # |
|-----------|------------|------------------------|
| 1/2"      | 3/4"       | <b>U068</b>            |



| Tube Size | Male NPT | Forged Brass<br>Part # |
|-----------|----------|------------------------|
| 1/2"      | 3/4"     | <b>U116</b>            |



## Sharkbite® Push to Connect Fittings



## Elbows

| Tube Size   | Forged Brass<br>Part # |
|-------------|------------------------|
| 1/2" x 1/2" | <b>U248</b>            |
| 3/4" x 3/4" | <b>U256</b>            |
| 1" x 1"     | <b>U260</b>            |

## Drop Ear Elbow



| Tube Size | Female NPT | Forged Brass<br>Part # |
|-----------|------------|------------------------|
| 1/2"      | 1/2"       | <b>U334</b>            |

## Tees



| Tube Size | Forged Brass<br>Part # |
|-----------|------------------------|
| 1/2"      | <b>U362</b>            |
| 3/4"      | <b>U370</b>            |

## Reducing Tee



| Tube Size (2) | Tube Size | Forged Brass<br>Part # |
|---------------|-----------|------------------------|
| 3/4"          | 1/2"      | <b>U412</b>            |

## End Stops



| Tube Size | Forged Brass<br>Part # |
|-----------|------------------------|
| 1/2"      | <b>U514</b>            |
| 3/4"      | <b>U518</b>            |
| 1"        | <b>U520</b>            |

## Slip Couplings



## Application:

- for use with copper pipe only



| Tube Size | Forged Brass<br>Part # |
|-----------|------------------------|
| 1/2"      | <b>U3008</b>           |
| 3/4"      | <b>U3016</b>           |

## Disconnect Clips






| Size | ABS Plastic<br>Part # |
|------|-----------------------|
| 1/2" | <b>U710</b>           |
| 3/4" | <b>U712</b>           |
| 1"   | <b>U714</b>           |

# LIQUIfit™ Fittings

## Application:

- Suitable for water, potable liquids and neutral gas applications: including water filtration, water coolers, coffee machines and beverage dispensers.

## Features:

- EPDM seal secures connection with larger surface area than standard O-rings
- engineered polymer allows superior mechanical strength and chemical resistance
- full stainless gripping ring eliminates the need for locking clips
- release button protects and supports tubing
- FDA compliant
- meets California and Vermont <0.25% lead requirements
- NSF-51 listed for contact with food
- NSF-61 list C-Hot rated
- in compliance with the following standards:   

## Specifications:

- working pressure:
  - 1/4" 230 PSI from 35°F to 100°F (1.7°C to 38°C)  
150 PSI at 150°F (66°C)  
60 PSI at 200°F (93°C)
  - 3/8" 190 PSI from 35°F to 100°F (1.7°C to 38°C)  
100 PSI at 150°F (66°C)  
60 PSI at 200°F (93°C)
  - 1/2" 160 PSI from 35°F to 100°F (1.7°C to 38°C)  
100 PSI at 150°F (66°C)  
60 PSI at 200°F (93°C)
- maximum torque values for NPTF threads:
  - 1/8" and 1/4" 1.0 ft. lbs. / 1.5Nm
  - 3/8" and 1/2" 2.2 ft. lbs. / 3.0Nm

## Male Connectors

| Tube OD | Male NPTF | Nylon Part # | Pkg Qty |
|---------|-----------|--------------|---------|
| 1/4"    | 1/8"      | 65055611WP2  | 10      |
|         | 1/4"      | 65055614WP2  | 10      |
| 3/8"    | 1/4"      | 65056014WP2  | 10      |
|         | 3/8"      | 65056018WP2  | 10      |
| 1/2"    | 3/8"      | 65056218WP2  | 5       |
|         | 1/2"      | 65056222WP2  | 5       |



## Female Connectors

| Tube OD | Female NPTF | Nylon Part # | Pkg Qty |
|---------|-------------|--------------|---------|
| 1/4"    | 1/4"        | 63155614WP2  | 10      |
| 3/8"    | 3/8"        | 63156018WP2  | 10      |



## Faucet Connectors

| Tube OD | Female UNS | Nylon Part # | Pkg Qty |
|---------|------------|--------------|---------|
| 1/4"    | 7/16-24    | 632556133WP2 | 10      |
| 3/8"    | 7/16-24    | 632560133WP2 | 10      |



## Fixed Elbows

| Tube OD | Male NPTF | Nylon Part # | Pkg Qty |
|---------|-----------|--------------|---------|
| 1/4"    | 1/8"      | 65795611WP2  | 10      |
|         | 1/4"      | 65795614WP2  | 10      |
|         | 3/8"      | 65795618WP2  | 10      |
| 3/8"    | 1/4"      | 65796014WP2  | 10      |
|         | 3/8"      | 65796018WP2  | 10      |





## LIQUIfit™ Fittings

## Union Elbows

Pipe, Welding  
& Tube Fittings

| Tube OD | Nylon Part #       | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>63025600WP2</b> | 10      |
| 3/8"    | <b>63026000WP2</b> | 10      |
| 1/2"    | <b>63026200WP2</b> | 5       |

## Union Tees



| Tube OD | Nylon Part #       | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>63045600WP2</b> | 10      |
| 3/8"    | <b>63046000WP2</b> | 10      |
| 1/2"    | <b>63046200WP2</b> | 5       |

## Union Connectors



| Tube OD 1 | Tube OD 2 | Nylon Part #       | Pkg Qty |
|-----------|-----------|--------------------|---------|
| 1/4"      | 1/4"      | <b>63065600WP2</b> | 10      |
|           | 3/8"      | <b>63065660WP2</b> | 10      |
| 3/8"      | 3/8"      | <b>63066000WP2</b> | 10      |
|           | 1/2"      | <b>63066062WP2</b> | 5       |
| 1/2"      | 1/2"      | <b>63066200WP2</b> | 5       |

## Unequal Union Tee



| Branch Tube OD (1) | Run Tube OD (2) | Nylon Part #       | Pkg Qty |
|--------------------|-----------------|--------------------|---------|
| 1/4"               | 3/8"            | <b>63046056WP2</b> | 10      |

## Bulkhead Unions



| Tube OD | Nylon Part #       | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>63165600WP2</b> | 10      |
| 3/8"    | <b>63166000WP2</b> | 10      |
| 1/2"    | <b>63166200WP2</b> | 5       |

## Union Y Connectors



| Tube OD | Nylon Part #       | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>63405600WP2</b> | 10      |
| 3/8"    | <b>63406000WP2</b> | 10      |
| 1/2"    | <b>63406200WP2</b> | 5       |

**LIQUIfit™** Fittings

**Swivel Elbows**

| Tube OD | Male NPTF | Nylon Part #       | Pkg Qty |
|---------|-----------|--------------------|---------|
| 1/4"    | 1/8"      | <b>65095611WP2</b> | 10      |
|         | 1/4"      | <b>65095614WP2</b> | 10      |
|         | 3/8"      | <b>65095618WP2</b> | 10      |
| 3/8"    | 1/4"      | <b>65096014WP2</b> | 10      |
|         | 3/8"      | <b>65096018WP2</b> | 10      |
| 1/2"    | 3/8"      | <b>65096218WP2</b> | 4       |
|         | 1/2"      | <b>65096222WP2</b> | 4       |



Pipe, Welding  
& Tube Fittings

**Swivel Branch Tees**

| Tube OD | Male NPTF | Nylon Part #       | Pkg Qty |
|---------|-----------|--------------------|---------|
| 1/4"    | 1/8"      | <b>65085611WP2</b> | 10      |
|         | 1/4"      | <b>65085614WP2</b> | 10      |
|         | 3/8"      | <b>65085618WP2</b> | 10      |
| 3/8"    | 1/4"      | <b>65086014WP2</b> | 10      |
|         | 3/8"      | <b>65086018WP2</b> | 10      |



**Swivel Male Run Tees**

| Tube OD | Male NPTF | Nylon Part #       | Pkg Qty |
|---------|-----------|--------------------|---------|
| 1/4"    | 1/8"      | <b>65035611WP2</b> | 10      |
|         | 1/4"      | <b>65035614WP2</b> | 10      |
|         | 3/8"      | <b>65035618WP2</b> | 10      |
| 3/8"    | 1/4"      | <b>65036014WP2</b> | 10      |
|         | 3/8"      | <b>65036018WP2</b> | 10      |



**Stem Adapters**

| Tube OD | Male NPTF | Nylon Part #       | Pkg Qty |
|---------|-----------|--------------------|---------|
| 1/4"    | 1/4"      | <b>65215614WP2</b> | 10      |
|         | 3/8"      | <b>65215618WP2</b> | 10      |
| 3/8"    | 1/4"      | <b>65216014WP2</b> | 10      |
|         | 3/8"      | <b>65216018WP2</b> | 10      |
| 1/2"    | 3/8"      | <b>65216218WP2</b> | 5       |
|         | 1/2"      | <b>65216222WP2</b> | 5       |



**End Stops**

| Tube OD | Nylon Part #       | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>63515600WP2</b> | 10      |
| 3/8"    | <b>63516000WP2</b> | 10      |



**Plugs**

| Tube OD | Nylon Part #       | Pkg Qty |
|---------|--------------------|---------|
| 1/4"    | <b>63265600WP2</b> | 10      |
| 3/8"    | <b>63266000WP2</b> | 10      |
| 1/2"    | <b>63266200WP2</b> | 5       |



**LIQUIfit™** Fittings**Hose Stems**

| Tube OD | Stem  | Nylon<br>Part #    | Pkg<br>Qty |
|---------|-------|--------------------|------------|
| 1/4"    | 1/4"  | <b>63225656WP2</b> | 10         |
| 3/8"    | 1/4"  | <b>63226056WP2</b> | 10         |
|         | 5/16" | <b>63226008WP2</b> | 10         |
|         | 3/8"  | <b>63226060WP2</b> | 10         |
| 1/2"    | 3/8"  | <b>63226260WP2</b> | 10         |

**Plug-in Reducers**

| Tube OD | Plug-in | Nylon<br>Part #    | Pkg<br>Qty |
|---------|---------|--------------------|------------|
| 1/4"    | 5/16"   | <b>63665608WP2</b> | 10         |
| 1/4"    | 3/8"    | <b>63665660WP2</b> | 10         |
| 3/8"    | 1/2"    | <b>63666062WP2</b> | 5          |

**Plug-in Elbows**

| Tube OD | Plug-in | Nylon<br>Part #    | Pkg<br>Qty |
|---------|---------|--------------------|------------|
| 1/4"    | 1/4"    | <b>63825600WP2</b> | 10         |
| 3/8"    | 3/8"    | <b>63826000WP2</b> | 10         |
| 1/2"    | 1/2"    | <b>63826200WP2</b> | 5          |

**Plug-in Tees**

| Tube OD | Plug-in | Nylon<br>Part #    | Pkg<br>Qty |
|---------|---------|--------------------|------------|
| 1/4"    | 1/4"    | <b>63885600WP2</b> | 10         |
| 3/8"    | 3/8"    | <b>63886000WP2</b> | 10         |
| 1/2"    | 1/2"    | <b>63886200WP2</b> | 5          |

## TrueSeal™ Ball Valves

### Application:

These corrosion resistant, all-plastic designed ball valves are ideal for water filtration units, coffee and beverage machines and a wide variety of other fluid applications.

### Features:

- EPDM seal secures connection with larger surface area than standard O-rings
- full flow self-cleaning ball
- high-temperature, scale resistant Polysulfone ball
- glass-reinforced Polypropylene body
- FDA compliant
- NSF-51 listed for contact with food
- certified to NSF-61

### Specifications:

- temperature range: **0°F to 225°F (-18°C to 107°C)**
- O-ring seal material: EPDM
- maximum operating pressure: **150 PSI**
- Burst pressure **600 PSI**
- Actual working pressures will be lower at elevated temperatures.

### Tube to Male NPTF

| Tube OD | Male NPTF | Polypropylene Part # | Pkg Qty |
|---------|-----------|----------------------|---------|
| 1/4"    | 1/4"      | <b>PP4VMC4-MG</b>    | 10      |
|         | 3/8"      | <b>PP4VMC6-MG</b>    | 10      |
| 3/8"    | 1/4"      | <b>PP6VMC4-MG</b>    | 10      |
|         | 3/8"      | <b>PP6VMC6-MG</b>    | 10      |



### Tube to Female NPTF

| Tube OD | Female NPTF | Polypropylene Part # | Pkg Qty |
|---------|-------------|----------------------|---------|
| 1/4"    | 1/8"        | <b>PP4VFC2-MG</b>    | 10      |
|         | 1/4"        | <b>PP4VFC4-MG</b>    | 10      |
|         | 3/8"        | <b>PP4VFC6-MG</b>    | 10      |
| 3/8"    | 1/8"        | <b>PP6VFC2-MG</b>    | 10      |
|         | 1/4"        | <b>PP6VFC4-MG</b>    | 10      |
|         | 3/8"        | <b>PP6VFC6-MG</b>    | 10      |



### Tube to Male NPTF Elbows

| Tube OD | Male NPTF | Polypropylene Part # | Pkg Qty |
|---------|-----------|----------------------|---------|
| 1/4"    | 1/4"      | <b>PP4VME4-MG</b>    | 10      |
|         | 3/8"      | <b>PP4VME6-MG</b>    | 10      |
|         | 1/2"      | <b>PP4VME8-MG</b>    | 10      |
| 3/8"    | 1/4"      | <b>PP6VME4-MG</b>    | 10      |
|         | 3/8"      | <b>PP6VME6-MG</b>    | 10      |
|         | 1/2"      | <b>PP6VME8-MG</b>    | 10      |



### Tube to Female NPTF Elbows

| Tube OD | Female NPTF | Polypropylene Part # | Pkg Qty |
|---------|-------------|----------------------|---------|
| 1/4"    | 1/4"        | <b>PP4VFE4-MG</b>    | 10      |
|         | 3/8"        | <b>PP4VFE6-MG</b>    | 10      |
| 3/8"    | 1/4"        | <b>PP6VFE4-MG</b>    | 10      |
|         | 3/8"        | <b>PP6VFE6-MG</b>    | 10      |



## TrueSeal™ Ball Valves



## Tube to Tube Unions

| Tube OD 1 | Tube OD 2 | Polypropylene Part # | Pkg Qty |
|-----------|-----------|----------------------|---------|
| 1/4"      | 1/4"      | <b>PP4VUC4-MG</b>    | 10      |
| 3/8"      | 1/4"      | <b>PP4VUC6-MG</b>    | 10      |
| 3/8"      | 3/8"      | <b>PP6VUC6-MG</b>    | 10      |

## Tube to Tube Elbow Unions



| Tube OD 1 | Tube OD 2 | Polypropylene Part # | Pkg Qty |
|-----------|-----------|----------------------|---------|
| 1/4"      | 1/4"      | <b>PP4VEU4-MG</b>    | 10      |
|           | 3/8"      | <b>PP4VEU6-MG</b>    | 10      |
| 3/8"      | 1/4"      | <b>PP6VEU4-MG</b>    | 10      |
|           | 3/8"      | <b>PP6VEU6-MG</b>    | 10      |

## Tube to Plug-in Elbow Unions



| Tube OD | Stem | Polypropylene Part # | Pkg Qty |
|---------|------|----------------------|---------|
| 1/4"    | 3/8" | <b>PP4VTEU6-MG</b>   | 10      |
| 3/8"    | 3/8" | <b>PP6VTEU6-MG</b>   | 10      |

## TrueSeal™ Check Valves

## Application:

Push-to-connect check valves ensure protection against reversal of flow. The valves have an arrow molded into the body to indicate the direction of flow. Valves are designed for connection with either thermoplastic or soft metal tubing and are intended for use with liquids only.



## Features:

- body material: acetal
- O-ring: EPDM
- metal grip edge: 300 stainless steel
- NSF-51 listed
- maximum operating pressure: **150 PSI** (dependent on tubing used)
- temperature range: **34°F to 150°F (1°C to 65°C)**
- cracking pressure: 1/3 PSI



| Tube OD | Acetal Part #   | Pkg Qty |
|---------|-----------------|---------|
| 1/4"    | <b>A4VC4-MG</b> | 25      |
| 3/8"    | <b>A6VC6-MG</b> | 25      |

**Fire Hose..... 732 to 739**

|  |           |
|--|-----------|
| 300# single jacket all polyester.....  | 732       |
| 500# single jacket all polyester.....  | 733 , 734 |
| UL labeled.....                        | 733       |
| Color impregnated .....                | 734       |
| 800# double jacket all polyester ..... | 734       |
| Color impregnated .....                | 734       |
| MSHA approved single jacket mine.....  | 735       |
| Double jacket potable water hose ..... | 735       |
| 500# all polyester rack.....           | 735, 736  |
| UL labeled.....                        | 735       |
| Non-UL labeled .....                   | 736       |
| 500# nitrile covered .....             | 736       |
| Forestry non-weeping.....              | 737       |
| Forestry mop up .....                  | 737       |
| Forestry mop up kit.....               | 737       |
| Nitrile covered - heavy duty .....     | 738       |
| Non-collapsible .....                  | 739       |
| Chemical booster .....                 | 739       |
| Fire and utility.....                  | 739       |

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|                                   |            |
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| Expansion ring couplings.....     | 740 to 742 |
| Washers.....                      | 741 to 742 |
| Ring and gasket guide .....       | 742        |
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**Racks, Reels, Hose cabinet..... 744 to 750**

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| Style V Swing type hose storage.....    | 744 |
| Swing type hose storage .....           | 745 |
| Heavy duty swing type hose storage..... | 745 |
| Global continuous flow .....            | 746 |
| Continuous flow .....                   | 747 |
| Hump racks .....                        | 748 |
| Hose racks .....                        | 748 |
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| Steel hose cabinet .....                | 750 |

**Hose protection..... 751**

|                  |     |
|------------------|-----|
| Fire jacket..... | 751 |
| Fire tape .....  | 751 |

**Nozzles..... 752 to 765**

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|-------------------------------|-----------------------------------|
| Fog .....                     | 752, 753, 758, 759, 760, 762, 763 |
| Rack .....                    | 753                               |
| Ball shutoffs .....           | 754, 761, 763, 764                |
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| Plain hose.....               | 754, 755                          |
| Twist .....                   | 754                               |
| Red plain hose.....           | 755                               |
| UL play pipes.....            | 755                               |
| Street cleaning.....          | 755                               |
| US Coast Guard approved ..... | 756                               |
| Monitors & nozzles .....      | 757                               |
| Garden hose.....              | 760                               |

**Nozzles (cont.)..... 752 to 765**

|                           |     |
|---------------------------|-----|
| Break apart attack .....  | 761 |
| Pistol grip adapters..... | 761 |
| Gallonge .....            | 762 |
| Penetrator.....           | 764 |
| Straight steam .....      | 764 |
| Adjust-A-Power.....       | 765 |
| Constant Flow.....        | 765 |

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|   |                      |
|---|----------------------|
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| Swivel .....                              | 767 to 770, 779      |
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| Hex nipples.....                          | 774 to 776           |
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| Suction.....                              | 780, 803             |
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| Storz .....                               | 793 to 797           |
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| Siamese assemblies.....                   | 815                  |
| Single sprinkler connection.....          | 816                  |
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**Accessories ..... 820****Valves..... 821 to 842****Specialty products..... 843**

Garden hose and washdown hoses can be found on pages 883 - 885.



## 300# Single Jacket All Polyester Fire Hose

**Features:**

- outer construction: single jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **300 PSI**
- service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **135 PSI** at ambient temperature **70°F (21°C)**
- 25' and 75' lengths, UL labeled hoses and other threads and configurations are available, contact Dixon®

**Uncoupled**

| Size | Bowl     | Length | Part #            |
|------|----------|--------|-------------------|
| 1½"  | 1-3/4"   | 50'    | <b>A315-50UC</b>  |
|      | 1-3/4"   | 100'   | <b>A315-100UC</b> |
| 2"   | 2-1/4"   | 50'    | <b>A320-50UC</b>  |
|      | 2-1/4"   | 100'   | <b>A320-100UC</b> |
| 2½"  | 2-13/16" | 50'    | <b>A325-50UC</b>  |
|      | 2-13/16" | 100'   | <b>A325-100UC</b> |
| 3"   | 3-3/8"   | 50'    | <b>A330-50UC</b>  |
|      | 3-3/8"   | 100'   | <b>A330-100UC</b> |

**Coupled with female and male expansion ring couplings**

| Size | Length | Rocker Lug<br>Aluminum<br>NST (NH)<br>Part # | Rocker Lug<br>Brass<br>NST (NH)<br>Part # | Rocker Lug<br>Aluminum<br>NPSH<br>Part # |
|------|--------|--|---|--|
|      |        |  |   |  |
| 1½"  | 50'    | <b>A315-50RAF</b>                            | <b>A315-50RBF</b>                         | <b>A315-50RAS</b>                        |
|      | 100'   | <b>A315100RAF</b>                            | <b>A315100RBF</b>                         | <b>A315100RAS</b>                        |
| 2"   | 50'    | ---  | ---                                       | <b>A320-50RAS</b>                        |
|      | 100'   | ---  | ---                                       | <b>A320100RAS</b>                        |
| 2½"  | 50'    | <b>A325-50RAF</b>                            | <b>A325-50RBF</b>                         | <b>A325-50RAS</b>                        |
|      | 100'   | <b>A325100RAF</b>                            | <b>A325100RBF</b>                         | <b>A325100RAS</b>                        |
| 3"   | 50'    | ---  | ---                                       | <b>A330-50RAS</b>                        |
|      | 100'   | ---  | ---                                       | <b>A330100RAS</b>                        |

## 500# Single Jacket All Polyester Fire Hose

## Features:

- outer construction: single jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **500 PSI**
- service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**
- other threads and configurations are available, contact Dixon®

## Uncoupled

| Size | Bowl     | Length | Part #            |
|------|----------|--------|-------------------|
| 1"   | 1-1/4"   | 50'    | <b>A510-50UC</b>  |
|      | 1-1/4"   | 100'   | <b>A510-100UC</b> |
| 1½"  | 1-3/4"   | 50'    | <b>A515-50UC</b>  |
|      | 1-3/4"   | 100'   | <b>A515-100UC</b> |
| 2½"  | 2-13/16" | 50'    | <b>A525-50UC</b>  |
|      | 2-13/16" | 100'   | <b>A525-100UC</b> |



## Coupled with female and male expansion ring couplings

| Size | Length | Rocker Lug<br>Aluminum<br>NST (NH)<br>Part # | Rocker Lug<br>Brass<br>NST (NH)<br>Part # | Rocker Lug<br>Aluminum<br>NPSH<br>Part # |
|------|--------|--|---|--|
| 1"   | 50'    | <b>A510-50RAF</b>                            | ---                                       | <b>A510-50RAS</b>                        |
|      | 100'   | <b>A510100RAF</b>                            | ---                                       | <b>A510100RAS</b>                        |
| 1½"  | 25'    | <b>A515-25RAF</b>                            | ---                                       | <b>A515-25RAS</b>                        |
|      | 50'    | <b>A515-50RAF</b>                            | <b>A515-50RBF</b>                         | <b>A515-50RAS</b>                        |
|      | 75'    | <b>A515-75RAF</b>                            | ---                                       | <b>A515-75RAS</b>                        |
|      | 100'   | <b>A515100RAF</b>                            | <b>A515100RBF</b>                         | <b>A515100RAS</b>                        |
| 2½"  | 25'    | <b>A525-25RAF</b>                            | ---                                       | <b>A525-25RAS</b>                        |
|      | 50'    | <b>A525-50RAF</b>                            | <b>A525-50RBF</b>                         | <b>A525-50RAS</b>                        |
|      | 75'    | <b>A525-75RAF</b>                            | ---                                       | ---                                      |
|      | 100'   | <b>A525100RAF</b>                            | <b>A525100RBF</b>                         | <b>A525100RAS</b>                        |



## 500# Single Jacket Fire Hose - UL labeled



## Coupled with female and male expansion ring couplings

## Features:

- outer construction: single jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **500 PSI**
- service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**
- Underwriters Listed
- impregnated hose and other lengths threads and configurations are available, contact Dixon®

| Size | Coupling Type    | Length | NST Thread<br>Part # |
|------|------------------|--------|----------------------|
| 1½"  | combo lug, brass | 50'    | <b>A515U50CBF</b>    |
| 2½"  | combo lug, brass | 50     | <b>A525U50CBF</b>    |



## 500# Single Jacket Fire Hose - Color Impregnated



orange



red

**Features:**

- outer construction: single jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **500 PSI**
- service test pressure: **250 PSI**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon® for pricing and availability of other colors, lengths, threads and configurations

**Coupled with female and male expansion ring couplings**

| Size | Coupling Type                  | Length | Color  | Part #             |
|------|--------------------------------|--------|--------|--------------------|
| 1½"  | rocker lug, aluminum, NST (NH) | 50'    | yellow | <b>A515Y50RAF</b>  |
|      | rocker lug, aluminum, NPSH     | 50'    | yellow | <b>A515Y50RAS</b>  |
|      | rocker lug, aluminum, NST (NH) | 50'    | red    | <b>A515R50RAF</b>  |
|      | rocker lug, aluminum, NPSH     | 50'    | red    | <b>A515R50RAS</b>  |
|      | rocker lug, aluminum, NST (NH) | 50'    | orange | <b>A515OR50RAF</b> |
|      | rocker lug, aluminum, NPSH     | 50'    | orange | <b>A515OR50RAS</b> |

## 800# Double Jacket All Polyester Fire Hose

**Features:**

- outer construction: double jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **800 PSI**
- service test pressure: **400 PSI**
- working pressure: **360 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon™ for pricing and availability of 75' lengths and other threads and configurations

**Coupled with female and male expansion ring couplings**

| Size | Length | Rocker Lug<br>Aluminum<br>NST (NH)<br>RAF | Rocker Lug<br>Brass<br>NST (NH)<br>RBF | Rocker Lug<br>Aluminum<br>NPSH<br>RAS |
|------|--------|---|--|---------------------------------------|
| 1½"  | 25'    | <b>D815-25RAF</b>                         | ---                                    | ---                                   |
|      | 50'    | <b>D815-50RAF</b>                         | <b>D815-50RBF</b>                      | <b>D815-50RAS</b>                     |
|      | 100'   | <b>D815100RAF</b>                         | <b>D815100RBF</b>                      | <b>D815100RAS</b>                     |
| 2½"  | 25'    | <b>D825-25RAF</b>                         | ---                                    | ---                                   |
|      | 50'    | <b>D825-50RAF</b>                         | <b>D825-50RBF</b>                      | <b>D825-50RAS</b>                     |
|      | 100'   | <b>D825100RAF</b>                         | <b>D825100RBF</b>                      | <b>D825100RAS</b>                     |

## 800# Double Jacket Fire Hose - Color Impregnated

**Features:**

- outer construction: double jacket, all polyester
- tube construction: black, synthetic rubber liner
- proof pressure: **800 PSI** at **70°F (21°C)**
- service test pressure: **400 PSI** at **70°F (21°C)**
- working pressure: **360 PSI** at **70°F (21°C)**
- other lengths, threads and couplings and colors (yellow, red, blue, tan, orange, green, black) are available, contact Dixon®

**Coupled with female & male expansion ring couplings**

| Size | Thread<br>NH (NST) | Coupling Type                 | Length | Part #             |
|------|--------------------|-------------------------------|--------|--------------------|
| 1½"  | 1½"                | rocker lug, aluminum NST (NH) | 50'    | <b>D815Y50RAF</b>  |
|      |                    | rocker lug, aluminum NST (NH) | 100'   | <b>D815Y100RAF</b> |
|      |                    | rocker lug, aluminum NPSH     | 50'    | <b>D815Y50RAS</b>  |
|      |                    | rocker lug, aluminum NPSH     | 100'   | <b>D815Y100RAS</b> |
| 1¾"  | 1½"                | rocker lug, aluminum NST (NH) | 50'    | <b>D817Y50RAF</b>  |
| 2½"  | 2½"                | rocker lug, aluminum NST (NH) | 50'    | <b>D825Y50RAF</b>  |
|      |                    | rocker lug, aluminum NST (NH) | 100'   | <b>D825Y100RAF</b> |
| 3"   | 2½"                | rocker lug, aluminum NST (NH) | 50'    | <b>D8325Y50RAF</b> |

## MSHA Approved Single Jacket Mine Fire Hose

### Coupled with female and male aluminum rocker lug expansion ring couplings

**Specification:**

- approved by MSHA: Mine Safety and Health Administration for all mine fire protection applications

**Features:**

- outer construction: single jacket, synthetic flame resistant
- tube construction: flame resistant lining
- proof pressure: **500 PSI at 70°F (21°C)**
- service test pressure: **250 PSI at 70°F (21°C)**
- working pressure: **225 PSI at 70°F (21°C)**

| Size | Thread   | Length | Part #             |
|------|----------|--------|--------------------|
| 1½"  | NST (NH) | 50'    | <b>SM515W50RAF</b> |
|      | NPSH     | 50'    | <b>SM515W50RAS</b> |



Fire Fittings &amp; Accessories

## Double Jacket Potable Water Hose - Blue

**Features:**

- Liner is NSF approved for potable water, fittings are not, except for temporary / emergency drinking needs only.
- outer construction: double jacket, all polyester
- tube construction: thermoplastic
- proof pressure: **600 PSI at 70°F (21°C)**
- service test pressure: **300 PSI at 70°F (21°C)**
- working pressure: **270 PSI at 70°F (21°C)**

**Coupled with female and male, brass or aluminum rocker lug, expansion ring couplings**

| Size | Thread   | Length | Brass<br>Expansion Ring Part # | Aluminum<br>Expansion Ring Part # |
|------|----------|--------|--------------------------------|-----------------------------------|
| 1½"  | NPSH     | 50'    | <b>PW615B50RBS</b>             | <b>PW615B50RAS</b>                |
|      | NPSH     | 100'   | <b>PW615B100RBS</b>            | <b>PW615B100RAS</b>               |
|      | NST (NH) | 50'    | <b>PW615B50RBF</b>             | <b>PW615B50RAF</b>                |
|      | NST (NH) | 100'   | <b>PW615B100RBF</b>            | <b>PW615B100RAF</b>               |
| 2½"  | NPSH     | 50'    | <b>PW625B50RBS</b>             | <b>PW625B50RAS</b>                |
|      | NPSH     | 100'   | <b>PW625B100RBS</b>            | <b>PW625B100RAS</b>               |
|      | NST (NH) | 50'    | <b>PW625B50RBF</b>             | <b>PW625B50RAF</b>                |
|      | NST (NH) | 100'   | <b>PW625B100RBF</b>            | <b>PW625B100RAF</b>               |



## 500# All Polyester Rack Hose - UL Labeled

**Application:**

- for pin rack service / emergency fire fighting only, not to be used for washdown

**Features:**

- outer construction: single jacket, all polyester
- tube construction: clear thermoplastic
- proof pressure: **300 PSI at ambient temperature 70°F (21°C)**
- service test pressure: **150 PSI at ambient temperature 70°F (21°C)**
- working pressure: **135 PSI at ambient temperature 70°F (21°C)**
- Underwriters Listed

**Coupled with female and male expansion ring couplings**

| Size | Coupling Type             | Length | Folded<br>Part #     | Coiled<br>Part #   |
|------|---------------------------|--------|----------------------|--------------------|
| 1½"  | combo lug, brass NST (NH) | 50'    | <b>R515U50CBF/F</b>  | <b>R515U50CBF</b>  |
|      | combo lug, brass NST (NH) | 100'   | <b>R515U100CBF/F</b> | <b>R515U100CBF</b> |
|      | combo lug, alum. NST (NH) | 50'    | <b>R515U50RAF/F</b>  | <b>R515U50RAF</b>  |
|      | combo lug, alum. NST (NH) | 100'   | <b>R515U100RAF/F</b> | ---                |





## 500# All Polyester Rack Hose - non-UL Labeled

**Application:**

- for pin rack service / emergency fire fighting only, not to be used for washdown

**Features:**

- outer construction: single jacket, all polyester
- tube construction: clear thermoplastic
- proof pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**

**Coupled with female and male expansion ring couplings**

| Size | Coupling Type             | Length | Folded Part #       | Coiled Part #     |
|------|---------------------------|--------|---------------------|-------------------|
| 1½"  | combo lug, brass NST (NH) | 50'    | <b>R515-50CBF/F</b> | <b>R515-50CBF</b> |
|      | combo lug, brass NST (NH) | 100'   | <b>R515100CBF/F</b> | <b>R515100CBF</b> |
|      | combo lug, alum. NST (NH) | 50'    | <b>R515-50RAF/F</b> | <b>R515-50RAF</b> |
|      | combo lug, alum. NST (NH) | 100'   | <b>R515100RAF/F</b> | <b>R515100RAF</b> |

## 500# Nitrile Covered Fire Hose - Light Duty Red

**Application:**

- ideal for industrial and construction washdown and discharge applications

**Features:**

- outer construction: thin ribbed nitrile
- tube construction: nitrile
- proof pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**
- other colors, threads and configurations are available, consult Dixon®

**Uncoupled**

| Size | Bowl     | Length | Part #            |
|------|----------|--------|-------------------|
| 1½"  | 1-13/16" | 50'    | <b>H515R50UC</b>  |
| 2½"  | 2-13/16" | 50'    | <b>H525R50UC</b>  |
| 1½"  | 1-13/16" | 100'   | <b>H515R100UC</b> |
| 2½"  | 2-13/16" | 100'   | <b>H525R100UC</b> |

**Coupled with female and male expansion ring couplings**

| Size | Length | Rocker Lug Aluminum NST (NH) Part # | Rocker Lug Brass NST (NH) Part # | Rocker Lug Aluminum NPSH Part # |
|------|--------|-------------------------------------|----------------------------------|---------------------------------|
| 1½"  | 50'    | <b>H515R50RAF</b>                   | <b>H515R50RBF</b>                | <b>H515R50RAS</b>               |
| 2½"  | 50'    | <b>H525R50RAF</b>                   | <b>H525R50RBF</b>                | <b>H525R50RAS</b>               |
| 1½"  | 100'   | <b>H515R100RAF</b>                  | ---                              | <b>H515R100RAS</b>              |
| 2½"  | 100'   | <b>H525R100RAF</b>                  | ---                              | ---                             |



## Forestry Non Weeping Fire Hose

### Features:

- outer construction: single jacket, all polyester
- tube construction: thermoplastic
- impregnation: yellow
- proof pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **270 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon® for pricing and availability of 25' lengths, other threads and configurations

### Coupled with female and male expansion ring couplings

| Size | Length | Rocker Lug<br>Aluminum<br>NST (NH)<br>Part # | Rocker Lug<br>Aluminum<br>NPSH<br>Part # |
|------|--------|--|--|
| 1"   | 50'    | <b>NF610Y50RAF</b>                           | <b>NF610Y50RAS</b>                       |
| 1"   | 100'   | <b>NF610Y100RAF</b>                          | <b>NF610Y100RAS</b>                      |
| 1½"  | 50'    | <b>NF615Y50RAF</b>                           | <b>NF615Y50RAS</b>                       |
| 1½"  | 100'   | <b>NF615Y100RAF</b>                          | <b>NF615Y100RAS</b>                      |



## Forestry Mop Up Hose

### Application:

- used on mop-up and low volume hand lines to fill pump cans supplying sprinklers and remote fire line protection

### Features:

- 50' coil diameter is 9"
- outer construction: single jacket, synthetic
- tube construction: thermoplastic
- impregnation: yellow
- proof pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **135 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon™ for pricing and availability of other threads and configurations

### Coupled with female and male brass ferrule type garden hose couplings

| Size | Length | Part #                          |
|------|--------|---------------------------------|
| ¾"   | 50'    | <b>NF307Y50GHT</b>              |
| 1½"  | 50'    | <b>NF615-50RAQT<sup>1</sup></b> |
| 1½"  | 100'   | <b>NF615100RAQT<sup>1</sup></b> |

<sup>1</sup> coupled with quarter turn forestry couplings



## Forestry Mop Up Hose Kit

| Description                          | Part #                 |
|--------------------------------------|------------------------|
| kit contains: hose, pouch and nozzle | <b>NF307Y50GHT-KIT</b> |





## Nitrile Covered Fire Hose - Heavy Duty - Yellow

**Applications:**

- ideal for heavy-duty washdown in refineries and power plants

**Features:**

- extruded interlocking matrix fire hose with 100% synthetic circular woven polyester reinforcement
- heavy ribbed for severe service
- outer construction: thick ribbed nitrile
- tube construction: nitrile
- 25' lengths, other colors, threads and configurations are available, contact Dixon®
- Pressures supplied in the chart below are at ambient temperature **70°F (21°C)**.

| Size    | Proof Pressure<br>PSI | Service Test Pressure<br>PSI | Working Pressure<br>PSI |
|---------|-----------------------|------------------------------|-------------------------|
| 1" - 3" | <b>600</b>            | <b>300</b>                   | <b>270</b>              |
| 4"      | <b>450</b>            | <b>225</b>                   | <b>200</b>              |
| 5"      | <b>400</b>            | <b>200</b>                   | <b>180</b>              |
| 6"      | <b>300</b>            | <b>150</b>                   | <b>135</b>              |

**Uncoupled**

| Size | Bowl     | Length | Part #           |
|------|----------|--------|------------------|
| 1"   | 1-1/4"   | 50'    | <b>H610Y50UC</b> |
| 1½"  | 1-13/16" | 50'    | <b>H615Y50UC</b> |
| 2"   | 2-1/4"   | 50'    | <b>H620Y50UC</b> |
| 2½"  | 2-13/16" | 50'    | <b>H625Y50UC</b> |
| 3"   | 3-3/8"   | 50'    | <b>H630Y50UC</b> |
| 4"   | 4-3/8"   | 50'    | <b>H440Y50UC</b> |
| 5"   | 5-3/8"   | 50'    | <b>H450Y50UC</b> |

**Coupled with female and male expansion ring couplings**

| Size | Length | Rocker Lug<br>Aluminum<br>NST (NH)<br>RAF | Rocker Lug<br>Brass<br>NST (NH)<br>RBF | Pin Lug<br>Brass<br>NST (NH)<br>PBF | Rocker Lug<br>Aluminum<br>NPSH<br>RAS |
|------|--------|---|--|-------------------------------------|---------------------------------------|
| 1"   | 50'    | <b>H610Y50RAF</b>                         | ---                                    | ---                                 | <b>H610Y50RAS</b>                     |
| 1½"  | 50'    | <b>H615Y50RAF</b>                         | <b>H615Y50RBF</b>                      | <b>H615Y50PBF</b>                   | <b>H615Y50RAS</b>                     |
| 2½"  | 50'    | <b>H625Y50RAF</b>                         | <b>H625Y50RBF</b>                      | <b>H625Y50PBF</b>                   | <b>H625Y50RAS</b>                     |

**Coupled with female and male segmented Storz collar style couplings****Features:**

- working pressures can be achieved using appropriate expansion ring couplings
- under no circumstance should the hose be used beyond the working pressure of the fittings to which it is coupled
- assembled hose should be hydrostatically proof tested before use, and thereafter in accordance with NFPA 1962



| Size | Length | Storz Size | Part #            |
|------|--------|------------|-------------------|
| 4"   | 50'    | 4"         | <b>H440Y50SZ</b>  |
| 5"   | 50'    | 5"         | <b>H450Y50SZ</b>  |
| 5"   | 100'   | 5"         | <b>H450Y100SZ</b> |



## Non-collapsible Hose

## Chemical Booster Hose - Red

## Features:

- outer cover material: specially compounded red EPDM tough cover
- inner tube material: smooth black synthetic EPDM rubber
- reinforced with multiple plies of high tensile Aramid yarn providing flexible strength
- ¾" diameter hose is coupled with 1" threaded couplings
- meets and exceeds NFPA standard 1961
- working pressure: **800 PSI**

## Coupled with female and male NST (NH) thread, chromed brass hole type couplings

| Size | Length | Part #              |
|------|--------|---------------------|
| ¾"   | 50'    | <b>80B07-50HCF</b>  |
|      | 100'   | <b>80B07-100HCF</b> |
| 1"   | 50'    | <b>80B10-50HCF</b>  |
|      | 100'   | <b>80B10-100HCF</b> |

## Coupled with female and male NST (NH) thread, hole type coupling, aluminum expansion ring couplings

| Size | Length | Part #              |
|------|--------|---------------------|
| ¾"   | 50'    | <b>80B07-50HAF</b>  |
|      | 100'   | <b>80B07-100HAF</b> |
| 1"   | 50'    | <b>80B10-50HAF</b>  |
|      | 100'   | <b>80B10-100HAF</b> |



## Fire and Utility Hose - Red

## Features:

- outer construction is designed to withstand abrasion
- working pressure: **200 PSI** at ambient temperature **70°F (21°C)**
- burst pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon® for pricing and availability of other lengths, threads and configurations
- also available with chrome brass fittings

## Coupled with female and male NST (NH) thread, rocker lug, brass expansion ring couplings

| Size | Length | Part #              |
|------|--------|---------------------|
| 1½"  | 50'    | <b>15B15-50RBF</b>  |
|      | 100'   | <b>15B15-100RBF</b> |



## Coupled with female and male NST (NH) thread, rocker lug, aluminum expansion ring couplings

| Size | Length | Part #              |
|------|--------|---------------------|
| 1½"  | 50'    | <b>15B15-50RAF</b>  |
|      | 100'   | <b>15B15-100RAF</b> |



## Coupled with female and male NPSH thread, rocker lug, aluminum expansion ring couplings

| Size | Length | Part #              |
|------|--------|---------------------|
| 1½"  | 50'    | <b>15B15-50RAS</b>  |
|      | 100'   | <b>15B15-100RAS</b> |



## Expansion Ring Couplings

## Features:

- shipped complete with expansion rings, swivel and tail washers
- aluminum expansion ring couplings have 3 rocker lugs on the male and female

## For Single Jacket Hose - Aluminum

| Size | Thread   | Bowl     | Aluminum Part #             |
|------|----------|----------|-----------------------------|
| 1"   | NPSH     | 1¼"      | <b>S10125</b>               |
| 1½"  | NPSH     | 1¾"      | <b>S16175</b>               |
| 1½"  | NPSH     | 1-11/16" | <b>S16168</b>               |
| 1½"  | NPSH     | 1-13/16" | <b>S16181</b>               |
| 2"   | NPSH     | 2¼"      | <b>S20225</b>               |
| 2½"  | NPSH     | 2-13/16" | <b>S26281</b>               |
| 1½"  | NST (NH) | 1-11/16" | <b>S16168F</b>              |
| 1½"  | NST (NH) | 1¾"      | <b>S16175F</b>              |
| 1½"  | NST (NH) | 1-13/16" | <b>S16181F</b>              |
| 2½"  | NST (NH) | 2-11/16" | <b>S26268F</b>              |
| 2½"  | NST (NH) | 2-13/16" | <b>S26281F</b>              |
| 1½"  | MNPT     | 1-11/16" | <b>MS16168T<sup>1</sup></b> |
| 1½"  | MNPT     | 1¾"      | <b>MS16175T<sup>1</sup></b> |
| 2"   | MNPT     | 2-1/4"   | <b>MS20225T<sup>1</sup></b> |
| 2½"  | MNPT     | 2-11/16" | <b>MS26268T<sup>1</sup></b> |

<sup>1</sup> male fitting only

## For Single Jacket Hose - Brass

| Size | Thread   | Bowl     | Brass Part #    |
|------|----------|----------|-----------------|
| 1½"  | NPSH     | 1-3/4"   | <b>RS15175</b>  |
| 1½"  | NPSH     | 1-13/16" | <b>RS15181</b>  |
| 2½"  | NPSH     | 2-13/16" | <b>RS25281</b>  |
| 1½"  | NST (NH) | 1-3/4"   | <b>RS15175F</b> |
| 1½"  | NST (NH) | 1-13/16" | <b>RS15181F</b> |
| 2½"  | NST (NH) | 2-13/16" | <b>RS25281F</b> |

## Expansion Ring Couplings

## For Double Jacket Hose - Aluminum

| Size | Thread   | Bowl     | Aluminum Part #             |
|------|----------|----------|-----------------------------|
| 1½"  | NPSH     | 1-13/16" | <b>D16181</b>               |
| 1½"  | NPSH     | 1-15/16" | <b>D16193</b>               |
| 1½"  | NPSH     | 2-1/16"  | <b>D16206</b>               |
| 2"   | NPSH     | 2-5/16"  | <b>D20231</b>               |
| 2½"  | NPSH     | 3"       | <b>D263</b>                 |
| 1½"  | NST (NH) | 1-13/16" | <b>D16181F</b>              |
| 1½"  | NST (NH) | 1-15/16" | <b>D16193F</b>              |
| 1½"  | NST (NH) | 2-1/16"  | <b>D16206F</b>              |
| 2½"  | NST (NH) | 2-7/8"   | <b>D26287F</b>              |
| 2½"  | NST (NH) | 3"       | <b>D263F</b>                |
| 1½"  | MNPT     | 1-13/16" | <b>MD16181T<sup>1</sup></b> |
| 2"   | MNPT     | 2-5/16"  | <b>MD20231T<sup>1</sup></b> |
| 2½"  | MNPT     | 2-7/8"   | <b>MD26287T<sup>1</sup></b> |

<sup>1</sup> male fitting only

## For Double Jacket Hose - Brass

| Size | Thread   | Bowl     | Brass Part #    |
|------|----------|----------|-----------------|
| 1½"  | NPSH     | 1-15/16" | <b>RD15193</b>  |
| 1½"  | NST (NH) | 1-15/16" | <b>RD15193F</b> |

## Expansion Rings

- used with the fire hose couplings listed on page 740

| OD     | Length | Wall Thickness | 85/15 red brass<br>Part # |
|--------|--------|----------------|---------------------------|
| 1"     | 1 1/4" | .05            | <b>ER10125</b>            |
| 1 1/2" | 3/4"   | .05            | <b>ER1575</b>             |
| 1 1/2" | 7/8"   | .05            | <b>ER1587</b>             |
| 1 1/2" | 1"     | .05            | <b>ER1510</b>             |
| 1 1/2" | 1 1/4" | .05            | <b>ER15125</b>            |
| 1 3/4" | 1 1/4" | .05            | <b>ER17125</b>            |
| 2 1/2" | 1 1/4" | .062           | <b>ER27125</b>            |
| 2 1/2" | 1 1/2" | .062           | <b>ER27150</b>            |
| 3"     | 2"     | .07            | <b>ER3020</b>             |



## Swivel Washers

- used on the swivel end of the fire hose couplings listed on page 740

| ID      | OD      | Thickness | Buna-N<br>Part # |
|---------|---------|-----------|------------------|
| 1-1/16" | 1-7/16" | 1/8"      | <b>SW100F</b>    |
| 1-9/16" | 2-1/16" | 1/8"      | <b>SW150</b>     |
| 2-1/16" | 2 1/2"  | 1/8"      | <b>SW200</b>     |
| 2-9/16" | 3-3/16" | 3/16"     | <b>SW250</b>     |
| 3-1/16" | 3-3/4"  | 1/4"      | <b>SW300F</b>    |
| 4-1/16" | 5-1/8"  | 1/4"      | <b>SW400F</b>    |
| 4-9/16" | 5-7/8"  | 1/4"      | <b>SW450F</b>    |
| 5-1/16" | 6-3/8"  | 1/4"      | <b>SW500F</b>    |
| 6-1/16" | 7-1/8"  | 1/4"      | <b>SW600F</b>    |



## Tail Washers

- used on the tail end of the fire hose couplings listed on page 740

| ID      | OD       | Thickness | Buna-N<br>Part # |
|---------|----------|-----------|------------------|
| 1-1/32" | 1-5/16"  | 3/16"     | <b>STW100</b>    |
| 1-9/16" | 1 3/4"   | 3/16"     | <b>RTW150</b>    |
| 1-9/16" | 1-15/16" | 3/16"     | <b>STW150</b>    |
| 1-5/8"  | 2 1/8"   | 3/16"     | <b>DTW150</b>    |
| 2-9/16" | 3"       | 1/4"      | <b>STW250</b>    |
| 2-5/8"  | 3 1/4"   | 1/4"      | <b>DTW250</b>    |
| 3 1/8"  | 3-25/32" | 1/4"      | <b>DTW300</b>    |



## Expansion Ring and Gasket Guide

Fire Fittings &amp; Accessories

| Coupling Part #                | Swivel Washer Part # | Tail Washer Part # | Expansion Ring Part # |
|--------------------------------|----------------------|--------------------|-----------------------|
| <i>D15193 &amp; D15193F</i>    | <i>SW150</i>         | <i>DTW150</i>      | <i>ER15125</i>        |
| <i>D15206F</i>                 | <i>SW150</i>         | <i>G12014</i>      | <i>ER15125</i>        |
| <i>D16187 &amp; D16187F</i>    | <i>SW150</i>         | <i>DTW150</i>      | <i>ER15125</i>        |
| <i>D16193 &amp; D16193F</i>    | <i>SW150</i>         | <i>DTW150</i>      | <i>ER15125</i>        |
| <i>D16206 &amp; D16206F</i>    | <i>SW150</i>         | <i>G12014</i>      | <i>ER15125</i>        |
| <i>D253 &amp; D253F</i>        | <i>SW250</i>         | <i>DTW250</i>      | <i>ER27150</i>        |
| <i>D26287F</i>                 | <i>SW250</i>         | <i>DTW250</i>      | <i>ER27150</i>        |
| <i>D263 &amp; D263F</i>        | <i>SW250</i>         | <i>DTW250</i>      | <i>ER27150</i>        |
| <i>MD16181T</i>                | n/a                  | <i>STW150</i>      | <i>ER15125</i>        |
| <i>MD20231T</i>                | n/a                  | special            | special               |
| <i>MD26287T</i>                | n/a                  | <i>DTW250</i>      | <i>ER27150</i>        |
| <i>MS16168T</i>                | n/a                  | <i>STW150</i>      | <i>ER15125</i>        |
| <i>MS16175T</i>                | n/a                  | <i>STW150</i>      | <i>ER15125</i>        |
| <i>MS20225T</i>                | n/a                  | special            | special               |
| <i>MS26268T</i>                | n/a                  | <i>STW250</i>      | <i>ER27150</i>        |
| <i>RD15193 &amp; RD15193F</i>  | <i>SW150</i>         | <i>DTW150</i>      | <i>ER15125</i>        |
| <i>RD15206 &amp; RD15206F</i>  | <i>SW150</i>         | <i>G12014</i>      | <i>ER15125</i>        |
| <i>RD253 &amp; RD253F</i>      | <i>SW250</i>         | <i>DTW250</i>      | <i>ER27150</i>        |
| <i>RH15168 &amp; RH15168F</i>  | <i>SW150</i>         | <i>RTW150</i>      | <i>ER1575</i>         |
| <i>RH16168F &amp; RH16168F</i> | <i>SW150</i>         | <i>RTW150</i>      | <i>ER1575</i>         |
| <i>RS15175 &amp; RS15175F</i>  | <i>SW150</i>         | <i>STW150</i>      | <i>ER15125</i>        |
| <i>RS15181 &amp; RS15181F</i>  | <i>SW150</i>         | <i>STW150</i>      | <i>ER1510</i>         |
| <i>RS25281 &amp; RS25281F</i>  | <i>SW250</i>         | <i>STW250</i>      | <i>ER27125</i>        |
| <i>RS25287</i>                 | <i>SW250</i>         | <i>STW250</i>      | <i>ER27150</i>        |
| <i>S15175 &amp; S15175F</i>    | <i>SW150</i>         | <i>RTW150</i>      | <i>ER15125</i>        |
| <i>S15181 &amp; S15181F</i>    | <i>SW150</i>         | <i>RTW150</i>      | <i>ER1510</i>         |
| <i>S16168 &amp; S16168F</i>    | <i>SW150</i>         | <i>STW150</i>      | <i>ER15125</i>        |
| <i>S16175 &amp; S16175F</i>    | <i>SW150</i>         | <i>STW150</i>      | <i>ER15125</i>        |
| <i>S16181 &amp; S16181F</i>    | <i>SW150</i>         | <i>STW150</i>      | <i>ER15125</i>        |
| <i>S25281 &amp; S25281F</i>    | <i>SW250</i>         | <i>STW250</i>      | <i>ER27125</i>        |
| <i>S25287 &amp; S25287F</i>    | <i>SW250</i>         | <i>STW250</i>      | <i>ER27150</i>        |
| <i>S26268 &amp; S26268F</i>    | <i>SW250</i>         | <i>STW250</i>      | <i>ER27150</i>        |
| <i>S26275 &amp; S26275F</i>    | <i>SW250</i>         | <i>STW250</i>      | <i>ER27150</i>        |
| <i>S26281 &amp; S26281F</i>    | <i>SW250</i>         | <i>STW250</i>      | <i>ER27150</i>        |

## Hose Type Booster Hose Couplings

## Features:

- special tooling is required to attach these couplings to hose
- hardcoat finish
- complete set
- working pressure: **800 PSI** at ambient temperature **70°F (21°C)**
- ¾" and 1" NST threads are the same size; also known as **Chemical Hose Thread (CHT)** or **Booster Hose Thread**

| Hose Size | Thread Type | Bowl Size | Aluminum Hardcoat Part # |
|-----------|-------------|-----------|--------------------------|
| ¾"        | 1" NPSH     | 1-1/4"    | <b>ABH08125</b>          |
| 1"        | 1" NST (NH) | 1-7/16"   | <b>ABH10143F</b>         |
| 1"        | 1" NST (NH) | 1-1/2"    | <b>ABH10150F</b>         |



## Forged Forestry Couplings

## Features:

- maximum operating pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- common quarter turn sexless head (a 1½" QT fitting will mate with a ¾" QT or 1" QT)

## ¼ Turn Male

| Thread       | Forged Aluminum Part # |
|--------------|------------------------|
| ¾" GHT       | <b>QTM75GHT-F</b>      |
| 1" NPSH      | <b>QTM100S-F</b>       |
| 1" NPT       | <b>QTM100T-F</b>       |
| 1½" NST (NH) | <b>QTM150F-F</b>       |
| 1½" NPT      | <b>QTM150T-F</b>       |



## ¼ Turn Female

| Thread       | Forged Aluminum Part # |
|--------------|------------------------|
| ¾" GHT       | <b>QTF75GHT-F</b>      |
| 1" NPSH      | <b>QTF100S-F</b>       |
| 1" NPT       | <b>QTF100T-F</b>       |
| 1½" NST (NH) | <b>QTF150F-F</b>       |
| 1½" NPT      | <b>QTF150T-F</b>       |



## Forestry Coupling Gasket

| Part #       |
|--------------|
| <b>QTG-F</b> |



## Quick Connect Forestry Expansion Ring Couplings

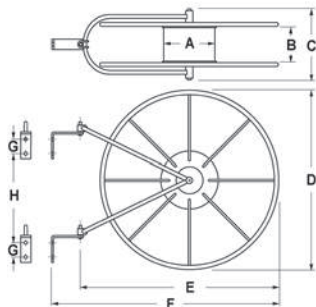
- sold in sets of (2) with expansion ring

| Hose Size | Bowl Size | Forged Aluminum Part # |
|-----------|-----------|------------------------|
| 1½"       | 1-11/16"  | <b>QTX150-F</b>        |





## Style V Swing Type Hose Storage Reels

**Features:**

- drum storage of collapsible hose prevents damaging kinks allowing longer hose life
- pivot mounting permits reel to swing to the proper angle preventing twists and kinks
- open sides allow faster hose drying, to prevent mold and mildew
- red polyester powder coat finish
- wall mounting is standard, 2 wall mounting brackets included
- style V5 (when used with 1½" hose only), has a space between the reel sides to accommodate two widths of hose side by side, for maximum capacity in minimum space
- replacement brackets - **1212-0930-4**, 2 per set

| Size      | Hose Capacity |        |        | A  | B   | C   | D   | E   | F   | G  | H    | Steel Part #  |
|-----------|---------------|--------|--------|----|-----|-----|-----|-----|-----|----|------|---------------|
|           | Rack          | Single | Double |    |     |     |     |     |     |    |      |               |
| 1½" - 1¾" | 100'          | 75'    | 50'    | 8" | 3"  | 7½" | 21" | 23" | 27" | 2" | 11⅝" | <b>FHR-V1</b> |
| 1½" - 1¾" | 150'          | 100'   | 75'    | 8" | 3"  | 7½" | 26" | 29" | 33" | 2" | 15"  | <b>FHR-V2</b> |
| 1½"       | 300'          | 200'   | 150'   | 8" | 5½" | 9½" | 26" | 30" | 34" | 2" | 13"  | <b>FHR-V5</b> |
| 2" - 2½"  | 150'          | 100'   | 75'    | 8" | 5½" | 9½" | 26" | 30" | 34" | 2" | 13"  | <b>FHR-V5</b> |

**Covers for Style V Swing Type Hose Storage Reels****Features:**

- Velcro™ closures
- printed on both sides



| Cover for | Dimensions | Vinyl Coated Nylon Part # |
|-----------|------------|---------------------------|
| FHR-V2    | 26"        | <b>FHR-C</b>              |
| FHR-V1    | 21"        | <b>FHR-C1</b>             |
| FHR-V5    | 26"        | <b>HSRC26</b>             |

## Swing Type Hose Storage Reels

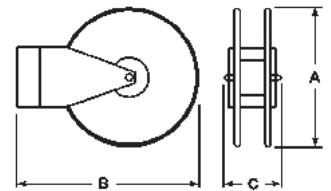
### Features:

- one piece wall bracket (14 gauge), for easier mounting
- 180° swing will also take pipe clamps to 3"
- compact size - smaller reel hub to allow more hose storage
- baked red enamel finish
- 14 gauge steel support arms
- welded construction - rim (18 gauge) hub cap, welded spokes form solid wheels, separated by a molded poly hub and bolted together to form a sturdy unit
- hose is double rolled from the center of length coupled to valve and nozzle
- hose is ready for action when completely removed and valve is open

| Hose Size | Hose Capacity |              | Steel Part #    |
|-----------|---------------|--------------|-----------------|
|           | Lightweight   | Rubber Lined |                 |
| 1½"       | 150'          | 50' - 75'    | <b>HSR18</b>    |
|           | 250'          | 100'         | <b>HSR24</b>    |
| 2½"       | 100'          | 100'         | <b>HSR25-24</b> |

### Dimensions

| Cover for | A   | B    | C   |
|-----------|-----|------|-----|
| HSR18     | 18" | 23½" | 6¼" |
| HSR24     | 24" | 29"  | 6¼" |
| HSR25-24  | 24" | 29"  | 8¼" |



### Covers for Swing Type Hose Reels

### Features:

- to be used with hose storage reels, bright red fabric reinforced PVC with Velcro™ closures for quick release
- "Fire Hose / Keep Clear" printed on one side

| Cover for | Dimensions | Vinyl Part #     |
|-----------|------------|------------------|
| HSR18     | 16" - 18"  | <b>HSRC18</b>    |
| HSR24     | 24"        | <b>HSRC24</b>    |
| HSR25-24  | 24" - 25"  | <b>HSRC25-24</b> |



## Heavy Duty, High Capacity Swing Type Hose Storage Reel

### Features:

- welded steel wall bracket swings 180°
- wall bracket adapts to pipes (1½" - 3") with an optional pipe bracket kit
- red baked enamel finish
- supplied with hook-and-loop back strap to keep hose securely wound

| Size | Hose Capacity |               | 16-gauge steel Part # |
|------|---------------|---------------|-----------------------|
|      | Single Jacket | Double Jacket |                       |
| 1½"  | 200'          | 150'          | <b>DXHDR25HC</b>      |
| 2½"  | 100'          | 75'           |                       |



### Cover for Heavy Duty Swing Type Hose Storage Reel

### Features:

- to be used with hose storage reels
- "Fire Hose / Keep Clear" printed on one side

| Cover for | Dimensions            | Vinyl Part #     |
|-----------|-----------------------|------------------|
| DXHDR25HC | l: 26", h: 25", w: 8" | <b>DXHDC25HC</b> |

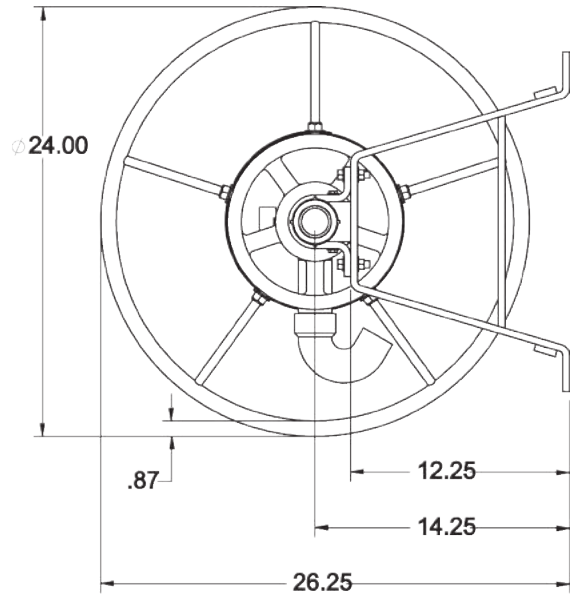
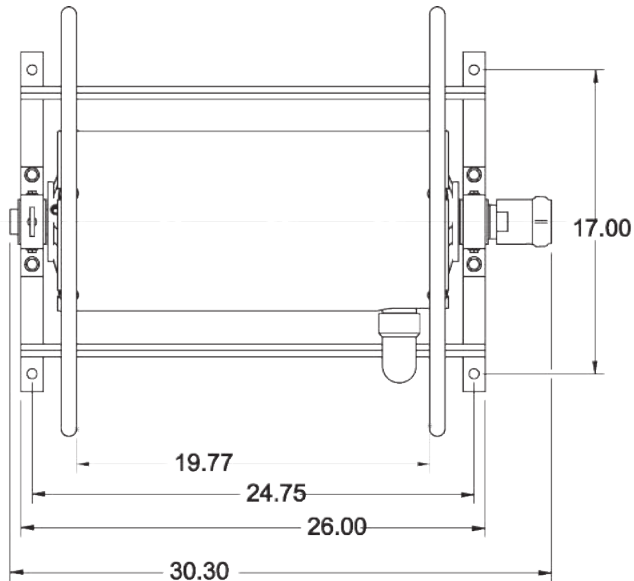


### Pipe Brackets for Heavy Duty Swing Type Hose Storage Reel

| Description      | Vinyl Part #     |
|------------------|------------------|
| pipe bracket set | <b>DXHDR25PB</b> |



## Global Continuous Flow Reels



### Features:

- greaseless swivel and reel bearings improve performance
- optional adapters (order separately):  
FM15S15F = 1½" FNPSH x 1½" MNST brass  
FM1515F = 1½" FNPT x 1½" MNST brass
- replacement inlet swivel joints at bottom of page

| Hose Size and Capacity |      |      | Inlet Size | Outlet Size | Steel Part #          |
|------------------------|------|------|------------|-------------|-----------------------|
| ¾"                     | 1"   | 1½"  | 1½" NPT    | 1½" NPT     | <b>FD47IR-150-100</b> |
| 250'                   | 150' | 100' |            |             |                       |

### Cover for Global Continuous Flow Hose Reel



| Cover for      | Dimensions      | Vinyl Part #   |
|----------------|-----------------|----------------|
| FD47IR-150-100 | 22" x 24" x 24" | <b>FD47-C2</b> |

### Replacement Inlet Swivel Joint for FD47I-150-100



### Features:


- ball-bearing swivel
- requires no lubrication
- **200 PSI**

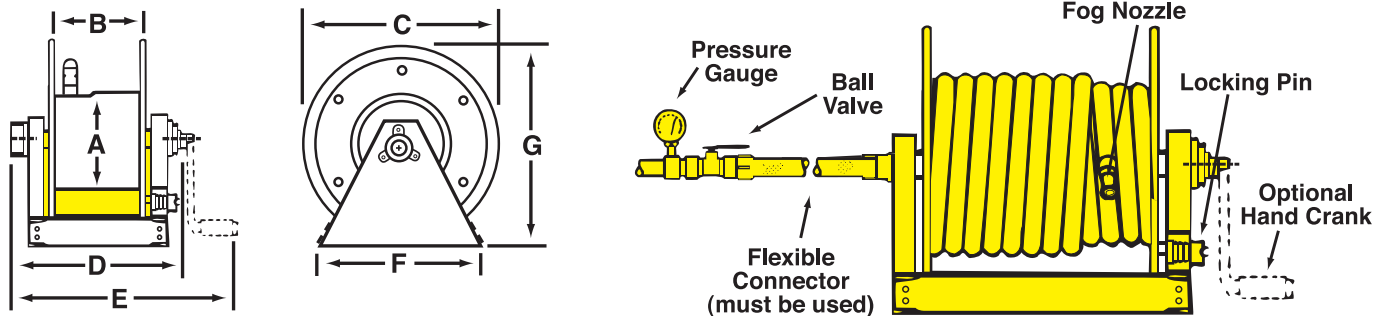
| Size | Cast Brass Part # |
|------|-------------------|
| 1½"  | <b>CSSF150T</b>   |

## Continuous Flow Reels

**Features:**

- allows immediate and continuous flow of water at all times during deployment of hose
- one-person operation
- use with non-collapsible hose shown on page 749
- powder coated with an electrostatically-applied, thermally-fused, red polyester finish steel drum
- rims and universal mounting stand
- female NPT inlet with male NST (NH) hose thread outlet

A flexible connector assembly must be installed directly between the hose reel inlet hub and the water supply. *Failure to use the flexible connector assembly will void the warranty.* 



| Hose Size and Capacity |      |        | A       | B       | C   | D       | E       | F       | G   | Inlet Size | Outlet Size | Steel Part #         |
|------------------------|------|--------|---------|---------|-----|---------|---------|---------|-----|------------|-------------|----------------------|
| 3/4"                   | 1"   | 1 1/2" |         |         |     |         |         |         |     |            |             |                      |
| 150'                   | 125' | ---    | 10 1/2" | 11 1/2" | 24" | 19 1/4" | 24"     | 21 3/4" | 26" | 1"         | 1"          | <b>CFR47-1-100</b>   |
| 250'                   | 150' | 100'   | 10 1/2" | 20 1/2" | 24" | 28 1/4" | 33"     | 21 3/4" | 26" | 1 1/2"     | 1 1/2"      | <b>CFR47-150-100</b> |
| 400'                   | 300' | 150'   | 10 1/2" | 28"     | 24" | 35 3/4" | 40 1/2" | 21 3/4" | 26" | 1 1/2"     | 1 1/2"      | <b>CFR47-1-200</b>   |
| ---                    | ---  | 200'   | 10 1/2" | 34"     | 24" | 41 3/4" | 46 1/2" | 21 3/4" | 26" | 1 1/2"     | 1 1/2"      | <b>CFR47-150-200</b> |

**Optional Accessories**

| Description   | Part #        |
|---|---------------|
| 1" x 18" flexible connector (male NPT x male NPT)   | <b>DX2836</b> |
| 1 1/2" x 18" flexible connector (male NPT x male NPT)   | <b>DX2839</b> |
| hand crank  | <b>CFR-HC</b> |
| repair kit: contains O-ring, PTFE retaining ring for the inlet casting, spacer washer, and 2 steel retaining rings for the manifold | <b>CFR-RK</b> |

**Covers for Continuous Flow Hose Reels**

| Cover for     | Dimensions<br>H x W x D | Vinyl<br>Part # |
|---------------|-------------------------|-----------------|
| CFR47-1-100   | 26" x 20" x 26"         | <b>CFR47-C1</b> |
| CFR47-1-200   | 26" x 36" x 26"         | <b>CFR47-C2</b> |
| CFR47-150-100 | 26" x 29" x 26"         | <b>CFR47-C3</b> |
| CFR47-150-200 | 26" x 42" x 26"         | <b>CFR47-C4</b> |



## Hump Racks

## Features:

- compact, neat and economical method of storing collapsible hose
- pivot mounting permits rack to swing, preventing kinks and twists
- rugged steel construction provides long, dependable service
- red enamel finish for protection
- open sides allow faster drying to prevent mold and mildew
- wall mounting brackets are standard



| Hose Size | Hose Capacity |               |               | Steel Part #  |
|-----------|---------------|---------------|---------------|---------------|
|           | Synthetic     | Single Jacket | Double Jacket |               |
| 1½" - 1¾" | 100'          | 50'           | ---           | <b>FHHR-1</b> |
| 1½" - 1¾" | 150'          | 100'          | 50'           | <b>FHHR-3</b> |
| 2" - 2½"  | 100'          | 50'           | ---           | <b>FHHR-2</b> |
| 2" - 2½"  | 150'          | 100'          | 50'           | <b>FHHR-4</b> |
| 1½" - 1¾" | 200'          | 150'          | 100'          | <b>FHHR-5</b> |

## Covers for Hump Racks



| Cover for        | Dimensions       | Vinyl Part #   |
|------------------|------------------|----------------|
| FHHR-1 or FHHR-2 | 16" x 25½" x 6"  | <b>FHHR-C</b>  |
| FHHR-3 or FHHR-4 | 24" x 29½" x 6"  | <b>FHHR-C4</b> |
| FHHR-5           | 33½" x 35½" x 6" | <b>FHHR-C5</b> |

## Hose Racks

## Features:

- can be used for fire or water hose
- constructed from 12 gauge sheet steel
- provides compact and economical hose storage
- curved saddle design avoids sharp bends in the hose prolonging hose life
- red enamel finish



| Hose Size | Rack | Hose Capacity |               | Steel Part #    |
|-----------|------|---------------|---------------|-----------------|
|           |      | Single Jacket | Double Jacket |                 |
| 1½" - 1¾" | 50'  | ---           | ---           | <b>HR1610-3</b> |
| 1½" - 1¾" | 100' | ---           | ---           | <b>HR1610-6</b> |
| 1½" - 2½" | 200' | 150'          | 100'          | <b>HR1610</b>   |
| 2" - 2½"  | 50'  | ---           | ---           | <b>HR1610-4</b> |

## Pin Rack Hose Assembly

**Features:**

- components include: rack nipple, UL **300 PSI** angle valve, semi-automatic fire hose pin rack, brass rack nozzle, and a length of 1½" pin rack hose
- UL listed and Factory Mutual approved
- per NFPA 1962, Chap. 4, in-service hose shall be un-racked and physically inspected at least annually



| NST (NH) Thread | Hose | Part #                |
|-----------------|------|-----------------------|
| 1½"             | 50'  | <b>FHPR150-50CBF</b>  |
|                 | 75'  | <b>FHPR150-75CBF</b>  |
|                 | 100' | <b>FHPR150-100CBF</b> |



Fire Fittings &amp; Accessories

## Semi Automatic Fire Hose Pin Racks

**Features:**

- red enameled steel
- holds up to 100' of either 1½" or 2½" rack hose
- 1½" is UL listed and Factory Mutual approved

| Hose Size | For use with: |         | Steel<br>Part # |
|-----------|---------------|---------|-----------------|
|           | Valve         | Nipple  |                 |
| 1½"       | AVF150        | PRN150F | <b>FHPR150</b>  |
| 2½"       | AVF250        | PRN250F | <b>FHPR2515</b> |



## Covers for Pin Racks

**Features:**

- 10 oz. red vinyl with Velcro™ closures
- used on FHPR150, FHPR150-50CBF, FHPR150-75CBF, FHPR150-100CBF

| Size           | Vinyl<br>Part # |
|----------------|-----------------|
| 25" x 30" x 6" | <b>PRC</b>      |



## Pin Rack Nipples

**Feature:**

- finish: -C polished chrome plated

| Male NPT | Male NST (NH) | Brass<br>Part # |
|----------|---------------|-----------------|
| 1½"      | 1½"           | <b>PRN150F</b>  |
| 2½"      | 2½"           | <b>PRN250F</b>  |



## Pin Rack Wall Bracket

**Application:**

- used to support hose rack independent of a stand pipe valve

| Aluminum<br>Part # |
|--------------------|
| <b>PRWB</b>        |







## Steel Hose Cabinet



## Features:

- red polyester coated finish on 18-gauge steel
- designed for wall installation, with or without legs, or free standing
- supplied with holes in the back for wall mounting and 1" pipe couplings on the bottom for adding legs
- Factory Mutual approved
- hose, accessories and mounting hardware not included
- furnished without legs, if legs required contact Dixon®

Steel

Part #

**HC30143**

## Dimensions

| width | depth | height |
|-------|-------|--------|
| 60"   | 15"   | 48"    |

## Basic Approved Equipment for Hose Cabinet

| Examples                       |                              |                         | Quantity Required |          |     |
|--------------------------------|------------------------------|-------------------------|-------------------|----------|-----|
| Part #                         | Description                  | Page #                  | Factory Mutual    | UL & FIA | ISO |
| <b>A525-50RAF</b> <sup>1</sup> | 2½" x 50' single jacket hose | 733                     | 4                 | 5        | 5   |
| <b>A515-50RAF</b> <sup>1</sup> | 1½" x 50' single jacket hose | 733                     | 2                 | 0        | 0   |
| <b>UPP250F</b> <sup>1</sup>    | Underwriters play pipe       | 750                     | 0                 | 2        | 2   |
| <b>BFN250NST</b> <sup>1</sup>  | 2½" adjustable fog nozzle    | 752                     | 2                 | 0        | 0   |
| <b>BFN150NST</b> <sup>1</sup>  | 1½" adjustable fog nozzle    | 752                     | 1                 | 0        | 0   |
| <b>HA2515F</b> <sup>1</sup>    | 2½" x 1½" pin lug adapter    | 771                     | 1                 | 0        | 0   |
| <b>233</b>                     | universal spanner            | 799                     | 4                 | 5        | 5   |
| <b>189</b>                     | adjustable hydrant wrench    | 800                     | 2                 | 2        | 2   |
| <b>PHFA6</b>                   | 6 lb. fire axe               | 820                     | 0                 | 1        | 1   |
| <b>FCB48</b>                   | crowbar                      | ---                     | 0                 | 1        | 1   |
| <b>SW150</b> <sup>1</sup>      | 1½" hose coupling gasket     | 741, 742, 754, 785      | 4                 | 5        | 5   |
| <b>SW250</b> <sup>1</sup>      | 2½" hose coupling gasket     | 741, 742, 754, 785, 792 | 2                 | 0        | 0   |

<sup>1</sup> threads must be appropriate to the authority having jurisdiction

## Fire Jacket for Hose

**Application:**

- used to protect hose and hose assemblies, tubing, piping, wiring and cables from high temperatures, direct flame or molten splash

**Features:**

- helps maintain line temperature and reduce environmental overheating and overcooling
- meets flammability requirements of UL 94 HB & UL 94 V-0
- sleeving slides easily over hose and expands to go over fittings
- resistant to hydraulic fluids and lubricating oil
- iron oxide red color
- compounded silicone rubber coating over fiberglass
- completely non-asbestos, REACH - ROHS compliant
- supplied in 50' lengths
- temperature range: **-65°F to 500°F (-54°C to 260°C)**
- Made in USA

| Nominal ID | Part #          |
|------------|-----------------|
| 1/4"       | <b>0610-4</b>   |
| 3/8"       | <b>1010-6</b>   |
| 1/2"       | <b>1310-8</b>   |
| 5/8"       | <b>1610-10</b>  |
| 3/4"       | <b>1910-12</b>  |
| 7/8"       | <b>2210-14</b>  |
| 1"         | <b>2510-16</b>  |
| 1 1/4"     | <b>3210-20</b>  |
| 1 1/2"     | <b>3810-24</b>  |
| 1 3/4"     | <b>4510-28</b>  |
| 2"         | <b>5110-32</b>  |
| 2 1/2"     | <b>6410-40</b>  |
| 3"         | <b>7610-48</b>  |
| 4"         | <b>10210-64</b> |



## Fire Jacket Tape

**Application:**

- used to seal the ends of fire jackets to prevent fraying and fluid wicking

**Features:**

- completely non-asbestos
- iron oxide red color
- temperature range: **-45°F to 380°F (-45°C to 200°C)**
- Made in USA

| Size | Length   | Silicone Rubber<br>Part # |
|------|----------|---------------------------|
| 1"   | 12 yards | <b>FTH100</b>             |



## Non Adhesive Fire Tape

**Features:**

- fiberglass coated silicone rubber
- fluid resistant to hydraulic fluids and lubricating oils
- should be installed in a spiral wrap utilizing 30% to 50% overlap
- iron oxide red color
- temperature range: **-65°F to 500°F (-54°C to 260°C)**
- Made in USA

| Width | Length | Fiberglass Coated Silicone Rubber<br>Part # |
|-------|--------|---|
| 3"    | 50'    | <b>4055-3</b>                               |





## Industrial Fog Nozzles

## Features:

- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- UL listed and Factory Mutual approved for class A and B fires (except noted <sup>1,2</sup>)
- supplied with bumper



| Size | Thread   | 90° Spray GPM @ 100 PSI | Brass Part #                  |
|------|----------|-------------------------|-------------------------------|
| ¾"   | GHT      | ---                     | <b>BFN75GHT</b> <sup>1</sup>  |
| ¾"   | NPSH     | ---                     | <b>BFN75</b>                  |
| 1"   | NPSH     | <b>32</b>               | <b>BFN100</b>                 |
| 1½"  | NPSH     | <b>85</b>               | <b>BFN150</b>                 |
| 2"   | NPSH     | <b>108</b>              | <b>BFN200</b> <sup>1,2</sup>  |
| 1"   | NST (NH) | <b>32</b>               | <b>BFN100NST</b>              |
| 1½"  | NST (NH) | <b>85</b>               | <b>BFN150NST</b>              |
| 2½"  | NST (NH) | <b>205</b>              | <b>BFN250NST</b> <sup>2</sup> |

<sup>1</sup> not UL Listed<sup>2</sup> not Factory Mutual approved

- replacement washers can be found on page 741



## Heavy Duty Industrial Fog Nozzles

## Features:

- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- UL listed and Factory Mutual approved
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- supplied with bumper



| Size | Thread   | 90° Spray GPM @ 100 PSI | Brass Part #      |
|------|----------|-------------------------|-------------------|
| 1"   | NPSH     | ---                     | <b>HFN100</b>     |
| 1½"  | NPSH     | <b>88 (+/-12)</b>       | <b>HFN150</b>     |
| 1"   | NST (NH) | ---                     | <b>HFN100NST</b>  |
| 1½"  | NST (NH) | <b>88 (+/-12)</b>       | <b>HFN150NST</b>  |
| 1½"  | NYFD     | ---                     | <b>HFN150NYFD</b> |

- replacement washers can be found on page 741, flow rate chart on following page 753



## High Pressure Industrial Fog Nozzles

## Features:

- working pressure: **25 to 300 PSI** (water only) at **70°F (21°C)**
- combination straight stream and fog - shut-off - straight stream - fog
- Factory Mutual approved
- large one-piece rubber bumper with molded teeth
- knurled base




| Size | Thread   | 90° Spray GPM @ 100 PSI | Brass Part #      |
|------|----------|-------------------------|-------------------|
| 1½"  | NPSH     | <b>117</b>              | <b>HPFN150</b>    |
|      | NST (NH) | <b>117</b>              | <b>HPFN150NST</b> |

- replacement washers can be found on page 741, flow rate chart on following page 753



## Electrical Fire All-Fog Nozzles

## Features:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shutoff to 30° fog, adjustable to 90° fog
- UL listed and Factory Mutual approved for class C fires
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- supplied with bumper
- Use of this nozzle is not likely to prove hazardous when nozzle is held in excess of 10 feet from electrical apparatus and circuits not involving more than 250,000 volts. 



| Size | Thread   | Wide Open GPM @ 100 PSI | Brass Part #      |
|------|----------|-------------------------|-------------------|
| 1½"  | NST (NH) | <b>96</b>               | <b>BFNE150NST</b> |
|      | NPSH     | <b>96</b>               | <b>BFNE150</b>    |

- replacement washers can be found on page 741, flow rate chart on following page 753

## Fog Nozzles

## Features:

- shutoff - straight stream - fog
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- brass stem

| Size   | Thread   | 90° Spray GPM @ 100 PSI | Polycarbonate <sup>1</sup><br>Part # | Polycarbonate <sup>2</sup><br>Part # |
|--------|----------|-------------------------|--------------------------------------|--------------------------------------|
| 3/4"   | GHT      | <b>8.0</b>              | <b>FNB75GHT</b> <sup>3,4</sup>       | ---                                  |
| 3/4"   | NPS      | <b>30.9</b>             | <b>FNB75S</b> <sup>4</sup>           | ---                                  |
| 1"     | NPS      | <b>11.4</b>             | <b>FNB100S</b> <sup>4</sup>          | <b>FN100S</b>                        |
| 1"     | NPS      | <b>30.9</b>             | <b>HGB100S</b>                       | ---                                  |
| 1 1/2" | NPS      | <b>83.6</b>             | <b>FNB150S</b>                       | <b>FN150S</b>                        |
| 1"     | NST (NH) | <b>11.4</b>             | <b>FNB100NST</b>                     | <b>FN100NST</b>                      |
| 1"     | NST (NH) | <b>30.9</b>             | <b>HGB100NST</b>                     | ---                                  |
| 1 1/2" | NST (NH) | <b>83.6</b>             | <b>FNB150NST</b>                     | <b>FN150NST</b>                      |

<sup>1</sup> with bumper<sup>2</sup> without bumper<sup>3</sup> standard flow<sup>4</sup> 120° spray GPM @100 PSI

- replacement washers can be found on page 741



with bumper



without bumper

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## Fog Nozzle Flow Rate Chart

| Part Number    | Inlet Pressure |        | Straight Stream |       | 30° |       | 60° |       | 90° |       |
|----------------|----------------|--------|-----------------|-------|-----|-------|-----|-------|-----|-------|
|                | PSI            | kPa    | GPM             | LPM   | GPM | LPM   | GPM | LPM   | GPM | LPM   |
| <b>BFN100</b>  | <b>50</b>      | (345)  | 18              | (68)  | 21  | (79)  | 24  | (91)  | 27  | (102) |
|                | <b>75</b>      | (517)  | 22              | (83)  | 25  | (95)  | 28  | (106) | 32  | (121) |
|                | <b>100</b>     | (690)  | 24              | (91)  | 28  | (106) | 32  | (121) | 36  | (136) |
| <b>BFN250</b>  | <b>50</b>      | (345)  | 90              | (341) | 120 | (454) | 130 | (492) | 145 | (549) |
|                | <b>75</b>      | (517)  | 100             | (379) | 140 | (530) | 150 | (568) | 180 | (681) |
|                | <b>100</b>     | (690)  | 110             | (416) | 165 | (625) | 180 | (681) | 205 | (776) |
| <b>HFN100</b>  | <b>100</b>     | (690)  | 25              | (95)  | --- | ---   | --- | ---   | --- | ---   |
| <b>HFN150</b>  | <b>100</b>     | (690)  | ---             | ---   | --- | ---   | --- | ---   | 86  | (326) |
| <b>HPFN150</b> | <b>275</b>     | (1040) | ---             | ---   | --- | ---   | --- | ---   | 130 | (492) |

## Domestic Rack Nozzles



## Features:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- UL listed and Factory Mutual approved for class A and B fires
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- supplied without bumper

| Size   | Thread   | Wide Open GPM @ 100 PSI | Brass Part #     |
|--------|----------|-------------------------|------------------|
| 1 1/2" | NST (NH) | <b>100</b>              | <b>BRN150NST</b> |
|        | NPSH     | <b>100</b>              | <b>BRN150</b>    |

- replacement washers can be found on page 741



## Global Rack Nozzles



## Features:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- UL listed and Factory Mutual approved for class A and B fires
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- supplied without bumper

| Size   | Thread   | Wide Open GPM @ 100 PSI | Brass Part #       |
|--------|----------|-------------------------|--------------------|
| 1 1/2" | NST (NH) | <b>100</b>              | <b>BRN150NST-I</b> |
|        | NPSH     | <b>100</b>              | <b>BRN150S-I</b>   |

- replacement washers can be found on page 741



## Ball Shut-Offs



## Features:

- full time swivel base ensures durable rubber-like handle can be positioned for easy operation
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Thread       | Length | Waterway | Cast Brass<br>Part # |
|--------------|--------|----------|----------------------|
| 1½" NST (NH) | 4¾"    | 1⅜"      | <b>BSO150NST</b>     |
| 1½" NPSH     | 4¾"    | 1⅜"      | <b>BSO150S</b>       |

## Replacement Part



| Description        | Composite<br>Part # |
|--------------------|---------------------|
| replacement handle | <b>BSO150-H</b>     |

## Nozzle Tips



## Features:

- straight stream only
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- **74 GPM @ 100 PSI**

| Thread       | Length | Orifice | Satin Brass<br>Part # |
|--------------|--------|---------|-----------------------|
| 1" NST (NH)  | 4¾"    | ½"      | <b>BNT100F</b>        |
| 1" NPSH      | 4¾"    | ½"      | <b>BNT100S</b>        |
| 1½" NST (NH) | 4⅝"    | ½"      | <b>BNT150F</b>        |
| 1½" NPSH     | 4⅝"    | ½"      | <b>BNT150S</b>        |

## Plain Hose Nozzles



## Features:

- finish: satin
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size | Thread   | Overall Length | Orifice | Replacement Gasket | Previous Part # | Brass<br>Part # |
|------|----------|----------------|---------|--------------------|-----------------|-----------------|
| ¾"   | GHT      | 6"             | 1/4"    | <b>KRW5</b>        | 500SN6          | <b>BN6</b>      |
| ¾"   | NPSH     | 6"             | 1/4"    | <b>KRW5</b>        | ---             | <b>BN7</b>      |
| 1"   | NPSH     | 8"             | 5/16"   | <b>KRW10</b>       | ---             | <b>BN10</b>     |
| 1¼"  | NPSH     | 10"            | 3/8"    | <b>KRW15</b>       | ---             | <b>BN12</b>     |
| 1½"  | NPSH     | 10"            | 1/2"    | <b>KRW20</b>       | ---             | <b>BN15</b>     |
| 2"   | NPSH     | 12"            | 9/16"   | <b>SW200</b>       | ---             | <b>BN20</b>     |
| 2½"  | NPSH     | 12"            | 1"      | <b>KRW35</b>       | ---             | <b>BN25</b>     |
| 1"   | NST (NH) | 8"             | 5/16"   | <b>SW100F</b>      | ---             | <b>BN10F</b>    |
| 1½"  | NST (NH) | 10"            | 1/2"    | <b>SW150</b>       | ---             | <b>BN15F</b>    |
| 2½"  | NST (NH) | 12"            | 1"      | <b>SW250</b>       | ---             | <b>BN25F</b>    |
| 1½"  | NYFD     | 10"            | 1/2"    | <b>SW150</b>       | ---             | <b>BN15NYFD</b> |
| 2½"  | NYFD     | 12"            | 1"      | <b>SW250</b>       | ---             | <b>BN25NYFD</b> |

## Twist Nozzles



## Feature:

- maximum operating pressure **150 PSI** (water only)

| Thread Size | Length | Previous Part # | Extruded Brass<br>Part #   |
|-------------|--------|-----------------|----------------------------|
| ¾" GHT      | 4"     | ---             | <b>BTN75</b>               |
|             | 4"     | ---             | <b>500AN4</b> <sup>1</sup> |
|             | 6¾"    | 500-AN7         | <b>500AN7</b> <sup>1</sup> |

<sup>1</sup> imported

## Red Plain Hose Nozzles

## Feature:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size | Thread   | Length | Orifice | Polycarbonate<br>Part # |
|------|----------|--------|---------|-------------------------|
| 1½"  | NPSH     | 10"    | ½"      | <b>PN15</b>             |
|      | NST (NH) | 10"    | ½"      | <b>PN15F</b>            |



## UL Play Pipes with Tip



## Application:

- often required in hydrant houses by Insurance Underwriters

## Features:

- swivel handle, red marlin trim
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- UL listed and Factory Mutual approved
- ULT male thread specification: 2-3/16" ODM x 12 TPI
- comes standard with 1½" orifice tip

| Size          | Female Thread | Male Thread | Overall Length | Brass Part #        |
|---------------|---------------|-------------|----------------|---------------------|
| 2½"           | NST (NH)      | ULT         | 30"            | <b>UPP250F</b>      |
| playpipe only |               |             |                | <b>UPP250F-SPEC</b> |



## Tips

## Features:

- finish: satin
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- ULT male thread specification: 2-3/16" ODM x 12 TPI

| Orifice | Cast Brass<br>Part # |
|---------|----------------------|
| 1⅛"     | <b>UPPT</b>          |
| 1¼"     | <b>UPPT125</b>       |
| 1½"     | <b>UPPT150</b>       |
| 1¾"     | <b>UPPT175</b>       |



## Street Cleaning Nozzles

## Feature:

- welded fabrication

| Size | Connection | Aluminum<br>Part # |
|------|------------|--------------------|
| 2"   | female cam | <b>200DBAL</b>     |
| 3"   | female cam | <b>300DBAL</b>     |





## U.S. Coast Guard Approved AFFF / Water Fog Nozzles



CGSN150F



CGSN151F

**Application:**

- designed for maximum efficiency with AFFF (Aqueous Film Forming Foams) or water on shipboard, offshore rigs and industrial applications

**Features:**

- corrosion resistant brass construction
- rubber-like bumper and handle for added protection
- Zytel (nylon) horseshoe handle
- double row of molded teeth for excellent fog pattern
- flush without shutting down
- constant gallonage in all fog and straight stream patterns
- combination fog and straight stream
- maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**

| Thread<br>NST (NH) | Description          | Fog Flow<br>GPM @ 100<br>PSI | Approval #   | Brass<br>Part # |
|--------------------|----------------------|------------------------------|--------------|-----------------|
| 1½"                | nozzle               | <b>95</b>                    | 162.027/13/0 | <b>CGSN150F</b> |
|                    | nozzle w/pistol grip | <b>95</b>                    | 162.027/14/0 | <b>CGSN151F</b> |

- Gaskets are special order, please call 877.712.6179 for assistance.

| Thread<br>NPSH | Description          | Fog Flow<br>GPM @ 100<br>PSI | Brass<br>Part # |
|----------------|----------------------|------------------------------|-----------------|
| 1½"            | nozzle               | <b>95</b>                    | <b>CGSN150S</b> |
|                | nozzle w/pistol grip | <b>95</b>                    | <b>CGSN151S</b> |

## U.S. Coast Guard Approved Fog Nozzles

**Application:**

- designed to US Coast Guard specifications for fighting fires with drafted water, required equipment for all commercial vessels under US registry

**Features:**

- maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**
- corrosion resistant brass construction
- combination fog and straight stream for shipboard fire fighting
- applicator tips are available, consult Dixon® for pricing and availability



| Thread  | Fog Flow<br>GPM @ 100 PSI | Cast Brass<br>Part # |
|---------|---------------------------|----------------------|
| 1½" NST | 55                        | <b>CGN150NST</b>     |
| 2½" NST | 108                       | <b>CGN250NST</b>     |

- Gaskets and tips are special order, please call 877.712.6179 for assistance.

## Omega™ Monitor



## Features:

- cast-in turning vanes for a more efficient flow
- 360° horizontal and 150° vertical travel
- friction loss: **10 PSI at 800 GPM** (.7 bar at 3030 LPM)
- 4 bolt hole pattern on flange
- Factory Mutual approved

| Size       | Inlet     | Outlet   | Waterway | Flow     | Brass<br>Part #     |
|------------|-----------|----------|----------|----------|---------------------|
| 17" x 11½" | 3" flange | 2½" MNST | 3"       | 1250 GPM | <b>AK3526-300FL</b> |

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



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## Monitor Nozzle

## Features:

- fixed teeth
- combination Straight, Stream and Fog - no shutoff
- fixed gallonage master stream nozzle
- factory set at **500 GPM** (1900 lpm) field changeable to **300** or **700 GPM** (1140 or 2660 LPM)
- maximum operating pressure: **100 PSI** (water only)

| Size | Thread   | 90° Spray GPM @<br>100 PSI | Brass<br>Part #  |
|------|----------|----------------------------|------------------|
| 2½"  | NST (NH) | 500                        | <b>AK4450NST</b> |

- Gaskets are special order, please call 877.712.6179 for assistance.



## FirePro™ Monitor



## Features:

- seamless 2½" monitor - rated at 750 GPM
- carbon steel construction, stainless steel discharge tip and ball bearings
- 360° horizontal and 140° vertical travel
- red epoxy finish standard
- 150# ASA raised face 4" flange
- Factory Mutual approved

| Size      | Inlet     | Outlet   | Waterway | Flow GPM   | Carbon Steel<br>Part # |
|-----------|-----------|----------|----------|------------|------------------------|
| 22" x 13" | 4" flange | 2½" MNST | 2½"      | <b>750</b> | <b>FP475S</b>          |

- Gaskets are special order, please call 877.712.6179 for assistance.
- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



## Master Stream Nozzles

## Features:

- factory set at **500 GPM**
- featuring a straight stream to fog 'quick throw' pattern change
- constant gallonage

| Size | Thread   | Material | Part #                    |
|------|----------|----------|---------------------------|
| 2½"  | NST (NH) | brass    | <b>FP500B<sup>1</sup></b> |
|      | NST (NH) | aluminum | <b>FP500A</b>             |

<sup>1</sup> Factory Mutual approved

- Gaskets are special order, please call 877.712.6179 for assistance.



## Factory Mutual Approved Fog Nozzles

## Features:

- brass stem with locking nut
- shutoff-straight-stream-fog
- wings on sleeve for ease of adjustment
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- Factory Mutual approved

| Size | Thread   | 90° Spray GPM<br>@ 100 PSI | Polycarbonate <sup>1</sup><br>Part # | Polycarbonate <sup>2</sup><br>Global Part # |
|------|----------|----------------------------|--------------------------------------|---|
| ¾"   | GHT      | <b>30.9</b>                | <b>SL075GHT<sup>3</sup></b>          | ---   |
| ¾"   | NPSH     | <b>30.9</b>                | <b>SL075<sup>3</sup></b>             | ---   |
| 1"   | NPSH     | <b>30.9</b>                | <b>SL100<sup>3</sup></b>             | <b>PFNB100S</b>                             |
| 1½"  | NPSH     | <b>75.0</b>                | <b>SL150</b>                         | <b>PFNB150S</b>                             |
| 1"   | NST (NH) | <b>30.9</b>                | <b>SL100NST</b>                      | ---   |
| 1½"  | NST (NH) | <b>75.0</b>                | <b>SL150NST</b>                      | <b>PFNB150NST</b>                           |

<sup>1</sup> with bumper<sup>2</sup> without bumper<sup>3</sup> 120° spray on ¾" and 1"

## Polycarbonate Electrical Fire All-Fog Nozzles

## Features:

- opens and closes in a 30° fog pattern up to 120°- no straight stream
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- brass stem

| Size | Thread          | 75° Spray GPM<br>@ 100 PSI | Polycarbonate<br>Part #              |
|------|-----------------|----------------------------|--------------------------------------|
| 1½"  | NPS<br>NST (NH) | <b>92</b><br><b>92</b>     | <b>FNBE150S</b><br><b>FNBE150NST</b> |

## Fog Nozzles Gaskets

| Size | Thread   | ID     | OD     | Thickness | Buna-N<br>Part # |
|------|----------|--------|--------|-----------|------------------|
| 1"   | NPSH     | 0.937" | 1.234" | 0.125"    | <b>FNG100S</b>   |
| 1"   | NPSH     | 1.000" | 1.375" | 0.125"    | <b>HGG100S</b>   |
| 1½"  | NPSH     | 1.500" | 1.827" | 0.125"    | <b>FNG150S</b>   |
| 1"   | NST (NH) | 0.937" | 1.281" | 0.125"    | <b>FNG100NST</b> |
| 1"   | NST (NH) | 1.000" | 1.375" | 0.125"    | <b>HGG100NST</b> |
| 1½"  | NST (NH) | 1.510" | 1.906" | 0.125"    | <b>FNG150NST</b> |

- dimensions are nominal



with bumper



without bumper



## Constant Flow Fog Nozzles

## Features:

- red polycarbonate with bumper and black plastic and steel stem
- provides consistent volume at any spray angle
- adjusts from straight stream to fog
- 1" and 1½" are ULC listed
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size | Thread   | 90° Spray GPM<br>@ 100 PSI | Polycarbonate<br>Part #           |
|------|----------|----------------------------|-----------------------------------|
| ¾"   | GHT      | <b>8</b>                   | <b>CFB75GHT</b>                   |
| 1"   | NPSH     | <b>22</b>                  | <b>CFB100S</b>                    |
| 1½"  | NPSH     | <b>75</b>                  | <b>CFB150S</b> <sup>1</sup>       |
| 1½"  | NPSH     | <b>150</b>                 | <b>HGCFB150S</b> <sup>2</sup>     |
| 2"   | NPSH     | <b>75</b>                  | <b>CFB2015S</b> <sup>1</sup>      |
| 2"   | NPSH     | <b>150</b>                 | <b>CFB200S</b> <sup>2</sup>       |
| 1"   | NST (NH) | <b>22</b>                  | <b>CFB100NST</b>                  |
| 1½"  | NST (NH) | <b>75</b>                  | <b>CFB150NST</b> <sup>1</sup>     |
| 1½"  | NST (NH) | <b>150</b>                 | <b>HGCFB150NST</b> <sup>2</sup>   |
| 2½"  | NST (NH) | <b>150</b>                 | <b>CFB250NST</b> <sup>3</sup>     |
| 2½"  | NST (NH) | <b>215</b>                 | <b>HGCFB250NST</b> <sup>2,4</sup> |

<sup>1</sup> standard flow<sup>2</sup> high flow<sup>3</sup> provided with handles

- gaskets located below
- NYF – New York Fire Dept. Thread 1½" (2.100 ODM X 8 TPI) — 2½" (3.030 ODM X 8 TPI)
- CF – Chicago Fire Dept. Thread 1½" (1.933 ODM X 11.5 TPI) — 2½" (2.990 ODM X 7.5 TPI)
- NYC – New York Corporation Thread 1½" (2.093 ODM X 11 TPI) — 2½" (3.000 ODM X 8 TPI)
- Also available CSA, BAT, NSS



2½" nozzle with handles



2½" nozzle without handles



1½" nozzle

## Blue Refinery Fog Nozzles

## Features:

- blue polycarbonate with bumper and black plastic and steel stem
- glass-filled
- provides consistent volume at any spray angle
- adjusts from Straight Stream to Fog
- resistant to petrochemicals
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size | Thread   | 90° Spray GPM<br>@ 100 PSI | Polycarbonate<br>Part # |
|------|----------|----------------------------|-------------------------|
| 1½"  | NPSH     | <b>75</b>                  | <b>RNB150S</b>          |
|      | NST (NH) | <b>75</b>                  | <b>RNB150NST</b>        |



## Gaskets

## Application:

- used on constant flow and refinery fog nozzles

| Size | Thread   | ID     | OD     | Thickness | Buna-N<br>Part # |
|------|----------|--------|--------|-----------|------------------|
| 1"   | NPSH     | 0.900" | 1.270" | 0.125"    | <b>CFG100S</b>   |
| 1½"  | NPSH     | 1.510" | 1.878" | 0.125"    | <b>CFG150S</b>   |
| 2"   | NPSH     | 1.680" | 2.340" | 0.156"    | <b>CFG200S</b>   |
| 1"   | NST (NH) | 0.900" | 1.270" | 0.125"    | <b>CFG100NST</b> |
| 1½"  | NST (NH) | 1.510" | 1.906" | 0.125"    | <b>CFG150NST</b> |
| 2½"  | NST (NH) | 2.250" | 3.000" | 0.187"    | <b>CFG250NST</b> |

- dimensions are nominal



## TriFlow Fog Nozzles

## Features:

- corrosion resistant plated aluminum
- combination 170° fog and straight stream
- Venturi flow improves straight stream and gallonage
- no nozzle teeth eliminates fingers and voids in the spray pattern thus producing a dense fog



| Size | Thread      | GPM @ 100 PSI<br>Straight Stream       | 6061 T-6 Aluminum<br>Part #               |
|------|-------------|--|---|
| 1½"  | NST<br>NPSH | <b>60-100-140</b><br><b>60-100-140</b> | <b>TFN150NST-140</b><br><b>TFN150-140</b> |
| 1½"  | NST<br>NPSH | <b>75-150-200</b><br><b>75-150-200</b> | <b>TFN150NST-200</b><br><b>TFN150-200</b> |

## Econo Fog Nozzles

## Features:

- rugged, lightweight, corrosion resistant
- supplied without bumper
- for cabinet use, discourages theft
- for use up to 100 PSI (water only)



| Size | Thread | Straight Stream<br>@ 100 PSI | 6061-T6 Aluminum<br>Part # |
|------|--------|------------------------------|----------------------------|
| 1"   | NPSH   | 56                           | <b>AFN100</b>              |
| 1"   | NST    | 56                           | <b>AFN100NST</b>           |
| 1½"  | NPSH   | 56                           | <b>AFN150</b>              |
| 1½"  | NST    | 56                           | <b>AFN150NST</b>           |

## Heavy Duty Constant Flow Fog Nozzles



| Size | Thread           | Length   | GPM @<br>100 PSI       | Fiberglass Reinforced Composite<br>Part # |
|------|------------------|----------|------------------------|---|
| 1½"  | NPSH<br>NST (NH) | 5"<br>5" | <b>95</b><br><b>95</b> | <b>CFFR150</b><br><b>CFFR150NST</b>       |

## Garden Hose Nozzles

## Features:

- offers two straight streams and one fog pattern <sup>1</sup>
- massive bumper specially formulated to resist damage and aging
- corrosion resistant hard coat



GHN75



GHN75-B

| Size | Thread               | GPM @ 40 PSI<br>Straight Stream | 6061-T6 Aluminum<br>Part # |
|------|----------------------|---------------------------------|----------------------------|
|      |                      | 1st   2nd                       |                            |
| ¾"   | GHT - without bumper | <b>1-2</b>   <b>3-4</b>         | <b>GHN75</b>               |
|      | GHT - with bumper    | <b>1-2</b>   <b>3-4</b>         | <b>GHN75-B</b>             |

<sup>1</sup> fog pattern is **4-5 GPM @ 40 PSI**

## Break Apart Attack Nozzles

### Application:

- low-cost, versatile, and easy-to-use nozzle for first responders in rural and suburban fire departments

### Features:

- minimal training required to connect and operate the nozzle
- nozzle uses a 1½" coupler, provides **20-90 GPM** fog or straight stream flows at **100 PSI**
- nozzle can be separated from the shut off valve for extended hose lays and other uses
- meets or exceeds USDA Forestry Service standards

| Size | Thread           | Aluminum Part #                  |
|------|------------------|----------------------------------|
| 1"   | NPSH<br>NST (NH) | <b>ABN100S</b><br><b>ABN100F</b> |
| 1½"  | NPSH<br>NST (NH) | <b>ABN150S</b><br><b>ABN150F</b> |



## Ball Shut-Off Nozzles - Bolted Style

### Features:

- rugged and lightweight
- pistol grip
- hardcoated female swivel inlet and male outlet
- maximum operating pressure: **200 PSI** (water only) at **70°F (21°C)**

| Size | Thread           | Waterway   | Cast Aluminum Part #                |
|------|------------------|------------|-------------------------------------|
| 1½"  | NST (NH)<br>NPSH | 1⅜"<br>1⅜" | <b>ACPSO150F</b><br><b>ACPSO150</b> |



## Pistol Grip Adapters

### Features:

- converts any standard fog nozzle to a well-balanced, easy to hold pistol grip fog nozzle making the job of holding high pressure lines easier
- full-time ball bearing swivel base
- corrosion resistant
- hardcoated per MIL-A-8625-F TYPE 111, (Polylube 1)

| Size | Thread      | 6061 T-6 Aluminum Part #              |
|------|-------------|---------------------------------------|
| 1"   | NST         | <b>PGA100NST</b>                      |
| 1½"  | NST<br>NPSH | <b>PGA150NST</b><br><b>PGA150NPSH</b> |
| 2½"  | NST         | <b>PGA250NST</b>                      |





## Single Gallonage Shut-off Nozzles

## Features:

- PTFE hard-coated for greater corrosion resistance and durability
- lightweight and easily maneuvered
- full-time ball bearing swivel base
- metal ball with non-stick Delrin® seats
- 1-1/16" waterway



| Size | Thread | Constant GPM<br>@ 100 PSI | Aluminum<br>Part #    |
|------|--------|---------------------------|-----------------------|
| 1"   | NST    | 95                        | <b>BVSO100NST</b>     |
|      | NPSH   | 95                        | <b>BVSO100</b>        |
| 1½"  | NST    | 95                        | <b>BVSO150NST</b>     |
|      | NPSH   | 95                        | <b>BVSO150</b>        |
|      | NST    | 125                       | <b>BVSO150NST-125</b> |
|      | NPSH   | 125                       | <b>BVSO150-125</b>    |

## Dual Gallonage Shut-off Nozzles

## Features:

- PTFE hard-coated for greater corrosion resistance and durability
- lightweight and easily maneuvered
- full-time ball bearing swivel base
- metal ball with non-stick Delrin® seats
- 1-1/16" waterway



| Size | Thread | Constant GPM<br>@ 100 PSI | Aluminum<br>Part # |
|------|--------|---------------------------|--------------------|
| 1"   | NST    | 25 - 70                   | <b>BVDSO100NST</b> |
|      | NPSH   | 25 - 70                   | <b>BVDSO100</b>    |
| 1½"  | NST    | 25 - 70                   | <b>BVDSO150NST</b> |
|      | NPSH   | 25 - 70                   | <b>BVDSO150</b>    |

## Adjustable Tri-Flo Selectable Gallonage Nozzles

## Features:

- corrosion resistant plated with Neoprene bumper
- full-time ball bearing swivel base
- dense fog delivery with no voids or fingers in pattern
- metal ball with non-stick Delrin® seats



| Size | Thread | Constant GPM<br>@ 100 PSI | Aluminum<br>Part #     |
|------|--------|---------------------------|------------------------|
| 1½"  | NST    | 60 - 100 - 140            | <b>BVTSO150NST</b>     |
|      | NPSH   | 60 - 100 - 140            | <b>BVTSO150</b>        |
|      | NST    | 75 - 150 - 200            | <b>BVTSO150NST-200</b> |
|      | NPSH   | 75 - 150 - 200            | <b>BVTSO150-200</b>    |
| 2½"  | NST    | 100 - 200 - 300           | <b>BVTSO250NST</b>     |

## Global Forestry Fog Nozzles



| Size | Thread   | GPM @ 100 PSI<br>Straight Stream |      | Anodized Aluminum<br>Part # |
|------|----------|----------------------------------|------|-----------------------------|
|      |          | 1st                              | 2nd  |                             |
| 1½"  | NPSH     | 23.8                             | 73.9 | <b>GFN150</b>               |
|      | NST (NH) | 37.6                             | 95.0 | <b>GFN150NST</b>            |

## Forestry Fog Nozzles

## Features:

- maroon hard-coated barrel allows for easy identification
- corrosion resistant plated
- dual flow rate nozzles offer two straight stream and two fog patterns
- combination fog and straight stream
- maximum operating pressure: **600 PSI** (water only) at **70°F (21°C)**

| Size | Thread   | GPM @ 100 PSI<br>Straight Stream |                  | 6061-T6 Aluminum<br>Part #       |
|------|----------|----------------------------------|------------------|----------------------------------|
|      |          | 1st                              | 2nd              |                                  |
| ¾"   | GHT      | 1-2                              | 3-4 <sup>1</sup> | <b>FFN75GHT</b> <sup>1</sup>     |
| 1"   | NPSH     | 12                               | 25               | <b>FFN100</b> <sup>2, 4</sup>    |
| 1½"  | NPSH     | 25                               | 70               | <b>FFN150</b>                    |
| 1"   | NST (NH) | 12                               | 25               | <b>FFN100NST</b>                 |
| 1½"  | NST (NH) | 25                               | 70               | <b>FFN150NST</b> <sup>3, 4</sup> |

<sup>1</sup> GPM @ 40 PSI<sup>2</sup> FFN100 meets USFS 5100-239A and NSN 4210-01-165-6603<sup>3</sup> FFN150NST meets USFS 5100-107A and NSN 4210-01-167-1123<sup>4</sup> both nozzles conform to Forestry Service specification 5100-239C and 5100-107a

FFN75GHT



FFN100

## Forestry Grade Ball Shut-Off Nozzles

## Features:

- NFPA1964 compliant
- hardcoated threads, acetal ball and rigid inlet
- maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- FSS specification 5100-238

| Size | Thread   | Waterway | Anodized Aluminum<br>Part # |
|------|----------|----------|-----------------------------|
| 1"   | NPSH     | ¾"       | <b>FBSO100S</b>             |
| 1½"  | NPSH     | 1"       | <b>FBSO150S</b>             |
| 1"   | NST (NH) | ¾"       | <b>FBSO100F</b>             |
| 1½"  | NST (NH) | 1"       | <b>FBSO150F</b>             |



## Forestry Grade Ball Shut-Off Pistol Grip

## Features:

- NFPA1964 compliant
- hardcoated threads, acetal ball and full time live swivel inlet
- maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- FSS specification 5100-238

| Size | Thread   | Waterway | Anodized Aluminum<br>Part # |
|------|----------|----------|-----------------------------|
| 1"   | NPSH     | ¾"       | <b>FBSO100S-PG</b>          |
| 1½"  | NPSH     | 1"       | <b>FBSO150S-PG</b>          |
| 1"   | NST (NH) | ¾"       | <b>FBSO100F-PG</b>          |
| 1½"  | NST (NH) | 1"       | <b>FBSO150F-PG</b>          |



## Ball Shut-Off Nozzles Tips

## Features:

- lightweight
- maximum operating pressure: **200 PSI** (water only) at ambient temperature **70°F (21°C)**
- ½" orifice standard, other sizes available, contact Dixon®

| Size | Thread   | Length | Orifice | Anodized Aluminum<br>Part # |
|------|----------|--------|---------|-----------------------------|
| 1"   | NPSH     | 4"     | ½"      | <b>ANT100</b>               |
| 1½"  | NPSH     | 4¾"    | ½"      | <b>ANT150</b>               |
| 1"   | NST (NH) | 4"     | ½"      | <b>ANT100F</b>              |
| 1½"  | NST (NH) | 4¾"    | ½"      | <b>ANT150F</b>              |

- Gaskets are special order, please call 877.712.6179 for assistance.



NPSH



NST

## Penetrator Nozzles



## Features:

- designed with standard 1½" NPSH male hose threads that are converted to female thread for connection to the hose using a double female rigid connector
- ¼" discharge orifice generates a high velocity water jet that is effective against deep seated wildland fires
- maximum operating pressure: **200 PSI** (water only) at ambient temperature **70°F (21°C)**

| Size | Thread           | Length     | Orifice  | Polycarbonate Part #               |
|------|------------------|------------|----------|------------------------------------|
| 1½"  | NPSH<br>NST (NH) | 5½"<br>5½" | ¼"<br>¼" | <b>PFN4005S</b><br><b>PFN4005F</b> |

## Twin Tip Straight Stream Forestry Nozzles



## Features:

- molded high strength red polycarbonate
- solid, one-piece reversible twin tip has ¼" and ⅜" orifices
- maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

| Size | Thread           | Length with tip | Length without tip | Orifice of base nozzle | Polycarbonate Part #               |
|------|------------------|-----------------|--------------------|------------------------|------------------------------------|
| 1½"  | NPSH<br>NST (NH) | 9"<br>9"        | 7½"<br>7½"         | ½"<br>½"               | <b>PTTF150S</b><br><b>PTTF150F</b> |

## Ball Shut-Off with Nozzle



## Features:

- flexible design allows nozzle tip to be detached so a mating foam inductor can be inserted between the tip and shut-off valve
- lightweight
- black pistol grip shutoff with nozzle
- maximum operating pressure: **150 PSI** (water / AFFF only) at **70°F (21°C)**

| Size | Body Color | Thread   | GPM | Polycarbonate Part # |
|------|------------|----------|-----|----------------------|
| 1½"  | red        | NPSH     | 30  | <b>FNPSO150S-30</b>  |
|      | orange     | NST (NH) | 30  | <b>FNPSO150F-30</b>  |
| 1½"  | red        | NPSH     | 70  | <b>FNPSO150S-70</b>  |
|      | orange     | NST (NH) | 70  | <b>FNPSO150F-70</b>  |

## Ball Shut-Off Pistol Grips



## Features:

- lightweight
- maximum operating pressure: **150 PSI** (water or AFFF only) at ambient temperature **70°F (21°C)**

| Size | Thread           | Polycarbonate Part #               |
|------|------------------|------------------------------------|
| 1½"  | NPSH<br>NST (NH) | <b>PPSO150S</b><br><b>PPSO150F</b> |

## Adjust-A-Power Nozzle

## Features:

- ideal for patio, auto and boat, driveway and garden
- produces 50% more power than twist nozzles
- does not require a washer
- leave nozzle in the open position when not in use
- brass construction with stainless steel bearings
- maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

| Thread Size | Brass<br>Part #  |
|-------------|------------------|
| ¾" GHT      | <b>AAPN75GHT</b> |



## Constant Flow Nozzle Displays

## Features:

- shatterproof and UV resistant polycarbonate withstands tough environmental conditions
- seals used for true water shut off
- easy twist spray pattern adjustment
- sold in case quantity only (25 per case), with display

| Thread | 45° Spray GPM<br>@ 100 PSI | Color | Global<br>Part #   |
|--------|----------------------------|-------|--------------------|
| ¾" GHT | 25.1                       | green | <b>FNB75GHT-GD</b> |
|        | 25.1                       | clear | <b>CNB75GHT-GD</b> |



## Constant Flow Nozzles with Bumper

## Feature:

- can be used as a replacement nozzle in the display case **FNB75GHT-GD**

| Thread | 45° Spray GPM<br>@ 100 PSI | Color | Plastic<br>Part #          |
|--------|----------------------------|-------|----------------------------|
| ¾" GHT | 8.0                        | green | <b>GNB75GHT</b> (domestic) |
|        | 25.1                       | clear | <b>CNB75GHT</b> (global)   |



## Double Female Hex Adapters

**Feature:**

- other configurations are available, consult Dixon® for information



| Female Thread | Female NST (NH) Thread | Cast Brass Part #      |
|---------------|------------------------|------------------------|
| 1½" NPT       | 1½"                    | <b>FFH1515F</b>        |
| 2½" NPT       | 2½"                    | <b>FFH2525F</b>        |
| 1½" NST (NH)  | 1½"                    | <b>FFH15F15F</b>       |
| 2½" NST (NH)  | 2½"                    | <b>FFH25F25F</b>       |
| Female Thread | Female NYFD            | Cast Brass Part #      |
| 1½" NYFD      | 1½"                    | <b>FFH15NYFD15NYFD</b> |
| 1½" NPT       | 1½"                    | <b>FFH1515NYFD</b>     |
| 2½" NPT       | 2½"                    | <b>FFH2525NYFD</b>     |
| Female Thread | Female Thread          | Cast Brass Part #      |
| 1½" NPT       | 1½" NPSH               | <b>FFH15T15S</b>       |

## Female Rocker Lug - Suction Adapter with Poly Screen

**Feature:**

- suction intake with strainer screen

| Female NST (NH) Thread | Female NPT Thread | Cast Brass Part #  |
|------------------------|-------------------|--------------------|
| 2½"                    | 1½"               | <b>RSFSA25F15T</b> |
|                        | 2"                | <b>RSFSA25F20T</b> |
|                        | 2½"               | <b>RSFSA250F</b>   |
|                        | 3"                | <b>RSFSA25F30T</b> |

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## (Open Snoot) Female Swivel Adapters - Pin Lug

**Features:**

- double female rigid hexagon to swivel connection, rigid end thread is always NPT, hose thread is on swivel end
- finishes: -P polished, -C polished chrome plated
- other configurations are available, consult Dixon® for information

| Female Swivel Thread | Female Rigid Thread | Cast Brass Part # |
|----------------------|---------------------|-------------------|
| 1½" NST (NH)         | 1½" NPT             | <b>SF150F</b>     |
| 1½" NPSH             | 1½" NPT             | <b>SF150S</b>     |
| 2½" NST (NH)         | 1½" NPT             | <b>SF25F15T</b>   |
| 2½" NST (NH)         | 2" NPT              | <b>SF25F20T</b>   |
| 2½" NYFD             | 2½" NPT             | <b>SF250NYFD</b>  |
| 2½" NST (NH)         | 2½" NPT             | <b>SF250F</b>     |
| 2½" NST (NH)         | 2½" NPT             | <b>SF250F-P</b>   |
| 2½" NST (NH)         | 2½" NPT             | <b>SF250F-C</b>   |
| 2½" NPSH             | 2½" NPT             | <b>SF250S</b>     |
| 2½" NST (NH)         | 3" NPT              | <b>SF25F30T</b>   |
| 3" NST (NH)          | 3" NPT              | <b>SF300F</b>     |
| 3" NYFD              | 3" NPT              | <b>SF300NYFD</b>  |
| 4" NST (NH)          | 4" NPT              | <b>SF400F</b>     |



## Domestic Female Swivel Adapters - Pin Lug

**Feature:**

- other configurations are available, consult Dixon® for information

| Female NST (NH) Swivel Thread | Female Rigid NPT Thread | Cast Brass Part # |
|-------------------------------|-------------------------|-------------------|
| 1½"                           | 1½"                     | <b>SF150F-D</b>   |
| 2½"                           | 2½"                     | <b>SF250F-D</b>   |
|                               | 2"                      | <b>SF25F20T-D</b> |



## (Open Snoot) Female Swivel Adapters - Rocker Lug

**Feature:**

- other configurations are available, consult Dixon® for information

| Female NST (NH) Thread | Female Rigid NPT Thread | Cast Brass Part # |
|------------------------|-------------------------|-------------------|
| 1½"                    | 1½"                     | <b>RSF150F</b>    |
|                        | 1½"                     | <b>RSF25F15T</b>  |
|                        | 2"                      | <b>RSF25F20T</b>  |
| 2½"                    | 2½"                     | <b>RSF250F</b>    |
|                        | 3"                      | <b>RSF25F30T</b>  |



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785



## Double Female Swivels

## Pin Lug



| Female NPSH Thread | Female NPSH Thread | Cast Brass Part # |
|--------------------|--------------------|-------------------|
| 1½"                | 1½"                | <b>DFP1515</b>    |
| 2½"                | 2½"                | <b>DFP2525</b>    |

| Female NST (NH) Thread | Female NST (NH) Thread | Cast Brass Part # |
|------------------------|------------------------|-------------------|
| 1½"                    | 1½"                    | <b>DFP1515F</b>   |
| 2½"                    | 2½"                    | <b>DFP2525F</b>   |

| Female NST (NH) Thread | Female NPSH Thread | Cast Brass Part # |
|------------------------|--------------------|-------------------|
| 1½"                    | 1½"                | <b>DFP15F15S</b>  |
| 2½"                    | 2½"                | <b>DFP25F25S</b>  |

| Female NYFD Thread | Female NYFD Thread | Cast Brass Part #      |
|--------------------|--------------------|------------------------|
| 1½"                | 1½"                | <b>DFP15NYFD15NYFD</b> |
| 2½"                | 2½"                | <b>DFP25NYFD25NYFD</b> |

## Rocker Lug



| Female NPSH Thread | Female NPSH Thread | Cast Brass Part # |
|--------------------|--------------------|-------------------|
| 1½"                | 1½"                | <b>DFR1515</b>    |
| 2½"                | 2½"                | <b>DFR2525</b>    |

| Female NST (NH) Thread | Female NST (NH) Thread | Cast Brass Part # |
|------------------------|------------------------|-------------------|
| 1½"                    | 1½"                    | <b>DFR1515F</b>   |
| 2½"                    | 2½"                    | <b>DFR2525F</b>   |

## Domestic Double Female Swivels - Pin Lug



| Female NST (NH) Thread | Female NST (NH) Thread | Cast Brass Part # |
|------------------------|------------------------|-------------------|
| 1½"                    | 1½"                    | <b>DFP1515F-D</b> |
| 2½"                    | 2½"                    | <b>DFP2525F-D</b> |

- Replacement washers can be found on page 785

## Aluminum Swivel Female x Rigid Female Adapters - Rocker Lug Style N53

| Female NPSH Swivel Thread | Female Rigid NPT Thread | Aluminum Extrusion - Anodized Part # |
|---------------------------|-------------------------|--------------------------------------|
| 1½"                       | 1½"                     | <b>N53-15S15T</b>                    |
| 2"                        | 2"                      | <b>N53-20S20T</b>                    |
| 3"                        | 3"                      | <b>N53-30S30T</b>                    |
| 6"                        | 6"                      | <b>N53-60S60T</b>                    |



| Female NPSH Swivel Thread | Female Rigid NPSH Thread | Aluminum Extrusion - Anodized Part # |
|---------------------------|--------------------------|--------------------------------------|
| 1½"                       | 1½"                      | <b>N53-15S15S</b>                    |



| Female NST (NH) Swivel Thread | Female Rigid NPT Thread | Aluminum Extrusion - Anodized Part # |
|-------------------------------|-------------------------|--------------------------------------|
| 1½"                           | 1½"                     | <b>N53-15F15T</b>                    |
|                               | 2"                      | <b>N53-25F20T</b>                    |
| 2½"                           | 2½"                     | <b>N53-25F25T</b>                    |
|                               | 3"                      | <b>N53-25F30T</b>                    |
|                               | 4"                      | <b>N53-25F40T</b>                    |
| 4"                            | 4"                      | <b>N53-40F40T</b>                    |
| 4½"                           | 4"                      | <b>N53-45F40T</b>                    |
|                               | 6"                      | <b>N53-45F60T</b>                    |
| 5"                            | 6"                      | <b>N53-50F60T</b>                    |
| 6"                            | 6"                      | <b>N53-60F60T</b>                    |



| Female NST (NH) Swivel Thread | Female Rigid NST Thread | Aluminum Extrusion - Anodized Part # |
|-------------------------------|-------------------------|--------------------------------------|
| 1½"                           | 1½"                     | <b>N53-15F15F</b>                    |
|                               | 1½"                     | <b>N53-25F15F</b>                    |
| 2½"                           | 2½"                     | <b>N53-25F25F</b>                    |
|                               | 6"                      | <b>N53-25F60F</b>                    |
| 4"                            | 4"                      | <b>N53-40F40F</b>                    |
| 6"                            | 4½"                     | <b>N53-60F45F</b>                    |



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Double Swivel Female Adapters - Rocker Lug Style N35

Fire Fittings &  
Accessories



| Female NPSH<br>Swivel Thread | Female NPSH<br>Swivel Thread | Aluminum Extrusion - Anodized<br>Part # |
|------------------------------|------------------------------|---|
| 1"                           | 1"                           | <b>N35-10S10S</b>                       |
| 1½"                          | 1½"                          | <b>N35-15S15S</b>                       |
| 2½"                          | 2½"                          | <b>N35-25S25S</b>                       |
| 3"                           | 3"                           | <b>N35-30S30S</b>                       |



| Female NST (NH)<br>Swivel Thread | Female NST (NH)<br>Swivel Thread | Aluminum Extrusion - Anodized<br>Part # |
|----------------------------------|----------------------------------|---|
| 1"                               | 1"                               | <b>N35-10F10F</b>                       |
| 1½"                              | 1½"                              | <b>N35-15F15F</b>                       |
| 2½"                              | 2½"                              | <b>N35-15F25F</b>                       |
| 4"                               | 4"                               | <b>N35-25F25F</b>                       |
| 4½"                              | 4½"                              | <b>N35-40F40F</b>                       |
| 5"                               | 5"                               | <b>N35-45F45F</b>                       |
| 6"                               | 6"                               | <b>N35-50F50F</b>                       |
|                                  |                                  | <b>N35-60F60F</b>                       |



| Female NPSH<br>Swivel Thread | Female NST<br>Swivel Thread | Aluminum Extrusion - Anodized<br>Part # |
|------------------------------|-----------------------------|---|
| 1"                           | 1"                          | <b>N35-10S10F</b>                       |
|                              | 1½"                         | <b>N35-10S15F</b>                       |
| 1½"                          | 1½"                         | <b>N35-15S15F</b>                       |
| 2"                           | 2½"                         | <b>N35-20S25F</b>                       |
| 2½"                          | 2½"                         | <b>N35-25S25F</b>                       |

## Aluminum Double Female Swivel Adapters - Long Handle Style N57



| Female NST (NH)<br>Thread | Male NST (NH)<br>Thread | Aluminum Extrusion - Anodized<br>Part # |
|---------------------------|-------------------------|---|
| 4½"                       | 6"                      | <b>N57-45F60F</b>                       |
| 5"                        | 5"                      | <b>N57-50F50F</b>                       |
|                           | 6"                      | <b>N57-50F60F</b>                       |
| 6"                        | 6"                      | <b>N57-60F60F</b>                       |

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Hydrant Adapters - Pin Lug

**Feature:**

- other configurations are also available, consult Dixon® for information

| Female Thread | Male Thread  | Cast Brass<br>Part # |
|---------------|--------------|----------------------|
| 1½" NPSH      | ¾" GHT       | HA15S76              |
|               | ¾" NPSH      | HA15S75              |
|               | ¾" NPT       | HA15S75T             |
|               | 1" NPSH      | HA15S10S             |
|               | 1" NPT       | HA15S10T             |
|               | 1½" NPT      | HA15S15T             |
|               | 1½" NST (NH) | HA15S15F             |
| 1½" NPT       | 1½" NPSH     | HA15T15S             |
|               | 1½" NST (NH) | HA15T15F             |
| 1½" NST (NH)  | ¾" GHT       | HA1576               |
|               | ¾" NPSH      | HA1575               |
|               | ¾" NPT       | HA1575T              |
|               | 1" NPSH      | HA1510               |
|               | 1" NST (NH)  | HA1510F              |
|               | 1" NPT       | HA1510T              |
|               | 1½" NPSH     | HA1515               |
|               | 1½" NPT      | HA1515T              |
|               | 1½" NST (NH) | HA1515F              |
|               | 2½" NST (NH) | HA1525F              |
| 2" NPSH       | 1½" NPSH     | HA20S15S             |
|               | 1½" NPT      | HA20S15T             |
|               | 1½" NST (NH) | HA20S15F             |
|               | 2½" NST (NH) | HA20S25F             |
| 2" NPT        | 2½" NST (NH) | HA20T25F             |
| 2" NST (NH)   | 2½" NST (NH) | HA2025F              |
| 2½" NPSH      | 1" NPT       | HA25S10T             |
|               | 1½" NPSH     | HA25S15S             |
|               | 1½" NPT      | HA25S15T             |
|               | 1½" NST (NH) | HA25S15F             |
|               | 2½" NST (NH) | HA25S25F             |
| 2½" NST (NH)  | ¾" GHT       | HA2576               |
|               | ¾" NPT       | HA2575T              |
|               | 1" NPSH      | HA2510               |
|               | 1" NST (NH)  | HA2510F              |
|               | 1" NPT       | HA2510T              |
|               | 1½" NPSH     | HA2515               |
|               | 1½" NST (NH) | HA2515F              |
|               | 1½" NPT      | HA2515T              |
|               | 2" NPSH      | HA2520               |
|               | 2" NST (NH)  | HA2520F              |
|               | 2" NPT       | HA2520T              |
|               | 2½" NPSH     | HA2525               |
|               | 2½" NST (NH) | HA2525F              |
|               | 2½" NPT      | HA2525T              |
|               | 3" NPSH      | HA2530               |
|               | 3" NST (NH)  | HA2530F              |
|               | 3" NPT       | HA2530T              |
| 3" NPSH       | 2½" NST (NH) | HA30S25F             |
|               | 2½" NPT      | HA30S25T             |
| 3" NST (NH)   | 1½" NPSH     | HA3015S              |
|               | 1½" NST (NH) | HA3015F              |
|               | 2½" NST (NH) | HA3025F              |
| 4" NST (NH)   | 2½" NST (NH) | HA4025F              |
| 4½" NST (NH)  | 2½" NST (NH) | HA4525F              |



reducer



same size



increaser

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Hydrant Adapters - Rocker Lug

## Features:

- finishes: -C polished chrome plated
- other configurations are also available, consult Dixon® for information



reducer



reducer - chrome plated



same size

| Female Thread | Male Thread  | Cast Brass Part # |
|---------------|--------------|-------------------|
| 1½" NST (NH)  | ¾" NST (NH)  | <b>RHA1576</b>    |
|               | 1" NST (NH)  | <b>RHA1510</b>    |
|               | 1" NST (NH)  | <b>RHA1510F</b>   |
|               | 1" NPT       | <b>RHA1510T</b>   |
|               | 1½" NPSH     | <b>RHA1515</b>    |
|               | 1½" NST (NH) | <b>RHA1515F</b>   |
|               | 1½" NPT      | <b>RHA1515T</b>   |
|               | 2" NPSH      | <b>RHA1520</b>    |
|               | 2½" NST (NH) | <b>RHA1525F</b>   |
| 1½" NPSH      | ¾" NPT       | <b>RHA15S75T</b>  |
|               | 1" NPSH      | <b>RHA15S10</b>   |
|               | 1" NPT       | <b>RHA15S10T</b>  |
|               | 1½" NST (NH) | <b>RHA15S15F</b>  |
|               | 1½" NPT      | <b>RHA15S15T</b>  |
| 1½" NPT       | 1½" NST (NH) | <b>RHA15T15F</b>  |
| 2" NST (NH)   | 2½" NST (NH) | <b>RHA2025F</b>   |
| 2½" NST (NH)  | ¾" GHT       | <b>RHA2576</b>    |
|               | 1" NPSH      | <b>RHA2510</b>    |
|               | 1" NST (NH)  | <b>RHA2510F</b>   |
|               | 1" NPT       | <b>RHA2510T</b>   |
|               | 1½" NPSH     | <b>RHA2515</b>    |
|               | 1½" NST (NH) | <b>RHA2515F</b>   |
|               | 1½" NPT      | <b>RHA2515T</b>   |
|               | 2" NST (NH)  | <b>RHA2520F</b>   |
|               | 2" NPT       | <b>RHA2520T</b>   |
|               | 2½" NPT      | <b>RHA2525T</b>   |
| 2½" NPSH      | 1½" NPSH     | <b>RHA25S15</b>   |
|               | 1½" NST (NH) | <b>RHA25S15F</b>  |
|               | 2½" NST (NH) | <b>RHA25T25F</b>  |
| 2½" NPT       | 2½" NST (NH) | <b>RHA25T25F</b>  |
| 3" NST (NH)   | 2½" NST (NH) | <b>RHA3025F</b>   |

Female x Male Adapters - Long Handle  
Style N56

| Female NST (NH) Thread | Male NST (NH) Thread | Aluminum Extrusion - Anodized Part # |
|------------------------|----------------------|--------------------------------------|
| 4"                     | 2½"                  | <b>N56-40F25F</b>                    |
| 4½"                    | 4"                   | <b>N56-45F40F</b>                    |
| 5"                     | 2½"                  | <b>N56-50F25F</b>                    |
| 6"                     | 4½"                  | <b>N56-60F45F</b>                    |
|                        | 6"                   | <b>N56-60F60T<sup>1</sup></b>        |

<sup>1</sup> female NST (NH) x male NPT

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Hydrant Adapters - Pin Lugs (New York Threads)

**Features:**

- NYFD thread = 3.031 x 8 TPI
- NYC thread = 3.00 x 8 TPI
- other configurations are also available, consult Dixon® for information

| Female NYFD Thread | Male Thread  | Cast Brass Part #     |
|--------------------|--------------|-----------------------|
| 1½"                | ¾" GHT       | <b>HA15NYFD76</b>     |
| 2½"                | ¾" NPT       | <b>HA25NYFD75T</b>    |
|                    | ¾" GHT       | <b>HA25NYFD76</b>     |
|                    | 1½" NPSH     | <b>HA25NYFD15S</b>    |
|                    | 1½" NST (NH) | <b>HA25NYFD15F</b>    |
|                    | 1½" NPT      | <b>HA25NYFD15T</b>    |
|                    | 1½" NYFD     | <b>HA25NYFD15NYFD</b> |
|                    | 2" NPT       | <b>HA25NYFD20T</b>    |
|                    | 2½" NST (NH) | <b>HA25NYFD25F</b>    |
| Female NYC Thread  | Male Thread  | Cast Brass Part #     |
| 2½"                | ¾" GHT       | <b>HA25NYC76</b>      |
|                    | 1" NPT       | <b>HA25NYC10T</b>     |
|                    | 1½" NPT      | <b>HA25NYC15T</b>     |
|                    | 2" NPT       | <b>HA25NYC20T</b>     |



reducer



same size



increaser

## Hazmat Adapters - Pin Lugs

**Feature:**

- divides single stream into double stream

| Female NST Thread | Male Thread | Cast Brass Part # |
|-------------------|-------------|-------------------|
| 1½"               | (2) ¾" GHT  | <b>HHA1576</b>    |
| 2½"               | (2) ¾" GHT  | <b>HHA2576</b>    |



## Domestic Hydrant Adapters - Pin Lug

**Feature:**

- other configurations are available, consult Dixon® for information

| Female NST (NH) Thread | Male Thread  | Cast Brass Part # |
|------------------------|--------------|-------------------|
| 1½"                    | ¾" GHT       | <b>HA1576-D</b>   |
| 2½"                    | 1" NPT       | <b>HA2510T-D</b>  |
|                        | 1½" NST (NH) | <b>HA2515F-D</b>  |
|                        | 1½" NPT      | <b>HA2515T-D</b>  |
|                        | ¾" GHT       | <b>HA2576-D</b>   |



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785



## Hydrant Adapters - Rocker Lug

**Features:**

- use with water
- maximum working pressure: **100 PSI at 70°F (21°C)**

| Female Thread | Male Thread  | Polycarbonate Part # |
|---------------|--------------|----------------------|
| 1½" NPSH      | 1½" NST (NH) | <b>POLYHA15S15F</b>  |
| 2½" NST (NH)  | ¾" GHT       | <b>POLYHA2576</b>    |
|               | 1½" NPSH     | <b>POLYHA2515</b>    |
|               | 1½" NST (NH) | <b>POLYHA2515F</b>   |
|               | 2" NPT       | <b>POLYHA2520T</b>   |

## Domestic Female to Male Hex Nipples



reducer



same size



increaser

**Feature:**

- other configurations are available, consult Dixon® for information

| Female Thread | Male Thread  | Cast Brass Part # |
|---------------|--------------|-------------------|
| 1" NPT        | 1½" NST (NH) | <b>FM1015F-D</b>  |
| 1½" NPT       | 1½" NST (NH) | <b>FM1515F-D</b>  |
|               | 2½" NST (NH) | <b>FM1525F-D</b>  |
| 1½" NST (NH)  | 1½" NPSH     | <b>FM15F15S-D</b> |
|               | 1½" NPT      | <b>FM15F15T-D</b> |
|               | 2½" NST (NH) | <b>FM15F25F-D</b> |
| 1½" NPSH      | 1½" NST (NH) | <b>FM15S15F-D</b> |
|               | 1½" NPT      | <b>FM15S15T-D</b> |
| 2" NPT        | 1½" NST (NH) | <b>FM2015F-D</b>  |
| 2½" NPT       | 2½" NST (NH) | <b>FM2525F-D</b>  |
| 2½" NST (NH)  | 1½" NST (NH) | <b>FM25F15F-D</b> |
|               | 1½" NPT      | <b>FM25F15T-D</b> |
|               | 2½" NPT      | <b>FM25F25T-D</b> |

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Single Male Outlet with Hex (open snoot)

**Application:**

- used to connect fire hose to a standpipe or sprinkler system

**Features:**

- finishes: -P polished, -C polished chrome plated
- other sizes, threads and configurations are available, consult Dixon® for information

| Female NPT Thread | Male Thread  | Cast Brass<br>Part # |
|-------------------|--------------|----------------------|
| 2½"               | 2½" NST (NH) | <b>MOC250F-P</b>     |
|                   | 2½" NST (NH) | <b>MOC250F-C</b>     |
| 3"                | 2½" NST (NH) | <b>MOC3025F-P</b>    |
|                   | 2½" NST (NH) | <b>MOC3025F-C</b>    |
|                   | 3" NST (NH)  | <b>MOC300F-P</b>     |
| Female NPT Thread | Male Thread  | Cast Brass<br>Part # |
| 2½"               | 2½" NYC      | <b>MOC250NYC-P</b>   |
|                   | 2½" NYFD     | <b>MOC250NYFD-P</b>  |



polished



polished chrome plated

## Female to Male Hex Nipples

**Feature:**

- other configurations are also available, consult Dixon® for information

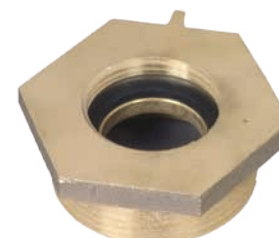
| Female Thread | Male Thread  | Cast Brass<br>Part # |
|---------------|--------------|----------------------|
| ¾" GHT        | 1" NPT       | <b>FM7610T</b>       |
| 1" NPSH       | ¾" GHT       | <b>FM10S76</b>       |
| 1" NPT        | ¾" GHT       | <b>FM1076</b>        |
|               | 1" NPSH      | <b>FM1010</b>        |
|               | 1" NST (NH)  | <b>FM1010F</b>       |
|               | 1½" NPSH     | <b>FM1015</b>        |
| 1" NST (NH)   | 1½" NST (NH) | <b>FM1015F</b>       |
|               | 1" NPT       | <b>FM10F10T</b>      |
| 1½" NPT       | 1½" NPSH     | <b>FM1515</b>        |
|               | 1½" NST (NH) | <b>FM1515F</b>       |
|               | 2½" NST (NH) | <b>FM1525F</b>       |
| 1½" NST (NH)  | 1½" NPSH     | <b>FM15F15S</b>      |
|               | 1½" NPT      | <b>FM15F15T</b>      |
|               | 2" NPT       | <b>FM15F20T</b>      |
|               | 2½" NPT      | <b>FM15F25T</b>      |
|               | 2½" NST (NH) | <b>FM15F25F</b>      |
|               | 1½" NST (NH) | <b>FM15F15F</b>      |
| 1½" NPSH      | 1½" NST (NH) | <b>FM15S15F</b>      |
|               | 1½" NPT      | <b>FM15S15T</b>      |
|               | 2" NPT       | <b>FM15S20T</b>      |
| 2" NPSH       | 1½" NPSH     | <b>FM20S15</b>       |
|               | 1½" NST (NH) | <b>FM20S15F</b>      |
|               | 1½" NPT      | <b>FM20S15T</b>      |
|               | 2" NPT       | <b>FM20S20T</b>      |
|               | 2½" NST (NH) | <b>FM20S25F</b>      |
| 2" NPT        | 1½" NPSH     | <b>FM2015</b>        |
|               | 1½" NST (NH) | <b>FM2015F</b>       |
|               | 2" NPSH      | <b>FM2020</b>        |
|               | 2½" NST (NH) | <b>FM2025F</b>       |
| 2½" NST (NH)  | ¾" NPT       | <b>FM25F75T</b>      |
|               | 1" NPT       | <b>FM25F10T</b>      |
|               | 1½" NST (NH) | <b>FM25F15F</b>      |
|               | 1½" NPT      | <b>FM25F15T</b>      |
|               | 2" NPT       | <b>FM25F20T</b>      |
| 2½" NPT       | 1½" NST (NH) | <b>FM2515F</b>       |
|               | 2½" NPSH     | <b>FM2525</b>        |
|               | 2½" NST (NH) | <b>FM2525F</b>       |



reducer



same size



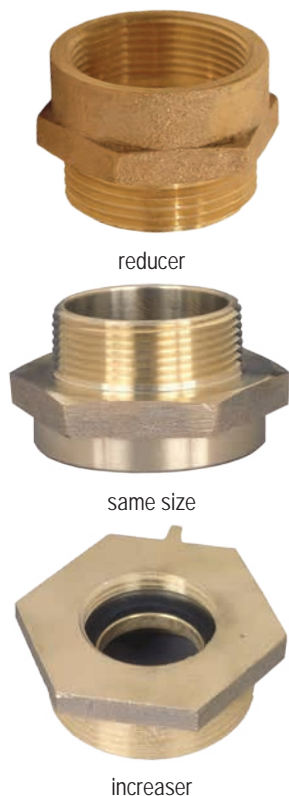
increaser

Table continued on next page

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Female to Male Hex Nipples

Table continued from previous page



| Female Thread | Male Thread  | Cast Brass Part # |
|---------------|--------------|-------------------|
| 2½" NST (NH)  | 2½" NST (NH) | <b>FM25F25F</b>   |
|               | 2½" NPT      | <b>FM25F25T</b>   |
|               | 3" NST (NH)  | <b>FM25F30F</b>   |
|               | 3" NPT       | <b>FM25F30T</b>   |
|               | 2½" NPSH     | <b>FM25F25S</b>   |
| 2½" NPT       | 2½" NPT      | <b>FM2525T</b>    |
| 2½" NPSH      | 2½" NST (NH) | <b>FM25S25F</b>   |
|               | 2½" NPT      | <b>FM25S25T</b>   |
| 3" NPT        | 2½" NST (NH) | <b>FM3025F</b>    |
|               | 2½" NPT      | <b>FM3025T</b>    |
|               | 3" NST (NH)  | <b>FM3030F</b>    |
| 3" NST (NH)   | 2½" NST (NH) | <b>FM30F25F</b>   |
|               | 2½" NPT      | <b>FM30F25T</b>   |
|               | 3" NPT       | <b>FM30F30T</b>   |
| 3" NPSH       | 2½" NST (NH) | <b>FM30S25F</b>   |
| 4" NPT        | 2½" NST (NH) | <b>FM4025F</b>    |
|               | 4" NST (NH)  | <b>FM4040F</b>    |
|               | 4½" NST (NH) | <b>FM4045F</b>    |
| 4" NST (NH)   | 4" NPT       | <b>FM40F40T</b>   |
| 4½" NST (NH)  | 4" NPT       | <b>FM45F40T</b>   |
| 6" NPT        | 6" NST (NH)  | <b>FM6060F</b>    |
| 6" NST (NH)   | 6" NPT       | <b>FM60F60T</b>   |

Female to Male Hex Nipples  
(New York Threads)

## Features:

- NYFD thread = 3.031 x 8 TPI
- NYC thread = 3.00 x 8 TPI
- other configurations are available, consult Dixon® for information



| Female Thread      | Male Thread  | Cast Brass Part #  |
|--------------------|--------------|--------------------|
| 1½" NPT            | 1½" NYFD     | <b>FM1515NYFD</b>  |
| 1½" NST (NH)       | 1½" NYFD     | <b>FM15F15NYFD</b> |
| 1½" NYFD           | 1½" NST (NH) | <b>FM15NYFD15F</b> |
|                    | 1½" NPT      | <b>FM15NYFD15T</b> |
| Female Thread      | Male Thread  | Cast Brass Part #  |
| 2½" NPT            | 2½" NYC      | <b>FM2525NYC</b>   |
|                    | 2½" NYFD     | <b>FM2525NYFD</b>  |
| 2½" NST (NH)       | 2½" NYC      | <b>FM25F25NYC</b>  |
|                    | 2½" NYFD     | <b>FM25F25NYFD</b> |
| 2½" NYC            | 2½" NST (NH) | <b>FM25NYC25F</b>  |
|                    | 2½" NPT      | <b>FM25NYC25T</b>  |
| 2½" NYFD           | 2½" NST (NH) | <b>FM25NYFD25F</b> |
|                    | 2½" NPT      | <b>FM25NYFD25T</b> |
| Female NYFD Thread | Male Thread  | Cast Brass Part #  |
| 2½"                | 1½" NPT      | <b>FM25NYFD15T</b> |
|                    | 2" NPT       | <b>FM25NYFD20T</b> |
|                    | 3" NPT       | <b>FM25NYFD30T</b> |

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Female x Male Adapters - Rocker Lug Style N37

| Female Thread | Male Thread  | Aluminum Extrusion - Anodized<br>Part # |
|---------------|--------------|---|
| ¾" GHT        | 1" NST (NH)  | <b>N37-07G10F</b>                       |
|               | 1" NPSH      | <b>N37-07G10S</b>                       |
|               | 1" NPT       | <b>N37-07G10T</b>                       |
|               | 1½" NST (NH) | <b>N37-07G15F</b>                       |
|               | 1½" NPSH     | <b>N37-07G15S</b>                       |
|               | 1½" NPT      | <b>N37-07G15T</b>                       |
| 1" NST        | ¾" GHT       | <b>N37-10F07G</b>                       |
|               | 1" NPSH      | <b>N37-10F10S</b>                       |
|               | 1" NPT       | <b>N37-10F10T</b>                       |
|               | 1½" NST (NH) | <b>N37-10F15F</b>                       |
|               | 1½" NPSH     | <b>N37-10F15S</b>                       |
|               | 2½" NST (NH) | <b>N37-10F25F</b>                       |
| 1" NPSH       | ¾" GHT       | <b>N37-10S07G</b>                       |
|               | ¾" NPSH      | <b>N37-10S07S</b>                       |
|               | 1" NST (NH)  | <b>N37-10S10F</b>                       |
|               | 1" NPT       | <b>N37-10S10T</b>                       |
|               | 1½" NST (NH) | <b>N37-10S15F</b>                       |
|               | 1½" NPSH     | <b>N37-10S15S</b>                       |
| 1" NPT        | 1" NST       | <b>N37-10T10F</b>                       |
| 1½" NST (NH)  | ¾" GHT       | <b>N37-15F07G</b>                       |
|               | ¾" NPT       | <b>N37-15F07T</b>                       |
|               | 1" NST (NH)  | <b>N37-15F10F</b>                       |
|               | 1" NPSH      | <b>N37-15F10S</b>                       |
|               | 1" NPT       | <b>N37-15F10T</b>                       |
|               | 1½" NST (NH) | <b>N37-15F15F</b>                       |
|               | 1½" NPSH     | <b>N37-15F15S</b>                       |
|               | 1½" NPT      | <b>N37-15F15T</b>                       |
|               | 2" NPT       | <b>N37-15F20T</b>                       |
|               | 2½" NST (NH) | <b>N37-15F25F</b>                       |
| 1½" NPSH      | ¾" GHT       | <b>N37-15S07G</b>                       |
|               | 1" NST (NH)  | <b>N37-15S10F</b>                       |
|               | 1½" NST (NH) | <b>N37-15S15F</b>                       |
|               | 1½" NPT      | <b>N37-15S15T</b>                       |
|               | 2" NPT       | <b>N37-15S20T</b>                       |
| 1½" NPT       | 1½" NST (NH) | <b>N37-15T15F</b>                       |
|               | 1½" NPSH     | <b>N37-15T15S</b>                       |
|               | 2½" NST (NH) | <b>N37-15T25F</b>                       |
| 2" NPSH       | ¾" GHT       | <b>N37-20S07G</b>                       |
|               | 1½" NST (NH) | <b>N37-20S15F</b>                       |
|               | 1½" NPSH     | <b>N37-20S15S</b>                       |
|               | 2" NPT       | <b>N37-20S20T</b>                       |
|               | 2½" NST (NH) | <b>N37-20S25F</b>                       |
| 2" NPT        | 1½" NST (NH) | <b>N37-20T15F</b>                       |
|               | 1½" NPSH     | <b>N37-20T15S</b>                       |
|               | 2½" NST (NH) | <b>N37-20T25F</b>                       |

Table continued on next page



reducer



same size



increaser

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Female x Male Adapters - Rocker Lug (continued)

### Style N37

Table continued from previous page

| Female Thread | Male Thread  | Aluminum Extrusion - Anodized Part # |
|---------------|--------------|--------------------------------------|
| 2½" NST (NH)  | ¾" GHT       | <b>N37-25F07G</b>                    |
|               | ¾" NPT       | <b>N37-25F07T</b>                    |
|               | 1" NPT       | <b>N37-25F10T</b>                    |
|               | 1½" NST (NH) | <b>N37-25F15F</b>                    |
|               | 1½" NPSH     | <b>N37-25F15S</b>                    |
|               | 1½" NPT      | <b>N37-25F15T</b>                    |
|               | 2" NPT       | <b>N37-25F20T</b>                    |
|               | 2½" NST (NH) | <b>N37-25F25F</b>                    |
|               | 2½" NPSH     | <b>N37-25F25S</b>                    |
|               | 2½" NPT      | <b>N37-25F25T</b>                    |
|               | 3" NST (NH)  | <b>N37-25F30F</b>                    |
|               | 3" NPT       | <b>N37-25F30T</b>                    |
|               |              |                                      |
| 2½" NPSH      | 1½" NPSH     | <b>N37-25S15S</b>                    |
|               | 2½" NST (NH) | <b>N37-25S25F</b>                    |
|               | 2½" NPT      | <b>N37-25S25T</b>                    |
| 2½" NPT       | 1½" NPSH     | <b>N37-25T15S</b>                    |
|               | 2½" NST (NH) | <b>N37-25T25F</b>                    |
|               | 3" NPT       | <b>N37-25T30T</b>                    |
| 3" NST (NH)   | 1½" NST (NH) | <b>N37-30F15F</b>                    |
|               | 2½" NST (NH) | <b>N37-30F25F</b>                    |
|               | 3" NPT       | <b>N37-30F30T</b>                    |
|               | 2½" NST (NH) | <b>N37-30S25F</b>                    |
| 3" NPT        | 2½" NST (NH) | <b>N37-30T25F</b>                    |
|               | 2½" NPT      | <b>N37-30T25T</b>                    |
| 4" NST (NH)   | 2½" NST (NH) | <b>N37-40F25F</b>                    |
|               | 4" NST (NH)  | <b>N37-40F40F</b>                    |
|               | 4" NPT       | <b>N37-40F40T</b>                    |
|               | 6" NST (NH)  | <b>N37-40F60F</b>                    |
| 4" NPT        | 2½" NST (NH) | <b>N37-40T25F</b>                    |
|               | 4" NST (NH)  | <b>N37-40T40F</b>                    |
|               | 4½" NST (NH) | <b>N37-40T45F</b>                    |
|               |              |                                      |
| 4½" NST (NH)  | 2½" NST (NH) | <b>N37-45F25F</b>                    |
|               | 4" NST (NH)  | <b>N37-45F40F</b>                    |
|               | 4" NPT       | <b>N37-45F40T</b>                    |
|               | 5" NST (NH)  | <b>N37-45F50F</b>                    |
| 5" NST (NH)   | 4½" NST (NH) | <b>N37-50F45F</b>                    |
|               | 5" NPT       | <b>N37-50F50T</b>                    |
|               | 6" NST (NH)  | <b>N37-50F60F</b>                    |
|               |              |                                      |
| 5" NPSH       | 6" NST (NH)  | <b>N37-50S60F</b>                    |
| 5" NPT        | 5" NST (NH)  | <b>N37-50T50F</b>                    |
| 6" NST (NH)   | 4" NPT       | <b>N37-60F40T</b>                    |
|               | 5" NST (NH)  | <b>N37-60F50F</b>                    |
|               | 6" NPT       | <b>N37-60F60T</b>                    |
| 6" NPT        | 4" NST (NH)  | <b>N37-60T40F</b>                    |
|               | 6" NST (NH)  | <b>N37-60T60F</b>                    |

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785





## Brass Female Swivel to Male Adapters Pin Lug

| Female NST (NH) Thread | Male NPT Thread      | Cast Brass Part # |
|------------------------|----------------------|-------------------|
| 1½"                    | 1½"                  | <b>SM150F</b>     |
| 2½"                    | 1½"                  | <b>SM25F15T</b>   |
|                        | 2"                   | <b>SM25F20T</b>   |
|                        | 2½"                  | <b>SM250F</b>     |
|                        | 3"                   | <b>SM25F30T</b>   |
| 4"                     | 4"                   | <b>SM400F</b>     |
| Female NPSH Thread     | Male NPT Thread      | Cast Brass Part # |
| 1½"                    | 1½"                  | <b>SM150S</b>     |
| 2"                     | 2"                   | <b>SM200S</b>     |
| 2½"                    | 2½"                  | <b>SM250S</b>     |
| Female Thread          | Male NST (NH) Thread | Cast Brass Part # |
| 1½" NPSH               | 1½"                  | <b>SM15S15F</b>   |
| 2½" NST (NH)           | 3"                   | <b>SM25F30F</b>   |
| Female Thread          | Male NPT Thread      | Cast Brass Part # |
| 1½" NYFD               | 1½"                  | <b>SM150NYFD</b>  |
| 2½" NYFD               | 2½"                  | <b>SM250NYFD</b>  |



## Rocker Lug

| Female Thread | Male NPT Thread | Cast Brass Part # |
|---------------|-----------------|-------------------|
| 1½" NST (NH)  | 1½"             | <b>RSM150F</b>    |
| 1½" NPSH      | 1½"             | <b>RSM150S</b>    |
| 2½" NST (NH)  | 2"              | <b>RSM25F20T</b>  |
|               | 2½"             | <b>RSM250F</b>    |
|               | 3"              | <b>RSM25F30T</b>  |



## Domestic Male Swivel Adapters - Pin Lug

| Female NST (NH) Swivel Thread | Male NPT Thread | Cast Brass Part # |
|-------------------------------|-----------------|-------------------|
| 1½"                           | 1½"             | <b>SM150F-D</b>   |
| 2½"                           | 2½"             | <b>SM250F-D</b>   |
|                               | 2"              | <b>SM25F20T-D</b> |
|                               | 3"              | <b>SM25F30T-D</b> |



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785



## Male Rocker Lug - Suction with Poly Screen



**Feature:**

- suction intake with strainer screen

| Female NST (NH) Thread | Male NPT Thread | Cast Brass Part #  |
|------------------------|-----------------|--|
| 2½"                    | 2"<br>2½"<br>3" | <b>RSMSA25F20T</b><br><b>RSMSA250F</b><br><b>RSMSA25F30T</b> |

## Male Rocker Lug - Suction with Zinc Screen



**Feature:**

- suction intake with zinc strainer screen - excellent to use before backflow preventers

| Female NST (NH) Thread | Male NPT Thread | Cast Brass Part #  |
|------------------------|-----------------|--|
| 2½"                    | 2"<br>2½"<br>3" | <b>RSMSA25F20T-Z</b><br><b>RSMSA250F-Z</b><br><b>RSMSA25F30T-Z</b> |

## Male Rocker Lug - Suction with Poly Screen



**Feature:**

- suction intake with strainer screen

| Female NST (NH) Thread | Male NPT Thread | Aluminum Part #                        |
|------------------------|-----------------|--|
| 2½"                    | 2"<br>2½"       | <b>ARMSA25F20T</b><br><b>ARMSA250F</b> |

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Female Swivel to Male Adapters - Rocker Lug Style N54

| Female Swivel Thread | Male Rigid Thread | Aluminum Extrusion - Anodized Part # |
|----------------------|-------------------|--------------------------------------|
| 1½" NST (NH)         | 1½" NST (NH)      | <b>N54-15F15F</b>                    |
|                      | 1½" NPT           | <b>N54-15F15T</b>                    |
|                      | 2½" NST (NH)      | <b>N54-15F25F</b>                    |
| 1½" NPSH             | 1½" NPSH          | <b>N54-15S15S</b>                    |
|                      | 1½" NPT           | <b>N54-15S15T</b>                    |
| 2½" NST (NH)         | 1½" NST (NH)      | <b>N54-25F15F</b>                    |
|                      | 1½" NPT           | <b>N54-25F15T</b>                    |
|                      | 2" NPT            | <b>N54-25F20T</b>                    |
|                      | 2½" NST (NH)      | <b>N54-25F25F</b>                    |
|                      | 2½" NPT           | <b>N54-25F25T</b>                    |
|                      | 3" NPT            | <b>N54-25F30T</b>                    |
| 2½" NPSH             | 2" NPT            | <b>N54-25S20T</b>                    |
| 3" NPSH              | 3" NPT            | <b>N54-30S30T</b>                    |
| 4" NST (NH)          | 4" NST (NH)       | <b>N54-40F40F</b>                    |
|                      | 4" NPT            | <b>N54-40F40T</b>                    |
|                      | 6" NST (NH)       | <b>N54-40F60F</b>                    |
| 4½" NST (NH)         | 4" NPT            | <b>N54-45F40T</b>                    |
|                      | 6" NPT            | <b>N54-45F60T</b>                    |
| 6" NST (NH)          | 6" NPT            | <b>N54-60F60T</b>                    |



## Female Swivel to Male Adapters - Long Handle Style N54L

| Female NST Thread | Male Thread  | Aluminum Extrusion - Anodized Part # |
|-------------------|--------------|--------------------------------------|
| 2½"               | 2½" NST (NH) | <b>N54L-25F25F</b>                   |
| 4"                | 6" NST (NH)  | <b>N54L-40F60F</b>                   |
| 4½"               | 4" NPT       | <b>N54L-45F40T</b>                   |
| 6"                | 4" NPT       | <b>N54L-60F40T</b>                   |
|                   | 5" NST (NH)  | <b>N54L-60F50F</b>                   |
|                   | 6" NPT       | <b>N54L-60F60T</b>                   |



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

## Double Male Hex Nipples

## Feature:

- other configurations are available, consult Dixon® for information



reducer



same size



increaser

| Male Thread     | Male Thread   | Cast Brass Part #   |
|-----------------|---|---|
| 3/4" NPT        | 1 1/2" NPSH<br>1 1/2" NST (NH)  | <b>DMH7515</b><br><b>DMH7515F</b>   |
| 1" NPT          | 3/4" GHT<br>1" NPSH<br>1" NST (NH)<br>1 1/2" NPSH<br>1 1/2" NST (NH)<br>2 1/2" NST (NH)                                       | <b>DMH1076</b><br><b>DMH1010</b><br><b>DMH1010F</b><br><b>DMH1015</b><br><b>DMH1015F</b><br><b>DMH1025F</b>   |
| 1 1/2" NPSH     | 1 1/2" NPSH   | <b>DMH15S15S</b>  |
| 1 1/2" NPT      | 1" NPSH<br>1" NST (NH)<br>1 1/2" NPSH<br>1 1/2" NPT<br>1 1/2" NST (NH)<br>2" NPSH<br>2 1/2" NST (NH)                          | <b>DMH1510</b><br><b>DMH1510F</b><br><b>DMH1515</b><br><b>DMH1515T</b><br><b>DMH1515F</b><br><b>DMH1520</b><br><b>DMH1525F</b>                                      |
| 1 1/2" NST (NH) | 1 1/2" NPSH<br>1 1/2" NST (NH)<br>2 1/2" NST (NH)   | <b>DMH15F15S</b><br><b>DMH15F15F</b><br><b>DMH15F25F</b>  |
| 2" NPT          | 1 1/2" NPSH<br>1 1/2" NST (NH)<br>2" NPSH<br>2 1/2" NPSH<br>2" NPT<br>2 1/2" NST (NH)   | <b>DMH2015</b><br><b>DMH2015F</b><br><b>DMH2020</b><br><b>DMH2025</b><br><b>DMH2020T</b><br><b>DMH2025F</b>   |
| 2 1/2" NPT      | 1 1/2" NPSH<br>1 1/2" NST (NH)<br>2" NPSH<br>2 1/2" NPSH<br>2 1/2" NST (NH)<br>2 1/2" NPT<br>3" NPSH<br>3" NPT<br>3" NST (NH) | <b>DMH2515</b><br><b>DMH2515F</b><br><b>DMH2520</b><br><b>DMH2525</b><br><b>DMH2525F</b><br><b>DMH2525T</b><br><b>DMH2530</b><br><b>DMH2530T</b><br><b>DMH2530F</b> |
| 2 1/2" NST (NH) | 2 1/2" NST (NH)<br>3" NST (NH)  | <b>DMH25F25F</b><br><b>DMH25F30F</b>  |
| 3" NPT          | 2 1/2" NPSH<br>2 1/2" NST (NH)<br>3" NPSH<br>3" NST (NH)<br>3" NPT  | <b>DMH3025</b><br><b>DMH3025F</b><br><b>DMH3030</b><br><b>DMH3030F</b><br><b>DMH3030T</b>   |
| 4" NPT          | 4" NPSH   | <b>DMH4040</b>  |
| 4" NST (NH)     | 4" NST  | <b>DMH40F40F</b>  |
| 4" NPT          | 4" NST (NH)<br>4 1/2" NST (NH)<br>4" NPT  | <b>DMH4040F</b><br><b>DMH4045F</b><br><b>DMH4040T</b>   |
| 5" NPT          | 5" NST (NH)   | <b>DMH5050F</b>   |
| 6" NPT          | 4 1/2" NST (NH)<br>6" NST (NH)<br>6" NPSH<br>6" NPT   | <b>DMH6045F</b><br><b>DMH6060F</b><br><b>DMH6060</b><br><b>DMH6060T</b>   |

- All adapters are made to approved Dixon® specifications.

## Double Male Hex Adapters (NYFD Threads)

**Feature:**

- other configurations are available, consult Dixon® for information

| Male Thread  | Male NYFD Thread | Cast Brass<br>Part # |
|--------------|------------------|----------------------|
| 1½" NPT      | 1½"              | <b>DMH1515NYFD</b>   |
| 1½" NST (NH) | 1½"              | <b>DMH15F15NYFD</b>  |
| 1½" NPT      | 2½"              | <b>DMH1525NYFD</b>   |
| 2" NPT       | 2½"              | <b>DMH2025NYFD</b>   |
| 2½" NPT      | 1½"              | <b>DMH2515NYFD</b>   |
| 2½" NPT      | 2½"              | <b>DMH2525NYFD</b>   |

| Male NST (NH) Thread | Male NYFD Thread | Cast Brass<br>Part # |
|----------------------|------------------|----------------------|
| 2½"                  | 2½"              | <b>DMH25F25NYFD</b>  |

| Male NYFD Thread | Male NYFD Thread | Cast Brass<br>Part #   |
|------------------|------------------|------------------------|
| 1½"              | 1½"              | <b>DMH15NYFD15NYFD</b> |
| 2½"              | 2½"              | <b>DMH25NYFD25NYFD</b> |

- NYFD thread: 3.031 x 8 TPI



reducer



same size



increaser

- All adapters are made to approved Dixon® specifications.

## Domestic Double Male Hex Adapters



reducer



same size



increaser

**Feature:**

- other configurations are available, consult Dixon® for information

| Male Thread  | Male Thread                              | Cast Brass Part #  |
|--------------|--|--|
| 1" NPT       | 1" NST (NH)<br>1½" NST (NH)              | <b>DMH1010F-D</b><br><b>DMH1015F-D</b>                         |
| 1½" NPT      | 1½" NPSH<br>1½" NST (NH)<br>2½" NST (NH) | <b>DMH1515-D</b><br><b>DMH1515F-D</b><br><b>DMH1525F-D</b>     |
| 1½" NST (NH) | 1½" NST (NH)<br>1½" NPSH<br>2½" NST (NH) | <b>DMH15F15F-D</b><br><b>DMH15F15S-D</b><br><b>DMH15F25F-D</b> |
| 2" NPT       | 1½" NST (NH)<br>2" NPSH<br>2½" NST (NH)  | <b>DMH2015F-D</b><br><b>DMH2020-D</b><br><b>DMH2025F-D</b>     |
| 2½" NPT      | 1½" NST (NH)<br>2½" NST (NH)             | <b>DMH2515F-D</b><br><b>DMH2525F-D</b>                         |
| 2½" NST (NH) | 2½" NST (NH)                             | <b>DMH25F25F-D</b>   |
| 3" NPT       | 2½" NST (NH)<br>3" NST (NH)              | <b>DMH3025F-D</b><br><b>DMH3030F-D</b>                         |
| 4" NPT       | 4½" NST (NH)                             | <b>DMH4045F-D</b>  |
| 6" NPT       | 6" NST (NH)                              | <b>DMH6060F-D</b>  |

## Double Male Adapters

**Feature:**

- other configurations are available, consult Dixon® for information

**Pin Lug**

| Male Thread  | Male Thread                         | Cast Brass Part #                                       |
|--------------|-------------------------------------|---|
| 1½" NST (NH) | 1½" NST (NH)<br>1½" NPT             | <b>DMP1515F</b><br><b>DMP15F15T</b>                     |
| 1½" NPSH     | 1½" NPSH<br>1½" NPT                 | <b>DMP1515</b><br><b>DMP15S15T</b>                      |
| 1½" NST (NH) | 1½" NPSH                            | <b>DMP15F15S</b>  |
| 2½" NST (NH) | 2½" NST (NH)<br>2½" NPSH<br>2½" NPT | <b>DMP2525F</b><br><b>DMP25F25S</b><br><b>DMP25F25T</b> |
| 2½" NPSH     | 2½" NPSH                            | <b>DMP2525</b>  |

**Rocker Lug**

| Male Thread  | Male Thread                         | Cast Brass Part #                                       |
|--------------|-------------------------------------|---|
| 1½" NST (NH) | 1½" NST (NH)<br>1½" NPT<br>1½" NPSH | <b>DMR1515F</b><br><b>DMR15F15T</b><br><b>DMR15F15S</b> |
| 1½" NPSH     | 1½" NPSH<br>1½" NPT                 | <b>DMR1515</b><br><b>DMR15S15T</b>                      |
| 2½" NST (NH) | 2½" NST (NH)                        | <b>DMR2525F</b>   |
| 2½" NPSH     | 2½" NPSH                            | <b>DMR2525</b>  |

- All adapters are made to approved Dixon® specifications.

## Double Male Adapters - Rocker Lug Style N36

| Male NST (NH) Thread | Male Thread  | Aluminum Extrusion - Anodized<br>Part # |
|----------------------|--------------|---|
| 1"                   | 1" NST (NH)  | <b>N36-10F10F</b>                       |
| 1½"                  | 1½" NST (NH) | <b>N36-15F15F</b>                       |
|                      | 2" NPT       | <b>N36-15F20T</b>                       |
|                      | 2½" NST (NH) | <b>N36-15F25F</b>                       |
| 2½"                  | 2½" NST (NH) | <b>N36-25F25F</b>                       |
|                      | 3" NST (NH)  | <b>N36-25F30F</b>                       |
|                      | 3" NPT       | <b>N36-25F30T</b>                       |
|                      | 4" NST (NH)  | <b>N36-25F40F</b>                       |
|                      | 4" NPT       | <b>N36-25F40T</b>                       |
|                      | 4½" NST (NH) | <b>N36-25F45F</b>                       |
| 3"                   | 3" NST (NH)  | <b>N36-30F30F</b>                       |
| 4"                   | 4" NST (NH)  | <b>N36-40F40F</b>                       |
| 4½"                  | 4½" NST (NH) | <b>N36-45F45F</b>                       |
| 6"                   | 6" NST (NH)  | <b>N36-60F60F</b>                       |
| Male NPT Thread      | Male Thread  | Aluminum Extrusion - Anodized<br>Part # |
| 1½"                  | 1½" NST (NH) | <b>N36-15T15F</b>                       |
|                      | 2½" NST (NH) | <b>N36-15T25F</b>                       |
| 2"                   | 2" NPT       | <b>N36-20T20T</b>                       |
|                      | 2½" NST (NH) | <b>N36-20T25F</b>                       |
| 2½"                  | 2½" NST (NH) | <b>N36-25T25F</b>                       |
|                      | 3" NPT       | <b>N36-25T30T</b>                       |
|                      | 4" NPT       | <b>N36-25T40T</b>                       |
| 3"                   | 3" NST (NH)  | <b>N36-30T30F</b>                       |
| 4"                   | 4" NST (NH)  | <b>N36-40T40F</b>                       |
|                      | 4½" NST (NH) | <b>N36-40T45F</b>                       |
| 5"                   | 6" NPT       | <b>N36-50T60T</b>                       |
| 6"                   | 6" NST (NH)  | <b>N36-60T60F</b>                       |
| Male NPSH Thread     | Male Thread  | Aluminum Extrusion - Anodized<br>Part # |
| 1"                   | 1" NPSH      | <b>N36-10S10S</b>                       |
| 1½"                  | 1½" NST (NH) | <b>N36-15S15F</b>                       |
|                      | 1½" NPSH     | <b>N36-15S15S</b>                       |
|                      | 1½" NPT      | <b>N36-15S15T</b>                       |
|                      | 2" NPSH      | <b>N36-15S20S</b>                       |
| 2½"                  | 2½" NST (NH) | <b>N36-25S25F</b>                       |
|                      | 2½" NPSH     | <b>N36-25S25S</b>                       |



same size



increaser

## Cam and Groove Hydrant Adapters

### Features:

- pin lugs allow for easy connection using standard spanner and hydrant wrenches on pages 799 - 802
- supplied with a Buna-N washer in the threaded end

| Female NST (NH) Thread | Male Adapter | Brass Part #     | Aluminum Part #   |
|------------------------|--------------|------------------|-------------------|
| 1½"                    | 1½"          | <b>HA1515ADP</b> | <b>AHA1515ADP</b> |
| 2½"                    | 2½"          | <b>HA2525ADP</b> | <b>AHA2525ADP</b> |



### Replacement Washers

| ID      | OD      | Thickness | Buna-N Part # |
|---------|---------|-----------|---------------|
| 1-9/16" | 2-1/16" | 1/8"      | <b>SW150</b>  |
| 2-9/16" | 3-3/16" | 3/16"     | <b>SW250</b>  |



- All adapters are made to approved Dixon® specifications.



## Cam and Groove x NST

## Features:

- powder coated aluminum adapter
- for suction and low pressure discharge only
- other sizes, configurations and materials available, contact Dixon® for information



## Type A x Female NST (NH)

| Adapter Size | Female NST (NH) Thread | Aluminum Part #     |
|--------------|------------------------|---------------------|
| 1½"          | 1½"                    | <b>G150-A-ALNST</b> |
| 2½"          | 2½"                    | <b>G250-A-ALNST</b> |
| 3"           | 2½"                    | <b>3025-A-ALNST</b> |

## Type B x Male NST (NH)

## Feature:

- Buna seals standard



| Coupler Size | Male NST (NH) Thread | Aluminum Part #     |
|--------------|----------------------|---------------------|
| 1½"          | 1½"                  | <b>G150-B-ALNST</b> |
| 2"           | 1½"                  | <b>2015-B-ALNST</b> |
| 2½"          | 2½"                  | <b>G250-B-ALNST</b> |
| 3"           | 2½"                  | <b>3025-B-ALNST</b> |

## Type D x Female NST (NH)

## Feature:

- Buna seals standard



| Coupler Size | Female NST (NH) Thread | Aluminum Part #     |
|--------------|------------------------|---------------------|
| 1½"          | 1½"                    | <b>G150-D-ALNST</b> |
| 2"           | 2½"                    | <b>2025-D-ALNST</b> |
| 2½"          | 2½"                    | <b>G250-D-ALNST</b> |
| 3"           | 2½"                    | <b>3025-D-ALNST</b> |

## Type F x Male NST (NH)




| Adapter Size | Male NST (NH) Thread | Aluminum Part #     |
|--------------|----------------------|---------------------|
| 1½"          | 1½"                  | <b>G150-F-ALNST</b> |
| 2"           | 2½"                  | <b>2025-F-ALNST</b> |
| 2½"          | 2½"                  | <b>G250-F-ALNST</b> |
| 3"           | 2½"                  | <b>3025-F-ALNST</b> |

## Brass Caps

## Pin Lug

## Features:

- finishes: -P polished, -C polished chrome plated
- NOT intended for pressure applications - for debris and thread protection only 

| NST (NH) Thread | Cast Brass Part #                                   |
|-----------------|---|
| 1½"             | <b>FC150F</b><br><b>FC150F-P</b><br><b>FC150F-C</b> |
| 2"              | <b>FC200F</b>                                       |
| 2½"             | <b>FC250F</b><br><b>FC250F-P</b><br><b>FC250F-C</b> |
| 3"              | <b>FC300F</b>                                       |
| 4"              | <b>FC400F</b>                                       |
| 4½"             | <b>FC450F</b>                                       |
| 6"              | <b>FC600F</b>                                       |
| NPSH Thread     | Cast Brass Part #                                   |
| 1½"             | <b>FC150</b>  |
| 2"              | <b>FC200</b>  |
| 2½"             | <b>FC250</b>  |
| 3"              | <b>FC300</b>  |
| 4"              | <b>FC400</b>  |
| 6"              | <b>FC600</b>  |



## Rocker Lug

## Feature:

- finishes: -P polished, -C polished chrome plated

| NST (NH) Thread | Cast Brass Part #                  |
|-----------------|------------------------------------|
| 1"              | <b>RFC100F</b>                     |
| 1½"             | <b>RFC150F</b>                     |
| 2½"             | <b>RFC250F</b><br><b>RFC250F-C</b> |
| NPSH Thread     | Cast Brass Part #                  |
| ¾"              | <b>RFC075</b>                      |
| 1"              | <b>RFC100</b>                      |
| 1½"             | <b>RFC150</b>                      |
| 2"              | <b>RFC200</b>                      |
| 2½"             | <b>RFC250</b>                      |



## Brass Test Caps

## Features:

- pet cock port supplied with ⅛" NPT
- drain cock port supplied with ¼" NPT

| NST (NH) Thread | Brass Part #    |
|-----------------|-----------------|
| 2½"             | <b>NST250TC</b> |



## Aluminum Caps with Cable

## Rocker Lug

## Features:

- other configurations are available, consult Dixon® for information, not all configurations are stocked
- aircraft cable (coated) included

| Size | Thread   | Extruded Hardcoated Aluminum Part # |
|------|----------|-------------------------------------|
| 1"   | NST (NH) | <b>CAP100F-C</b>                    |
| 1½"  |          | <b>CAP150F-C</b>                    |
| 2"   |          | <b>CAP200F-C</b>                    |
| 2½"  |          | <b>CAP250F-C</b>                    |
| 3"   |          | <b>CAP300F-C</b>                    |
| 4"   |          | <b>CAP400F-C</b>                    |
| 4½"  |          | <b>CAP450F-C</b>                    |
| 5"   |          | <b>CAP500F-C</b>                    |
| 6"   |          | <b>CAP600F-C</b>                    |
| 1"   | NPSH     | <b>CAP100S-C</b>                    |
| 1½"  |          | <b>CAP150S-C</b>                    |
| 2"   |          | <b>CAP200S-C</b>                    |
| 2½"  |          | <b>CAP250S-C</b>                    |

Fire Fittings &amp; Accessories



## Long Handle

| NST (NH) Thread | Extruded Hardcoated Aluminum Part # |
|-----------------|-------------------------------------|
| 4"              | <b>CAP400F-C-LH</b>                 |
| 4½"             | <b>CAP450F-C-LH</b>                 |
| 5"              | <b>CAP500F-C-LH</b>                 |
| 6"              | <b>CAP600F-C-LH</b>                 |



## Aluminum Test Caps

## Feature:

- supplied with ¼" NPT drill and tap

| Size | Thread   | Aluminum Part #   |
|------|----------|-------------------|
| 1½"  | NST (NH) | <b>CAP150FABS</b> |
| 2"   |          | <b>CAP200FABS</b> |
| 2½"  |          | <b>CAP250FABS</b> |
| 3"   |          | <b>CAP300FABS</b> |
| 4"   |          | <b>CAP400FABS</b> |
| 4½"  |          | <b>CAP450FABS</b> |
| 5"   |          | <b>CAP500FABS</b> |
| 6"   |          | <b>CAP600FABS</b> |
| 1½"  | NPSH     | <b>CAP150SABS</b> |
| 2"   |          | <b>CAP200SABS</b> |
| 2½"  |          | <b>CAP250SABS</b> |
| 3"   |          | <b>CAP300SABS</b> |
| 4"   |          | <b>CAP400SABS</b> |
| 4½"  |          | <b>CAP450SABS</b> |
| 5"   |          | <b>CAP500SABS</b> |
| 6"   |          | <b>CAP600SABS</b> |



## Thermoplastic Caps

## Caps with Chain

## Application:

- prevents entry of foreign material and protects male outlet threads on valves and hydrants

## Feature:

- NOT intended to be pressurized



| Size | Thread           | Polycarbonate Part #              |
|------|------------------|-----------------------------------|
| 1½"  | NPSH<br>NST (NH) | <b>PFCW150</b><br><b>PFCW150F</b> |
| 2"   | NPSH             | <b>PFCW200</b>                    |
| 2½"  | NST (NH)         | <b>PFCW250F</b>                   |
| 3"   | NST              | <b>PFCW300F</b>                   |



## Pressurizable Cap with Chains

## Feature:

- can be pressurized to **300 PSI**

| Size | Thread          | Polycarbonate Part # |
|------|-----------------|----------------------|
| 2½"  | NST (NH) Thread | <b>PFC250F</b>       |



## Hydrant Caps

## Features:

- 1½" pentagonal nut with weep hole
- gasket not included

| NST (NH) Thread | Polycarbonate Part # |
|-----------------|----------------------|
| 2½"             | <b>PFCW250F-Y</b>    |
| 4"              | <b>PFCW400F-Y</b>    |
| 4½"             | <b>PFCW450F-Y</b>    |



## Universal Hose Cap

## Features:

- universal push on - pull off cap protects all threads by gripping the valve or outlet on the inside of the waterway
- NOT intended to be pressurized



| Size | Polycarbonate Part # |
|------|----------------------|
| 2½"  | <b>PFC250U</b>       |



## Breakable Caps

## Polycarbonate

## Application:

- prevents entry of foreign material and protects female threads on pin lug fire department inlet connections

## Feature:

- used on pin lug females



| Size | Polycarbonate<br>Part # |
|------|-------------------------|
| 2½"  | <b>PBC250</b>           |

## Aluminum

## Features:

- for use on fire department inlet connections
- prevents entry of foreign matter and protects female threads
- breakable ears feature permits fast hose connection
- two eyebolts with nuts for attachment to female pin lug swivel
- painted red finish



| Size | Aluminum<br>Part # |
|------|--------------------|
| 2½"  | <b>ABC250</b>      |

## Specialty Caps

## Domestic Caps - Pin Lug

## Feature:

- other sizes, threads, and finishes available, call Dixon® for information



| Size | Thread   | Brass<br>Part # |
|------|----------|-----------------|
| 1½"  | NST (NH) | <b>FC150F-D</b> |
| 2½"  |          | <b>FC250F-D</b> |

Note: jack chains with S-hooks can be found on page 172

## Hydrant Caps

## Features:

- pentagon fire hydrant cap
- supplied with chain and ring



| Size | Thread   | Iron<br>Part # |
|------|----------|----------------|
| 2½"  | NST (NH) | <b>IHC250F</b> |
| 4½"  | NST (NH) | <b>IHC450F</b> |

Note: jack chains with S-hooks can be found on page 172

## Specialty Caps

## Plugs with Cable - Rocker Lug

## Feature:

- -NC: no cable option available

| Size | <i>Extruded Hardcoated Aluminum</i> |                   |
|------|-------------------------------------|-------------------|
|      | NST (NH) Part #                     | NPSH Part #       |
| 1½"  | <b>PLUG150F-C</b>                   | <b>PLUG150S-C</b> |
| 2½"  | <b>PLUG250F-C</b>                   | <b>PLUG250S-C</b> |
| 3"   | <b>PLUG300F-C</b>                   | <b>PLUG300S-C</b> |
| 4"   | <b>PLUG400F-C</b>                   | ---               |
| 4½"  | <b>PLUG450F-C</b>                   | ---               |
| 5"   | <b>PLUG500F-C</b>                   | ---               |
| 6"   | <b>PLUG600F-C</b>                   | ---               |



## Cap Test Gauges

## Application:

Used for testing hose or static pressure on hydrants or trucks

## Features:

- rocker lug swivel
- petcock to release pressure
- supplied with a 0-300 PSI glycerine 3½" diameter gauge

| NST (NH) Thread | <i>Hardcoated Aluminum</i><br>Part # |
|-----------------|--------------------------------------|
| 1½"             | <b>AFC150F-TGWP</b>                  |
| 2½"             | <b>AFC250F-TGWP</b>                  |



## FDC Plugs

## Features:

- fits standard 2½" NST (NH) female swivel
- withstands wide range of temperatures from -4°F to 200°F (-20°C to 93°C)
- 1½" pentagonal nut with weep hole to allow for drainage
- removed from FDC with adjustable hydrant wrench

| Size | Thread   | <i>Polycarbonate</i><br>Part # |
|------|----------|--------------------------------|
| 1½"  | NST (NH) | <b>PP150F</b>                  |
| 2½"  | NST (NH) | <b>PP250F</b>                  |
| 2½"  | NYFD     | <b>PP250NYFD</b>               |



## Adjust-A-Plug

## Features:

- molded red polycarbonate protective plug for swivel connections up to 2½"
- two adjustable metal plates installed in the back of the plug can be mated with your local thread
- plug can be easily removed with a fire department spanner wrench

| <i>Polycarbonate</i><br>Part # |
|--------------------------------|
| <b>PAP250</b>                  |



front



back



## Brass Plugs

## Pin Lug

## Features:

- finishes: -P polished, -C polished chrome plated
- NOT intended for pressure applications - for debris and thread protection only



| NST (NH) Thread | Cast Brass<br>Part #                                |
|-----------------|---|
| 1½"             | <b>FP150F</b><br><b>FP150F-P</b><br><b>FP150F-C</b> |
| 2½"             | <b>FP250F</b><br><b>FP250F-P</b><br><b>FP250F-C</b> |
| 3"              | <b>FP300F</b>                                       |
| 4"              | <b>FP400F</b>                                       |
| 4½"             | <b>FP450F</b>                                       |
| NPSH Thread     | Cast Brass<br>Part #                                |
| 1½"             | <b>FP150</b>  |
| 2½"             | <b>FP250</b>  |

## Rocker Lug

## Feature:

- finishes: -P polished, -C polished chrome plated



| NST (NH) Thread | Cast Brass<br>Part # |
|-----------------|----------------------|
| 1½"             | <b>RFP150F</b>       |
| 2½"             | <b>RFP250F</b>       |

## Domestic Plugs - Pin Lug



| NST (NH) Thread | Brass<br>Part # |
|-----------------|-----------------|
| 1½"             | <b>FP150F-D</b> |
| 2½"             | <b>FP250F-D</b> |

## Brass Replacement Swivels and Accessories

## Features:

- replacement brass swivels for Dixon® fire department connections
- swivel comes with gasket, set screw and ball bearings needed to install on FDC
- other configurations are available, contact Dixon® for information



| Size | Female Thread  | Brass<br>Part #   |
|------|--|---|
| 2½"  | NPSH (2.84x8)<br>NST (NH) (3.07x7.5)<br>NYC/BA (3.00x8)<br>NYFD (3.03x8) | <b>PSNP250S</b><br><b>PSNP250NST</b><br><b>PSNP250NYC</b><br><b>PSNP250NYFD</b> |
| 3"   | NST (NH)<br>NYFD   | <b>PSNP300NST</b><br><b>PSNP300NYFD</b>   |

- 2½" requires 50 ball bearings, 3" requires 58 ball bearings

## Replacement Parts



4600300001

| Description   | Part #            |
|---------------|-------------------|
| 2½" gasket    | <b>SW250</b>      |
| 3" gasket     | <b>SW300F</b>     |
| ball bearings | <b>4600300001</b> |
| set screw     | <b>4601100418</b> |

## FSA-Storz x Rigid Female

## Features:

- for use wherever a non-valved, locking coupling is required
- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI at 70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"

## Storz x NST (NH) Female

| Storz Size | NST (NH)<br>Female Thread | 6061-T6 Forged Aluminum<br>Part # |
|------------|---------------------------|-----------------------------------|
| 1½"        | 1½"                       | <b>FSA1515F</b>                   |
| 2"         | 1½"                       | <b>FSA2015F</b>                   |
|            | 2½"                       | <b>FSA2025F</b>                   |
| 2½"        | 2½"                       | <b>FSA2525F</b>                   |
| 3"         | 2½"                       | <b>FSA3025F</b>                   |
| 4"         | 2½"                       | <b>FSA4025F</b>                   |
|            | 3"                        | <b>FSA4030F</b>                   |
|            | 4"                        | <b>FSA4040F</b>                   |
|            | 4½"                       | <b>FSA4045F</b>                   |
|            | 5"                        | <b>FSA4050F</b>                   |
|            | 6"                        | <b>FSA4060F</b>                   |
| 5"         | 2½"                       | <b>FSA5025F</b>                   |
|            | 3"                        | <b>FSA5030F</b>                   |
|            | 4"                        | <b>FSA5040F</b>                   |
|            | 4½"                       | <b>FSA5045F</b>                   |
|            | 5"                        | <b>FSA5050F</b>                   |
|            | 6"                        | <b>FSA5060F</b>                   |
| 6"         | 6"                        | <b>FSA6060F</b>                   |



## Storz x NPT Female

| Storz Size | NPT Female Thread | 6061-T6 Forged Aluminum<br>Part # |
|------------|-------------------|-----------------------------------|
| 1½"        | 1"                | <b>FSA1510T</b>                   |
|            | 1½"               | <b>FSA1515T</b>                   |
| 2"         | 1½"               | <b>FSA2015T</b>                   |
|            | 2"                | <b>FSA2020T</b>                   |
| 2½"        | 1½"               | <b>FSA2515T</b>                   |
|            | 2"                | <b>FSA2520T</b>                   |
|            | 2½"               | <b>FSA2525T</b>                   |
|            | 3"                | <b>FSA2530T</b>                   |
| 3"         | 3"                | <b>FSA3030T</b>                   |
| 4"         | 3"                | <b>FSA4030T</b>                   |
|            | 4"                | <b>FSA4040T</b>                   |
|            | 6"                | <b>FSA4060T</b>                   |
| 5"         | 3"                | <b>FSA5030T</b>                   |
|            | 4"                | <b>FSA5040T</b>                   |
|            | 5"                | <b>FSA5050T</b>                   |
|            | 6"                | <b>FSA5060T</b>                   |
| 6"         | 4"                | <b>FSA6040T</b>                   |
|            | 6"                | <b>FSA6060T</b>                   |



## Storz x NPSH Female

| Storz Size | NPSH Female Thread | 6061-T6 Forged Aluminum<br>Part # |
|------------|--------------------|-----------------------------------|
| 1½"        | 1½"                | <b>FSA1515S</b>                   |
| 2"         | 1½"                | <b>FSA2015S</b>                   |
| 2½"        | 2½"                | <b>FSA2525S</b>                   |
| 4"         | 4"                 | <b>FSA4040S</b>                   |



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 798

## SFSA - Storz x Swivel Female Adapter - Rocker Lug / Long Handle

**Features:**

- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI at 70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"

**Storz x NST (NH) Female Swivel**

| Storz Size | NST (NH)<br>Female Swivel Thread | 6061-T6 Forged Alumium<br>Part # |
|------------|----------------------------------|----------------------------------|
| 2½"        | 2½"                              | <b>SFSA2525F</b>                 |
| 3"         | 2½"                              | <b>SFSA3025F</b>                 |
| 4"         | 2½"                              | <b>SFSA4025F</b>                 |
|            | 3"                               | <b>SFSA4030F</b>                 |
|            | 4"                               | <b>SFSA4040F</b>                 |
|            | 4½"                              | <b>SFSA4045F</b>                 |
| 5"         | 6"                               | <b>SFSA4060F</b>                 |
|            | 2½"                              | <b>SFSA5025F</b>                 |
|            | 4"                               | <b>SFSA5040F</b>                 |
|            | 4½"                              | <b>SFSA5045F</b>                 |
| 6"         | 6"                               | <b>SFSA5060F</b>                 |
|            | 6"                               | <b>SFSA6060F</b>                 |

**Storz x NPSH Female**

| Storz Size | NPSH<br>Female Swivel Thread | 6061-T6 Forged Alumium<br>Part # |
|------------|------------------------------|----------------------------------|
| 2½"        | 2½"                          | <b>SFSA2525S</b>                 |
| 3"         | 3"                           | <b>SFSA3030S</b>                 |
| 4"         | 4"                           | <b>SFSA4040S</b>                 |
| 5"         | 6"                           | <b>SFSA5060S</b>                 |

**Storz x NST (NH) Female Swivel - Long Handle**

| Storz Size | NST (NH)<br>Female Swivel Thread | 6061-T6 Forged Alumium<br>Part # |
|------------|----------------------------------|----------------------------------|
| 4"         | 4½"                              | <b>SFSA4045F-LH</b>              |
| 5"         | 4"                               | <b>SFSA5040F-LH</b>              |
| 5"         | 4½"                              | <b>SFSA5045F-LH</b>              |
| 6"         | 6"                               | <b>SFSA6060F-LH</b>              |



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 798

## MSA - Storz x Rigid Male

## Storz x NST (NH) Male

| Storz Size | NST (NH) Male Thread | 6061-T6 Forged Aluminum Part # |
|------------|----------------------|--------------------------------|
| 1½"        | 1½"                  | <b>MSA1515F</b>                |
| 2"         | 1½"                  | <b>MSA2015F</b>                |
| 2½"        | 2½"                  | <b>MSA2525F</b>                |
| 3"         | 2½"                  | <b>MSA3025F</b>                |
| 4"         | 2½"                  | <b>MSA4025F</b>                |
|            | 4"                   | <b>MSA4040F</b>                |
|            | 4½"                  | <b>MSA4045F</b>                |
| 5"         | 2½"                  | <b>MSA5025F</b>                |
|            | 5"                   | <b>MSA5050F</b>                |



## Storz x NPT Male

| Storz Size | NPT Male Thread | 6061-T6 Forged Aluminum Part # |
|------------|-----------------|--------------------------------|
| 1½"        | 1½"             | <b>MSA1515T</b>                |
| 2"         | 1½"             | <b>MSA2015T</b>                |
| 2½"        | 2"              | <b>MSA2520T</b>                |
|            | 2½"             | <b>MSA2525T</b>                |
|            | 3"              | <b>MSA2530T</b>                |
| 3"         | 3"              | <b>MSA3030T</b>                |
| 4"         | 4½"             | <b>MSA4025T</b>                |
|            | 4"              | <b>MSA4040T</b>                |
| 5"         | 4"              | <b>MSA5040T</b>                |
| 6"         | 6"              | <b>MSA6060T</b>                |



## Storz x NPSH Male

| Storz Size | NPSH Male Thread | 6061-T6 Forged Aluminum Part # |
|------------|------------------|--------------------------------|
| 1½"        | 1½"              | <b>MSA1515S</b>                |
| 2"         | 1½"              | <b>MSA2015S</b>                |



1½" x 1½"

- All adapters are made to approved Dixon® specifications.

## SFSA30 - Storz x Female Swivel 30° Elbow - Rocker Lug

**Features:**

- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI at 70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"
- screens available for 4" and 5" heads, consult Dixon® for information

| Storz Size | NST (NH)<br>Female Swivel Thread | 6061-T6 Forged Aluminum<br>Part # |
|------------|----------------------------------|-----------------------------------|
| 4"         | 4"                               | <b>SFSA30-4040F</b>               |
|            | 5"                               | <b>SFSA30-4050F</b>               |
|            | 6"                               | <b>SFSA30-4060F</b>               |
| 5"         | 3"                               | <b>SFSA30-5030F</b>               |
|            | 4"                               | <b>SFSA30-5040F</b>               |
|            | 4½"                              | <b>SFSA30-5045F</b>               |
|            | 6"                               | <b>SFSA30-5060F</b>               |

- Replacement washers can be found on page 798

## SFSA30 - Storz x Female Swivel 30° Elbow - Long Handle

**Features:**

- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI at 70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"

| Storz Size | NST (NH)<br>Female Swivel Thread | 6061-T6 Forged Aluminum<br>Part # |
|------------|----------------------------------|-----------------------------------|
| 4"         | 4½"                              | <b>SFSA30-4045F-LH</b>            |
|            | 5"                               | <b>SFSA30-4050F-LH</b>            |
|            | 6"                               | <b>SFSA30-4060F-LH</b>            |

- Replacement washers can be found on page 798

## NCS-CSF - 150 lbs. Carbon Steel Flange x Storz



| 150# Flange | Storz | Carbon Steel<br>Part # |
|-------------|-------|------------------------|
| 4"          | 5"    | <b>NCS-CSF-STZ450</b>  |
|             | 6"    | <b>NCS-CSF-STZ460</b>  |
| 5"          | 4"    | <b>NCS-CSF-STZ540</b>  |
|             | 5"    | <b>NCS-CSF-STZ550</b>  |
|             | 6"    | <b>NCS-CSF-STZ560</b>  |
| 6"          | 4"    | <b>NCS-CSF-STZ640</b>  |
|             | 5"    | <b>NCS-CSF-STZ650</b>  |
|             | 6"    | <b>NCS-CSF-STZ660</b>  |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## NCS-CSF - 150 lbs. Carbon Steel Flange x Storz with Cap



| 150# Flange | Storz | Carbon Steel<br>Part # |
|-------------|-------|------------------------|
| 5"          | 6"    | <b>NCS-CSF-STZ650C</b> |
| 6"          | 6"    | <b>NCS-CSF-STZ660C</b> |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).

## SSA - Storz x Storz Adapter

**Features:**

- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI at 70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"

| Storz Size | Storz Size | 6061-T6 Forged Alumium Part # |
|------------|------------|-------------------------------|
| 1½"        | 2"         | <b>SSA1520</b>                |
|            | 2½"        | <b>SSA1525</b>                |
| 2"         | 2½"        | <b>SSA2025</b>                |
|            | 3"         | <b>SSA2030</b>                |
|            | 4"         | <b>SSA2540</b>                |
| 4"         | 5"         | <b>SSA4050</b>                |
|            | 6"         | <b>SSA4060</b>                |
| 5"         | 6"         | <b>SSA5060</b>                |



## SSA30 - Storz x Storz 30° Elbow Adapters

**Features:**

- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI at 70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"

| Storz Size | Storz Size | 6061-T6 Forged Alumium Part # |
|------------|------------|-------------------------------|
| 5"         | 5"         | <b>SSA30-550</b>              |



## Dixon Storz Hydrant Conversion Adapters

**Features:**

- designed to adapt 4½" NH threads found on most hydrants to Storz connection
- secured to hydrant by 3 set screws positioned around the rim
- hydrant side: metal face to seal to gasketed face on hose
- reflective stripe around the rim for ease of night time location

| Size                    | Part #          |
|-------------------------|-----------------|
| 5" Storz x 4½" NH (NST) | <b>SHA5045F</b> |





## Storz Accessories



## Threaded Storz Mounting Plates (Bracket)

| Storz Size | Anodized Aluminum Part # |
|------------|--------------------------|
| 1½" - 2½"  | <b>SMB1525</b>           |
| 4" - 5"    | <b>SMB450</b>            |

## Storz Caps

## Features:

- 4", 5", 6" supplied with cables
- 1½", 2", 2½", 3" supplied with chains



| Storz Size | Aluminum Part #             |
|------------|-----------------------------|
| 1½"        | <b>SC150-NL</b>             |
| 2"         | <b>SC200-NL</b>             |
| 2½"        | <b>SC250-NL</b>             |
| 3"         | <b>SC300-NL</b>             |
| 4"         | <b>SC400-NL</b>             |
| 4" ABS     | <b>SC400ABS<sup>1</sup></b> |
| 5"         | <b>SC500-NL</b>             |
| 5" ABS     | <b>SC500ABS<sup>1</sup></b> |
| 6"         | <b>SC600-NL</b>             |

<sup>1</sup> ABS includes airbleeder/petcock

## Storz Gaskets

## Features:

- gasket faces should be kept free of sand, grit, etc. and lubricated with O-ring grease or silicone
- pressure seals have a flat face
- suction seals have a beaded face



pressure seal (black)



suction seal (grey)



| Storz Size | Buna-N Pressure Part #       | Buna-N Suction Part # |
|------------|------------------------------|-----------------------|
| 1½"        | <b>SGS150-NL<sup>1</sup></b> | <b>SGS150-NL</b>      |
| 2"         | <b>SGP200</b>                | <b>SGS200-NL</b>      |
| 2½"        | <b>SGP250</b>                | <b>SGS250-NL</b>      |
| 3"         | <b>SGP300</b>                | <b>SGS300-NL</b>      |
| 4"         | <b>SGP400</b>                | <b>SGS400-NL</b>      |
| 5"         | <b>SGP500</b>                | <b>SGS500-NL</b>      |
| 6"         | <b>SGS600-NL<sup>1</sup></b> | <b>SGS600-NL</b>      |

<sup>1</sup> gasket can be used for both pressure and suction service

## Storz Locking Device



| Description  | Part #                |
|--|-----------------------|
| metal locking device used on 4" and 5" Storz heads with spring, screw and washer | <b>LOCKINGDEVICE</b>  |
| metal locking device used on 6" Storz heads with spring, screw and washer        | <b>LOCKINGDEVICE6</b> |

## Wrenches

### Universal Spanner

**Features:**

- for ¾" to 3" pin lug and rocker lug couplings
- includes gas cock shutoff, pry bar and belt hook eye
- overall length 11⅞"

|            |     |
|------------|-----|
| Aluminum   | Pkg |
| Part #     | Qty |
| <b>USW</b> | 25  |



Fire Fittings &amp; Accessories

**Universal****Features:**

- for pin lug or rocker lug couplings 1" - 4½"
- a gas cock shutoff is provided in the handle
- red epoxy painted
- overall length 11¾"

|            |
|------------|
| Iron       |
| Part #     |
| <b>233</b> |

**Hole Type Spanner****Features:**

- designed for use on ¾" and 1" booster hose couplings
- overall length is 7½"

|             |
|-------------|
| AL-MAG 35   |
| Part #      |
| <b>HTSW</b> |

**Storz Hydrant****Features:**

- fits 4" and 5" Storz
- ductile iron head
- knurled chrome plated handle
- manganese bronze adjustable jaw
- includes adjustable hydrant nut wrench

|             |
|-------------|
| Part #      |
| <b>SAHW</b> |

**Folding Pocket Spanner****Features:**

- for pentagon nuts up to 1¾"
- built-in spanner for pin or rocker lug couplings
- overall length 16¼"

| Material       | Part #       |
|----------------|--------------|
| aluminum       | <b>PSW</b>   |
| brass          | <b>PSW-B</b> |
| die cast zinc  | <b>PSW-Z</b> |
| yellow plastic | <b>PSW-Y</b> |



PSW



PSW-B



PSW-Z



PSW-Y

**Adjustable Hydrant****Features:**

- fits ¾" to 3" rocker lug and pin lug couplings
- a compact wrench easily carried in your jacket pocket

|            |     |
|------------|-----|
| Aluminum   | Pkg |
| Part #     | Qty |
| <b>AHW</b> | 20  |



## Wrenches

## Pigtail Adjustable Hydrant

## Feature:

- double spanner head fits pin lug or rocker (sensible) lug couplings, pentagon nuts up to 1½" from point to flat, 1½" - 6" rocker lug caps, 2" - 4½" pin lug caps, and square nuts up to 1½"

Part #

**AHWPT**

Fire Fittings &amp; Accessories



## Heavy Duty Adjustable Hydrant

## Features:

- for pentagon hydrant nuts up to 1¾" from point to flat
- notched to fit 1¼" square hydrant nut
- spanner for pin lug and sensible (rocker) lug couplings, 1½" thru 6"
- plated iron head, ⅞" plated steel handle
- overall length 18"

Part #

**189**Pkg  
Qty

15



## Double Head Adjustable Hydrant

## Features:

- for pentagon hydrant nuts up to 1¾" and square heads up to 1½"
- fits ¾" - 6" rocker lug or pin lug couplings, can also be used for long handle couplings
- ductile iron head with a deeply knurled chrome plated steel handle
- replaceable adjustable jaw is made of manganese bronze
- overall length 19½"

Part #

**189DH**

## 5 Hole Hydrant

## Features:

- 5 pentagon holes designed to fit common hydrant nut sizes
- built-in spanner for pin or rocker lug couplings
- overall length: 14¼"

Plated Iron  
Part #**PHW**Pkg  
Qty

25



## Grip-All Spanner

## Features:

- fits ¾" - 6" split lug, rocker lug and pin lug couplings
- can be operated in tight quarters
- gas cock shutoff is provided in the handle, handle is shaped to fit your hand allowing a positive grip on the coupling

Aluminum  
Part #**GAW**

## Wrenches

## Hydrant

## Application:

- used for hydrant work by water works companies and on construction sites

## Features:

- overall length 15"
- fits up to 4" pin lug or rocker lug couplings
- complete with pry bar
- 1¼" square hydrant wrench



A356 Aluminum

Part #

**DF16-180**

## Features:

- fits up to 2½" pin lug or rocker lug couplings
- complete with pry bar and 1¼" nut wrench
- lug / drum wrench



A356 Aluminum

Part #

**DF16-181**

## Long Handle Suction Spanner

## Features:

- use on long handle, rocker lug, or pin lug couplings from 2½" - 6"
- open end slips over long handles for additional leverage, the claw fits rocker lugs or pin lugs, the other end can be used as a pry or crowbar
- inverted "T" body construction for lighter weight and improved strength
- can be used on Dixon® cam and groove pin lug or trapezoidal lug tank car adapters or 8" pin lug couplings
- overall length 18¾"



Plated Iron

Part #

**LHW**

## Forestry Hose Clamp and Spanner

## Features:

- material: cast aluminum and brass
- off-set handle enables the user to easily operate the clamp while wearing gloves
- to be used with lightweight 1" and 1½" hoses for pressures up to 200 PSI
- when clamped onto the hose the brass locking device safely holds the clamp in position, a spanner is an integral part of the clamp
- overall length 10"



Cast Aluminum

Part #

**FHCS150**

## Forestry Pocket Spanners

## Features:

- FSW1: for use on 1" hoses only
- FSW2: for 1" and 1½" hose couplings
- overall length 5"
- meets USFDA specification 5100-101C



Aluminum

Part #

**FSW1****FSW2**

## Storz Wrenches

## Pin Lug Spanner - Single End



| Size | Plated Iron<br>Part # |
|------|-----------------------|
| 2"   | <b>SW20</b>           |
| 2½"  | <b>SW25</b>           |
| 3"   | <b>SW30</b>           |
| 4"   | <b>SW40</b>           |
| 6"   | <b>SW60</b>           |

## Pin Lug Spanner - Double End



| Size              | Plated Iron<br>Part # |
|-------------------|-----------------------|
| 1½", 2" x 2½", 3" | <b>SW153</b>          |

## Spanner - Single End



SZW2

## Features:

- SW1530 fits 1½" - 3" Storz
- SZW2 for use on 4" and 6" Storz



SW1530

| Size     | AL-MAG 35<br>Part # |
|----------|---------------------|
| 1½" - 3" | <b>SW1530</b>       |
| 4" - 6"  | <b>SZW2</b>         |

## Spanner -Double End



SZW2-NL



SW-S400

| Used On | Material        | Part #         |
|---------|-----------------|----------------|
| 2" - 5" | <i>aluminum</i> | <b>SZW2-NL</b> |
| 2" - 5" | <i>steel</i>    | <b>SW-S400</b> |

## Holder with (2) Wrenches - Double Ended



| Description                              | Material        | Part #         |
|--|-----------------|----------------|
| 2 Storz wrenches (2½" - 5") with bracket | <i>aluminum</i> | <b>SWB-2</b>   |
| 2 Storz wrenches (2½" - 5") with bracket | <i>steel</i>    | <b>SWB-S-2</b> |
| 4 Storz wrenches (2½" - 5") with bracket | <i>steel</i>    | <b>SWB-S-4</b> |

## Long Handle Short Shank Suction Hose Females

## Features:

- powder coated aluminum swivel nut
- for suction and low pressure discharge only

| Female Swivel NST (NH) | Hose Size | Powder Coated Aluminum Part # |
|------------------------|-----------|-------------------------------|
| 4"                     | 4"        | <b>LHFS400F</b>               |
| 4½"                    | 4"        | <b>LHFS4045F</b>              |



## Angle and Suction Elbows

## Features:

- for use on pump discharge valves, or suction inlets to minimize hose kinking
- rocker lug swivel
- satin brass finish
- -C polished chrome plated

| Male NST (NH) Thread | Female NST (NH) Thread | Angle | Brass Part #       |
|----------------------|------------------------|-------|--------------------|
| 2½"                  | 2½"                    | 30°   | <b>RSE30250F-C</b> |
|                      |                        | 45°   | <b>RSE45250F</b>   |
|                      |                        | 45°   | <b>RSE45250F-C</b> |
|                      |                        | 90°   | <b>RSE90250F</b>   |
|                      |                        | 90°   | <b>RSE90250F-C</b> |



30° elbow



45° elbow

## Continuous Swivel Elbows

## Features:

- allows hose to swing when connected
- full waterway reduces friction loss
- short style radius is 2½" measured from the center of the waterway to the end of the discharge thread

| Female NPT Thread | Male Thread  | Length | Cast Brass Part # |
|-------------------|--------------|--------|-------------------|
| 1½"               | 1½" NST (NH) | 2½"    | <b>CSES150F</b>   |
| 2"                | 1½" NST (NH) | 2½"    | <b>CSES2015F</b>  |
| 1½"               | 1½" NPT      | 2½"    | <b>CSES150T</b>   |

Dixon® Angle and Suction Elbows  
N54

## Features:

- ideal for fire apparatus with front suction connections
- anodized, powder coated aluminum, extruded
- anodized female swivel connections

| Male NST (NH) Thread | Female NST (NH) Swivel Thread | Angle | Aluminum Part #     |
|----------------------|-------------------------------|-------|---------------------|
| 2½"                  | 2½"                           | 30°   | <b>N5430-25F25F</b> |
|                      |                               | 45°   | <b>N5445-25F25F</b> |
|                      |                               | 60°   | <b>N5460-25F25F</b> |
|                      |                               | 90°   | <b>N5490-25F25F</b> |



90° elbow

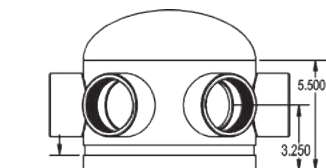
- Replacement washers can be found on page 785



## Pump Test Headers



flanged



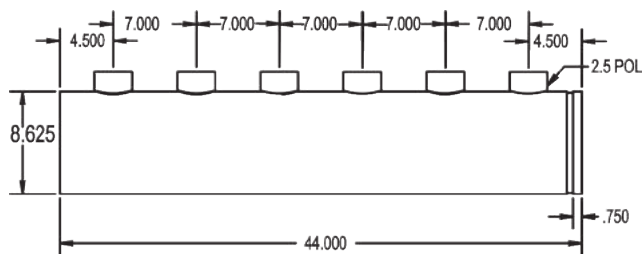
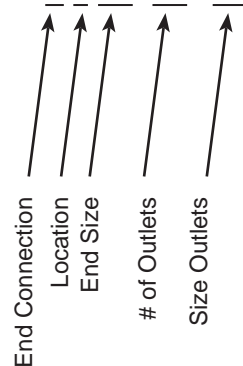
grooved

**Features:**

- available connections: grooved, flanged and threaded
- certified D1, G1, G6
- other sizes, configurations available, consult Dixon® for information

| End Connection | End Size | # of Outlets | Pump Size Max. GPM | Part #            |
|----------------|----------|--------------|--------------------|-------------------|
| 150# flanged   | 3"       | 1            | 300                | <i>HVF0301-25</i> |
|                | 4"       | 2            | 500                | <i>HVF0402-25</i> |
|                | 6"       | 3            | 750                | <i>HVF0603-25</i> |
|                | 6"       | 4            | 1000               | <i>HVF0604-25</i> |
|                | 6"       | 6            | 1000               | <i>HVF0606-25</i> |
|                | 8"       | 6            | 2000               | <i>HVF0806-25</i> |
| grooved        | 6"       | 3            | 750                | <i>HVG0603-25</i> |
|                | 6"       | 4            | 1000               | <i>HVG0604-25</i> |
|                | 8"       | 3            | 750                | <i>HVG0803-25</i> |
|                | 8"       | 6            | 2000               | <i>HVG0806-25</i> |

## Manifolds

**Model Number Breakdown**T98060-30

| End Connection |          | Location |      | End Size |     | # of Outlets |   | Outlet Size |          |
|----------------|----------|----------|------|----------|-----|--------------|---|-------------|----------|
| T              | threaded | E        | End  | 40       | 4"  | 20           | 2 | 25          | 2½" FNPT |
| G              | grooved  | B        | Back | 60       | 6"  | 30           | 3 | 30          | 3" FNPT  |
| F              | flanged  | 9        | 90°  | 80       | 8"  | 40           | 4 | ---         | ---      |
| ---            | ---      | ---      | ---  | ---      | --- | 60           | 6 | ---         | ---      |

Two Way Male Outlet - Roof Connections



Features:

- Used to create roof connections, fire pump test connections, wall hydrants or sidewalk (free standing) hydrants
- provides 250 GPM minimum per outlet
- UL listed
- maximum operating pressure: **175 PSI at 70°F (21°C)**
- other configurations are available, contact Dixon® for additional information

| back outlet |                  |                   |
|-------------|------------------|-------------------|
| Pipe Size   | (2) Outlets Male | Cast Brass Part # |
| 4"          | 2½" NPT          | <b>IRC4025</b>    |
|             | 2½" NPT          | <b>FRC4025</b>    |
|             | 2½" NST (NH)     | <b>IRC4025F</b>   |
|             | 2½" NST (NH)     | <b>FRC4025F</b>   |
| 6"          | 2½" NPT          | <b>FRC6025</b>    |
|             | 2½" NST (NH)     | <b>FRC6025F</b>   |

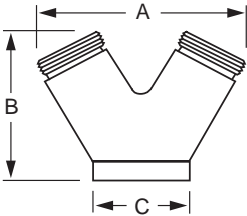


| Groove Size | (2) Outlets Male | Cast Brass Part # |
|-------------|------------------|-------------------|
| 4"          | 2½" NST (NH)     | <b>IRC4025GF</b>  |



Dimensions

| Size           | A       | B       | C      |
|----------------|---------|---------|--------|
| 4" x 2½" x 2½" | 7-7/8"  | 5-3/16" | 5-1/4" |
| 6" x 2½" x 2½" | 8-3/16" | 6-3/8"  | 7-5/8" |



## Two Way Male Outlet - Roof Connections

**Features:**

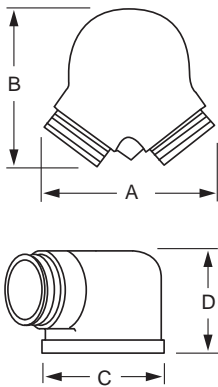
- Used to create roof connections, fire pump test connections, wall hydrants or sidewalk (free standing) hydrants
- provides 250 GPM minimum per outlet
- UL listed
- maximum operating pressure: **175 PSI at 70°F (21°C)**

**90° bottom outlet**

| Pipe Size | (2) Outlets Male | Cast Brass Part # |
|-----------|------------------|-------------------|
| 4"        | 2½" NPT          | <b>90IRC4025</b>  |
|           | 2½" NPT          | <b>90FRC4025</b>  |
|           | 2½" NST (NH)     | <b>90IRC4025F</b> |
|           | 2½" NST (NH)     | <b>90FRC4025F</b> |
| 6"        | 2½" NPT          | <b>90FRC6025</b>  |
|           | 2½" NST (NH)     | <b>90FRC6025F</b> |



| Groove Size | (2) Outlets Male | Cast Brass Part #  |
|-------------|------------------|--------------------|
| 4"          | 2½" NPT          | <b>90IRC4025G</b>  |
|             | 2½" NST(NH)      | <b>90IRC4025GF</b> |

**Dimensions**

| Size           | A   | B   | C   | D   |
|----------------|-----|-----|-----|-----|
| 4" x 2½" x 2½" | 7½" | 6¾" | 5⅛" | 4½" |
| 6" x 2½" x 2½" | 9"  | 8½" | 7½" | 5"  |

## Three Way Male Outlet - Roof Connections

## Features:

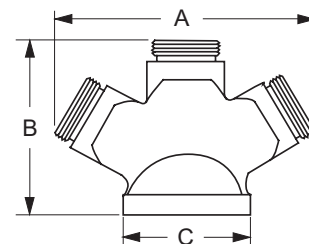
- used to create roof connections, or fire pump test connections
- provides 250 GPM minimum per outlet

## back outlet

| Pipe Size | (3) Outlets Male | Cast Brass Part # |
|-----------|------------------|-------------------|
| 4"        | 2½" NPT          | <b>FR3C4025</b>   |
| 6"        | 2½" NPT          | <b>FR3C6025</b>   |
|           | 2½" NST (NH)     | <b>FR3C6025F</b>  |

## Dimensions

| Size                 | A    | B   | C   |
|----------------------|------|-----|-----|
| 4" x 2½" x 2½" x 2½" | 12¾" | 8¾" | 5¼" |
| 6" x 2½" x 2½" x 2½" | 15⅝" | 9¾" | 7⅝" |

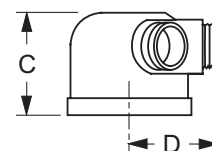
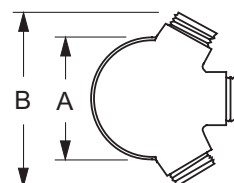


## bottom outlet

| Pipe Size | (3) Outlets Male | Cast Brass Part #  |
|-----------|------------------|--------------------|
| 4"        | 2½" NPT          | <b>90FR3C4025</b>  |
|           | 2½" NST (NH)     | <b>90FR3C4025F</b> |
| 6"        | 2½" NPT          | <b>90FR3C6025</b>  |
|           | 2½" NST (NH)     | <b>90FR3C6025F</b> |

## Dimensions

| Size                 | A   | B    | C       | D   |
|----------------------|-----|------|---------|-----|
| 4" x 2½" x 2½" x 2½" | 7¾" | 11¾" | 4-7/16" | 6¼" |
| 6" x 2½" x 2½" x 2½" | 7¾" | 11¾" | 4-7/16" | 6¼" |



## Sleeve for Sidewalk (free standing) Connections

## Features:

- used in conjunction with a sidewalk escutcheon and a 90° double clapper Siamese to create a sidewalk (free standing) fire department connection
- finishes: -P polished, -C polished chrome plated

| Pipe Size | Length | Brass Part #   |
|-----------|--------|----------------|
| 4"        | 18"    | <b>SS418-P</b> |
|           | 18"    | <b>SS418-C</b> |
|           | 24"    | <b>SS424-P</b> |
|           | 24"    | <b>SS424-C</b> |
| 6"        | 18"    | <b>SS618-P</b> |
|           | 18"    | <b>SS618-C</b> |
|           | 24"    | <b>SS624-P</b> |
|           | 24"    | <b>SS624-C</b> |



## Single Clapper Siamese Connections

## Features:

- single swing clapper with (2) pin lug swivel inlets
- provides 500 GPM minimum to supplement the fire protection as an auxiliary inlet connection to the water supply (250 GPM minimum per inlet)
- design provides unobstructed waterway
- exposed Fire Department Connections (FDC) provide an economical method of satisfying local fire codes
- branding: Auto-Spkr
- finishes: -P polished or -C polished chrome plated
- maximum operating pressure: **250 PSI at 70°F (21°C)**
- replacement swivels can be ordered on page 792



## back outlet

## Feature:

- UL listed and FM approved

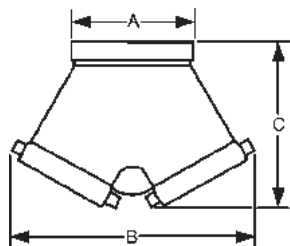
| Outlet<br>Female NPT Thread | (2) Inlets<br>Female Thread | Cast Brass<br>Part #          |
|-----------------------------|-----------------------------|-------------------------------|
| 4"                          | 2½" NST (NH)                | <b>SCS4025F</b>               |
| 4"                          | 2½" NST (NH)                | <b>ISCS4025F</b> <sup>1</sup> |

<sup>1</sup> imported

## Dimensions

| Size           | A   | B  | C       |
|----------------|-----|----|---------|
| 4" x 2½" x 2½" | 5⅝" | 9" | 6-1/16" |

- dimensions match SCS4025F and SCS4025NYFD



## bottom outlet

## Feature:

- UL listed

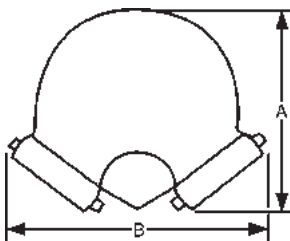
| Outlet<br>Female NPT Thread | (2) Inlets<br>Female Thread | Cast Brass<br>Part #            |
|-----------------------------|-----------------------------|---------------------------------|
| 4"                          | 2½" NST (NH)                | <b>90SCS4025F</b>               |
| 4"                          | 2½" NST (NH)                | <b>90ISCS4025F</b> <sup>1</sup> |

<sup>1</sup> imported

## Dimensions

| Size           | A   | B   |
|----------------|-----|-----|
| 4" x 2½" x 2½" | 6⅞" | 9⅞" |

- dimensions match 90SCS4025F, and 90SCS4025NYFD





## Double Clapper Siamese Connections

## Features:

- double drop clapper with (2) pin lug swivel inlets provides required 500 GPM minimum to supplement the fire protection as an auxiliary inlet connection to the water supply (250 GPM minimum per inlet)
- exposed Fire Department Connections (FDC) provide an economical method of satisfying local fire codes
- maximum operating pressure: **175 PSI at 70°F (21°C)**
- finish: -P polished or -C polished chrome plated
- UL listed and FM approved

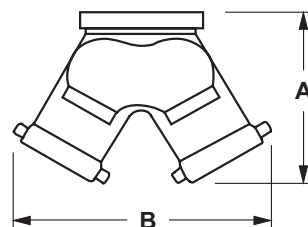
## back outlet

| Outlet Female NPT Thread | (2) Inlets Female Thread   | Branding                   | Cast Brass Part #                     |
|--------------------------|----------------------------|----------------------------|---------------------------------------|
| 4"                       | 2½" NST(NH)                | AutoSprinkler              | <b>DCS4025F</b>                       |
|                          |                            | AutoSprinkler              | <b>DCS4025F-P</b>                     |
|                          |                            | AutoSprinkler              | <b>DCS4025F-C</b>                     |
|                          |                            | StandPipe                  | <b>DCS4025F-SP</b>                    |
|                          |                            | No Branding                | <b>DCS4025F-NB</b>                    |
| 6"                       | 3" NST(NH)<br>3" NYFD      | AutoSprinkler              | <b>DCS4030F</b>                       |
|                          |                            | AutoSprinkler              | <b>DCS4030NYFD</b>                    |
|                          | 2½" NST(NH)<br>2½" NST(NH) | AutoSprinkler<br>StandPipe | <b>DCS6025F</b><br><b>DCS6025F-SP</b> |



## Dimensions

| Size           | A    | B    |
|----------------|------|------|
| 4" x 2½" x 2½" | 9⅝"  | 12¼" |
| 6" x 2½" x 2½" | 10¼" | 11¾" |
| 4" x 3" x 3"   | 10"  | 12½" |
| 6" x 3" x 3"   | 10⅜" | 12½" |



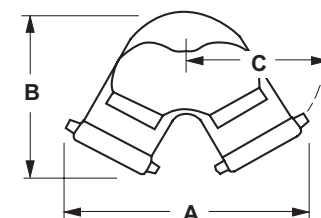
## bottom outlet

| Outlet Female NPT Thread | (2) Inlets Female Thread | Branding      | Cast Brass Part #      |
|--------------------------|--------------------------|---------------|------------------------|
| 4"                       | 2½" NST(NH)              | AutoSprinkler | <b>90DCS4025F</b>      |
|                          |                          | AutoSprinkler | <b>90DCS4025F-P</b>    |
|                          |                          | AutoSprinkler | <b>90DCS4025F-C</b>    |
|                          |                          | StandPipe     | <b>90DCS4025F-SP</b>   |
|                          |                          | No Branding   | <b>90DCS4025F-NB</b>   |
| 6"                       | 3" NST(NH)<br>3" NYFD    | AutoSprinkler | <b>90DCS4030F</b>      |
|                          |                          | AutoSprinkler | <b>90DCS4030NYFD</b>   |
|                          | 2½" NST(NH)<br>3" NYFD   | AutoSprinkler | <b>90DCS4030NYFDSP</b> |
|                          |                          | StandPipe     | <b>90DCS6025F</b>      |
|                          |                          | AutoSprinkler | <b>90DCS6025F-SP</b>   |
| 6"                       | 3" NYFD                  | AutoSprinkler | <b>90DCS6030NYFD</b>   |



## Dimensions

| Size           | A    | B    | C   |
|----------------|------|------|-----|
| 4" x 2½" x 2½" | 11¾" | 9⅝"  | 7¼" |
| 6" x 2½" x 2½" | 11¾" | 10¼" | 7¼" |
| 4" x 3" x 3"   | 12½" | 10⅝" | 7½" |
| 6" x 3" x 3"   | 12¼" | 10⅝" | 7¼" |



- special threads, branding and finishes are available, consult Dixon® for information
- replacement swivels can be ordered on page 792



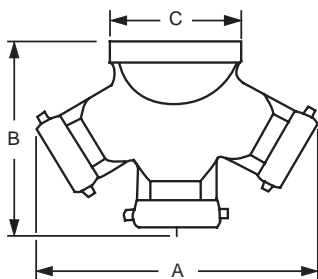
## Triple Clapper Siamese Connections

### Features:

- branding: see below
- finishes: -P polished or -C polished chrome plated
- maximum operating pressure: **175 PSI at 70°F (21°C)**



polished



### Dimensions

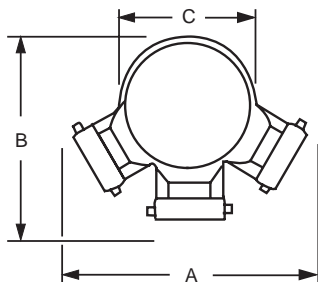
| Size                 | A    | B    | C   |
|----------------------|------|------|-----|
| 4" x 2½" x 2½" x 2½" | 13¾" | 10½" | 5"  |
| 6" x 2½" x 2½" x 2½" | 13¾" | 10½" | 7½" |

### bottom outlet



| Outlet Female<br>NPT Thread | (3) Inlets Female<br>NST (NH) Thread | Branding                     | Cast Brass<br>Part #                      |
|-----------------------------|--------------------------------------|------------------------------|---|
| 4"                          | 2½"                                  | AutoSprinkler<br>No Branding | <b>90TCS4025F</b><br><b>90TCS4025F-NB</b> |
| 6"                          | 2½"                                  | AutoSprinkler<br>No Branding | <b>90TCS6025F</b><br><b>90TCS6025F-NB</b> |

### Dimensions



| Size                 | A    | B    | C   |
|----------------------|------|------|-----|
| 4" x 2½" x 2½" x 2½" | 14½" | 11½" | 7⅝" |
| 6" x 2½" x 2½" x 2½" | 14½" | 11½" | 7⅝" |

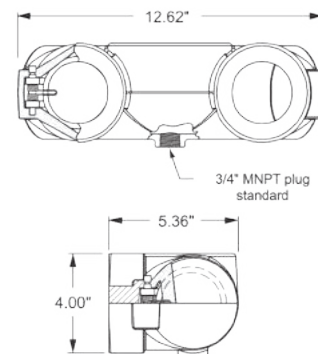
- special threads, branding and finishes are available, consult Dixon® for information
- replacement swivels can be ordered on page 792

## Reversible Concealed Angle Siamese Body

**Features:**

- fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- UL listed
- approved by New York City Board of Standards and Appeals
- maximum operating pressure: **250 PSI at 70°F (21°C)**
- bodies require wall plate **WP2** see page 814

| Outlet<br>Female NPT Thread | (2) Inlets<br>Female NPT Thread | Brass<br>Part #  |
|-----------------------------|---------------------------------|------------------|
| 4"                          | 2½"                             | <b>4025REV90</b> |
| 4"                          | 3"                              | <b>4030REV90</b> |



Fire Fittings &amp; Accessories

## Reversible Concealed Angle Siamese Body

**Features:**

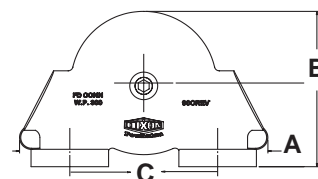
- fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- replaces 23-391 bodies
- maximum operating pressure: **250 PSI at 70°F (21°C)**

| Outlet<br>Female NPT Thread | (2) Inlets<br>Female NPT Thread | Brass<br>Part #   |
|-----------------------------|---------------------------------|-------------------|
| 5"                          | 2½"                             | <b>90CREV5025</b> |
| 5"                          | 3"                              | <b>90CREV5030</b> |
| 6"                          | 2½"                             | <b>90CREV6025</b> |
| 6"                          | 3"                              | <b>90CREV6030</b> |



## Dimensions

| Size           | A   | B   | C   |
|----------------|-----|-----|-----|
| 5" x 3" x 3"   | 12" | 9½" | 7⅝" |
| 6" x 2½" x 2½" | 12" | 7¼" | 7⅝" |
| 6" x 3" x 3"   | 12" | 9½" | 7⅝" |



## Concealed Two - Way Wall Hydrant Body

**Features:**

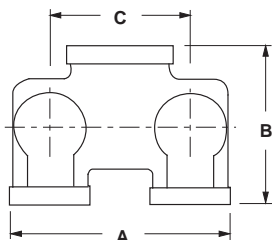
- provides 500 GPM minimums at 250 GPM per inlet (ref NFPA 14)
- drop clappers provide unobstructed waterway
- flush design is desirable when appearance is a factor
- UL listed
- double clapper
- 7<sup>5</sup>/<sub>8</sub>" center-line
- bodies require wall plate **WP2** (24-385), see page 814

**back outlet**

| Outlet<br>Female NPT Thread | (2) Inlets<br>Female NPT Thread | Brass<br>Part #    |
|-----------------------------|---------------------------------|--------------------|
| 4"                          | 2½"                             | <b>CDMHCB40225</b> |
| 4"                          | 3"                              | <b>CDMHCB40230</b> |
| 5"                          | 3"                              | <b>CDMHCB50230</b> |
| 6"                          | 2½"                             | <b>CDMHCB60225</b> |
| 6"                          | 3"                              | <b>CDMHCB60230</b> |

**Dimensions**

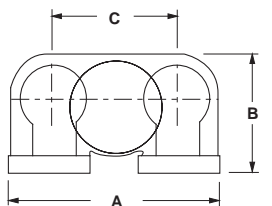
| Size           | A         | B       | C                               |
|----------------|-----------|---------|---------------------------------|
| 4" x 2½" x 2½" | 11-1/8"   | 6"      | 7 <sup>5</sup> / <sub>8</sub> " |
| 4" x 3" x 3"   | 12-1/4"   | 8-1/8"  | 7 <sup>5</sup> / <sub>8</sub> " |
| 5" x 3" x 3"   | 11-13/16" | 7-5/16" | 7 <sup>5</sup> / <sub>8</sub> " |
| 6" x 2½" x 2½" | 11-1/8"   | 7-3/8"  | 7 <sup>5</sup> / <sub>8</sub> " |
| 6" x 3" x 3"   | 12-1/4"   | 8-1/4"  | 7 <sup>5</sup> / <sub>8</sub> " |

**bottom outlet**

| Outlet<br>Female NPT Thread | (2) Inlets<br>Female NPT Thread | Brass<br>Part #      |
|-----------------------------|---------------------------------|----------------------|
| 5"                          | 3"                              | <b>90CDMHCB50230</b> |
| 6"                          | 2½"                             | <b>90CDMHCB60225</b> |
| 6"                          | 3"                              | <b>90CDMHCB60230</b> |

**Dimensions**

| Size           | A   | B   | C                               |
|----------------|-----|-----|---------------------------------|
| 5" x 3" x 3"   | 12" | 9½" | 7 <sup>5</sup> / <sub>8</sub> " |
| 6" x 2½" x 2½" | 12" | 7¼" | 7 <sup>5</sup> / <sub>8</sub> " |
| 6" x 3" x 3"   | 12" | 9½" | 7 <sup>5</sup> / <sub>8</sub> " |



## Spring Check Type Snoots - Pin Lug

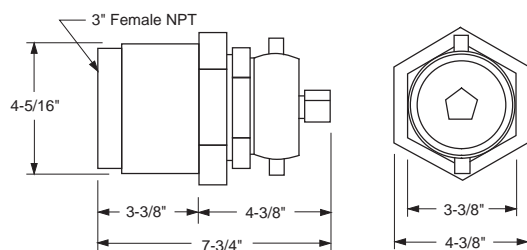
**Features:**

- finishes: -P polished, -C polished chrome plated
- other configurations are also available, consult Dixon® for information
- maximum operating pressure: **175 PSI at 70°F (21°C)**

**female outlet****Features:**

- female NPT rigid with hexagon by female hose thread to swivel
- connections are attached to the bodies with pipe nipples (not included)

| Outlet Female<br>NPT Thread | Inlet Female<br>NST (NH) Thread | Cast Brass<br>Part # |
|-----------------------------|---------------------------------|----------------------|
| 3"                          | 2½"                             | <b>CSSTF25F30T-P</b> |
| 3"                          | 2½"                             | <b>CSSTF25F30T-C</b> |
| 3"                          | 3"                              | <b>CSSTF30F30T-P</b> |

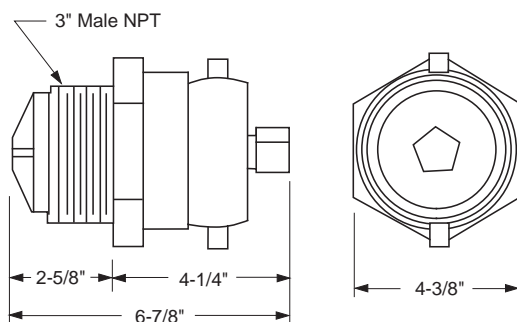
**Dimensions**

polished chrome plated

**male outlet****Features:**

- finishes: -P polished, -C polished chrome plated
- male NPT x 2½" female hose thread to swivel
- used when a direct connection to bodies is desired

| Outlet Male<br>NPT Thread | Inlet Female<br>NST (NH) Thread | Cast Brass<br>Part # |
|---------------------------|---------------------------------|----------------------|
| 3"                        | 2½"                             | <b>CSSTM25F30T-P</b> |
|                           | 2½"                             | <b>CSSTM25F30T-C</b> |
|                           | 3"                              | <b>CSSTM30F30T-P</b> |
|                           | 3"                              | <b>CSSTM30F30T-C</b> |

**Dimensions**

polished

- Under no circumstances should a check snoot be installed directly into a pipe, as this may prevent the snoot from opening. Install directly into the appropriate standpipe body only.





## Clapper Type Snoots - Pin Lug

### Features:

- finishes: -P polished, -C polished chrome plated
- other sizes and threads are available, consult Dixon® for information



polished chrome plated



polished

| Outlet Female<br>NPT Thread | Inlet Female<br>NST (NH) Thread | Cast Brass<br>Part # |
|-----------------------------|---------------------------------|----------------------|
| 3"                          | 2½"                             | <b>CSCTF25F30T-P</b> |
| 3"                          | 2½"                             | <b>CSCTF25F30T-C</b> |

| Outlet Male NPT | Inlet Female NST (NH) | Cast Brass<br>Part # |
|-----------------|-----------------------|----------------------|
| 3"              | 2½"                   | <b>CSCTM25F30T-P</b> |
| 3"              | 2½"                   | <b>CSCTM25F30T-C</b> |

## Wall Plate for Double Clapper Siamese Assemblies

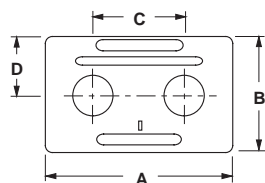
### Features:

- finishes: -P polished, -C polished chrome plated
- 4-hole and 6-hole wall plates available, consult Dixon® for information



| Hole Size | Branding   | Brass<br>Part #                          |
|-----------|--|--|
| 3⅝"       | AutoSprinkler<br>AutoSprinkler                                 | <b>WP2HAS-P</b><br><b>WP2HAS-C</b>       |
|           | StandPipe<br>StandPipe   | <b>WP2HSP-P</b><br><b>WP2HSP-C</b>       |
|           | AutoSprinkler StandPipe Combo<br>AutoSprinkler StandPipe Combo | <b>WP2H-ASSP-P</b><br><b>WP2H-ASSP-C</b> |
|           | Hydrant  | <b>WP2H-HY-P</b>                         |
|           | PumpTest<br>PumpTest   | <b>WP2H-PT-P</b><br><b>WP2H-PT-C</b>     |
|           |  |  |

### Dimensions



| Hole Size | A   | B  | C   | D        |
|-----------|-----|----|-----|----------|
| 3⅝"       | 14" | 8" | 7⅞" | 4-15/16" |

## Wall Plate for Concealed Three Way Bodies

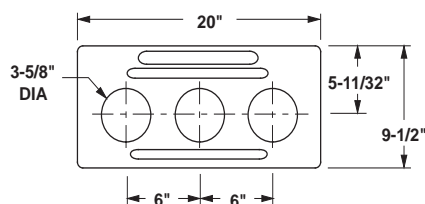
### Features:

- finishes: -P polished, -C polished chrome plated
- 4-hole and 6-hole wall plates available, consult Dixon® for information



| Hole Size | Positioned | Branding      | Brass<br>Part # |
|-----------|------------|---------------|-----------------|
| 3⅝"       | Horizontal | AutoSprinkler | <b>WP3HAS-P</b> |
|           | Horizontal | AutoSprinkler | <b>WP3HAS-C</b> |
|           | Horizontal | StandPipe     | <b>WP3HSP-P</b> |
|           | Horizontal | StandPipe     | <b>WP3HSP-C</b> |

### Dimensions



## Double Clapper Concealed Type Siamese Assemblies

### Features:

- fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- branded: 'standpipe', 'auto-sprkr', 'auto-sprkr.-standpipe'
- finishes: -P polished or -C polished chrome plated
- maximum operating pressure: **250 PSI**
- complete unit consisting of the following six parts: (1) 4025REV90, or 4030REV90, or 90CREV6025, (1) 24-385 plate, (2) 23-270 double female connections, (2) 17-127 plugs with chains

| Outlet Female NPT Thread | (2) Inlets Female NST (NH) Thread | Branding      | Cast Brass Part #     |
|--------------------------|-----------------------------------|---------------|-----------------------|
| 4"                       | 2½"                               | AutoSprinkler | <b>2WCA4025F-P</b>    |
| 4"                       | 2½"                               | StandPipe     | <b>2WCA4025F-SP-P</b> |
| 4"                       | 2½"                               | AutoSprinkler | <b>2WCA4025F-C</b>    |
| 4"                       | 2½"                               | StandPipe     | <b>2WCA4025F-SP-C</b> |
| 4"                       | 3"                                | AutoSprinkler | <b>2WCA4030F-P</b>    |
| 6"                       | 2½"                               | AutoSprinkler | <b>2WCA6025F-P</b>    |
| 6"                       | 2½"                               | StandPipe     | <b>2WCA6025F-SP-P</b> |
| 6"                       | 2½"                               | AutoSprinkler | <b>2WCA6025F-C</b>    |
| 6"                       | 2½"                               | StandPipe     | <b>2WCA6025F-SP-C</b> |

- other branding and finishes are also available, consult Dixon® for information



Fire Fittings & Accessories

## Two Way Sidewalk Siamese Assemblies

### Features:

- UL listed, FM approved
- finishes: -P polished or -C polished chrome plated
- complete unit consists of: (1) 21-133 90° Siamese body, double clapper, (2) 17-127 pin lug plugs with chains, (1) 23-404 sleeve, (1) 24-405 escutcheon plate

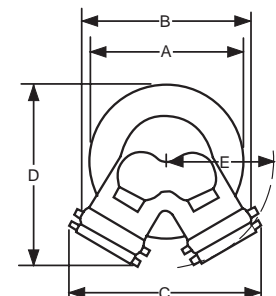
| Outlet Female NPT Thread | (2) Inlets Female Thread | Cast Brass Part #   |
|--------------------------|--------------------------|---------------------|
| 4"                       | 2½"                      | <b>2WSA4025F</b>    |
| 4"                       | 2½"                      | <b>2WSA4025F-SP</b> |
| 6"                       | 2½"                      | <b>2WSA6025F</b>    |
| 6"                       | 2½"                      | <b>2WSA6025F-SP</b> |



### Dimensions

| Size           | A    | B    | C    | E    | F   |
|----------------|------|------|------|------|-----|
| 4" x 2½" x 2½" | 9¼"  | 10⅜" | 10¾" | 10⅜" | 6⅝" |
| 6" x 2½" x 2½" | 11¼" | 10½" | 11¾" | 13"  | 7¼" |

Note: some components UL listed/FM approved, not entire assembly





## Single Inlet Residential Sprinkler Connection

**Application:**

- complete single inlet connection (exposed type) used on residential automatic sprinkler systems

**Features:**

- complete unit consists of: (1) 17-127 1½" pin lug plug with chain and (1) 24-209 4-7/16" OD round escutcheon plate with swivel

| Inlet Female<br>NST (NH) Thread | Outlet Female<br>NPT Thread | Cast Brass<br>Part # |
|---------------------------------|-----------------------------|----------------------|
| 1½"                             | 1½"                         | <b>RIC150F</b>       |

## Single Inlet Connections

**Features:**

- provides a complete exposed single inlet connection
- finish: -P polished or -C polished chrome plated
- complete unit consists of: (1) 24-209 round plate branded Auto Sprinkler, (1) 23-270 double female or 09-215 male and female connection, (1) 17-127 pin lug plug with chain
- rigid hexagon end of either connection is 2½" NPT
- swivel end

| Inlet Female<br>NST (NH) Thread | Outlet Female<br>NPT Thread | Brass<br>Part #  |
|---------------------------------|-----------------------------|------------------|
| 2½"                             | 2½"                         | <b>SIC250F</b>   |
| 2½"                             | 2½"                         | <b>SIC250F-P</b> |
| 2½"                             | 2½"                         | <b>SIC250F-C</b> |

## Single Hydrant Connection

**Features:**

- finish: -P polished or -C polished chrome plated
- complete unit consists of: (1) 24-209 round plate branded 'Wall Hydrant', (1) 23-272: 2½" female and male connection, (1) 17-126 cap with chain

| Inlet Female<br>NPT Thread | Outlet Male<br>NST (NH) Thread | Cast Brass<br>Part # |
|----------------------------|--------------------------------|----------------------|
| 2½"                        | 2½"                            | <b>MOCA250F</b>      |

## Exposed Two Way Wall Hydrants

**Features:**

- finish: -P polished or -C polished chrome plated
- DMOCA40225F consists of: (1) REP400HY round plate branded 'Wall Hydrant', (1) FRC4025F: 2½" female and male connection, (2) FC250F cap with chain
- DMOCA60225F consists of: (1) REP600HY round plate branded 'Wall Hydrant', (1) FRC6025F: 2½" female and male connection, (2) FC250F cap with chain

| Inlet<br>Female NPT Thread | (2) Outlets Male NST<br>(NH) Thread | Cast Brass<br>Part # |
|----------------------------|-------------------------------------|----------------------|
| 4"                         | 2½"                                 | <b>DMOCA40225F</b>   |
| 6"                         | 2½"                                 | <b>DMOCA60225F</b>   |

Round **Identification Plates****Features:**

- used to trim out and identify exposed fire department connections
- for Siamese, made in 9¼" diameter for 4" pipe and 11¼" diameter for 6" pipe
- finishes: -P polished, -C polished chrome plated

| Pipe Size | Branding                   | Cast Brass Part #             |
|-----------|----------------------------|-------------------------------|
| 2½"       | Auto-Sprinkler             | <b>REP250AS</b>               |
|           | Auto-Sprinkler             | <b>REP250AS-P</b>             |
|           | Auto-Sprinkler             | <b>REP250AS-C</b>             |
|           | Wall Hydrant               | <b>REP250HY</b>               |
|           | Pump Test                  | <b>REP250PT</b>               |
|           | Standpipe                  | <b>REP250SP</b>               |
|           | Standpipe                  | <b>REP250SP-P</b>             |
|           | Standpipe                  | <b>REP250SP-C</b>             |
|           | Auto-Sprinkler & Standpipe | <b>REP250AS/SP</b>            |
| 4"        | Auto-Sprinkler             | <b>AREP400AS</b> <sup>1</sup> |
|           | Auto-Sprinkler             | <b>REP400AS</b>               |
|           | Auto-Sprinkler             | <b>REP400AS-P</b>             |
|           | Auto-Sprinkler             | <b>REP400AS-C</b>             |
|           | Wall Hydrant               | <b>REP400HY</b>               |
|           | Standpipe                  | <b>REP400SP</b>               |
|           | Standpipe                  | <b>REP400SP-P</b>             |
|           | Standpipe                  | <b>REP400SP-C</b>             |
|           | Auto-Sprinkler & Standpipe | <b>REP400AS/SP</b>            |
| 6"        | Auto-Sprinkler             | <b>REP600AS</b>               |
|           | Auto-Sprinkler             | <b>REP600AS-P</b>             |
|           | Auto-Sprinkler             | <b>REP600AS-C</b>             |
|           | Standpipe                  | <b>REP600SP</b>               |
|           | Standpipe                  | <b>REP600SP-P</b>             |
|           | Standpipe                  | <b>REP600SP-C</b>             |

<sup>1</sup> aluminum

## Dimensions

| Size | OD   | Hole Size |
|------|------|-----------|
| 2½"  | 7⅝"  | 3¼"       |
| 4"   | 9¼"  | 4⅝"       |
| 6"   | 11¼" | 6¾"       |



REP250AS-C



REP250AS-P



REP400AS



## British Instantaneous Fittings

## Features:

- polished finish
- meets BS336 specifications



## Female x female threads

| Female<br>BRIT Thread | Female Thread           | Brass<br>Part #                  |
|-----------------------|-------------------------|----------------------------------|
| 2½"                   | 2½" NST (NH)<br>2½" NPT | <b>BID250F</b><br><b>BID250T</b> |

## Female x male threads



| Female<br>BRIT Thread | Male Thread             | Brass<br>Part #                  |
|-----------------------|-------------------------|----------------------------------|
| 2½"                   | 2½" NST (NH)<br>2½" NPT | <b>BIB250F</b><br><b>BIB250T</b> |

## Male x female threads



| Male<br>BRIT Thread | Female Thread           | Brass<br>Part #                  |
|---------------------|-------------------------|----------------------------------|
| 2½"                 | 2½" NST (NH)<br>2½" NPT | <b>BIA250F</b><br><b>BIA250T</b> |

## Male x male threads



| Male<br>BRIT Thread | Male Thread             | Brass<br>Part #                  |
|---------------------|-------------------------|----------------------------------|
| 2½"                 | 2½" NST (NH)<br>2½" NPT | <b>BIF250F</b><br><b>BIF250T</b> |

## British Instantaneous Fittings

### Hose Shanks

| Size                             | Brass Part #  |
|----------------------------------|---------------|
| 2½" male BRIT x 1½" hose shank   | <b>BIE150</b> |
| 2½" male BRIT x 2½" hose shank   | <b>BIE250</b> |
| 2½" female BRIT x 1½" hose shank | <b>BIC150</b> |
| 2½" female BRIT x 2½" hose shank | <b>BIC250</b> |



BIE150



BIC150

Fire Fittings & Accessories

### Plug

| Size | Brass Part #   |
|------|----------------|
| 2½"  | <b>BIDP250</b> |

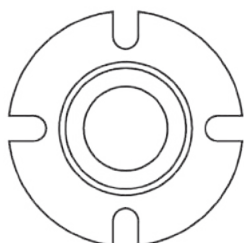


### Cap

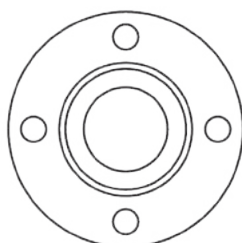
| Size | Brass Part #   |
|------|----------------|
| 2½"  | <b>BIDC250</b> |



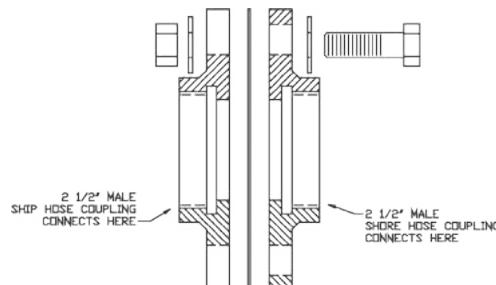
## International Shore Connections



ship connection  
09-319



shore connection  
09-318



### Features:

- meets US Coast Guard specifications for vessels 1000 gross tons or more
- makes possible the connection of two different threads between ship and shore or between ships
- 7" OD brass flange with 4¾" holes
- includes 8 washers, 4 hexagon brass nuts, 4 hex head bolts, 1 washer, 1 fiber gasket
- working pressure: **300 PSI**
- NST (NH) threads standard, also available in NPT and NYFD threads

| Description | Brass Part #        |
|-------------|---------------------|
| shore side  | <b>09-318-00001</b> |
| ship side   | <b>09-319-00001</b> |



shore side



ship side

Pick Head Fire Axe



- Features:**
- red trim
  - 36" hickory handle
  - listed in the minimum requirements approval guides for outfitting hose houses and hose cabinets by insurance underwriters

| Description  | Part #          |
|--------------|-----------------|
| 6 lb. axe    | <b>PHFA6</b>    |
| axe brackets | <b>PHFA-B-A</b> |



Sprinkler Line Tester



- Feature:**
- installs on the last sprinkler head on system branch lines and controls water flow for flushing or testing the system

| Inlet         | Outlet       | Brass<br>Part # |
|---------------|--------------|-----------------|
| 1" female NPT | 1" male NPSH | <b>SLT10050</b> |

## Domestic Cast Angle Valves

**Features:**

- UL listed and FM approved
- aluminum hand wheel
- working pressure: **300 PSI at 70°F (21°C)**

**Female x Male**

| Inlet<br>Female NPT | Outlet<br>Male Thread | Cast Brass<br>Part #          |
|---------------------|-----------------------|-------------------------------|
| 1½"                 | 1½" NST (NH)          | <b>AV150</b>                  |
|                     | 1½" NPSH              | <b>AV150S</b>                 |
|                     | 1½" NPT               | <b>AV150T</b>                 |
| 2½"                 | 2½" NST (NH)          | <b>AV250</b>                  |
|                     | 2½" NYFD              | <b>AV250NYFD</b> <sup>1</sup> |

<sup>1</sup> supplied with red hand wheel

**Female x Female**

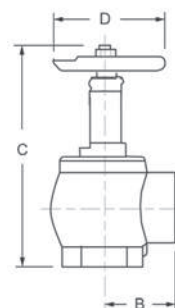
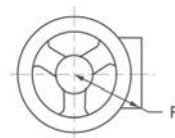
| Inlet<br>Female NPT | Outlet<br>Female NPT | Cast Brass<br>Part # |
|---------------------|----------------------|----------------------|
| 1½"                 | 1½"                  | <b>AVF150</b>        |
| 2½"                 | 2½"                  | <b>AVF250</b>        |

**Replacement Parts**

| Description                      | Part #           |
|----------------------------------|------------------|
| aluminum handwheel for 1½" valve | <b>AV150-W</b>   |
| aluminum handwheel for 2½" valve | <b>AV250-W</b>   |
| handwheel nut for 1½" valve      | <b>AV150-N</b>   |
| handwheel nut for 2½" valve      | <b>AV250-N</b>   |
| valve seal rubber for 1½" valve  | <b>AV150-RBR</b> |
| valve seal rubber for 2½" valve  | <b>AV250-RBR</b> |

**Dimensions**

| Size | A        | B       | C closed | C open   | D   | F        |
|------|----------|---------|----------|----------|-----|----------|
| 1½"  | 2-11/64" | 2-7/32" | 6⅝"      | 7-21/32" | 3¾" | 2-13/16" |
| 2½"  | 3-3/16"  | 3-3/16" | 9¼"      | 11"      | 5"  | 3-19/32" |







## Grooved Angle Valves

**Application:**

- commercial fire protection

**Features:**

- made in the USA
- easy for contractor to install
- groove inlet
- Buna-N gasket
- working pressure: **300 PSI at 70°F (21°C)**
- UL listed, FM approved, ULC approved

| Description     | Cast Brass Part # |
|-----------------|-------------------|
| groove x male   | <b>AVG250F</b>    |
| groove x groove | <b>AVG250G</b>    |
| groove x female | <b>AVGF250</b>    |



## 500# Angle Hose Valves

**Applications:**

- fire department, gravity and pressure tank connections, test connections, and public water supplies to sprinkler and standpipe systems where it is necessary to access the system for a fire hose connection

**Features:**

- designed and approved to manage 500 PSI pressures in piping systems
- red handwheel
- FM approved
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- maximum operating pressure: **500 PSI at 70°F (21°C)**

**Female x Male**

| Inlet<br>Female NPT | Outlet<br>Male Thread | Cast Brass<br>Part # |
|---------------------|-----------------------|----------------------|
| 2½"                 | 2½" NST (NH)          | <b>AV5-250F</b>      |
| 2½"                 | 2½" NYFD              | <b>AV5-250NYFD</b>   |

**Female x Female**

| Inlet<br>Female NPT | Outlet<br>Female NPT | Cast Brass<br>Part # |
|---------------------|----------------------|----------------------|
| 2½"                 | 2½"                  | <b>AVF5-250</b>      |

## Global Cast Angle Valves

**Features:**

- NPT inlet thread only
- aluminum handwheel
- working pressure: **300 PSI at 70°F (21°C)**
- UL listed and FM approved
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- available finishes:
  - cast (standard)
  - polished: -P
  - chrome: -C
  - minimum quantity for special thread, consult Dixon®

**Female Inlet**

| Inlet<br>Female NPT | Outlet<br>Male Thread | Cast Yellow DZR Brass<br>Part # |
|---------------------|-----------------------|---------------------------------|
| 1½"                 | 1½" male NST (NH)     | <b>AV150-I</b>                  |
| 2½"                 | 2½" male NST (NH)     | <b>AV250-I</b>                  |
| 2½"                 | 2½" MNYFD             | <b>AV250NYFD-I</b>              |

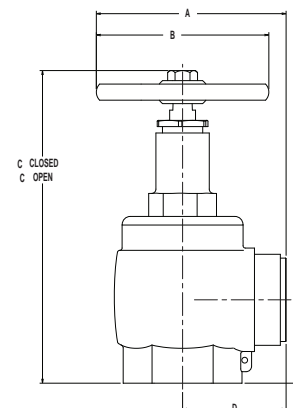
**Double Female****Features:**

- NPT inlet and outlet
- aluminum handwheel
- working pressure: **300 PSI at 70°F (21°C)**
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- available finish:
  - cast (standard)
  - polished = -P
  - chrome = -C

| Inlet<br>Female NPT | Outlet<br>Female NPT | Cast Yellow DZR Brass<br>Part # |
|---------------------|----------------------|---------------------------------|
| 1½"                 | 1½"                  | <b>AVF150-I</b>                 |
| 2½"                 | 2½"                  | <b>AVF250-I</b>                 |

**Dimensions**

| Size | A     | B     | C closed | C open | D     | E     | Wt. in Lbs. |
|------|-------|-------|----------|--------|-------|-------|-------------|
| 1½"  | 4.13" | 3.75" | 6.80"    | 7.78"  | 2.25" | 1.81" | 4.4         |
| 2½"  | 5.69" | 5.00" | 9.00"    | 10.72" | 3.19" | 2.59" | 9.5         |





## Global Forged Angle Hose Valves

**Features:**

- to be used with a fire hose rack assembly, or as a fire department outlet connection
- UL listed and FM approved
- red steel handwheel
- maximum operating pressure: **300 PSI at 70°F (21°C)**
- polished or chrome plated parts with other outlet threads are also available, consult Dixon® for information

**Female x Male**

| Inlet<br>Female NPT | Outlet<br>Male Thread | Forged Brass<br>Part # |
|---------------------|-----------------------|------------------------|
| 1½"                 | 1½" NST (NH)          | <b>AV151</b>           |
| 2½"                 | 2½" NST (NH)          | <b>AV251</b>           |
|                     | 2½" NYC               | <b>AV251NYC</b>        |
|                     | 2½" NYFD              | <b>AV251NYFD</b>       |

**Female x Female**

| Inlet<br>Female NPT | Outlet<br>Female NPT | Forged Brass<br>Part # |
|---------------------|----------------------|------------------------|
| 1½"                 | 1½"                  | <b>AVF151</b>          |
| 2½"                 | 2½"                  | <b>AVF251</b>          |



handwheel nut



valve seal

**Replacement Parts**

| Description                         | Part #           |
|-------------------------------------|------------------|
| handwheel for 1½" valve             | <b>AV151-WR</b>  |
| handwheel for 2½" valve             | <b>AV251-WR</b>  |
| handwheel nut for 1½" and 2½" valve | <b>AV251-N</b>   |
| valve seal rubber for 1½" valve     | <b>AV151-RBR</b> |
| valve seal rubber for 2½" valve     | <b>AV251-RBR</b> |

## Non-rising Stem Wedge Disc Gate Valves



## Features:

- red iron handwheel, with brass cap and chain
- cap not included on the NYFD threaded valve and special threaded valves
- solid wedge disc with tapered seats
- 2½" UL listed and FM approved
- FM approved
- working pressure: **300 PSI at 70°F (21°C)**
- other configurations are available, contact Dixon® for additional information

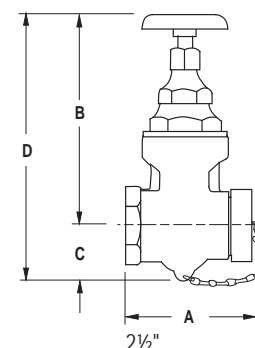
| Inlet<br>Female NPT | Outlet<br>Male Thread | UL Listed | Cast Brass<br>Part # |
|---------------------|-----------------------|-----------|----------------------|
| 1½"                 | 1½" NST (NH)          | no        | <b>WDGV150F</b>      |
| 2½"                 | 2½" NST (NH)          | yes       | <b>WDGV250F</b>      |
| 2½"                 | 2½" NYFD              | yes       | <b>WDGV250NYFD</b>   |



Fire Fittings &amp; Accessories

## Dimensions

| Size | A        | B    | C   | D    |
|------|----------|------|-----|------|
| 1½"  | 3-49/64" | 5⅝"  | 1⅞" | 6⅝"  |
| 2½"  | 6"       | 10¾" | 2½" | 13¼" |



## Global Non-rising Stem Wedge Disc Gate Valves



## Features:

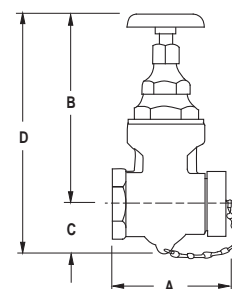
- working pressure: **300 PSI (2069 kPa)**
- custom male thread available
- UL listed and FM approved
- non-rising stem
- cast brass with solid wedge disc and tapered seats
- red iron wheel handle with cap and chain (cap not supplied on non-standard threads)
- alloy = DZR brass
- furnished with 2½" NST brass cap and chain
- available finishes:
  - cast (standard)
  - polished trim - P
  - cast chrome - RC
  - polished chrome trim - C

| Inlet<br>Female NPT | Outlet<br>Male NST | UL Listed | Cast DZR Brass<br>Part # |
|---------------------|--------------------|-----------|--------------------------|
| 2½"                 | 2½"                | yes       | <b>GWDGV250F</b>         |



## Dimensions

| Size | A  | B   | C   | D   |
|------|----|-----|-----|-----|
| 2½"  | 5" | 7¾" | 2½" | 10" |





## Non-rising Stem Wedge Disc Gate Valves

### Applications:

- for use on standpipes, fire pumps and hydrants

### Features:

- satin finish
- red handwheel
- solid wedge disc with tapered seats
- straightway pattern
- UL listed and FM approved
- working pressure: **300 PSI at 70°F (21°C)**



| Inlet<br>Female NPT | Outlet<br>Male NST (NH) | Forged Brass<br>Part # |
|---------------------|-------------------------|------------------------|
| 2½"                 | 2½"                     | <b>WDGV251F</b>        |
| 3"                  | 2½"                     | <b>WDGV3025F</b>       |

## Rising Stem Wedge Disc Gate Valves

### Features:

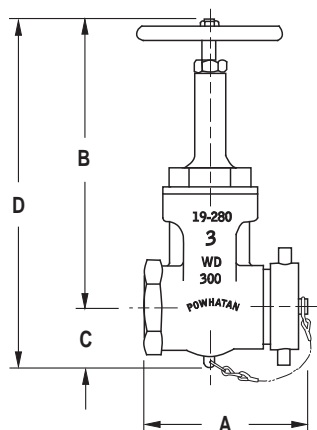
- red iron handwheel, with brass cap and chain
- solid wedge disc with tapered seats
- not recommended for wet standpipe systems, use AV250 (18-157) for this purpose, see page 821
- other configurations are available, contact Dixon® for additional information



| Inlet<br>Female NPT | Outlet<br>Male | Working<br>Pressure<br>PSI | Cast Brass<br>Part #          |
|---------------------|----------------|----------------------------|-------------------------------|
| 2½"                 | 2½" NST (NH)   | <b>200</b>                 | <b>RWDGV250F</b>              |
| 3"                  | 2½" NST (NH)   | <b>300</b>                 | <b>RWDGV3025F<sup>1</sup></b> |

<sup>1</sup> UL listed

### Dimensions



| Size     | A       | B closed | C   | D closed | D open |
|----------|---------|----------|-----|----------|--------|
| 2½"      | 6½"     | 11       | 2½" | 13½"     | 16¼"   |
| 3" x 2½" | 6-3/16" | 11       | 2½" | 13½"     | 16¼"   |



## Single Hydrant Gate Valves with Hand Wheel

**Application:**

- used to throttle the flow from a fire hydrant preventing damage to the hydrant

**Features:**

- O-ring seal
- UL listed
- for use on standpipes and fire pumps where UL listing is required
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- other configurations are available, contact Dixon® for additional information

| Inlet<br>Female | Outlet<br>Male | Cast Red Brass<br>Part # |
|-----------------|----------------|--------------------------|
| 2½" NST (NH)    | 2½" NST (NH)   | <b>UHGV250F</b>          |
| 2½" NST (NH)    | 2½" NST (NH)   | <b>UHGV250F-D</b>        |



Fire Fittings &amp; Accessories

## Replacement Part

| Description | Part #           |
|-------------|------------------|
| handwheel   | <b>UHGV250-W</b> |



## Single Hydrant Gate Valves with Speed Handle

**Application:**

- used to throttle the flow from a fire hydrant preventing damage to the hydrant

**Features:**

- pin lug swivel, non-rising stem, aluminum speed handle
- rubber seal
- for use on hydrants, standpipes, and fire pumps
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- other configurations are available, contact Dixon® for additional information

| Inlet<br>Female | Outlet<br>Male | Cast Red Brass<br>Part # |
|-----------------|----------------|--------------------------|
| 2½" NST (NH)    | 2½" NST (NH)   | <b>HGV250F</b>           |
| 2½" NST (NH)    | 2½" NST (NH)   | <b>HGV250F-D</b>         |
| 2½" NST (NH)    | 2½" NPSH       | <b>HGV250</b>            |



## Replacement Part

| Description  | Aluminum<br>Part # |
|--------------|--------------------|
| speed handle | <b>HGV250-H</b>    |







## Single Hydrant Gate Valves with Handwheel

**Application:**

- protects fire hydrants from damage that can occur if they are used for throttling

**Features:**

- pin lug swivel, non-rising stem, red handwheel
- metal to metal seal
- UL listed
- for use on hydrants, standpipes, and fire pumps
- maximum operating pressure: **300 PSI** (water only) at **70°F (21°C)**



| Inlet<br>Female | Outlet<br>Male | Forged Brass<br>Part # |
|-----------------|----------------|------------------------|
| 2½" NST (NH)    | 2½" NST (NH)   | <b>HGVW250F</b>        |

**Replacement Part**

| Description | Part #           |
|-------------|------------------|
| handwheel   | <b>HGVW250-W</b> |

## Hydrant Gate Valves with Speed Handle

**Features:**

- protects fire hydrants from damage that can occur if they are used for throttling
- full 2½" waterway
- anodized throughout - minimum thickness 0.001"
- test pressure: **250 PSI**, working pressure: **100 PSI** at **70°F (21°C)**



| Inlet<br>Female Swivel | Outlet<br>Male | Aluminum Alloy, 356-T6<br>Part # |
|------------------------|----------------|----------------------------------|
| 2½" NPSH               | 2½" NPSH       | <b>AHGV250</b>                   |
| 2½" NST (NH)           | 2½" NST (NH)   | <b>AHGV250F</b>                  |

**Replacement Part**

handwheel and knob

| Description        | Part #           |
|--------------------|------------------|
| handwheel and knob | <b>HGV-HDWHL</b> |
| knob only          | <b>HGV-KNOB</b>  |

## Global Hydrant Gate Valves with Speed Handle

**Application:**

- protects fire hydrants from damage that can occur if they are used for throttling

**Features:**

- pin lug swivel, non-rising stem, aluminum speed handle
- non-metallic seal
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**



| Inlet<br>Female NST (NH) | Outlet<br>Male NST (NH) | Aluminum Alloy<br>Part # |
|--------------------------|-------------------------|--------------------------|
| 2½"                      | 2½"                     | <b>AHGV250F-I</b>        |

**Replacement Part**

| Description  | Aluminum<br>Part # |
|--------------|--------------------|
| speed handle | <b>AHGV250F-H</b>  |

## Large Diameter (LDH) Gate Valves

**Application:**

- used on the suction intake and discharge sides of a pumper or on a hydrant

**Features:**

- 30° elbow needs only 8 easy turns to open and close
- non-rising stem, with an air bleed off
- finish anodized throughout - minimum thickness 0.001"
- maximum operating pressure: **280 PSI at 70°F (21°C)**, without relief valve
- 4½" minimum waterway

**Storz x Storz**

| Inlet Storz | Outlet Storz | Length | Width | Height | Aluminum Alloy, 356-T6<br>Part # |
|-------------|--------------|--------|-------|--------|----------------------------------|
| 4"          | 4"           | 9"     | 6¼"   | 19½"   | <b>SGV440</b>                    |
|             | 5"           | 9"     | 7¾"   | 19½"   | <b>SGV450</b>                    |
| 5"          | 4"           | 9"     | 7¾"   | 19½"   | <b>SGV540</b>                    |
|             | 5"           | 9"     | 7¾"   | 19½"   | <b>SGV550</b>                    |

- all measurements include handles

**Storz x Storz 30° with Air Bleeder**

| Inlet Storz | Outlet Storz | Length | Width | Height | Aluminum Alloy, 356-T6<br>Part # |
|-------------|--------------|--------|-------|--------|----------------------------------|
| 4"          | 4"           | 9"     | 6¼"   | 20.0"  | <b>SGV30-440</b>                 |
|             | 5"           | 9"     | 7¾"   | 20.0"  | <b>SGV30-450</b>                 |
| 5"          | 4"           | 9"     | 7¾"   | 20.0"  | <b>SGV30-540</b>                 |
|             | 5"           | 9"     | 7¾"   | 20.0"  | <b>SGV30-550</b>                 |

- all measurements include handles

**Storz x Female Swivel**

| Inlet Storz | Outlet Female NST Swivel | Length | Width | Height | Aluminum Alloy, 356-T6<br>Part # |
|-------------|--------------------------|--------|-------|--------|----------------------------------|
| 4"          | 4"                       | 9"     | 6"    | 19½"   | <b>FSGV440F</b>                  |
|             | 4½"                      | 9"     | 6½"   | 19½"   | <b>FSGV445F</b>                  |
|             | 5"                       | 9"     | 7"    | 19½"   | <b>FSGV450F</b>                  |
|             | 6"                       | 9"     | 8"    | 19½"   | <b>FSGV460F</b>                  |
| 5"          | 4"                       | 9"     | 6"    | 19½"   | <b>FSGV540F</b>                  |
|             | 4½"                      | 9"     | 6½"   | 19½"   | <b>FSGV545F</b>                  |
|             | 5"                       | 9"     | 7"    | 19½"   | <b>FSGV550F</b>                  |
|             | 6"                       | 9"     | 8"    | 19½"   | <b>FSGV560F</b>                  |

- all measurements include handles



## Wharf Hydrants

**Features:**

- used to provide a fire department outlet connection
- pentagon nut at top of spindle discourages unauthorized use
- hydrostatically tested
- maximum operating pressure: **300 PSI at 70°F (21°C)**

| Inlet<br>Female NPT | Outlet<br>Male NST (NH) | Height<br>Open | Height<br>Closed | Cast Brass<br>Part # |
|---------------------|-------------------------|----------------|------------------|----------------------|
| 3"                  | 2½"                     | 16.38          | 14.25            | <b>WHYD3025F</b>     |
| 4"                  | 2½"                     | 16.38          | 14.25            | <b>WHYD4025F</b>     |
| 4"                  | 4½"                     | 18.13          | 15.63            | <b>WHYD4045F</b>     |

**Replacement Parts**

hand wheel



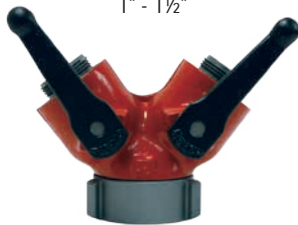
pentagon hex nut

| Description         | Part #              |
|---------------------|---------------------|
| optional hand wheel | <b>46-030-00025</b> |
| pentagon hex nut    | <b>44-251-00006</b> |

## Forestry Grade ¼ Turn Ball Type Wye Valves



1" - 1½"



2½"

**Features:**

- cast aluminum swivel inlet, anodized body, hard-coated threads
- built to US Forest Service specifications
- 1" and 1½" for use up to **600 PSI** (water/AFFF only); 2½" for use up to **400 PSI** (water/AFFF only)

| Female Thread | (2) Male Threads | Cast Aluminum<br>Part # |
|---------------|------------------|-------------------------|
| 1" NPSH       | 1" NPSH          | <b>FWV10S10S</b>        |
| 1½" NPSH      | 1½" NPSH         | <b>FWV15S15S</b>        |
| 1½" NST (NH)  | 1½" NST (NH)     | <b>FWV15F15F</b>        |
| 2½" NST (NH)  | 1½" NST (NH)     | <b>FWV25F15F</b>        |
| 2½" NST (NH)  | 2½" NST (NH)     | <b>FWV25F25F</b>        |

## ¼ Turn Ball Type Wye Valve

**Features:**

- rocker lug swivel
- operates easily under high pressure
- handles are not field replaceable
- seals on the ball are field adjustable and field replaceable
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

**Specification:**

- meets NSN specifications # 4210-00-255-0234

| Inlet<br>Female | (2) Outlets<br>Male | Cast Brass<br>Part # |
|-----------------|---------------------|----------------------|
| 2½" NST (NH)    | 1½" NPSH            | <b>S7337S</b>        |



## Full Flow ¼ Turn Ball Type Wye Valves

**Features:**

- recommended for charged pre-connected hose lines
- pin lug swivel
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- other configurations are available, contact Dixon® for additional information

| Inlet<br>Female Swivel | (2) Outlets<br>Male | Cast Brass<br>Part # |
|------------------------|---------------------|----------------------|
| 1½" NPSH               | 1½" NPSH            | <b>S7100-15S</b>     |
| 1½" NST (NH)           | 1½" NST (NH)        | <b>S7100-15</b>      |
| 2½" NST (NH)           | 1½" NST (NH)        | <b>S7100</b>         |



## Leader Line ¼ Turn Ball Type Wye Valve

**Features:**


- body painted red with chrome trim
- maximum operating pressure: **400 PSI** (water only) at **70°F (21°C)**

| Inlet<br>Female NST (NH) | (2) Outlets<br>Male NST (NH) | Brass<br>Part #  |
|--------------------------|------------------------------|------------------|
| 2½"                      | 1½"                          | <b>LLBV2515F</b> |



## ¼ Turn Plug Type Wye Valves

**Features:**

- pin lug swivel
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- not recommended for charged pre-connected hose 

| Inlet Female<br>NST (NH) | (2) Outlets<br>Male | Cast Brass<br>Part # |
|--------------------------|---------------------|----------------------|
| 2½"                      | 1½" NST (NH)        | <b>S6175</b>         |
| 2½"                      | 1½" NPSH            | <b>S6175S</b>        |



## 2-Way Ball Valves



| Inlet Female Swivel | (2) Outlet Male | Aluminum Part #   |
|---------------------|-----------------|-------------------|
| 1 1/2" NST (NH)     | 1 1/2" NST (NH) | <b>FMBV15F15F</b> |
| 1 1/2" NPSH         | 1 1/2" NPSH     | <b>FMBV15S15S</b> |
| 2 1/2" NST (NH)     | 1 1/2" NST (NH) | <b>FMBV25F15F</b> |
| 2 1/2" NST (NH)     | 2 1/2" NST (NH) | <b>FMBV25F25F</b> |
| 4" NST (NH)         | 2 1/2" NST (NH) | <b>FMBV40F25F</b> |
| 4 1/2" NST (NH)     | 2 1/2" NST (NH) | <b>FMBV45F25F</b> |

## Plain Wyes with Pin Lugs

## Features:

- divides one stream into two
- other configurations are available, contact Dixon® for additional information



| Inlet Female    | (2) Outlets Male | Cast Brass Part # |
|-----------------|------------------|-------------------|
| 1 1/2" NST (NH) | 1 1/2" NST (NH)  | <b>PW15F15F</b>   |
| 1 1/2" NPSH     | 1 1/2" NPSH      | <b>PW15S15S</b>   |
| 2 1/2" NST (NH) | 1 1/2" NST (NH)  | <b>PW25F15F</b>   |
| 2 1/2" NST (NH) | 2 1/2" NST (NH)  | <b>PW25F25F</b>   |

## Straight Globe Valves

## Features:

- ideal for wet and combination systems
- used with a fire hose rack assembly, or as a fire department outlet connection
- aluminum handwheel
- maximum operating pressure: **300 PSI at 70°F (21°C)**

## Female x Male

| Inlet<br>Female NPT | Outlet<br>Male NST (NH) | Cast Brass<br>Part # |
|---------------------|-------------------------|----------------------|
| 1½"                 | 1½"                     | <b>SGV150F</b>       |
| 2½"                 | 2½"                     | <b>SGV250F</b>       |



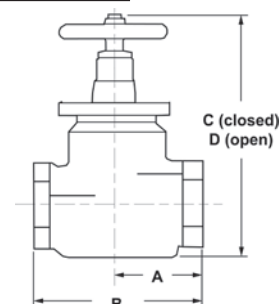
## Female x Female

| Inlet<br>Female NPT | Outlet<br>Female NPT | Cast Brass<br>Part # |
|---------------------|----------------------|----------------------|
| 1½"                 | 1½"                  | <b>SGVF150</b>       |
| 2½"                 | 2½"                  | <b>SGVF250</b>       |



## Dimensions

| Size | A       | B       | C closed | D open |
|------|---------|---------|----------|--------|
| 1½"  | 2⅞"     | 4¾"     | 7¼"      | 8"     |
| 2½"  | 3-9/32" | 6-9/16" | 7⅜"      | 8⅞"    |

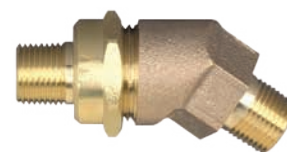


## Angled Ball Drip Valves

## Features:

- seals automatically under pressure
- installed horizontally, the ball seats at approximately **8-10 PSI**
- working pressure: **175 PSI at 70°F (21°C)**

| Male NPT | Male NPT | Brass<br>Part # |
|----------|----------|-----------------|
| ½"       | ½"       | <b>ASBDV50</b>  |
| ¾"       | ¾"       | <b>ASBDV75</b>  |



## Straight Ball Drip Valves

## Application:

- designed to drain the low point of a system

## Features:

- place valve between a fire department connection and a swing check valve
- seals automatically under pressure
- install horizontally
- working pressure: **175 PSI at 70°F (21°C)**


| Male NPT | Male NPT | Brass<br>Part # |
|----------|----------|-----------------|
| ½"       | ½"       | <b>SBDV50</b>   |
| ¾"       | ¾"       | <b>SBDV75</b>   |





## Factory Set Pressure Reducing Brass Angle Valves

**Features:**

- true combination shut-off and pressure reducing valves
- 1½" reduces inlet pressure of 300 PSI (2069 kPa) or less to working pressures of **10 through 175 PSI** (69-1207 kPa); 2½" reduces inlet pressures of 400 PSI (2758 kPa) or less to working pressures of **20 through 175 PSI** (138-1207 kPa) under discharge or static conditions
- female x female valves have an open / closed indicator bonnet for confirmation of status
- tamper resistant and automatic
- available with a tamper proof switch
- all debris must be flushed from the system prior to being placed into service 
- complete switch, bracket and housing available for field mounting, consult Dixon® for price and availability
- other configurations are available, contact Dixon® for additional information

**Specifications:**

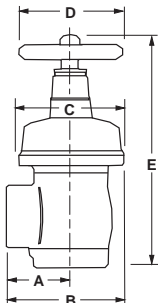
- UL listed for Automatic Sprinkler Systems as floor or zone control valves
- Standpipe Systems, Class I, II and III
- Automatic Check Valve for Dual Riser Systems
- Approved by New York City Board of Standards and Appeals, approval # MEA 54-07-E
- Approved by City of Los Angeles and the City of San Francisco (ULC 2½")

**Female x Male**

| Inlet<br>Female NPT | Outlet<br>Male NST (NH) | Cast Brass<br>Part #   |
|---------------------|-------------------------|--|
| 1½"                 | 1½"                     | <b>NAPRAV150F-15</b><br><b>NAPRAV150F-20</b><br><b>NAPRAV150F-25</b><br><b>NAPRAV150F-30</b><br><b>NAPRAV150F-35</b>                         |
| 2½"                 | 2½"                     | <b>NAPRAV250F-55</b><br><b>NAPRAV250F-60</b><br><b>NAPRAV250F-65</b><br><b>NAPRAV250F-70</b><br><b>NAPRAV250F-75</b><br><b>NAPRAV250F-80</b> |

**Female x Female**

| Inlet<br>Female NPT | Outlet<br>Female NPT | Cast Brass<br>Part #   |
|---------------------|----------------------|--|
| 1½"                 | 1½"                  | <b>NAPRAVF150-15</b><br><b>NAPRAVF150-20</b><br><b>NAPRAVF150-25</b><br><b>NAPRAVF150-30</b><br><b>NAPRAVF150-50</b>                         |
| 2½"                 | 2½"                  | <b>NAPRAVF250-55</b><br><b>NAPRAVF250-60</b><br><b>NAPRAVF250-65</b><br><b>NAPRAVF250-70</b><br><b>NAPRAVF250-75</b><br><b>NAPRAVF250-80</b> |

**Dimensions**

| Size | A       | B       | C      | D      | E closed | E open    |
|------|---------|---------|--------|--------|----------|-----------|
| 1½"  | 2-7/32" | 4-5/32" | 3 7/8" | 3 3/4" | 9-25/64" | 8-53/64"  |
| 2½"  | 3-7/32" | 6-3/32" | 5 3/4" | 5 3/4" | 11 1/8"  | 10-13/16" |

## Factory Set Pressure Reducing Brass Standard Globe Valve



## Female x Female

| Inlet<br>Female NPT | Outlet<br>Female NPT | Cast Brass<br>Part #   |
|---------------------|----------------------|--|
| 2½"                 | 2½"                  | <b>NAPRVF250-55</b><br><b>NAPRVF250-60</b><br><b>NAPRVF250-65</b><br><b>NAPRVF250-70</b><br><b>NAPRVF250-75</b><br><b>NAPRVF250-80</b> |



Fire Fittings &amp; Accessories

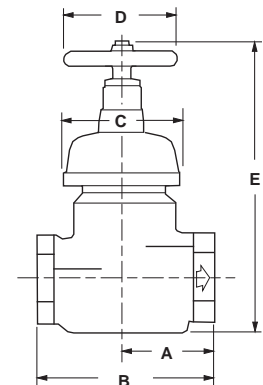
## Grooved x Grooved

| Inlet<br>Grooved | Outlet<br>Grooved | Cast Brass<br>Part #   |
|------------------|-------------------|--|
| 2½"              | 2½"               | <b>NAPRVGT250-55</b><br><b>NAPRVGT250-60</b><br><b>NAPRVGT250-65</b><br><b>NAPRVGT250-70</b><br><b>NAPRVGT250-75</b> |



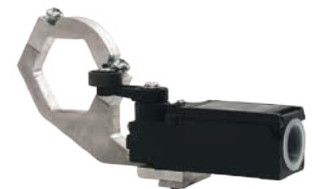
## Dimensions

| Size | Style   | A   | B   | C   | D   | E closed | E open    |
|------|---------|-----|-----|-----|-----|----------|-----------|
| 2½"  | NPT     | 3⅞" | 7¾" | 5¾" | 5¾" | 12¾"     | 12-13/16" |
| 2½"  | grooved | 4⅜" | 8¾" | 5¾" | 5¾" | 12¾"     | 12-13/16" |



## Accessories

| Description  | Part #              |
|--|---------------------|
| 2½" tamper switch bracket kit (bonnet, nut, switch, bracket) | <b>4201901587</b>   |
| switch bracket only  | <b>18-458-00017</b> |
| replacement handles for 1½" valves                           | <b>AV150-W</b>      |
| replacement handles for 2½" valves                           | <b>46-030-00025</b> |



## Factory Set Pressure Reducing (regulating) Valves

**Features:**

- (4) drilled and tapped bosses:
  - two on each side for upstream and downstream pressure monitoring
  - saves installation time and provides a cleaner appearance
- 2½" size reduces inlet pressures of **400 PSI** (2758 kPa) or less to desired working pressures from **20** through **175 PSI** (138-1207 kPa) under discharge or static conditions
- UL listed
- tamper switch available

**Angle Grooved x Grooved**

| Inlet Grooved | Outlet Grooved | Cast Brass Part #  |
|---------------|----------------|--|
| 2½"           | 2½"            | <b>NAPRAVGT250-55</b><br><b>NAPRAVGT250-60</b><br><b>NAPRAVGT250-65</b><br><b>NAPRAVGT250-70</b><br><b>NAPRAVGT250-75</b><br><b>NAPRAVGT250-80</b><br><b>NAPRAVGT250-85</b><br><b>NAPRAVGT250-95</b> |

**Angle Grooved x Female**

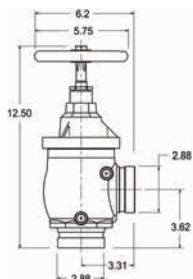
| Inlet Grooved | Outlet Female NPT | Cast Brass Part #  |
|---------------|-------------------|--|
| 2½"           | 2½"               | <b>NAPRAVGFT250-55</b><br><b>NAPRAVGFT250-60</b><br><b>NAPRAVGFT250-65</b><br><b>NAPRAVGFT250-70</b><br><b>NAPRAVGFT250-75</b><br><b>NAPRAVGFT250-80</b><br><b>NAPRAVGFT250-85</b><br><b>NAPRAVGFT250-95</b> |

**Globe Female x Female**

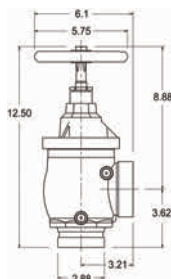
| Inlet Female NPT | Outlet Female NPT | Cast Brass Part #  |
|------------------|-------------------|--|
| 2½"              | 2½"               | <b>NAPRVFT250-55</b><br><b>NAPRVFT250-60</b><br><b>NAPRVFT250-65</b><br><b>NAPRVFT250-70</b><br><b>NAPRVFT250-75</b><br><b>NAPRVFT250-80</b><br><b>NAPRVFT250-85</b> |

**Globe Grooved x Grooved**

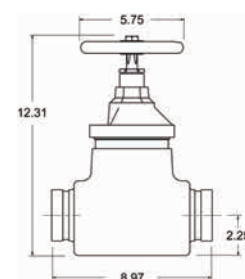
| Inlet Grooved | Outlet Grooved | Cast Brass Part #  |
|---------------|----------------|--|
| 2½"           | 2½"            | <b>NAPRVGT250-55</b><br><b>NAPRVGT250-60</b><br><b>NAPRVGT250-65</b><br><b>NAPRVGT250-70</b><br><b>NAPRVGT250-75</b><br><b>NAPRVGT250-80</b><br><b>NAPRVGT250-85</b> |

**Dimensions**

grooved x grooved angle valve



grooved x female angle valve

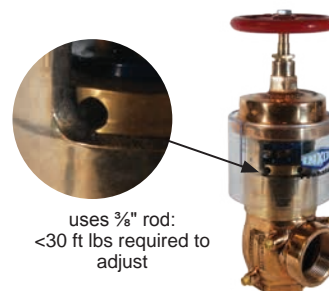


grooved x grooved globe valve

## Field Adjustable Pressure Reducing Valves

## Features:

- UL listed
- allows flexibility during installation with the ability to adjust settings once installed as hydraulic conditions change
- used in applications where the inlet pressure is greater than **175 PSI**
- ¼" NPT gauge ports - both sides, drilled and tapped standard
- ⅜" adjusting rod included



## Angle Valves

| Inlet      | Outlet     | Cast Brass Part #  |
|------------|------------|--------------------|
| 2½" FNPT   | 2½" MNST   | <b>FAPRAV250F</b>  |
| 2½" FNPT   | 2½" FNPT   | <b>FAPRAVF250</b>  |
| 2½" groove | 2½" MNST   | <b>FAPRAVG250F</b> |
| 2½" groove | 2½" groove | <b>FAPRAVG250G</b> |



## Straight Valves

| Inlet      | Outlet     | Cast Brass Part # |
|------------|------------|-------------------|
| 2½" groove | 2½" groove | <b>FAPRVG250</b>  |
| 2½" FNPT   | 2½" FNPT   | <b>FAPRVF250</b>  |



## Replacement Parts

| Description | Cast Iron Part #    |
|-------------|---------------------|
| handwheel   | <b>46-030-00025</b> |

## Setting Instructions:

1. Determine desired outlet pressure for known inlet pressure.
2. Remove the tamper-resistant screw and slide the plastic cover up to access the adjusting nut.
3. Use a ⅜" diameter rod in any one of the 6 holes in the adjusting nut and rotate counter clockwise to increase the pressure at the outlet.
4. Check valve under pressure under static and under the anticipated flowing conditions to ascertain that the setting produces the expected results.



## Adjustable Pressure Restricting Devices

## Features:

- for installation on Class I or Class III standpipe system hose outlets
- device restricts pressure in the piping system to such a degree that hose lines can be handled by persons untrained in the handling of heavy fire streams
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- 2½" UL listed
- working pressure: **175 PSI at 70°F (21°C)**

| Female Thread | Male Thread  | Cast Brass Part # |
|---------------|--------------|-------------------|
| 1½" NST (NH)  | 1½" NST (NH) | <b>APRD150F</b>   |
| 2½" NST (NH)  | 2½" NST (NH) | <b>APRD250F</b>   |





## Domestic Adjustable Pressure Restricting Angle Valves

### Application:

- used where flowing water pressure needs to be controlled

### Features:

- preset orifices restrict the volume of water thereby lowering the pressure of the flowing water; NFPA requires restricting valves where inlet pressure exceeds 100 PSI
- restricting valve has no effect on the static pressure of a system
- can be manually by-passed if required by opening the valve fully, this is accomplished by breaking the breakable link, which allows the valve stem to rise to the full open position
- breakable link also serves as an indication of valve condition and status; if valve is opened without breaking the link it will resume its previous position and no resetting is necessary
- restricts inlet pressure from 70 PSI up to a maximum of 175 PSI
- restricts down to outlet pressures of 65, 80 or 100 PSI, outlet pressures may be set below 65 PSI when authorized by the local authority having jurisdiction
- restricts only under flow conditions
- setting charts are packed with valve
- UL listed
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- maximum operating pressure: up to **175 PSI**
- aluminum handwheel
- other configurations are available, contact Dixon® for additional information



### Female x Male

| Inlet<br>Female NPT | Outlet<br>Male NST (NH) | Cast Brass<br>Part # |
|---------------------|-------------------------|----------------------|
| 1½"                 | 1½"                     | <b>AVAPR150F</b>     |
| 2½"                 | 2½"                     | <b>AVAPR250F</b>     |

### Female x Female

| Inlet<br>Female NPT | Outlet<br>Female NPT | Cast Brass<br>Part # |
|---------------------|----------------------|----------------------|
| 1½"                 | 1½"                  | <b>AVAPRF150</b>     |
| 2½"                 | 2½"                  | <b>AVAPRF250</b>     |



## Global Adjustable Pressure Restricting Angle Valves

### Application:

- used when flowing water pressure needs to be controlled

### Features:

- preset orifices restrict the volume of water thereby lowering the pressure of the flowing water; NFPA requires restricting valves where inlet pressure exceeds 100 PSI
- restricting valve has no effect on the static pressure of a system
- restricting device can be manually by passed if required by opening the valve fully: pull the pin allowing the yoke to fall back from the valve stem which allows valve to be fully opened, when valve needs to be restricted again, slide the yoke back into place to be NFPA compliant



### Female x Male

| Inlet<br>Female NPT | Outlet<br>Male NST (NH) | Cast Brass<br>Part # |
|---------------------|-------------------------|----------------------|
| 1½"                 | 1½"                     | <b>AVAPR150F-I</b>   |
| 2½"                 | 2½"                     | <b>AVAPR250F-I</b>   |

### Female x Female

| Inlet<br>Female NPT | Outlet<br>Female NPT | Cast Brass<br>Part # |
|---------------------|----------------------|----------------------|
| 1½"                 | 1½"                  | <b>AVAPRF150-I</b>   |
| 2½"                 | 2½"                  | <b>AVAPRF250-I</b>   |



Back Flow Preventer



Features:

- provides maximum protection against backflow caused by back-pressure or back-siphonage from a cross-connection wherein a contaminant hazard exists
- consists of two spring-loaded poppet type check valves and a mechanically independent, hydraulically dependent pressure differential relief valve
- three top mounted test cocks ensure easy access during repair and maintenance
- working pressure: to **175 PSIG**
- temperature range: **33°F to 180°F (.5°C to 82°C)**
- meets Foundation for Cross Connection Control and Hydraulic Research at University of Southern California Manual Section 10, ASSE 1015, AWWA C-510 and CSA B64.4 specifications
- UL listed and FM approved
- create a Fire Hydrant Backflow Preventer by using the **RSMSA25F20T** (page 780) and the **DMH2025F** (page 782)



| NPT Thread | Brass<br>Part # |
|------------|-----------------|
| 2"         | <b>BFP200</b>   |

Chicago Pattern Valves

Features:

- aluminum handwheel
- maximum operating pressure: **175 PSI at 70°F (21°C)**

| Inlet<br>Male NPT | Outlet<br>Male | Cast Brass<br>Part # |
|-------------------|----------------|----------------------|
| 1½"               | 1½" NST (NH)   | <b>CPV150F</b>       |







## Sprinkler Hose Valve

**Features:**

- aluminum wheel
- UL listed and FM approved for automatic sprinkler and standpipe systems
- working pressure: **175 PSI** (water only) at **70°F (21°C)**

| Inlet<br>Male NPT | Outlet<br>Male NST (NH) | Cast Brass<br>Part # |
|-------------------|-------------------------|----------------------|
| 1"                | 1½"                     | <b>ASHV1015F</b>     |

## Push Pull Drain Valve

**Features:**

- direct mount
- 2½" handle length

| Inlet   | Outlet  | Brass<br>Part # |
|---------|---------|-----------------|
| ¾" FNPT | ¾" FNPT | <b>PPDV75</b>   |

## Automatic Drain Vent Valve

**Features:**

- attaches to the hose end of a hose rack nipple keeping the hose free of moisture by draining water from a leaky valve; when the valve is opened for use a spring valve closes the drain and directs all water through the hose
- other threads and finishes are available, consult Dixon® for more information

| Female<br>NST (NH) | Male<br>NST (NH) | Working<br>Pressure<br>(PSI) | Cast Brass<br>Part # |
|--------------------|------------------|------------------------------|----------------------|
| 1½"                | 1½"              | <b>175</b>                   | <b>ADV150F</b>       |

## Piston Intake Relief Valves

## Features:

- standard with a 30° elbow (permitting smoother water flow), adjustable relief valve, retractable knob on hand wheel and air bleed off
- permits safe controlled flow to the intake pump and can also be used to draft
- 9 easy turns open and close the valve
- **280 PSI at 70°F (21°C)**, without relief valve
- 4½" minimum waterway
- finish anodized throughout - minimum thickness 0.001"
- relief valve - double spring, cartridge type, adjustable from **50 to 200 PSI**

## Storz x Female Swivel

| Storz | Female Swivel NST (NH) | Length | Width | Height | Aluminum Alloy, 356-T6<br>Part # |
|-------|------------------------|--------|-------|--------|----------------------------------|
| 4"    | 4"                     | 12"    | 8"    | 17"    | <b>FSGR440F</b>                  |
|       | 4½"                    | 12"    | 8"    | 17"    | <b>FSGR445F</b>                  |
|       | 5"                     | 12"    | 8"    | 17"    | <b>FSGR450F</b>                  |
|       | 6"                     | 12"    | 8"    | 17"    | <b>FSGR460F</b>                  |
| 5"    | 4"                     | 12"    | 8"    | 17"    | <b>FSGR540F</b>                  |
|       | 5"                     | 12"    | 8"    | 17"    | <b>FSGR550F</b>                  |
|       | 6"                     | 12"    | 8"    | 17"    | <b>FSGR560F</b>                  |



## Female Swivel x Male

| Male NST (NH) | (2)Female NST (NH) Swivel | Length | Width | Height | Aluminum Alloy, 356-T6<br>Part # |
|---------------|---------------------------|--------|-------|--------|----------------------------------|
| 4"            | 4"                        | 12"    | 8"    | 17"    | <b>FMGR40F40F</b>                |
|               | 4½"                       | 12"    | 8"    | 17"    | <b>FMGR40F45F</b>                |
|               | 5"                        | 12"    | 8"    | 17"    | <b>FMGR40F50F</b>                |
|               | 6"                        | 12"    | 8"    | 17"    | <b>FMGR40F60F</b>                |
| 4½"           | 4"                        | 12"    | 8"    | 17"    | <b>FMGR45F40F</b>                |
|               | 4½"                       | 12"    | 8"    | 17"    | <b>FMGR45F45F</b>                |
|               | 5"                        | 12"    | 8"    | 17"    | <b>FMGR45F50F</b>                |
|               | 6"                        | 12"    | 8"    | 17"    | <b>FMGR45F60F</b>                |
| 5"            | 4"                        | 12"    | 8"    | 17"    | <b>FMGR50F40F</b>                |
|               | 4½"                       | 12"    | 8"    | 17"    | <b>FMGR50F45F</b>                |
|               | 5"                        | 12"    | 8"    | 17"    | <b>FMGR50F50F</b>                |
|               | 6"                        | 12"    | 8"    | 17"    | <b>FMGR50F60F</b>                |
| 6"            | 6"                        | 12"    | 8"    | 17"    | <b>FMGR60F60F</b>                |



## Replacement Parts

| Description        | Part #          |
|--------------------|-----------------|
| handwheel and knob | <b>PV-HDWHL</b> |
| knob only          | <b>PV-KNOB</b>  |



PV-HDWHL

**Butterfly Valves****Storz x Female Swivel****Features:**

- permits safe controlled flow to the intake pump, can be used for draft situations
- pressure range: **150-300 PSI** working pressure at **70°F (21°C)**
- water way: 4½", 5", and 6" maximum
- materials: body-ASTN A-126 cast iron, wafer-lightweight aluminum cast 356-T6, , seat - Buna
- ¾" push-pull drain valve
- standard 10-position locking style lever
- finish anodized cast aluminum bolt flanges - minimum thickness 0.001"
- lever handle to center valve is 10¼"
- can be used in either direction (e.g. inlet/outlet)



| Storz | Female NST (NH) Swivel | Length | Width | Height | Working Pressure (PSI) | ASTN A-126 Cast Iron Part # |
|-------|------------------------|--------|-------|--------|------------------------|-----------------------------|
| 4"    | 4"                     | 9½"    | 11"   | 18"    | <b>185</b>             | <b>SFBTFLY4040F</b>         |
|       | 4½"                    | 9½"    | 11"   | 18"    | <b>185</b>             | <b>SFBTFLY4045F</b>         |
|       | 5"                     | 9½"    | 11"   | 18"    | <b>185</b>             | <b>SFBTFLY4050F</b>         |
|       | 6"                     | 9½"    | 11"   | 18"    | <b>185</b>             | <b>SFBTFLY4060F</b>         |
| 5"    | 4"                     | 9½"    | 11"   | 18"    | <b>185</b>             | <b>SFBTFLY5040F</b>         |
|       | 4½"                    | 9½"    | 11"   | 18"    | <b>185</b>             | <b>SFBTFLY5045F</b>         |
|       | 5"                     | 9½"    | 11"   | 18"    | <b>185</b>             | <b>SFBTFLY5050F</b>         |
|       | 6"                     | 9½"    | 11"   | 18"    | <b>185</b>             | <b>SFBTFLY5060F</b>         |
| 6"    | 6"                     | 9½"    | 13"   | 18"    | <b>185</b>             | <b>SFBTFLY6060F</b>         |

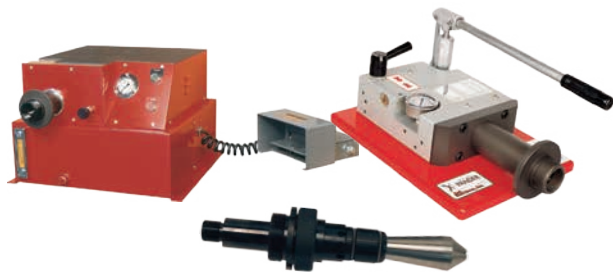
**L/H - Male x Female Swivel****Features:**

- permits safe controlled flow to the intake pump, can be used for draft situations
- standard 10 position lever handle
- ¾" push-pull drain valve standard
- pressure range: **150-300 PSI** at **70°F (21°C)**
- water way: 4½", 5", and 6" maximum
- seat: Buna
- finish: anodized cast aluminum bolt flanges (minimum thickness 0.001")
- lever handle to center valve is 10¼", unit can be used in either direction e.g. inlet/outlet



| Male NST (NH) | Female NST (NH) Swivel | Length | Width | Height | Working Pressure (PSI) | ASTN A-126 Cast Iron Part # |
|---------------|------------------------|--------|-------|--------|------------------------|-----------------------------|
| 4"            | 4"                     | 9½"    | 11"   | 18"    | <b>200</b>             | <b>FMBTFLY40F40F</b>        |
| 4"            | 4½"                    | 9½"    | 11"   | 18"    | <b>200</b>             | <b>FMBTFLY40F45F</b>        |
| 4"            | 6"                     | 9½"    | 11"   | 18"    | <b>185</b>             | <b>FMBTFLY40F60F</b>        |
| 4½"           | 4½"                    | 9½"    | 11"   | 18"    | <b>185</b>             | <b>FMBTFLY45F45F</b>        |
| 5"            | 4½"                    | 9½"    | 11"   | 18"    | <b>185</b>             | <b>FMBTFLY50F45F</b>        |
| 5"            | 5"                     | 9½"    | 11"   | 18"    | <b>185</b>             | <b>FMBTFLY50F50F</b>        |
| 5"            | 6"                     | 9½"    | 11"   | 18"    | <b>185</b>             | <b>FMBTFLY50F60F</b>        |
| 6"            | 6"                     | 9½"    | 13"   | 18"    | <b>185</b>             | <b>FMBTFLY60F60F</b>        |

Specialty Products



Fire Hose Coupling Machines and Accessories



Low Level Strainer - Floating Strainer



Dry Hydrants



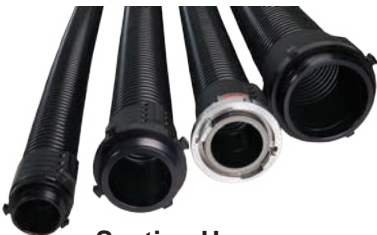
Barrel and Basket Strainers



Booster Hose Installation Kit



Piston Intake Valve



Suction Hoses

Partial Listing of Powder Coating Colors Available for Wrenches

Contact Dixon Fire at 877.712.6179 for more information.

|         |           |             |      |      |        |
|---------|-----------|-------------|------|------|--------|
|         |           |             |      |      |        |
| Black   | Dark Blue | Medium Blue | Gray | Red  | Orange |
|         |           |             |      |      |        |
| Mustard | Yellow    | Green       | Aqua | Plum | Pink   |

## Petroleum Fuel Nozzles ..... 845 to 853

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## Ball Nozzles for Bulk Delivery

### Features:

- rugged construction, high flow provides rapid fuel oil transfer/delivery
- heavy duty roller ball swivel with low temperature seals freely rotates without leaking at **-40°F (-40°C)** and **100 PSI**
- 3 PSI check valve is included to prevent back flow, 5 PSI is optional

### nozzles

| Female NPT Inlet | Outlet Type           | Anodized Aluminum Part # |
|------------------|-----------------------|--------------------------|
| 1¼"              | swivel quick fill nut | <b>BL062</b>             |
| 1½"              | swivel quick fill nut | <b>BL064</b>             |
| 1¼"              | 1¼" spout             | <b>BL066</b>             |
| 1½"              | 1¼" spout             | <b>BL068</b>             |
| 1½"              | 1½" spout             | <b>BL072</b>             |
| 1¼"              | 1¼" female NPT        | <b>BL066NS</b>           |
| 1½"              | 1¼" female NPT        | <b>BL068NS</b>           |
| 1½"              | 1½" female NPT        | <b>BL072NS</b>           |
| 2"               | 2" spout              | <b>BL920</b>             |



BL062

### replacement spouts

| Size | Replacement For     | Aluminum Part # |
|------|---------------------|-----------------|
| 1¼"  | <b>BL066, BL068</b> | <b>1143A</b>    |
| 1½"  | <b>BL072, BL919</b> | <b>1125A</b>    |
| 2"   | <b>BL920</b>        | <b>391137</b>   |



BL072

### repair kits

| Repair Kits for Ball Nozzles (BL066, BL068, BL072, BL919) |                 |
|---|-----------------|
| Description   | Part #          |
| inlet swivel seal and wear kit                            | <b>SWMF-RK2</b> |
| complete inlet swivel rebuild kit                         | <b>SWMF-RK3</b> |
| 1½" FNPT replacement inlet swivel                         | <b>SWMF-RK4</b> |
| 1¼" FNPT replacement inlet swivel                         | <b>SWMF-RK5</b> |
| 1½" BSPP replacement inlet swivel                         | <b>SWMF-RK6</b> |
| replacement swivel outlet (BL062, BL064)                  | <b>BL005</b>    |
| ball valve shaft seal kit                                 | <b>BL-RK4</b>   |
| complete ball nozzle seal kit                             | <b>BL-RK10</b>  |
| optional check valve 5 PSI spring kit                     | <b>BL-RK11</b>  |
| standard check valve 3 PSI cartridge kit                  | <b>BL-RK12</b>  |



BL072NS

### Repair Kits for Super Ball Nozzle (BL920)

| Description                               | Part #           |
|---|------------------|
| inlet swivel grease nipple kit (optional) | <b>SWMF-RK1</b>  |
| inlet swivel seal and wear kit            | <b>SWMF-RK22</b> |
| complete inlet swivel rebuild kit         | <b>SWMF-RK32</b> |
| 2" FNPT replacement inlet swivel          | <b>SWMF-RK42</b> |
| 1½" FNPT replacement inlet swivel         | <b>SWMF-RK52</b> |
| complete ball nozzle seal kit             | <b>BL-RK102</b>  |
| optional check valve 5 PSI spring kit     | <b>BL-RK112</b>  |
| standard check valve 3 PSI cartridge kit  | <b>BL-RK122</b>  |
| replacement trigger kit                   | <b>BL-RK13</b>   |



BL920





## Gravity Utility Nozzles

### Application:

- for use with 12 volt pumps and gravity flow fittings in economy fuel dispensing applications

### Features:

- manual operation (non-automatic)
- Underwriters Listed
- working pressure: **25 PSI**



900



900W34S



900B

| Female NPT Inlet | Outlet Type       | Die Cast Zinc Aluminum Part # |
|------------------|-------------------|-------------------------------|
| 1"               | 1" female UNS     | <b>900<sup>1</sup></b>        |
|                  | 1" straight spout | <b>900S</b>                   |
|                  | 1" bent spout     | <b>900B</b>                   |
|                  | ¾" straight spout | <b>900W34S</b>                |
|                  | ¾" bent spout     | <b>900W34B</b>                |
| ¾"               | ¾" straight spout | <b>900S34<sup>2</sup></b>     |
|                  | ¾" bent spout     | <b>900B34<sup>2</sup></b>     |

<sup>1</sup> nozzle body only (no spout)

<sup>2</sup> ¾" nozzle inlet uses 1" x ¾" reducer bushing, supplied

### replacement parts

| Description                               | Part #          |
|---|-----------------|
| ¾" replacement straight spout             | <b>234-80-4</b> |
| ¾" replacement bent spout                 | <b>234-80-5</b> |
| 1" replacement straight spout             | <b>875-4</b>    |
| 1" replacement bent spout                 | <b>875-5</b>    |
| trigger                                   | <b>900TK</b>    |
| plunger and valve assemblies, cap, O-ring | <b>900SK</b>    |

## Pressure Nozzle for Bulk Delivery

### Features:

- manual operation (non-automatic) for high pressures and fuel flow up to **100 GPM**
- easy opening dash pot design with shockless closing
- detachable trigger ratchet, packing gland and seal
- bronze trigger



114DNS

| Female NPT Inlet | Outlet Type    | GPM @ 10 PSI | Aluminum Part # |
|------------------|----------------|--------------|-----------------|
| 1¼"              | 1¼" female NPT | 80           | <b>114DNS</b>   |
|                  | 1¼" spout      | 80           | <b>114D</b>     |
| 1½"              | 1½" female NPT | 100          | <b>112DNS</b>   |
|                  | 1½" spout      | 100          | <b>112D</b>     |

### replacement parts

| Description  | Part #              |
|--|---------------------|
| aluminum replacement spout for 114D  | <b>1143A</b>        |
| aluminum replacement spout for 112D  | <b>1125A</b>        |
| main poppet, 2nd poppet, cap O-ring, valve stem  | <b>112DSK</b>       |
| blank plate to replace ratchet plate if ratchet not required   | <b>114DAL-AV-19</b> |
| main and secondary poppets, cap O-ring, valve stem assembly and packing, sleeve stem packing and nut | <b>114DSK</b>       |



114D

## Overwing Aircraft Nozzles

### Features:

- manual operation (non-automatic) for high pressures and fuel flow up to **60 GPM** at **20 PSI**
- easy opening dash pot design with shock-less closing
- detachable trigger ratchet, packing gland and seal
- bronze trigger and plastic guard pad to protect wing
- spout comes with cap, spring cord, fine mesh stainless steel screen filter and screw attachment for grounding cable (cable not supplied)

| Female NPT Inlet | Outlet Type  | Aluminum<br>Part #   |
|------------------|--------------|----------------------|
| 1 1/4"           | 1" spout     | <b>114DAVR</b>       |
|                  | 1 1/4" spout | <b>114D-AV</b>       |
| 1 1/2"           | 1 1/4" spout | <b>114D-AV-06ASM</b> |

### replacement parts

| Description                             | Part #              |
|---|---------------------|
| trigger, bushing, pin and cotter pin    | <b>114/2D-TK</b>    |
| main & secondary poppet assemblies, cap | <b>114DAV-SK</b>    |
| O-ring, valve stem assembly             | <b>114DAL-AV-25</b> |
| 1" spout assembly                       | <b>114DAL-AV-16</b> |
| 1 1/4" spout assembly                   |                     |



114D-AV-06ASM

## Large Capacity Low Pressure / Gravity Nozzle

### Application:

- for low pressure/gravity applications

### Features:

- rapid flow due to 1 1/4" oversize design
- maximum operating pressure: **25 PSI**

| Female NPT Inlet | Outlet Type  | Aluminum<br>Part # |
|------------------|--------------|--------------------|
| 1 1/4"           | 1 1/4" spout | <b>1250-94</b>     |

### repair kits

| Description   | Part #        |
|---|---------------|
| plunger, O-rings, valve seal, valve base, valve plate | <b>1250SK</b> |



## Hose Shank Hose Swivels

### Application:

- for use with petroleum and home heating oil hose

### Feature:

- prevents hose twisting or kinking



| Male NPT                                | Shank Size | Bronze<br>Part # |
|---|------------|------------------|
| 1½"                                     | 1½"        | <b>1565U</b>     |
| <b>repair kit</b>                       |            |                  |
| Description                             |            | Part #           |
| replacement seal kit and retaining ring |            | <b>1500SK</b>    |

## Heavy Duty Hose Swivels

### Features:

- male NPT x female NPT threaded connections
- heavy duty internal thrust bearing and anti-friction seal design ensures swiveling at **-40°F (-40°C)**
- can be lubricated without disassembly by using the optional grease nipple kit below



| Male NPT                                  | Female NPT | Bayloy<br>Part # |
|---|------------|------------------|
| 1¼"                                       | 1¼"        | <b>SWMF125</b>   |
| 1½"                                       | 1½"        | <b>SWMF150</b>   |
| 2"  | 2"         | <b>SWMF200</b>   |
| <b>repair kits</b>                        |            |                  |
| Description                               |            | Part #           |
| inlet swivel grease nipple kit (optional) |            | <b>SWMF-RK1</b>  |
| inlet swivel seal and wear kit            |            | <b>SWMF-RK22</b> |
| complete inlet swivel rebuild kit         |            | <b>SWMF-RK32</b> |
| 2" FNPT replacement inlet swivel          |            | <b>SWMF-RK42</b> |
| 1½" FNPT replacement inlet swivel         |            | <b>SWMF-RK52</b> |

## MannTek Hose Swivels

### Features:

- allows the hose to relax to it's natural rest position while allowing freedom of movement without adding torque stress at the point of connection
- simple design, low maintenance - consists of 2 body halves, ball bearings and a washer
- male NPT x female NPT threaded connections
- FKM seals standard, Chemraz® and Kalrez® optional contact Dixon®
- working pressure: **150 PSI**
- maximum temperature: **300°F (149°C)**



| Size | 316 Stainless Steel<br>Part # | Aluminum<br>Part # |
|------|-------------------------------|--------------------|
| ¾"   | <b>HS075SS</b>                | <b>HS075AL</b>     |
| 1"   | <b>HS100SS</b>                | <b>HS100AL</b>     |
| 1½"  | <b>HS150SS</b>                | <b>HS150AL</b>     |
| 2"   | <b>HS200SS</b>                | <b>HS200AL</b>     |
| 3"   | <b>HS300SS</b>                | <b>HS300AL</b>     |
| 4"   | <b>HS400SS</b>                | <b>HS400AL</b>     |

## Dixon® Diesel and Gasoline Nozzles Accessories

## Single Plane Hose Swivels

## Materials:

- body: aluminum
- brass hex nut prevents galling in the nozzle
- seals: F-7036 Viton™
- retainer: nylon cord

| Size    | Part #        |
|---------|---------------|
| ¾" x ¾" | <b>DAWS34</b> |
| 1" x 1" | <b>DAWS10</b> |



## Multi-Plane Hose Swivels

## Features:

- brass male end will not gall in nozzle castings
- dual O-rings seal with all fuels
- sleeve gives smooth seal surface - no leaks
- internal nylon retainer cord secures firmly but allows free rotation

## Materials:

- body: machined aluminum casting
- male end: machined brass bar stock
- sleeve: machined brass bar stock

| Size                        | Part #         |
|-----------------------------|----------------|
| ¾" male NPT x ¾" female NPT | <b>DAC3434</b> |
| 1" male NPT x ¾" female NPT | <b>DAC1034</b> |



## Breakaways

## Features:

- unique ball valves seal both ends when separated
- design provides consistent and reliable performance
- lightweight
- easy to repair
- ¾" Underwriter's Listed

## Materials:

- body: aluminum
- break rings (2): brass
- seals: F-7036 Viton™

| Size | Separation Force (Lbs) | Part #       |
|------|------------------------|--------------|
| ¾"   | 325                    | <b>DAB34</b> |
| 1"   | 325                    | <b>DAB1</b>  |



## Breakaways

## Applications:

- Provides breakaway protection for high capacity fueling operations such as truck and bus terminals, mining, off-road fueling and fuel oil delivery.

## Materials:

- body: nickel plated aluminum
- brass break rings: 4 total in 1¼" and 1½"; 6 total in 2"
- seals: F-7036 Viton™
- check valve - PTFE ball seals both ends when separated

| Size | Separation Force in Lbs. | Part #       |
|------|--------------------------|--------------|
| 1¼"  | 600                      | <b>DAB14</b> |
| 1½"  | 600                      | <b>DAB15</b> |
| 2"   | 800                      | <b>DAB2</b>  |



## FuelMaster™ Diesel Nozzles

### Application:


- truck stops and terminal operations (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps)



### Features:

- high flow capacity
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- pure PTFE packing eliminates stem leaks
- easy to change 'locknut style' spout assembly
- green scuff guard

### Optional Features:

- Underwriters Listed versions 
- UL listed for use with Gas 10% Ethanol blend and diesel
- super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

### Materials:

- body and spout: aluminum
- body caps: zinc
- seals: FKM
- poppet disk: FKM
- stem packing: PTFE
- hand-guard and trigger hold open clip: super tough nylon
- trigger: steel
- snap-on cover: plastic
- scuff guard: vinyl

### Features:


- with trigger hold-open clip
- non Underwriters Listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part #          |
|-----------|--------------|---------------------------------------|-----------------|
| 1"        | 1-3/16"      | 35                                    | <b>DFN100HF</b> |
|           | 1-3/16"      | 45                                    | <b>DFN100SF</b> |




DFN100HF

### Features:

- with trigger hold-open clip
- with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle 

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part #               |
|-----------|--------------|---------------------------------------|----------------------|
| 1"        | 1-3/16"      | 35                                    | <b>DFN100HF-NPNF</b> |
|           | 1-3/16"      | 45                                    | <b>DFN100SF-NPNF</b> |

### Features:

- without trigger hold-open clip
- Underwriters Listed nozzle 

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part #             |
|-----------|--------------|---------------------------------------|--------------------|
| 1"        | 1-3/16"      | 35                                    | <b>DFN100HF-NC</b> |
|           | 1-3/16"      | 45                                    | <b>DFN100SF-NC</b> |



DFN100SF

## Big Mouth™ Diesel Nozzles

### Application:


- truck stops (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps)



### Features:

- lightweight but strong
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- pure PTFE packing eliminates stem leaks
- super tough nylon hand guard
- snap-on handle cover makes changing scuff guards easy
- yellow scuff guard

### Optional Features:

- Underwriters Listed versions 
- UL listed for use with gas 10% Ethanol blend and diesel
- super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

### Materials:

- body and spout: aluminum
- body caps: zinc
- seals: FKM / nitrile
- poppet disk: FKM
- stem packing: PTFE
- trigger: steel
- snap-on cover: plastic
- scuff guard: vinyl

### Features:


- with trigger hold-open clip
- non Underwriters Listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part # |
|-----------|--------------|---------------------------------------|--------|
| 1"        | 1 1/8"       | 27                                    | DFN100 |




DFN100

### Features:

- with trigger hold-open clip with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle 

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part #      |
|-----------|--------------|---------------------------------------|-------------|
| 1"        | 1 1/8"       | 27                                    | DFN100-NPNF |

### Features:

- without trigger hold-open clip
- Underwriters Listed nozzle 

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part #    |
|-----------|--------------|---------------------------------------|-----------|
| 1"        | 1 1/8"       | 27                                    | DFN100-NC |



DFN100-NC



## Farm and Consumer Nozzles

### Application:


- small 12 volt or AC utility pumps, farm or consumer pumps (not designed for use with gravity flow tanks)



### Features:

- Micro-touch valve provides smooth operation and exceptional flow control
- pure PTFE stem packing eliminates leaks
- heavy duty, strong, secure hook makes it easy to hang the nozzle on the pump
- Roto-matic latch pin provides positive auto shut-off
- Smartguard snap-on scuff guard

### Optional Features:

- Underwriters Listed versions 
- super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

### Materials:

- body and spout: aluminum
- body caps: zinc or nylon
- seals: FKM
- poppet disk: FKM
- stem packing: PTFE
- hand-guard and trigger hold open clip: super tough nylon
- trigger: steel
- snap-on cover: plastic
- scuff guard: vinyl



1" diesel nozzle


### Features:

- with trigger hold-open clip
- non Underwriters Listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Scuff Guard Color | Service  | Part #                      |
|-----------|--------------|---------------------------------------|-------------------|----------|-----------------------------|
| 3/4"      | 13/16"       | 18                                    | black             | gasoline | <b>DN7UOBF</b>              |
|           | 15/16"       | 23                                    | green             | diesel   | <b>DN7LOBF</b>              |
| 1"        | 1-1/8"       | 27                                    | yellow            | diesel   | <b>DFN100F</b> <sup>1</sup> |

<sup>1</sup> Hand-guard and rear back clip: super tough nylon

### Features:


- with trigger hold-open clip
- with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle 



3/4" gasoline nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Scuff Guard Color | Service  | Part #              |
|-----------|--------------|---------------------------------------|-------------------|----------|---------------------|
| 3/4"      | 13/16"       | 18                                    | black             | gasoline | <b>DN7UOBF-NPNF</b> |
|           | 15/16"       | 23                                    | green             | diesel   | <b>DN7LOBF-NPNF</b> |
| 1"        | 1-1/8"       | 27                                    | yellow            | diesel   | <b>DFN100F-NPNF</b> |

### Features:

- without trigger hold-open clip
- Underwriters Listed nozzle 



3/4" diesel nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Scuff Guard Color | Service  | Part #            |
|-----------|--------------|---------------------------------------|-------------------|----------|-------------------|
| 3/4"      | 13/16"       | 18                                    | black             | gasoline | <b>DN7UOBF-NC</b> |
|           | 15/16"       | 23                                    | green             | diesel   | <b>DN7LOBF-NC</b> |
| 1"        | 1-1/8"       | 27                                    | yellow            | diesel   | <b>DFN100F-NC</b> |

### Fuel Nozzle Part Number Cross Reference

| Dixon™  | M. Carder | OPW        | Emco    | Husky     | Catlow |
|---------|-----------|------------|---------|-----------|--------|
| DN7UOBF | N7UOBF    | 1AF-40FS   | A2501F  | XSF-33704 | NENLF  |
| DN7LOBF | N7LOBF    | 11APF-40FS | A2501LF | ---       | NELF   |

## DEF Automatic Shutoff Nozzle

**Application:**

- designed for diesel exhaust fluid applications

**Feature:**

- maximum operating pressure: **50 PSI**

**Materials:**

- aluminum body double coated inside and out with PTFE baked on at **500°F (260°C)**
- spout: stainless steel
- wetted parts: stainless, acetal, PTFE
- seal: FKM-A



| BSP<br>Inlet | Spout<br>Outlet | Approximate Flow<br>Rate at 20 PSI (GPM) | Part #         |
|--------------|-----------------|--|----------------|
| 3/4"         | 13/16"          | <b>18</b>                                | <b>DEFN075</b> |

## High Flow Fueller 100™ Nozzles

**Application:**

- for fueling trucks, buses, off-road equipment and fuel oil delivery
- These nozzles are not to be used with gravity flow tanks.*

**Features:**

- machined grooves in the spout are designed to hold nozzle more securely in the fill pipe
- high flow, heavy duty automatic nozzle



| NPT<br>Inlet | Spout<br>Outlet | Approximate Flow<br>Rate at 30 PSI (GPM) | Part #                      |
|--------------|-----------------|--|-----------------------------|
| 1 1/4"       | 1 3/8"          | <b>75</b>                                | <b>DNOG5-NL<sup>1</sup></b> |
| 1 1/4"       | 1 3/8"          | <b>75</b>                                | <b>DNOG5</b>                |
| 1 1/2"       | 1 3/8"          | <b>75</b>                                | <b>DNOG6</b>                |

<sup>1</sup> is a 1 1/4" nozzle without the locking handle



## Industrial Fog Nozzles

### Features:

- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- UL listed and Factory Mutual approved for class A and B fires (except noted <sup>1 2</sup>)
- new UL and FM approvals are pending due to change in standard UL401 products are to be reapproved, data subject to change in coming months supplied with bumper



| Size   | Thread   | 90° Spray GPM<br>@ 100 PSI | Wide Open GPM<br>@ 100 PSI | Brass<br>Part #                 |
|--------|----------|----------------------------|----------------------------|---------------------------------|
| 3/4"   | GHT      | ---                        | ---                        | <b>BFN75GHT</b> <sup>1</sup>    |
| 3/4"   | NPSH     | ---                        | ---                        | <b>BFN75</b>                    |
| 1"     | NPSH     | 32                         | ---                        | <b>BFN100</b>                   |
| 1 1/2" | NPSH     | ---                        | 100                        | <b>BFN150</b>                   |
| 2"     | NPSH     | 108                        | ---                        | <b>BFN200</b> <sup>1 2</sup>    |
| 1"     | NST (NH) | 32                         | ---                        | <b>BFN100NST</b>                |
| 1 1/2" | NST (NH) | ---                        | 100                        | <b>BFN150NST</b>                |
| 2 1/2" | NST (NH) | 205                        | ---                        | <b>BFN250NST</b> <sup>1 2</sup> |

<sup>1</sup> not UL Listed

<sup>2</sup> not Factory Mutual approved

• replacement washers can be found on page 741



## Heavy Duty Industrial Fog Nozzles

### Features:

- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- UL listed and Factory Mutual approved
- supplied with bumper



| Size   | Thread   | 90° Spray GPM<br>@ 100 PSI | Brass<br>Part #   |
|--------|----------|----------------------------|-------------------|
| 1"     | NPSH     | ---                        | <b>HFN100</b>     |
| 1 1/2" | NPSH     | <b>88 (+/-12)</b>          | <b>HFN150</b>     |
| 1"     | NST (NH) | ---                        | <b>HFN100NST</b>  |
| 1 1/2" | NST (NH) | <b>88 (+/-12)</b>          | <b>HFN150NST</b>  |
| 1 1/2" | NYFD     | ---                        | <b>HFN150NYFD</b> |

• replacement washers can be found on page 741



## High Pressure Industrial Fog Nozzles

### Features:

- working pressure: **25 to 300 PSI** (water only) at **70°F (21°C)**
- combination straight stream and fog - shut-off - straight stream - fog
- Factory Mutual approved
- large one-piece rubber bumper with molded teeth
- knurled base




| Size   | Thread   | 90° Spray GPM<br>@ 100 PSI | Brass<br>Part #   |
|--------|----------|----------------------------|-------------------|
| 1 1/2" | NPSH     | <b>117</b>                 | <b>HPFN150</b>    |
|        | NST (NH) | <b>117</b>                 | <b>HPFN150NST</b> |

• replacement washers can be found on page 741

## Electrical Fire All-Fog Nozzles



## Features:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shutoff to 30° fog, adjustable to 90° fog
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- UL listed and Factory Mutual approved for class C fires
- supplied with bumper
- Use of this nozzle is not likely to prove hazardous when nozzle is held in excess of 10 feet from electrical apparatus and circuits not involving more than 250,000 volts. 

| Size | Thread           | Wide Open GPM<br>@ 100 PSI | Brass<br>Part #                     |
|------|------------------|----------------------------|-------------------------------------|
| 1½"  | NST (NH)<br>NPSH | 96<br>96                   | <b>BFNE150NST</b><br><b>BFNE150</b> |



- for fog nozzle flow rates please see next page
- replacement washers can be found on page 741

## Fog Nozzles

## Features:

- shutoff - straight stream - fog
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- brass stem

| Size | Thread   | 90° Spray GPM<br>@ 100 PSI | Polycarbonate <sup>1</sup><br>Part # | Polycarbonate <sup>2</sup><br>Part # |
|------|----------|----------------------------|--------------------------------------|--------------------------------------|
| ¾"   | GHT      | <b>8.0</b>                 | <b>FNB75GHT</b> <sup>3, 4</sup>      | ---                                  |
| ¾"   | NPS      | <b>30.9</b>                | <b>FNB75S</b> <sup>4</sup>           | ---                                  |
| 1"   | NPS      | <b>11.4</b>                | <b>FNB100S</b> <sup>4</sup>          | <b>FN100S</b>                        |
| 1"   | NPS      | <b>30.9</b>                | <b>HGB100S</b>                       | ---                                  |
| 1½"  | NPS      | <b>83.6</b>                | <b>FNB150S</b>                       | <b>FN150S</b>                        |
| 1"   | NST (NH) | <b>11.4</b>                | <b>FNB100NST</b>                     | <b>FN100NST</b>                      |
| 1"   | NST (NH) | <b>30.9</b>                | <b>HGB100NST</b>                     | ---                                  |
| 1½"  | NST (NH) | <b>83.6</b>                | <b>FNB150NST</b>                     | <b>FN150NST</b>                      |



with bumper



without bumper

<sup>1</sup> with bumper<sup>2</sup> without bumper<sup>3</sup> standard flow<sup>4</sup> 120° spray GPM @100 PSI

- replacement washers can be found on page 856

## Fog Nozzle Flow Rate Chart

| Part<br>Number | Inlet Pressure |        | Straight Stream |       | 30° |       | 60° |       | 90° |       |
|----------------|----------------|--------|-----------------|-------|-----|-------|-----|-------|-----|-------|
|                | PSI            | kPa    | GPM             | LPM   | GPM | LPM   | GPM | LPM   | GPM | LPM   |
| <b>BFN100</b>  | <b>50</b>      | (345)  | 18              | (68)  | 21  | (79)  | 24  | (91)  | 27  | (102) |
|                | <b>75</b>      | (517)  | 22              | (83)  | 25  | (95)  | 28  | (106) | 32  | (121) |
|                | <b>100</b>     | (690)  | 24              | (91)  | 28  | (106) | 32  | (121) | 36  | (136) |
| <b>BFN250</b>  | <b>50</b>      | (345)  | 90              | (341) | 120 | (454) | 130 | (492) | 145 | (549) |
|                | <b>75</b>      | (517)  | 100             | (379) | 140 | (530) | 150 | (568) | 180 | (681) |
|                | <b>100</b>     | (690)  | 110             | (416) | 165 | (625) | 180 | (681) | 205 | (776) |
| <b>HFN100</b>  | <b>100</b>     | (690)  | 25              | (95)  | --- | ---   | --- | ---   | --- | ---   |
| <b>HFN150</b>  | <b>100</b>     | (690)  | ---             | ---   | --- | ---   | --- | ---   | 86  | (326) |
| <b>HPFN150</b> | <b>275</b>     | (1040) | ---             | ---   | --- | ---   | --- | ---   | 130 | (492) |

- fire fog nozzles are listed above and on previous pages



## Factory Mutual Approved Fog Nozzles

### Features:

- brass stem with locking nut
- shutoff-straight-stream-fog
- wings on sleeve for ease of adjustment
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- Factory Mutual approved



with bumper



without bumper

| Size   | Thread   | 90° Spray GPM<br>@ 100 PSI | Polycarbonate <sup>1</sup><br>Part # | Polycarbonate <sup>2</sup><br>Global Part # |
|--------|----------|----------------------------|--------------------------------------|---|
| 3/4"   | GHT      | <b>30.9</b>                | <b>SL075GHT</b> <sup>3</sup>         | ---   |
| 3/4"   | NPSH     | <b>30.9</b>                | <b>SL075</b> <sup>3</sup>            | ---   |
| 1"     | NPSH     | <b>30.9</b>                | <b>SL100</b> <sup>3</sup>            | <b>PFNB100S</b>                             |
| 1 1/2" | NPSH     | <b>75.0</b>                | <b>SL150</b>                         | <b>PFNB150S</b>                             |
| 1"     | NST (NH) | <b>30.9</b>                | <b>SL100NST</b>                      | ---   |
| 1 1/2" | NST (NH) | <b>75.0</b>                | <b>SL150NST</b>                      | <b>PFNB150NST</b>                           |

<sup>1</sup> with bumper

<sup>2</sup> without bumper

<sup>3</sup> 120° spray on 3/4" and 1"

## Polycarbonate Electrical Fire All-Fog Nozzles

### Features:

- opens and closes in a 30° fog pattern up to 120°- no straight stream
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- brass stem



| Size   | Thread          | 75° Spray GPM<br>@ 100 PSI | Polycarbonate<br>Part #              |
|--------|-----------------|----------------------------|--------------------------------------|
| 1 1/2" | NPS<br>NST (NH) | <b>92</b><br><b>92</b>     | <b>FNBE150S</b><br><b>FNBE150NST</b> |

## Gaskets for Fog Nozzles



| Size   | Thread   | ID     | OD     | Thickness | Buna-N<br>Part # |
|--------|----------|--------|--------|-----------|------------------|
| 1"     | NPSH     | 0.937" | 1.234" | 0.125"    | <b>FNG100S</b>   |
| 1"     | NPSH     | 1.000" | 1.375" | 0.125"    | <b>HGG100S</b>   |
| 1 1/2" | NPSH     | 1.500" | 1.827" | 0.125"    | <b>FNG150S</b>   |
| 1"     | NST (NH) | 0.937" | 1.281" | 0.125"    | <b>FNG100NST</b> |
| 1"     | NST (NH) | 1.000" | 1.375" | 0.125"    | <b>HGG100NST</b> |
| 1 1/2" | NST (NH) | 1.510" | 1.906" | 0.125"    | <b>FNG150NST</b> |

- dimensions are nominal

## Plain Hose Nozzles

## Features:

- finish: satin
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size   | Thread   | Overall Length | Orifice | Replacement Gasket | Brass           |                 |
|--------|----------|----------------|---------|--------------------|-----------------|-----------------|
|        |          |                |         |                    | Previous Part # | Part #          |
| 3/4"   | GHT      | 6"             | 1/4"    | <b>KRW5</b>        | 500SN6          | <b>BN6</b>      |
| 3/4"   | NPSH     | 6"             | 1/4"    | <b>KRW5</b>        | ---             | <b>BN7</b>      |
| 1"     | NPSH     | 8"             | 5/16"   | <b>KRW10</b>       | ---             | <b>BN10</b>     |
| 1 1/4" | NPSH     | 10"            | 3/8"    | <b>KRW15</b>       | ---             | <b>BN12</b>     |
| 1 1/2" | NPSH     | 10"            | 1/2"    | <b>KRW20</b>       | ---             | <b>BN15</b>     |
| 2"     | NPSH     | 12"            | 9/16"   | <b>SW200</b>       | ---             | <b>BN20</b>     |
| 2 1/2" | NPSH     | 12"            | 1"      | <b>KRW35</b>       | ---             | <b>BN25</b>     |
| 1"     | NST (NH) | 8"             | 5/16"   | <b>SW100F</b>      | ---             | <b>BN10F</b>    |
| 1 1/2" | NST (NH) | 10"            | 1/2"    | <b>SW150</b>       | ---             | <b>BN15F</b>    |
| 2 1/2" | NST (NH) | 12"            | 1"      | <b>SW250</b>       | ---             | <b>BN25F</b>    |
| 1 1/2" | NYFD     | 10"            | 1/2"    | <b>SW150</b>       | ---             | <b>BN15NYFD</b> |
| 2 1/2" | NYFD     | 12"            | 1"      | <b>SW250</b>       | ---             | <b>BN25NYFD</b> |



## Industrial Washdown Nozzles

## Features:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern
- shut off - straight stream - fog
- supplied with bumper

| Size   | Thread   | 90° Spray GPM @ 100 PSI | Brass Part #     |
|--------|----------|-------------------------|------------------|
| 1 1/2" | NPSH     | 88 (+/-12)              | <b>WDN150</b>    |
|        | NST (NH) | 88 (+/-12)              | <b>WDN150NST</b> |



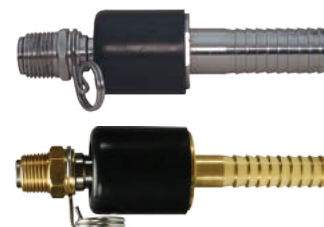
## Swivel Connectors for Washdown Spray Guns

## Ball Type Swivel x Hose Shank

## Features:

- swivel connector for stainless spray nozzles
- 360° ball type swivel adapter helps prevent hose kinking

| NPT  | Hose ID | Brass Part # | 300 Stainless Steel Part # |
|------|---------|--------------|----------------------------|
| 1/2" | 1/2"    | ---          | <b>SSA44</b>               |
|      | 5/8"    | ---          | <b>SSA54</b>               |
|      | 3/4"    | ---          | <b>SSA64</b>               |
| 3/8" | 1/2"    | <b>BSA34</b> | ---                        |



## Straight Swivel x Hose Shank

## Features:

- swivel body
- gasket: EPDM

| NPT  | Hose ID | Brass Part # | Stainless Steel Part # |
|------|---------|--------------|------------------------|
| 1/2" | 1/2"    | <b>BNS44</b> | <b>BNS44SS</b>         |
|      | 3/4"    | <b>BNS64</b> | <b>BNS64SS</b>         |



## Straight Swivel x GHT Thread

| NPT  | Female GHT | Brass Part #   |
|------|------------|----------------|
| 1/2" | 3/4"       | <b>BMAS974</b> |






Hot Water Washdown Spray Nozzles

Application:

- for low pressure cleaning, tank and drum cleaning and chemical manufacturing

Features:

- designed for operator comfort
- variable spray pattern from conical spray to solid stream
- hose connects at base of gun for easy maneuvering
- ½" female NPT inlet
- rubber coated handle protects hands from water temperatures to **150°F (66°C)**
- **12.5 GPM** flow capacity at **150 PSI**
- *Do not use with steam lines.* 



| Cover Color | Brass<br>Part # | Aluminum<br>Part # |
|-------------|-----------------|--------------------|
| black       | <b>BWSG</b>     | <b>AWSG</b>        |
| white       | <b>BWSG-W</b>   | <b>AWSG-W</b>      |



Lite Washdown Spray Nozzles

Application:

- for use where reduced size and / or flow rate is preferred

Features:

- more compact and lighter than standard nozzle
- special formulated rubber cover for durability and easy replacement
- ¾" female NPT inlet
- **9.0 GPM** flow capacity at **100 PSI**
- pressure rating: **150 PSI**
- temperature rating **200°F (93°C)**



LWSG-W




LWSG-B

| Cover Color | Brass<br>Part # |
|-------------|-----------------|
| blue        | <b>LWSG-B</b>   |
| white       | <b>LWSG-W</b>   |

## Mini Spray Nozzle

## Features:

- ½" female NPT inlet
- not for use with steam 
- designed as an industrial lightweight nozzle with heavyweight performance
- durable dark blue cover protects user from hot surfaces produced by high temperature wash down applications
- reduces hand fatigue and provides smooth lever action
- variable spray patterns from fan spray to solid stream
- drip-free automatic shutoff feature
- pressure rating **150 PSI at 200°F (93°C)**
- flow: **9.6 GPM at 100 PSIG**



Stainless Steel

Part #

**DM150SDB**

## Spray Nozzle

## Features:

- ½" female NPT inlet
- designed to prevent accidental spray
- durable dark blue cover prevents front-mounted lever from being accidentally activated if nozzle is dropped
- reduces hand fatigue and provides smooth lever action
- trigger locking mechanism provides safe and secure method of keeping the nozzle open during any spray pattern
- variable spray patterns from fan spray to solid stream
- drip-free automatic shut-off feature
- can be used with **D150S-WAND**
- rated to **150 PSI at 200°F (93°C)**
- **9.6 GPM** flow capacity at **100 PSIG**




Stainless Steel

Part #

**D150SDB**

## Washdown Wand

## Features:

- designed to provide user with a means of reaching desired washdown locations previously deemed unreachable by extending the nozzle by 3'
- adjustable spray tip can be changed from fan to solid spray by twisting the tip until the desired flow pattern is achieved
- quick disconnect feature allows user to quickly connect wand to the nozzles above
- designed to only fit the D150SDB nozzle
- minimum pressure is **75 PSI**
- wand is not for use with steam 

300 Series Stainless Steel

Part #

**D150S-WAND**

## Temperature Indicating Spray Nozzle



### Features:

- easy to read dial thermometer at rear of the nozzle provides accurate and continual monitoring of water temperature
- plastic sight window
- gauge assembly is recessed into the rubber cover for complete protection
- alerts the operator to shut-down the steam valve upon cold water failure, preventing scalding and steam burn injuries ensuring operator safety
- ensures a more accurate discharge water temperature reading
- recommended for water temperatures to **200°F (93°C)**
- maximum operating pressure: **150 PSI**
- **12.5 GPM** flow capacity
- ½" female NPT inlet
- black cover

Bronze

Part #

**BWSG-TI**

## Stainless Steel Industrial Grade Spray Nozzle

### Application:

- recommended for use in corrosive applications where bronze and aluminum nozzles are not suitable



### Features:

- heavy duty 300 series stainless steel body and barrel
- variable spray pattern adjusts from a soft spray to a solid stream
- Replaceable rubber cover is specially formulated to resist a wide range of oils and chemicals and protect surrounding equipment.
- maximum operating pressure: **150 PSI**
- maximum flow: **12.5 GPM at 150 PSI**
- ½" female NPT inlet
- maximum temperature: **200°F (93°C)**

300 Stainless Steel

Part #

**300SSSG**

## Brass Industrial Grade Front Lever Spray Nozzle

### Features:

- provides effortless one hand operation; by actuating the operating lever the valve is opened/closed and the jet power is regulated from spray to concentrated jet
- adjusting screw on back of gun allows you to fix the desired form of jet, fixing clamp for the operating lever allows lockable position for service
- maximum operating pressure: **350 PSI**
- suitable for hot water up to **122°F (50°C)**
- flow: **6.6 GPM at 72 PSI**
- ½" female NPT inlet
- durable blue rubber cover



Brass

Part #

**DWG050**

## Thermal-Gard™ Elevated Temperature Spray Nozzle

## Features:

- Thermal-Gard™ elevated temperature spray nozzle protects the operator from extreme hot water temperatures that exceed the comfort zone of standard hot water nozzles.
- Assembly includes required special rigid, stainless steel adapter, ( $\frac{3}{8}$ " male NPT x  $\frac{1}{2}$ " female NPT).
- Thermal insulating sleeve reduces overall heat during elevated temperature conditions.
- Stainless steel lever handle is coated for additional thermal protection and operator comfort.
- Lightweight aluminum alloy body reduces overall weight
- Aluminum alloy body is electroless nickel plated for additional corrosion protection
- Recommended for water temperatures above **140°F (60°C)** to a maximum temperature of **200°F (93°C)**
- **12.5 GPM** flow capacity
- working pressure: **150 PSI**
- $\frac{3}{8}$ " female NPT inlet
- black cover



Aluminum

Part #

**AWSG-TG**

## Spray Valve and Hose Assembly

## Valves

## Features:

- even spray valve mist provides proper moisture on paper roll ends
- helps eliminate wrinkles and folder delivery problems, increasing pressroom production and reducing waste
- a slight flex of the hose in any direction (360°) activates the spray
- quick action with no protruding levers, thumb depressors, triggers or other devices utilized
- positive water seal when hose is released causes the internal valve to close and immediately shut off spray
- sealed mechanism with no packing gland



83304



83306H

| Female NPT Size | Description     | Part #        |
|-----------------|-----------------|---------------|
| $\frac{1}{4}$ " | valve only      | <b>83304</b>  |
| $\frac{3}{8}$ " |                 | <b>83306</b>  |
| $\frac{1}{4}$ " | valve with hook | <b>83304H</b> |
| $\frac{3}{8}$ " |                 | <b>83306H</b> |

## Hose Assembly

| Male NPT Inlet  | Description | Part #         |
|-----------------|-------------|----------------|
| $\frac{3}{8}$ " | 5' hose     | <b>8320605</b> |

- additional hose lengths are available - contact Dixon®



## Washdown Nozzles

### Sweeper Nozzle



| Thread Size | Discharge | Length | Brass           |              |
|-------------|-----------|--------|-----------------|--------------|
|             |           |        | Previous Part # | Part #       |
| ¾" GHT      | 3/16"     | 2"     | 500SN2          | <b>PSN76</b> |

### Flexible Water Nozzle



**Feature:**

- bends for water flow, shuts off when released

| Thread Size | Part #      |
|-------------|-------------|
| ¾" GHT      | <b>8005</b> |

### Brass / Rubber Power Flow Water Nozzle



**Features:**

- all metal body and handle
- curved design to fit the contour of your hand
- overmold for comfortable handling
- built in flow control to regulate the amount of water flow
- locking feature to make extended watering easy
- large easy-turn dial

| Thread Size | Part #          |
|-------------|-----------------|
| ¾" GHT      | <b>PNB75GHT</b> |

### Insulated Water Nozzles



**Features:**

- clip locks to any spray pattern
- industrial strength nylon handle
- rubber handle guard
- GHT thread on head
- heavy duty brass valve and adjusting nut
- for use with hot water up to **140°F (60°C)**

| Thread Size | Chrome Plated Zinc<br>Part # |
|-------------|------------------------------|
| ¾" GHT      | <b>SN75</b>                  |

### Pistol-Grip Water Nozzle



**Features:**

- clip locks to any spray pattern
- easy squeeze on/off lever
- brass valve and adjusting nut
- stainless steel spring with lifetime packing
- rubber handle guard

| Thread Size | Zinc Metallized<br>Part # |
|-------------|---------------------------|
| ¾" GHT      | <b>CSN75</b>              |

### Twist Nozzles



**Feature:**

- maximum operating pressure **150 PSI** (water only)

| Thread Size | Length | Extruded Brass  |                           |
|-------------|--------|-----------------|---------------------------|
|             |        | Previous Part # | Part #                    |
| ¾" GHT      | 4"     | ---             | <b>BTN75</b>              |
|             | 4"     | ---             | <b>500AN4<sup>1</sup></b> |
|             | 6¼"    | 500-AN7         | <b>500AN7<sup>1</sup></b> |

<sup>1</sup> imported

## Adjust-A-Power Nozzle

## Features:

- ideal for patio, auto and boat, driveway and garden
- produces 50% more power than twist nozzles
- does not require a washer
- leave nozzle in the open position when not in use
- brass construction with stainless steel bearings
- maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

| Thread Size | Brass<br>Part #  |
|-------------|------------------|
| ¾" GHT      | <b>AAPN75GHT</b> |



## Constant Flow Nozzle Displays

## Features:

- shatterproof and UV resistant polycarbonate withstands tough environmental conditions
- seals used for true water shut off
- easy twist spray pattern adjustment
- sold in case quantity only (25 per case), with display

| Thread | 45° Spray GPM<br>@ 100 PSI | Color | Global<br>Part #   |
|--------|----------------------------|-------|--------------------|
| ¾" GHT | 25.1                       | green | <b>FNB75GHT-GD</b> |
|        | 25.1                       | clear | <b>CNB75GHT-GD</b> |



## Constant Flow Nozzles with Bumper

## Feature:

- can be used as a replacement nozzle in the display case **FNB75GHT-GD**

| Thread | 45° Spray GPM<br>@ 100 PSI | Color | Plastic<br>Part #          |
|--------|----------------------------|-------|----------------------------|
| ¾" GHT | 8.0                        | green | <b>GNB75GHT</b> (domestic) |
|        | 25.1                       | clear | <b>CNB75GHT</b> (global)   |





## Water-Steam Washdown Station

### Application:

- fail-safe mixing station safely blends steam and cold water for hot water on demand, should cold water fail, the steam is instantly shut-off

### Features:

- globe style control valves
- dial thermometer
- in-line check valves
- ¾" inlet and outlet
- stainless steel hose rack
- mounting plate and hardware for wall mounting
- maximum operating pressure: **150 PSI**
- maximum temperature: **200°F (93°C)**



station is not supplied  
with hose and nozzle

Bronze

Part #

**SWDS**

### Pressure Requirements

| Steam Pressure           |                          | Water Pressure           |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|
| Minimum<br><b>80 PSI</b> | Maximum<br><b>90 PSI</b> | Minimum<br><b>50 PSI</b> | Maximum<br><b>80 PSI</b> |

## Hot and Cold Water Mixing Station

### Features:

- globe style control valves
- in-line check valves
- ¾" inlet and outlet
- stainless steel hose rack
- mounting plate and hardware for wall mounting
- maximum operating pressure: **150 PSI**
- maximum temperature: **200°F (93°C)**



station is not supplied  
with hose and nozzle

Bronze

Part #

**WDS1**

## Rack for Mixing Station

### Features:

- stainless steel lag screws
- solid brass mounting crowns
- supplied with mounting hardware
- rack fits SWDS and WDS1 mixing stations
- holds 50' of ¾" heavy duty industrial grade hose



Stainless Steel

Part #

**WDSR**

## Spray Guns

### Anti-Fatigue Spray Gun

**Features:**

- 3/8" female inlet
- 1/4" female outlet
- temperatures to: **300°F (149°C)**
- anti-fatigue pressure compensating design

| Maximum PSI | GPM         | Part #                   |
|-------------|-------------|--------------------------|
| <b>5075</b> | <b>12.0</b> | <b>HPSG</b>              |
| <b>5000</b> | <b>10.6</b> | <b>HPSGW<sup>1</sup></b> |

<sup>1</sup> W = weeping, for the car wash industry, allows a small stream of water / leak



### Pressure Spray Gun

**Features:**

- 3/8" female inlet
- 1/4" female outlet
- working pressure: **4500 PSI**
- maximum temperature: **320°F (160°C)**

| GPM      | Part #       |
|----------|--------------|
| <b>8</b> | <b>HPSGL</b> |



### Heavy Duty Anti-Fatigue Spray Gun

**Features:**

- 3/8" female inlet
- 1/4" female outlet
- working pressure: **5000 PSI**
- maximum temperature: **300°F (149°C)**
- heavy duty anti-fatigue design
- stainless inner tube
- Zytel® housing

| GPM      | Part #        |
|----------|---------------|
| <b>8</b> | <b>HPSGHD</b> |



### Pressure Spray Gun with Extension

**Features:**

- 3/8" female inlet
- 22 mm x 14 mm female outlet
- working pressure: **3700 PSI**
- maximum temperature: **140°F (60°C)**
- extension length: 19"

| GPM      | Part #     |
|----------|------------|
| <b>8</b> | <b>AL9</b> |



### Pressure Spray Gun Kit with Hose, Nozzle & Lance

**Features:**

- gun: 22 mm male inlet, 22 mm x 14 mm female outlet end, working pressure **2500 PSI**
- lance: 18" with vari-spray nozzle 1.25 mm with 22 mm male inlet
- hose: 25', 1/4" ID with 22 mm x 14 mm female ends
- nozzle: 4.0 variable nozzle 0° to 80°

| Part #         |
|----------------|
| <b>BIT-KIT</b> |



## Spray Lances and Extensions for Pressure Gun

### Spray Lance

**Features:**

- for use with **AL9** spray gun **only** on page 865
- maximum operating pressure: **4000 PSI**
- maximum temperature: **300°F (149°C)**



| Length | Description                                 | Zinc Part #  |
|--------|---|--------------|
| 24"    | 22 mm x 14 mm male inlet x 1/4" male outlet | <b>AL248</b> |

### Dual Spray Lances

**Features:**

- for use with **HPSG, HPSGC, HPSGHD** and **HPSGW**
- for soap and water
- maximum temperature: **300°F (149°C)**
- **10.5 GPM**
- requires 1 high pressure nozzle and 1 soap nozzle on page 869
- Allows quick adjustment from high to low pressure with a twist of the handle; low pressure setting allows for use of soap.



AL333



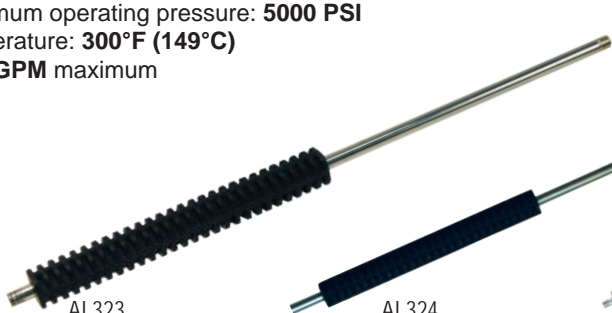
AL344

| Length | Description  | Maximum Operating PSI | Part #       |
|--------|--|-----------------------|--------------|
| 40"    | zinc, 1/4" male inlet 2 each 1/4" female outlets             | <b>3,650</b>          | <b>AL333</b> |
|        | stainless steel, 1/4" male inlet, 2 each 1/4" female outlets | <b>4,000</b>          | <b>AL344</b> |

### Molded Grip Extensions

**Features:**

- for use with **HPSG, HPSGC, HPSGHD** and **HPSGW**
- maximum operating pressure: **5000 PSI**
- temperature: **300°F (149°C)**
- **10.5 GPM** maximum



AL323



AL324



AL325 & AL326

| Length | Description   | Zinc Part #    |
|--------|---|----------------|
| 24"    | 1/4" male inlet x 1/4" male outlet                        | <b>AL323XX</b> |
| 36"    | 1/4" male inlet x 1/4" male outlet, 4" space from the end | <b>AL324XX</b> |
| 48"    | 1/4" male inlet x 1/4" male outlet, 2 grips               | <b>AL325XX</b> |
| 59"    | 1/4" male inlet x 1/4" male outlet, 2 grips               | <b>AL326XX</b> |

### Vented Grip Lances

**Features:**

- for use with **HPSG, HPSGC, HPSGHD** and **HPSGW**
- for hot water
- maximum operating pressure: **5000 PSI**
- maximum temperature: **300°F (149°C)**
- **10.5 GPM** maximum



AL361



AL362

| Length | Description                                    | Zinc Part #  |
|--------|--|--------------|
| 36"    | 1/4" male inlet x 1/4" female outlet, straight | <b>AL361</b> |
| 48"    | 1/4" male inlet x 1/4" female outlet, bent     | <b>AL362</b> |

## Telescoping Lance and Belt for Pressure Gun

## Features:

- $\frac{3}{8}$ " female (pipe thread) inlet
- $\frac{1}{4}$ " female (quick connect) outlet
- maximum operating pressure: **4000 PSI**
- $\frac{1}{4}$ " steel braided hose
- **7 GPM**
- length is in three sections
- maximum temperature: **300°F (149°C)**

| Length   | Aluminum<br>Part # |
|----------|--------------------|
| 6' - 18' | <b>ARTEL18A</b>    |



## Telescoping Lance Belt

## Feature:

- adjusts to fit a 33" to 58" waist

| Nylon<br>Part #   |
|-------------------|
| <b>ARTEL-BELT</b> |



## Swiveling Quick Couplings

## Features:

- working pressure: **3650 PSI**
- **7.8 GPM**
- maximum temperature: **300°F (149°C)**

 $\frac{1}{4}$ " swiveling quick couplings

| Description                                    | Part #                    |
|--|---------------------------|
| $\frac{1}{4}$ " female x 22 mm x 1.5 mm swivel | <b>AL450</b> <sup>1</sup> |
| <sup>1</sup> for use with <b>AL456</b> only    |                           |



| Description                                  | Part #                    |
|--|---------------------------|
| $\frac{1}{4}$ " male x 22 mm x 1.5 mm swivel | <b>AL451</b> <sup>2</sup> |
| <sup>2</sup> for use with <b>AL464</b> only  |                           |

 $\frac{3}{8}$ " swiveling quick couplings

| Description                                    | Part #                    |
|--|---------------------------|
| $\frac{3}{8}$ " female x 22 mm x 1.5 mm swivel | <b>AL453</b> <sup>1</sup> |
| <sup>1</sup> for use with <b>AL456</b> only    |                           |



| Description                                 | Part #                    |
|---|---------------------------|
| $\frac{3}{8}$ " female x female swivel      | <b>AL462</b> <sup>2</sup> |
| <sup>2</sup> for use with <b>AL464</b> only |                           |



## Pressure Washing

### Fixed Plugs

**Features:**

- working pressure: **3650 PSI**
- **7.8 GPM**
- maximum temperature: **300°F (149°C)**



#### 1/4" fixed quick coupling plugs

| Description                       | Part #                    |
|-----------------------------------|---------------------------|
| 1/4" female x 22 mm x 1.5 mm male | <b>AL454</b> <sup>1</sup> |

<sup>1</sup> for use with **AL453** and **AL9**

| Description                     | Part #                     |
|---------------------------------|----------------------------|
| 1/4" male x 22 mm x 1.5 mm male | <b>AL455F</b> <sup>2</sup> |

<sup>2</sup> for use with **AL462** only

#### 3/8" fixed quick coupling plugs



| Description                       | Part #                    |
|-----------------------------------|---------------------------|
| 3/8" female x 22 mm x 1.5 mm male | <b>AL456</b> <sup>1</sup> |

<sup>1</sup> for use with **AL453** and **AL9**

| Description             | Nickel Plated Brass<br>Part # |
|-------------------------|-------------------------------|
| 3/8" female x male plug | <b>AL464</b> <sup>2</sup>     |

<sup>2</sup> for use with **AL462** only

### Injector Nozzles

**Features:**

- designed to inject cleaning solutions into high pressure discharge lines
- 3/8" male inlet and outlet
- maximum working pressure: **4000 PSI**



AL477

| Description       | Orifice | Flow (GPM) | Part #       |
|-------------------|---------|------------|--------------|
| adjustable, green | 1.8 mm  | 2 - 3      | <b>AL472</b> |
| adjustable, red   | 2.1 mm  | 3 - 4      | <b>AL477</b> |
| adjustable, blue  | 2.3 mm  | 4 - 5.5    | <b>AL478</b> |

### Line Strainer

**Features:**

- working pressure: **100 PSI**
- 1/2" female inlet, 1/2" male outlet
- .60 mesh cuffed filter
- 2 additional 1/4" side ports
- **8 GPM** maximum



Aluminum  
Part #

**AR3000-A2**

## High Pressure Spray Soap Nozzles

| Description                              | Brass<br>Part # |
|--|-----------------|
| ¼" male inlet, 40° spray angle, size #40 | <b>NZ4040S</b>  |
| ¼" male inlet, 80° spray angle, size #40 | <b>NZ8040S</b>  |



## High Pressure Spray Nozzles

| Description                                | Steel<br>Part # |
|--|-----------------|
| ¼" male NPT inlet, 15° spray angle, size 4 | <b>NZ1504</b>   |
| ¼" male NPT inlet, 25° spray angle, size 4 | <b>NZ2504</b>   |
| ¼" male NPT inlet, 40° spray angle, size 4 | <b>NZ4004</b>   |



## Quick Connect Soap Nozzle

- use with ¼" couplers on page 498

| Description   | Brass<br>Part #  |
|---|------------------|
| ¼" straight through plug inlet, 65° spray angle, size #40 | <b>NZ6540QCS</b> |



## Quick Connect Spray Nozzles

- use with ¼" couplers on page 498

| Description  | Part #        |
|--|---------------|
| ¼" straight through plug inlet, 0° spray angle, size #4, red     | <b>MSP400</b> |
| ¼" straight through plug inlet, 15° spray angle, size #4, yellow | <b>MSP415</b> |
| ¼" straight through plug inlet, 25° spray angle, size #4, green  | <b>MSP425</b> |
| ¼" straight through plug inlet, 40° spray angle, size #4, white  | <b>MSP440</b> |



## Multi-Pack Quick Connect Nozzles

| Description                          | Nozzles Included | Part #         |
|--------------------------------------|------------------|----------------|
| ¼", 65° spray angle, size #40        | NZ6540QCS        | <b>MSP4PAK</b> |
| ¼", 15° spray angle, size #4, yellow | MSP415           |                |
| ¼", 25° spray angle, size #4, green  | MSP425           |                |
| ¼", 40° spray angle, size #4, white  | MSP440           |                |



## Multi-Pack High Pressure Spray Nozzles

- ¼" quick connect nozzle multi-packs include: 0° red, 15° yellow, 25° green, 40° white and 50° black soap nozzles
- ¼" MEG nozzle multi-packs include: 0°, 15°, 25°, 40° and 65° soap nozzles

| Nozzle<br>Size | GPM @ PSI |      |      |      |      |      |      |      |      | Part #             |
|----------------|-----------|------|------|------|------|------|------|------|------|--------------------|
|                | 800       | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 5000 |                    |
| 3.0            | 1.34      | 1.50 | 1.84 | 2.12 | 2.37 | 2.60 | 2.81 | 3.00 | 3.35 | <b>NZMQC5P-030</b> |
| 3.5            | 1.57      | 1.75 | 2.14 | 2.47 | 2.77 | 3.03 | 3.27 | 3.50 | 3.91 | <b>NZMQC5P-035</b> |
| 4.0            | 1.79      | 2.00 | 2.45 | 2.83 | 3.16 | 3.46 | 3.74 | 4.00 | 4.47 | <b>NZMQC5P-040</b> |
| 4.5            | 2.01      | 2.25 | 2.76 | 3.18 | 3.56 | 3.90 | 4.21 | 4.50 | 5.03 | <b>NZMQC5P-045</b> |
| 5.0            | 2.24      | 2.50 | 3.06 | 3.54 | 3.95 | 4.33 | 4.68 | 5.00 | 5.59 | <b>NZMQC5P-050</b> |
| 5.5            | 2.46      | 2.75 | 3.37 | 3.89 | 4.35 | 4.76 | 5.14 | 5.50 | 6.15 | <b>NZMQC5P-055</b> |
| 6.5            | 2.91      | 3.25 | 3.98 | 4.60 | 5.14 | 5.63 | 6.08 | 6.50 | 7.27 | <b>NZMQC5P-065</b> |
| 8.0            | 3.58      | 4.00 | 4.90 | 5.66 | 6.32 | 6.93 | 7.48 | 8.00 | 8.94 | <b>NZMQC5P-080</b> |

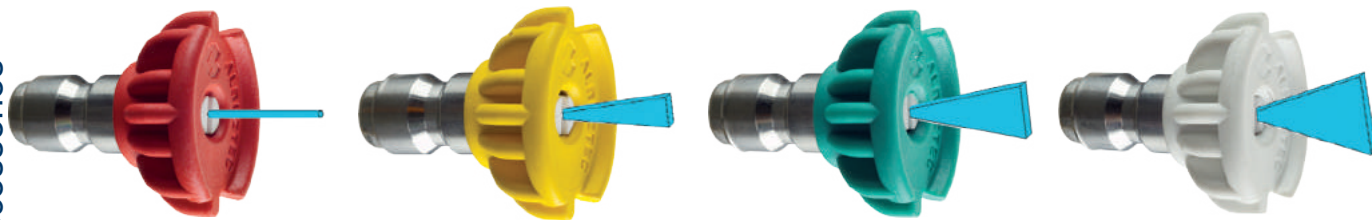


| Nozzle<br>Size | GPM @ PSI |      |      |      |      |      |      |      |      | Part #              |
|----------------|-----------|------|------|------|------|------|------|------|------|---------------------|
|                | 800       | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 5000 |                     |
| 3.5            | 1.57      | 1.75 | 2.14 | 2.47 | 2.77 | 3.03 | 3.27 | 3.50 | 3.91 | <b>NZMMEG5P-035</b> |
| 4.0            | 1.79      | 2.00 | 2.45 | 2.83 | 3.16 | 3.46 | 3.74 | 4.00 | 4.47 | <b>NZMMEG5P-040</b> |
| 4.5            | 2.01      | 2.25 | 2.76 | 3.18 | 3.56 | 3.90 | 4.21 | 4.50 | 5.03 | <b>NZMMEG5P-045</b> |
| 5.0            | 2.24      | 2.50 | 3.06 | 3.54 | 3.95 | 4.33 | 4.68 | 5.00 | 5.59 | <b>NZMMEG5P-050</b> |
| 5.5            | 2.46      | 2.75 | 3.37 | 3.89 | 4.35 | 4.76 | 5.14 | 5.50 | 6.15 | <b>NZMMEG5P-055</b> |





## Spray Nozzle Selection Guidelines



**0°  
Blasting Nozzle**

- Removing caked on mud from heavy construction, farm or lawn equipment.
- Cleaning tar, glue or stubborn stains from concrete
- Cleaning overhead areas
- Removing rust from steel and oxidation from aluminum

**15°  
Stripping Nozzle**

- Removing paint from wood, masonry or metal
- Removing grease or dirt from equipment
- Removing heavy mildew stains
- Removing marine growth from boats and marine equipment
- Removing rust from steel and oxidation from aluminum

**25°  
Cleaning Nozzle**

- General cleaning of dirt, mud and grime
- Cleaning roofs, gutters and downspouts
- Removing light mildew stains
- Removing algae and bacteria build-up from pools
- Rinsing surfaces in preparation for painting

**40°  
Washing Nozzle**

- Light cleaning and washing
- Washing and rinsing of automobiles and boats
- Cleaning roofs, windows, patios and driveways



Caution: The spray force from these nozzles can cause injuries if pointed directly at yourself or others. Before observing directly always disconnect from spray wand. Make sure spray nozzle is properly locked in place with its quick coupler, if the collar is not in the locking position, the nozzle will become a dangerous projectile. The O-ring from your quick coupler socket will also be blown out of place.

## Nozzle Spray Chart

| Nozzle Orifice Size | Flow Rate (GPM) | 1000 PSI | 1200 PSI | 1250 PSI | 1300 PSI | 1500 PSI | 1800 PSI | 2000 PSI | 2100 PSI | 2200 PSI | 2300 PSI | 2400 PSI | 2500 PSI | 3000 PSI | 3200 PSI | 3500 PSI | 4000 PSI | 5000 PSI |
|---------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 3.0                 | Per Minute      | 1.50     | 1.64     | 1.68     | 1.71     | 1.84     | 2.01     | 2.12     | 2.17     | 2.22     | 2.27     | 2.32     | 2.37     | 2.60     | 2.68     | 2.81     | 3.00     | 3.35     |
| 3.5                 |                 | 1.75     | 1.92     | 1.96     | 2.00     | 2.14     | 2.35     | 2.47     | 2.54     | 2.60     | 2.65     | 2.71     | 2.77     | 3.03     | 3.13     | 3.27     | 3.50     | 3.91     |
| 4.0                 |                 | 2.00     | 2.19     | 2.24     | 2.28     | 2.45     | 2.68     | 2.83     | 2.90     | 2.97     | 3.03     | 3.10     | 3.16     | 3.46     | 3.58     | 3.74     | 4.00     | 4.47     |
| 4.5                 |                 | 2.25     | 2.46     | 2.52     | 2.57     | 2.76     | 3.02     | 3.18     | 3.26     | 3.34     | 3.41     | 3.49     | 3.56     | 3.90     | 4.02     | 4.21     | 4.50     | 5.03     |
| 5.0                 |                 | 2.50     | 2.74     | 2.80     | 2.85     | 3.06     | 3.35     | 3.54     | 3.62     | 3.71     | 3.79     | 3.87     | 3.95     | 4.33     | 4.47     | 4.68     | 5.00     | 5.59     |
| 5.5                 |                 | 2.75     | 3.01     | 3.07     | 3.14     | 3.37     | 3.69     | 3.89     | 3.99     | 4.08     | 4.17     | 4.26     | 4.35     | 4.76     | 4.92     | 5.14     | 5.50     | 6.15     |
| 6.5                 |                 | 3.25     | 3.56     | 3.63     | 3.71     | 3.98     | 4.36     | 4.60     | 4.71     | 4.82     | 4.93     | 5.03     | 5.14     | 5.63     | 5.81     | 6.08     | 6.50     | 7.27     |
| 8.0                 |                 | 4.00     | 4.38     | 4.47     | 4.56     | 4.90     | 5.37     | 5.66     | 5.80     | 5.93     | 6.07     | 6.20     | 6.32     | 6.93     | 7.16     | 7.48     | 8.00     | 8.94     |



## Turbo Nozzles

## Features:

- 15° spray angle
- maximum temperature: **195°F (91°C)**
- ceramic orifice

| Nozzle Size | Description                | Orifice | Maximum Working PSI | Part #             |
|-------------|----------------------------|---------|---------------------|--------------------|
| 4.0         | ¼" female inlet, dk. green | 1.30 mm | <b>3,625</b>        | <b>AL-TPR25-30</b> |
| 5.5 - 6.0   | ¼" female inlet, purple    | 1.50 mm | <b>3,625</b>        | <b>AL-TPR25-50</b> |
| 7.0 - 7.5   | ¼" female inlet, grey      | 1.70 mm | <b>3,625</b>        | <b>AL-TPR25-70</b> |
| 4.0         | ¼" female inlet, dk. green | 1.30 mm | <b>5,075</b>        | <b>AL-TPR35-30</b> |
| 5.5         | ¼" female inlet, purple    | 1.50 mm | <b>5,075</b>        | <b>AL-TPR35-50</b> |
| 6.5         | ¼" female inlet, grey      | 1.70 mm | <b>5,075</b>        | <b>AL-TPR35-70</b> |



## Nozzle Holders

## Feature:

- maximum temperature: **300°F (149°C)**

| Description   | Flow (GPM) | Working PSI  | Part #       |
|---|------------|--------------|--------------|
| adjustable hi/low nozzle holder with nozzle protector, ¼" female inlet and outlet | <b>7.8</b> | <b>3,650</b> | <b>AL414</b> |
| change over nozzle, ¼" female inlet, 2 each ¼" female outlets                     | <b>8</b>   | <b>2,900</b> | <b>AL416</b> |



AL414



AL416

## Inlet Filter for Turbo Nozzles

## Features:

- ¼" female inlet, ¼" male outlet
- maximum temperature: **212°F (100°C)**
- 100 mesh filter

| Description                         | Flow (GPM) | Working PSI  | Part #        |
|-------------------------------------|------------|--------------|---------------|
| stainless steel, inlet water filter | <b>8</b>   | <b>5,000</b> | <b>AR3500</b> |



## Balance Release Valve

## Features:

- working PSI: **4,000 PSI**
- maximum temperature: **195°F (90.6°)**
- GPM: **6.6**
- inlet/outlet: ¾" female NPT
- bypass: ¾" female NPT

|              |
|--------------|
| Brass        |
| Part #       |
| <b>AL702</b> |



## Water Broom

## Features:

- working PSI: **4,000 PSI**
- ¼" quick connect plug

| Description    | Length | Stainless Steel Part # |
|----------------|--------|------------------------|
| 4 nozzle broom | 16"    | <b>AR-BROOM16</b>      |



## Unloader Valves



### Features:

- automatically relieves pressure from the pump at shut-off
- maximum temperature: **190°F (88°C)**
- inlet: 2 each, 3/8" female NPT
- outlet: 3/8" female NPT
- bypass: 2 each, 3/8" female NPT

| Description   | Maximum Flow (GPM) | Working PSI  | Part #       |
|---------------|--------------------|--------------|--------------|
| yellow spring | 8                  | <b>2,320</b> | <b>AL605</b> |
| blue spring   | 8                  | <b>3,650</b> | <b>AL606</b> |
| black spring  | 8                  | <b>4,500</b> | <b>AL607</b> |



### Features:

- maximum temperature: **190°F (88°C)**
- inlet: 3/8" female
- outlet: 3/8" male
- bypass: 3/8" female

| Description          | Flow (GPM) | Working PSI  | Part #         |
|----------------------|------------|--------------|----------------|
| VR-35 unloader valve | 9          | <b>5,100</b> | <b>AR20831</b> |

## Thermal Relief Valve



### Features:

- operating PSI: **200 PSI**
- maximum temperature: **140°F (60°C)**
- inlet: 1/2" male

|               |
|---------------|
| Brass         |
| Part #        |
| <b>TPP140</b> |

## Safety Release Valve



### Features:

- pressure range: **1,000 to 4,000 PSI**
- maximum temperature: **200°F (93°C)**
- inlet: 3/8" male
- GPM: **6**

|                 |
|-----------------|
| Part #          |
| <b>AR5000-1</b> |

|   |                   |   |                   |
|---|-------------------|---|-------------------|
| <b>Mill Hose .....</b>                    | <b>874 to 877</b> | <b>PTFE Hose .....</b>                        | <b>893, 896</b>   |
| Synthetic single jacket.....              | 874 to 876        | Nominal .....                                 | 893               |
| Synthetic double jacket.....              | 877               | Fittings .....                                | 894               |
|   |                   | Tool and dies.....                            | 894, 895          |
| <b>Washdown Hose.....</b>                 | <b>878 to 880</b> | Smooth bore fitting.....                      | 895               |
| Nitrile .....                             | 878 to 879, 880   | True ID.....                                  | 896               |
| Hot water .....                           | 880               | Fittings .....                                | 896, 897          |
| Pressure washer braided.....              | 880               | Crimp collars .....                           | 897               |
| Hand crank hose reel .....                | 880               |   |                   |
| <b>Racks &amp; Reels.....</b>             | <b>881 to 882</b> | <b>Hose Protection .....</b>                  | <b>898 to 900</b> |
| Reelcraft® 5000 series spring driven..... | 881               | Spiral hose and cable protection .....        | 898               |
| Reelcraft® 7000 series .....              | 881               | Fiberglass sleeving.....                      | 899               |
| Reelcraft® 80000 series .....             | 882               | Kevlar® protective sleeves .....              | 899               |
| Adjustable hose bumper stops .....        | 882               | Nylon protective sleeves - MSHA accepted..... | 899               |
| Reelcraft® 30,000 manual driven .....     | 882               | Spring Guard .....                            | 900               |
| Hand crank .....                          | 882               | Continuous Spring Guard.....                  | 900               |
|   |                   | GSM ball joint armored hose assemblies.....   | 900               |
| <b>Garden Hose &amp; Washdown .....</b>   | <b>883 to 885</b> |   |                   |
| Contractors EPDM water hose.....          | 883               |   |                   |
| Rubber vinyl garden hose.....             | 883               |   |                   |
| Premium EPDM hose.....                    | 883               |   |                   |
| Flexogen® hose.....                       | 883               |   |                   |
| Perfect water hose.....                   | 884               |   |                   |
| Premium Flexzilla® garden hose .....      | 884               |   |                   |
| Top Level PVC hose .....                  | 884               |   |                   |
| Hot Water rubber reinforced hose .....    | 884               |   |                   |
| Marine, Camper, Patio & Pool hose .....   | 885               |   |                   |
| Country Club® RT hose .....               | 885               |   |                   |
| <b>Flexible Tubing.....</b>               | <b>886 to 889</b> |   |                   |
| PVC .....                                 | 886               |   |                   |
| PVC braided .....                         | 887               |   |                   |
| D.O.T. air brake .....                    | 887               |   |                   |
| Polyurethane .....                        | 888               |   |                   |
| Polyethylene.....                         | 888               |   |                   |
| Nylon .....                               | 888               |   |                   |
| Legris nylon .....                        | 889               |   |                   |
| Polyurethane - 95 durometer.....          | 889               |   |                   |
| Fluoropolymer FEP 140.....                | 889               |   |                   |
| <b>Air Hose.....</b>                      | <b>890 to 891</b> |   |                   |
| Coil-Chief self-storing .....             | 890               |   |                   |
| Polyurethane self-storing.....            | 891               |   |                   |
| Polyurethane .....                        | 891               |   |                   |
| <b>Tubing &amp; Hose Cutters .....</b>    | <b>892</b>        |   |                   |

Fire hoses are located on pages 732 to 739

## Synthetic Single Jacket Mill Hose

**Application:**

- used in open end water discharge applications only, not intended for fire fighting service

**Features:**

- outer construction: single jacket, all polyester
- tube construction: black, PVC rubber
- rated pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **112 PSI** at ambient temperature **70°F (21°C)**
- Consult Dixon® for pricing and availability on 75' lengths and other threads and configurations.

**Uncoupled**

| Size | Bowl     | Length | Part #           |
|------|----------|--------|------------------|
| 1"   | 1-1/4"   | 50'    | <i>M10-50UC</i>  |
|      | 1-1/4"   | 100'   | <i>M10-100UC</i> |
|      | 1-1/4"   | 300'   | <i>M10-300UC</i> |
| 1½"  | 1-11/16" | 25'    | <i>M15-25UC</i>  |
|      | 1-11/16" | 50'    | <i>M15-50UC</i>  |
|      | 1-11/16" | 100'   | <i>M15-100UC</i> |
| 2"   | 2-3/8"   | 25'    | <i>M20-25UC</i>  |
|      | 2-3/8"   | 50'    | <i>M20-50UC</i>  |
|      | 2-3/8"   | 100'   | <i>M20-100UC</i> |
| 2½"  | 2-11/16" | 25'    | <i>M25-25UC</i>  |
|      | 2-11/16" | 50'    | <i>M25-50UC</i>  |
|      | 2-11/16" | 100'   | <i>M25-100UC</i> |
| 3"   | 3-3/8"   | 25'    | <i>M30-25UC</i>  |
|      | 3-3/8"   | 50'    | <i>M30-50UC</i>  |
|      | 3-3/8"   | 100'   | <i>M30-100UC</i> |
| 4"   | 4-3/8"   | 25'    | <i>M40-25UC</i>  |
|      | 4-3/8"   | 50'    | <i>M40-50UC</i>  |
|      | 4-3/8"   | 100'   | <i>M40-100UC</i> |
| 6"   | 6-3/8"   | 25'    | <i>M60-25UC</i>  |
|      | 6-3/8"   | 50'    | <i>M60-50UC</i>  |



## Synthetic Single Jacket Mill Hose

### Application:

- used in open end water discharge applications only, not intended for fire fighting service



### Features:

- outer construction: single jacket, all polyester
- tube construction: black, PVC rubber
- rated pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **125 PSI** at ambient temperature **70°F (21°C)**
- Consult Dixon® for pricing and availability on 75' lengths and other threads and configurations.

### Coupled with NPSH female and male expansion ring couplings

| Size | Length | Part #           |
|------|--------|------------------|
| 1½"  | 50'    | <i>M15-50RAS</i> |
|      | 100'   | <i>M15100RAS</i> |
| 2"   | 50'    | <i>M20-50RAS</i> |
|      | 100'   | <i>M20100RAS</i> |
| 2½"  | 50'    | <i>M25-50RAS</i> |
|      | 100'   | <i>M25100RAS</i> |



### Coupled with NST (NH) female and male expansion ring couplings

| Size | Length | Part #           |
|------|--------|------------------|
| 1½"  | 50'    | <i>M15-50RAF</i> |
|      | 100'   | <i>M15100RAF</i> |
| 2½"  | 25'    | <i>M25-25RAF</i> |
|      | 50'    | <i>M25-50RAF</i> |
|      | 100'   | <i>M25100RAF</i> |



### Coupled with MNPT x MNPT male expansion ring couplings

| Size | Length | Part #           |
|------|--------|------------------|
| 1½"  | 50'    | <i>M15-50RAT</i> |
|      | 100'   | <i>M15100RAT</i> |
| 2"   | 50'    | <i>M20-50RAT</i> |
|      | 100'   | <i>M20100RAT</i> |





## Synthetic Single Jacket Mill Hose

### Application:

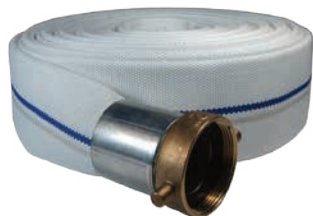
- used in open end water discharge applications only, not intended for fire fighting service



### Features:

- outer construction: single jacket, all polyester
- tube construction: black, PVC rubber
- Consult Dixon® for pricing and availability of additional lengths and other configurations.

**Coupled with NPSH female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut**



| Size | Length | Working Pressure PSI<br>at 70°F (21°C) | Part #    |
|------|--------|--|-----------|
| 1½"  | 25'    | 75                                     | M15-25KAS |
|      | 50'    | 75                                     | M15-50KAS |
| 2"   | 25'    | 75                                     | M20-25KAS |
|      | 50'    | 75                                     | M20-50KAS |
| 2½"  | 25'    | 50                                     | M25-25KAS |
|      | 50'    | 50                                     | M25-50KAS |
| 3"   | 25'    | 50                                     | M30-25KAS |
|      | 50'    | 50                                     | M30-50KAS |

**Coupled with NST (NH) female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut**



| Size | Length | Working Pressure PSI<br>at 70°F (21°C) | Part #    |
|------|--------|--|-----------|
| 1½"  | 25'    | 75                                     | M15-25KAF |
|      | 50'    | 75                                     | M15-50KAF |
| 2½"  | 25'    | 50                                     | M25-25KAF |
|      | 50'    | 50                                     | M25-50KAF |

**Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve**




| Size | Length | Working Pressure PSI<br>at 70°F (21°C) | Part #    |
|------|--------|--|-----------|
| 1½"  | 25'    | 112                                    | M15-25GAX |
|      | 50'    | 112                                    | M15-50GAX |
| 2"   | 25'    | 112                                    | M20-25GAX |
|      | 50'    | 112                                    | M20-50GAX |
| 2½"  | 25'    | 112                                    | M25-25GAX |
|      | 50'    | 112                                    | M25-50GAX |
| 3"   | 25'    | 112                                    | M30-25GAX |
|      | 50'    | 112                                    | M30-50GAX |
| 4"   | 25'    | 112                                    | M40-25GAX |
|      | 50'    | 112                                    | M40-50GAX |

## Synthetic Double Jacket Mill Hose

**Application:**

- ideal for open end discharge applications, not intended for fire fighting service 

**Features:**

- outer construction: double jacket, all polyester
- tube construction: black, PVC rubber
- rated pressure: **250 PSI at 70°F (21°C)**
- working pressure: **200 PSI at 70°F (21°C)**
- double jacket hoses are **not** recommended for use with field reattachable couplings 
- Consult Dixon® for pricing and availability of additional lengths and other configurations.

**Uncoupled**

| Size | Bowl     | Length | Part #            |
|------|----------|--------|-------------------|
| 1½"  | 1-13/16" | 50'    | <b>DM15-50UC</b>  |
|      | 1-13/16" | 100'   | <b>DM15-100UC</b> |
| 2"   | 2-5/16"  | 50'    | <b>DM20-50UC</b>  |
|      | 2-5/16"  | 100'   | <b>DM20-100UC</b> |
| 2½"  | 2-7/8"   | 50'    | <b>DM25-50UC</b>  |
|      | 2-7/8"   | 100'   | <b>DM25-100UC</b> |

**Coupled with female and male NST (NH) thread, rocker lug, aluminum expansion ring couplings**

| Size | Bowl     | Length | Part #            |
|------|----------|--------|-------------------|
| 1½"  | 1-13/16" | 50'    | <b>DM15-50RAF</b> |
|      | 1-13/16" | 100'   | <b>DM15100RAF</b> |
| 2½"  | 2-7/8"   | 50'    | <b>DM25-50RAF</b> |
|      | 2-7/8"   | 100'   | <b>DM25100RAF</b> |

**Coupled with female and male NPSH thread, rocker lug, aluminum expansion ring couplings**

| Size | Bowl     | Length | Part #            |
|------|----------|--------|-------------------|
| 1½"  | 1-13/16" | 50'    | <b>DM15-50RAS</b> |
|      | 1-13/16" | 100'   | <b>DM15100RAS</b> |
| 2"   | 2-5/16"  | 50'    | <b>DM20-50RAS</b> |
|      | 2-5/16"  | 100'   | <b>DM20100RAS</b> |
| 2½"  | 2-7/8"   | 50'    | <b>DM25-50RAS</b> |
|      | 2-7/8"   | 100'   | <b>DM25100RAS</b> |

**Coupled with female and male NPT thread, rocker lug, aluminum expansion ring couplings**

| Size | Bowl     | Length | Part #            |
|------|----------|--------|-------------------|
| 1½"  | 1-13/16" | 50'    | <b>DM15-50RAT</b> |
|      | 1-13/16" | 100'   | <b>DM15100RAT</b> |
| 2"   | 2-5/16"  | 50'    | <b>DM20-50RAT</b> |
|      | 2-5/16"  | 100'   | <b>DM20100RAT</b> |
| 2½"  | 2-7/8"   | 50'    | <b>DM25-50RAT</b> |

**Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve**

| Size | Bowl     | Length | Part #            |
|------|----------|--------|-------------------|
| 1½"  | 1-13/16" | 50'    | <b>DM15-50GAX</b> |
|      | 1-13/16" | 100'   | <b>DM15100GAX</b> |
| 2"   | 2-5/16"  | 50'    | <b>DM20-50GAX</b> |
|      | 2-5/16"  | 100'   | <b>DM20100GAX</b> |

**NEW**

## Nitrile Washdown Hose

**Application:**

- ideal for industrial, agricultural and construction washdown and discharge applications, not for firefighting

**Features:**

- resistant to weather and abrasion
- working pressure: **200 PSI**

**Coupled with NPSH female and male expansion ring couplings**

| Size | Length | Part #               |
|------|--------|----------------------|
| 1½"  | 50'    | <b>WDH15BK50RAS</b>  |
|      | 100'   | <b>WDH15BK100RAS</b> |
| 2"   | 50'    | <b>WDH20BK50RAS</b>  |
|      | 100'   | <b>WDH20BK100RAS</b> |
| 2½"  | 50'    | <b>WDH25BK50RAS</b>  |
|      | 100'   | <b>WDH25BK100RAS</b> |

**Coupled with NST female and male expansion ring couplings**

| Size | Length | Part #               |
|------|--------|----------------------|
| 1½"  | 50'    | <b>WDH15BK50RAF</b>  |
|      | 100'   | <b>WDH15BK100RAF</b> |
| 2½"  | 25'    | <b>WDH25BK25RAF</b>  |
|      | 50'    | <b>WDH25BK50RAF</b>  |
|      | 100'   | <b>WDH25BK100RAF</b> |

**Coupled with MNPT x MNPT male expansion ring couplings**

| Size | Length | Part #               |
|------|--------|----------------------|
| 1½"  | 50'    | <b>WDH15BK50RAT</b>  |
|      | 100'   | <b>WDH15BK100RAT</b> |
| 2"   | 50'    | <b>WDH20BK50RAT</b>  |
|      | 100'   | <b>WDH20BK100RAT</b> |

## Nitrile Washdown Hose

**Application:**

- ideal for industrial, agricultural, chemical and construction washdown and discharge applications, not for firefighting

**Feature:**

- resistant to weather and abrasion

**Coupled with NPSH female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut**

| Size | Length | Part #              |
|------|--------|---------------------|
| 1½"  | 25'    | <i>WDH15BK25KAS</i> |
|      | 50'    | <i>WDH15BK50KAS</i> |
| 2"   | 25'    | <i>WDH20BK25KAS</i> |
|      | 50'    | <i>WDH20BK50KAS</i> |
| 2½"  | 25'    | <i>WDH25BK25KAS</i> |
|      | 50'    | <i>WDH25BK50KAS</i> |
| 3"   | 25'    | <i>WDH30BK25KAS</i> |
|      | 50'    | <i>WDH30BK50KAS</i> |



**Coupled with NST (NH) female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut**

| Size | Length | Part #              |
|------|--------|---------------------|
| 1½"  | 25'    | <i>WDH15BK25KAF</i> |
|      | 50'    | <i>WDH15BK50KAF</i> |
| 2½"  | 25'    | <i>WDH25BK25KAF</i> |
|      | 50'    | <i>WDH25BK50KAF</i> |



**Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve**

| Size | Length | Part #              |
|------|--------|---------------------|
| 1½"  | 25'    | <i>WDH15BK25GAX</i> |
|      | 50'    | <i>WDH15BK50GAX</i> |
| 2"   | 25'    | <i>WDH20BK25GAX</i> |
|      | 50'    | <i>WDH20BK50GAX</i> |
| 2½"  | 25'    | <i>WDH25BK25GAX</i> |
|      | 50'    | <i>WDH25BK50GAX</i> |
| 3"   | 25'    | <i>WDH30BK25GAX</i> |
|      | 50'    | <i>WDH30BK50GAX</i> |
| 4"   | 25'    | <i>WDH40BK25GAX</i> |
|      | 50'    | <i>WDH40BK50GAX</i> |



## Nitrile Washdown Hose

**Application:**

- ideal for industrial, agricultural and construction washdown and discharge applications, not for firefighting

**Feature:**

- resistant to weather and abrasion

**Uncoupled**

| Size | Color  | Bowl     | Length | Working Pressure | Part #              |
|------|--------|----------|--------|------------------|---------------------|
| 1"   | black  | 1¼"      | 50'    | 200 PSI          | <i>WDH10BK50UC</i>  |
|      | black  | 1¼"      | 100'   |                  | <i>WDH10BK100UC</i> |
|      | yellow | 1¼"      | 100'   |                  | <i>WDH10Y100UC</i>  |
|      | blue   | 1¼"      | 100'   |                  | <i>WDH10BL100UC</i> |
| 1½"  | black  | 1-13/16" | 50'    |                  | <i>WDH15BK50UC</i>  |
|      | black  | 1-13/16" | 100'   |                  | <i>WDH15BK100UC</i> |
| 2"   | black  | 2-5/16"  | 50'    |                  | <i>WDH20BK50UC</i>  |
|      | black  | 2-5/16"  | 100'   |                  | <i>WDH20BK100UC</i> |
| 2½"  | black  | 2-13/16" | 50'    |                  | <i>WDH25BK50UC</i>  |
|      | black  | 2-13/16" | 100'   |                  | <i>WDH25BK100UC</i> |
| 3"   | black  | 3¾"      | 50'    | 150 PSI          | <i>WDH30BK50UC</i>  |
|      | black  | 3¾"      | 100'   |                  | <i>WDH30BK100UC</i> |
| 4"   | black  | 4¾"      | 50'    |                  | <i>WDH40BK50UC</i>  |
|      | black  | 4¾"      | 100'   |                  | <i>WDH40BK100UC</i> |
| 6"   | black  | 6¾"      | 50'    |                  | <i>WDH60BK50UC</i>  |
|      | black  | 6¾"      | 100'   |                  | <i>WDH60BK100UC</i> |



## Hot Water Washdown Hose

**Features:**

- smooth extruded Chlorobutyl tube
- white, wrapped Hypalon cover (.075" thick) with braided textile reinforcement
- furnished with internal stainless steel spring guards at both ends
- ¾" male on one end and ½" male on the other
- working pressure: **250 PSI**
- maximum temperature: **200°F (93°C)**



| Hose ID x Length | Part #            |
|------------------|-------------------|
| 5/8" x 25'       | <i>SWDSHOSE25</i> |
| 5/8" x 50'       | <i>SWDSHOSE50</i> |

## Pressure Washer Braided Hose

**Feature:**

- maximum temperature: **250°F (121°C)**



| ID   | Male Swivel Inlet | Male Swivel Outlet | Pressure Rating (PSI) | Length | Rubber Part #      |
|------|-------------------|--------------------|-----------------------|--------|--------------------|
| 3/8" | 3/8"              | 3/8"               | <b>4,000</b>          | 50'    | <i>AR503830SSP</i> |



## Reelcraft® 5000 Series Spring Driven Hose Reels

## Features:

- reel inlet  $\frac{3}{8}$ " NPTF
- all steel construction
- full shaft and swivel
- supplied standard with PVC hose
- maximum temperature: **150°F (66°C)**
- Compressed air hose should not be converted to oxygen service; they are often contaminated with an oil coating, which can react explosively when oxygen is introduced.



## with hose

| Hose ID         | Hose Length | Service     | Working Pressure PSI | Part #        |
|-----------------|-------------|-------------|----------------------|---------------|
| $\frac{1}{4}$ " | 50'         | air / water | <b>300</b>           | <b>5450LP</b> |
| $\frac{3}{8}$ " | 35'         | air / water | <b>300</b>           | <b>5635LP</b> |
|                 | 50'         | air / water | <b>300</b>           | <b>5650LP</b> |

## without hose

| Hose Capacity                                    | Service     | Working Pressure PSI | Part #        |
|--|-------------|----------------------|---------------|
| 50' of $\frac{1}{4}$ " or 35' of $\frac{3}{8}$ " | air / water | <b>500</b>           | <b>5600LP</b> |
| 50' of $\frac{3}{8}$ "                           | air / water | <b>500</b>           | <b>5605LP</b> |



Hose &amp; Tubing

## Reelcraft® 7000 Series Spring Driven Hose Reels

## Features:

- all steel construction
- LP Low Pressure reels:
  - maximum temperature **150°F (66°C)**
  - reel inlet  $\frac{1}{2}$ " NPTF
  - PVC hose is standard
- MP Medium Pressure reels:
  - maximum temperature **210°F (99°C)**
  - reel inlet  $\frac{1}{2}$ " NPTF
  - SAE 100 R1T 1-wire braid hose available
- HP High Pressure reels:
  - maximum temperature **210°F (99°C)**
  - reel inlet  $\frac{1}{4}$ " NPTF
  - SAE 100 R2T 2-wire braid hose available

## with hose

| Hose ID         | Hose Length | Service     | Working Pressure PSI | Part #        |
|-----------------|-------------|-------------|----------------------|---------------|
| $\frac{3}{8}$ " | 70'         | air / water | <b>300</b>           | <b>7670LP</b> |
| $\frac{1}{2}$ " | 50'         | air / water | <b>300</b>           | <b>7850LP</b> |

## without hose

| Hose Capacity                                    | Service     | Working Pressure PSI | Part #        |
|--|-------------|----------------------|---------------|
| 70' of $\frac{3}{8}$ ", 50' of $\frac{1}{2}$ "   | air / water | <b>500</b>           | <b>7800LP</b> |
| 50' of $\frac{3}{8}$ " or 50' of $\frac{1}{2}$ " | oil         | <b>3000</b>          | <b>7800MP</b> |
| 50' of $\frac{1}{4}$ " or 50' of $\frac{3}{8}$ " | grease      | <b>5000</b>          | <b>7600HP</b> |





## Reelcraft® 80000 Series Spring Driven Hose Reels

Hose &amp; Tubing



see below for bumper stops,  
consult Dixon® for uses  
other than stated services

**Features:**

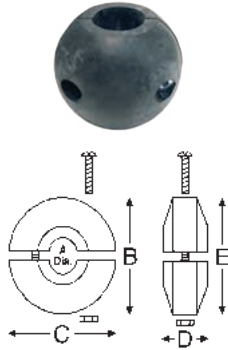
- reel inlet ¾" NPTF
- five-in-one heat treated aluminum casting incorporates main shaft, ratchet, spring arbor and inlet/outlet plumbing in one-piece casting
- furnished standard with PVC hose
- maximum temperature is **150°F (66°C)** *with hose*
- maximum temperature is **210°F (99°C)** *without hose*

**with hose**

| Hose ID | Hose Length | Service     | Working Pressure PSI | Part #         |
|---------|-------------|-------------|----------------------|----------------|
| ½"      | 75'         | air / water | <b>300</b>           | <b>82075LP</b> |
|         | 100'        | air / water | <b>300</b>           | <b>82100LP</b> |
| ¾"      | 50'         | air / water | <b>250</b>           | <b>83050LP</b> |

**without hose**

| Hose Capacity           | Service     | PSI        | Part #         |
|-------------------------|-------------|------------|----------------|
| 50' of ¾" or 100' of ½" | air / water | <b>500</b> | <b>83000LP</b> |

**Adjustable Hose Bumper Stops**

| Hose ID         | Hose OD |        | Dimensions |     | Reel Series Used On | Part #            |
|-----------------|---------|--------|------------|-----|---------------------|-------------------|
|                 | From:   | To:    | B,C,E      | D   |                     |                   |
| ¼"              | .438"   | .625"  | 2½"        | 1¼" | 5000                | <b>1-HR1004A</b>  |
| ⅜"              | .625"   | .749"  | 2½"        | 1¼" | 5000                | <b>1-HR1004</b>   |
| ⅜"              | .625"   | .749"  | 3"         | 1¼" | 7000                | <b>1-HR1004-3</b> |
| ½" or ⅜" 2-wire | .750"   | 1.050" | 3"         | 1¼" | 7000                | <b>2-HR1004-3</b> |
| ¾"              | 1.060"  | 1.300" | 3"         | 1¼" | 7000                | <b>3-HR1004-3</b> |
| ½"              | .750"   | 1.050" | 3½"        | 2⅞" | 9000                | <b>2-HR1005</b>   |
| ¾"              | 1.060"  | 1.380" | 3½"        | 2⅞" | 9000                | <b>3-HR1005</b>   |
| 1"              | 1.390"  | 1.550" | 3½"        | 2⅞" | 9000                | <b>4-HR1005</b>   |

- not included on hose reels ordered without hose, must order separately

## Reelcraft® 30,000 Manual Driven Hose Reels

**Features:**

- reel frame, spool and drum are fabricated from heavy gauge steel
- all bolted construction - no welds
- manual driven standard
- motor drive available
- ½" inlet

**without hose**

| Hose ID | Hose Capacity | Spool Width | Working Pressure PSI | Part #         |
|---------|---------------|-------------|----------------------|----------------|
| ¾"      | 100'          | 12"         | 1000                 | <b>C33112L</b> |
| ½"      | 200'          | 12"         | 3000                 | <b>C32112M</b> |

## Hand Crank Hose Reel

**Features:**

- working PSI: **3,000 PSI**
- maximum temperature: **160°F (71°C)**
- ⅝" outlet, ⅜" inlet
- includes jumper hose, mounting bracket and crank handle
- holds 100' of ⅝" pressure hose

Steel/  
Part #

**AR-REEL100**

## Contractors EPDM Water Hose

## Features:

- heavy duty, crush proof solid brass couplings with wrench grips
- spiral synthetic cord reinforcement
- black cover
- working pressure: **150 PSI**
- temperature range: **-20°F to 180°F (-29°C to 82°C)**

| Size     | EPDM<br>Part # | Optional<br>Qty |
|----------|----------------|-----------------|
| ¾" x 50' | <b>CWH50</b>   | 3               |



Hose &amp; Tubing

## Rubber Vinyl Garden Hose

## Features:

- extra tough, five-ply construction
- exclusive, soft textured, abrasion-resistant green cover
- dual reinforced, heavy-duty, flexibility, kink resistance
- combines durability of rubber, easy handling of vinyl
- SEAL-TITE® leakproof coupling
- working pressure: **400 PSI**
- temperature range: **0°F to 140°F (-18°C to 60°C)**

| Size      | Rubber Vinyl<br>Part # | Optional<br>Qty |
|-----------|------------------------|-----------------|
| ⅝" x 25'  | <b>SGH25</b>           | 5               |
| ⅝" x 50'  | <b>SGH50</b>           | 5               |
| ⅝" x 75'  | <b>SGH75</b>           | 3               |
| ⅝" x 100' | <b>SGH100</b>          | 3               |



## Premium EPDM Hose

## Features:

- professional grade reinforcement provides maximum strength
- heavy-duty flexibility
- ultimate kink resistance
- SEAL-TITE® leakproof coupling
- lead-free drinking water safe
- 40% lighter than standard rubber hose
- black cover
- working pressure: **400 PSI**
- temperature range: **-40°F to 165°F (-40°C to 74°C)**

| Size      | EPDM<br>Part # | Optional<br>Qty |
|-----------|----------------|-----------------|
| ⅝" x 50'  | <b>PGH50</b>   | 4               |
| ⅝" x 100' | <b>PGH100</b>  | 4               |



## Flexogen® Hose

## Features:

- heavy-duty, crush resistant, full-flow brass couplings with a built-in washer for tight sealing
- coils and handles easily in all weather
- lightweight patented 8-ply construction
- maximum kink resistance
- flow guard plus protective collar resists kinks at faucet
- polished surface resists abrasions, stains and mildew
- grey cover

| Size     | Flexogen®<br>Part # |
|----------|---------------------|
| ⅝" x 25' | <b>FGH25</b>        |
| ⅝" x 50' | <b>FGH50</b>        |





## Perfect Water Hose

### Features

- for residential and industrial use
- lightweight, easy handling
- heavy duty male and female garden hose fittings
- blue cover
- polypropylene double helix construction with TPE cover
- flexible and kink-free
- working pressure: **100 PSI at 70°F (21°C)**
- burst pressure: **300 PSI at 70°F (21°C)**
- temperature range: **-20°F to 158°F (-29°C to 70°C)**

| Size        | Part #        |
|-------------|---------------|
| 5/8" x 25'  | <b>PWH25</b>  |
| 5/8" x 50'  | <b>PWH50</b>  |
| 5/8" x 100' | <b>PWH100</b> |

## Premium Flexzilla® Garden Hose

### Features:

- temperature range: **-40°F to 150°F (-40°C to 66°C)**
- anodized aircraft aluminum fittings 3/4" - 1 1/2" GHT fittings on both ends of hose
- kink resistant under pressure
- no memory - lays flat, coils easily
- abrasion resistant
- rugged bend restrictors
- lightweight
- lime green cover



| Size        | Hybrid Polymer<br>Part # |
|-------------|--------------------------|
| 5/8" x 50'  | <b>KRH50</b>             |
| 5/8" x 75'  | <b>KRH75</b>             |
| 5/8" x 100' | <b>KRH100</b>            |

## Top Level PVC Hose

### Features:

- heavy-duty 3/4" brass couplings
- kink resistant
- green cover
- working pressure: **100 PSI**
- temperature range: **15°F to 150°F (-9°C to 66°C)**



| Size       | PVC<br>Part # |
|------------|---------------|
| 5/8" x 50' | <b>GGH50</b>  |
| 5/8" x 75' | <b>GGH75</b>  |

## Hot Water Rubber Reinforced Hose

### Features:

- industrial style reinforcing for flexibility, high burst strength
- extra heavy-duty, crush-proof, machined brass couplings
- maximum wear, abrasion-resistant red cover
- lead-free drinking water safe
- 40% lighter than standard rubber hose
- withstands extensive hot water up to **-40°F to 165°F (-40°C to 74°F)**
- working pressure: **400 PSI**



| Size       | Rubber<br>Part # | Optional<br>Qty |
|------------|------------------|-----------------|
| 5/8" x 50' | <b>HWH50</b>     | 4               |
| 3/4" x 50' | <b>HWH50-75</b>  | 4               |

Marine, Camper, Patio & Pool Hose

Features:

- lightweight to handle, easy to store
- USFDA - approved tube materials for food contact use
- nickel plated couplings
- lead-free drinking water safe
- white cover
- working pressure: **300 PSI** at ambient temperature **70°F (21°C)**

| Size       | Part #       | Optional Qty |
|------------|--------------|--------------|
| 5/8" x 50' | <b>MCH50</b> | 5            |



Hose & Tubing

Country Club® RT Hose

Features:

- for golf courses, parks, nurseries
- premium PVC for high strength, flexibility
- lightweight, easy handling
- industrial knit reinforcing for kink resistance
- heavy duty 1" NPSH brass couplings
- green cover
- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- burst pressure: **450 PSI**

| Size     | PVC Part #   | Optional Qty |
|----------|--------------|--------------|
| 1" x 50' | <b>CCH50</b> | 2            |



## PVC Tubing

**Application:**

- for use with standard shank fittings in low pressure liquid and pneumatic applications

**domestic****Features:**

- for non-critical hospital use such as suction and draining
- made from non-toxic ingredients conforming to FDA and 3A standards
- shipped in individually boxed bundles, *sold only in lengths shown below*
- maximum temperature: **175°F (79°C)**



| Size   |        | Working Pressure  | Length | Clear PVC |
|--------|--------|-------------------|--------|-----------|
| OD     | ID     | PSI @ 72°F (22°C) |        | Part #    |
| 5/16"  | 3/16"  | 55                | 100'   | CL0305    |
| 3/8"   | 1/4"   | 55                | 100'   | CL0406    |
| 1/2"   | 1/4"   | 70                | 100'   | CL0408    |
| 7/16"  | 5/16"  | 50                | 100'   | CL0507    |
| 1/2"   | 3/8"   | 40                | 100'   | CL0608    |
| 5/8"   | 3/8"   | 65                | 100'   | CL0610    |
| 5/8"   | 1/2"   | 30                | 100'   | CL0810    |
| 3/4"   | 1/2"   | 45                | 100'   | CL0812    |
| 7/8"   | 5/8"   | 40                | 100'   | CL1014    |
| 1"     | 3/4"   | 35                | 100'   | CL1216    |
| 1-1/4" | 1"     | 28                | 100'   | CL1620    |
| 1-3/4" | 1-1/4" | 45                | 50'    | CL2028-50 |
| 2"     | 1-1/2" | 40                | 50'    | CL2432-50 |

**imported****Features:**

- temperature range: **14°F to 149°F (-10°C to 65°C)**
- shipped in bundles wrapped with PVC film, *sold only in lengths shown below*



| Size   |        | Working Pressure  | Length | Clear PVC |
|--------|--------|-------------------|--------|-----------|
| OD     | ID     | PSI @ 72°F (22°C) |        | Part #    |
| 3/8"   | 1/4"   | 50                | 100'   | ICL0406   |
| 1/2"   | 3/8"   | 35                | 100'   | ICL0608   |
| 5/8"   | 1/2"   | 35                | 100'   | ICL0810   |
| 3/4"   | 1/2"   | 50                | 100'   | ICL0812   |
| 1"     | 3/4"   | 35                | 100'   | ICL1216   |
| 1 1/4" | 1"     | 30                | 100'   | ICL1620   |
| 2"     | 1 1/2" | 15                | 50'    | ICL2432   |



## PVC Braided Tubing

## Application:

- for use with standard shank fittings in low pressure liquid and pneumatic applications

## domestic

## Features:

- high grade tensile strength polyester yarn reinforcement
- temperature range: **27°F to 150°F (-3°C to 66°C)**
- shipped in coils, *sold only in lengths shown below*

| Size  |        | Working Pressure  | Length | Clear PVC     |
|-------|--------|-------------------|--------|---------------|
| OD    | ID     | PSI @ 72°F (22°C) |        | Part #        |
| .394  | 3/16"  | <b>315</b>        | 300'   | <b>BR0306</b> |
| .435  | 1/4"   | <b>315</b>        | 300'   | <b>BR0446</b> |
| .625  | 3/8"   | <b>265</b>        | 300'   | <b>BR0609</b> |
| .728  | 1/2"   | <b>215</b>        | 300'   | <b>BR0812</b> |
| .906  | 5/8"   | <b>200</b>        | 300'   | <b>BR1014</b> |
| 1.024 | 3/4"   | <b>150</b>        | 300'   | <b>BR1218</b> |
| 1.732 | 1-1/4" | <b>110</b>        | 100'   | <b>BR2027</b> |
| 1.950 | 1-1/2" | <b>90</b>         | 100'   | <b>BR2431</b> |



Hose &amp; Tubing

## imported

## Features:

- for various machine tools and the transportation of chemicals
- temperature range: **14°F to 149°F (-10°C to 65°C)**
- shipped in bundles wrapped with PVC film, *sold only in lengths shown below*

| Size    |      | Working Pressure  | Length | Clear PVC      |
|---------|------|-------------------|--------|----------------|
| OD      | ID   | PSI @ 72°F (22°C) |        | Part #         |
| 1/2"    | 1/4" | <b>142</b>        | 300'   | <b>IBR0446</b> |
| 5/8"    | 3/8" | <b>114</b>        | 300'   | <b>IBR0609</b> |
| 3/4"    | 1/2" | <b>100</b>        | 300'   | <b>IBR0812</b> |
| 1-1/16" | 3/4" | <b>71</b>         | 300'   | <b>IBR1218</b> |
| 1-5/16" | 1"   | <b>71</b>         | 200'   | <b>IBR1621</b> |



## D.O.T. Air Brake Tubing Rolls

## Features:

- meets Department of Transportation FMVSS-106 nylon material conforming to SAE J844
- working pressure: **150 PSI**
- temperature range: **-40°F to 200°F (-40°C to 93°C)**
- tubing cutters sold on page 892

| Tube Size | Tubing Color | Length | Nylon Part #          |
|-----------|--------------|--------|-----------------------|
| 3/16"     | black        | 100'   | <b>J844-03-BL-100</b> |
| 1/4"      | black        | 100'   | <b>J844-04-BL-100</b> |
|           | blue         | 100'   | <b>J844-04-B-100</b>  |
|           | red          | 100'   | <b>J844-04-R-100</b>  |
| 3/8"      | black        | 100'   | <b>J844-06-BL-100</b> |
|           | blue         | 100'   | <b>J844-06-B-100</b>  |
|           | red          | 100'   | <b>J844-06-R-100</b>  |
| 1/2"      | black        | 100'   | <b>J844-08-BL-100</b> |
| 5/8"      | black        | 100'   | <b>J844-10-BL-100</b> |
| 3/4"      | black        | 100'   | <b>J844-12-BL-100</b> |







## Polyurethane Tubing

### Features:

- naturally transparent
- temperature range: **-40°F to 165°F (-40°C to 74°C)**
- for use with the push-in fittings sold on pages 342-350
- excellent memory, flexibility and resistance to kinking
- good resistance to fuels and oils
- low gas and vapor permeability
- high compressive strength
- low compressive set and extractability levels
- outstanding abrasion resistance

| Size  |       | Wall      | Working Pressure  | Length | Polyurethane<br>Part # |
|-------|-------|-----------|-------------------|--------|------------------------|
| OD    | ID    | Thickness | PSI @ 75°F (24°C) |        |                        |
| 1/8"  | .062" | .0295"    | <b>255</b>        | 250'   | <b>04063</b>           |
| 5/32" | .094" | .0315"    | <b>210</b>        | 100'   | <b>05094</b>           |
| 1/4"  | .160" | .0450"    | <b>175</b>        | 100'   | <b>08160</b>           |
| 3/8"  | .245" | .0650"    | <b>170</b>        | 100'   | <b>12250</b>           |
| 1/2"  | .320" | .0900"    | <b>175</b>        | 50'    | <b>16320</b>           |

## Polyethylene Tubing

### Features:

- designed for FDA applications, complies with 21CFR 177.1520 (c) food contact
- temperature range: **-50°F to 140°F (-46° to 60°C)**
- for use with the push-in fittings sold on pages 342-350
- flexible, lightweight, low-density polyethylene (LLDPE) tubing
- for use with plastic or metal inserts with outer sleeve; ferrule or clamps
- formulated to resist stress cracking



| Size |       | Wall      | Working Pressure  | Length | Tubing<br>Color | Polyethylene<br>Part # |
|------|-------|-----------|-------------------|--------|-----------------|------------------------|
| OD   | ID    | Thickness | PSI @ 75°F (24°C) |        |                 |                        |
| 1/4" | .125" | .062"     | <b>350</b>        | 100'   | natural         | <b>0804</b>            |
| 1/4" | .170" | .040"     | <b>150</b>        | 100'   | natural         | <b>0817</b>            |
| 1/4" | .170" | .040"     | <b>150</b>        | 100'   | blue            | <b>0817BL100</b>       |
| 3/8" | .250" | .062"     | <b>150</b>        | 100'   | natural         | <b>1208</b>            |
| 1/2" | .375" | .062"     | <b>125</b>        | 100'   | natural         | <b>1612</b>            |

| Size |       | Wall      | Working Pressure  | Length | Tubing<br>Color | Polyethylene<br>Part # |
|------|-------|-----------|-------------------|--------|-----------------|------------------------|
| OD   | ID    | Thickness | PSI @ 75°F (24°C) |        |                 |                        |
| 1/4" | .170" | .040"     | <b>150</b>        | 500'   | blue            | <b>0817BL</b>          |
| 1/4" | .170" | .040"     | <b>150</b>        | 500'   | black           | <b>0817BR</b>          |
| 1/4" | .170" | .040"     | <b>150</b>        | 500'   | natural         | <b>0817CR</b>          |
| 3/8" | .250" | .062"     | <b>150</b>        | 500'   | black           | <b>1208BR</b>          |
| 3/8" | .250" | .062"     | <b>150</b>        | 500'   | natural         | <b>1208CR</b>          |

## Nylon Tubing

### Features:

- naturally transparent
- temperature range: **-40°F to 180°F (-40°C to 82°C)**
- for use with the push-in fittings sold on pages 342-350
- recommended for applications requiring low density, lightweight toughness, flexibility and chemical resistance
- packaged in plastic bags



| Size  |       | Wall      | Working Pressure  | Length | Nylon<br>Part # |
|-------|-------|-----------|-------------------|--------|-----------------|
| OD    | ID    | Thickness | PSI @ 75°F (24°C) |        |                 |
| 1/8"  | .093" | .016"     | <b>270</b>        | 100'   | <b>04093</b>    |
| 5/32" | .106" | .025"     | <b>350</b>        | 100'   | <b>05106</b>    |
| 3/16" | .138" | .025"     | <b>260</b>        | 100'   | <b>06138</b>    |
| 1/4"  | .170" | .040"     | <b>330</b>        | 100'   | <b>08170</b>    |
| 1/4"  | .180" | .035"     | <b>290</b>        | 100'   | <b>08180</b>    |
| 3/8"  | .275" | .050"     | <b>250</b>        | 100'   | <b>12275</b>    |
| 1/2"  | .375" | .062"     | <b>240</b>        | 100'   | <b>16375</b>    |

Tubing cutters sold on page 892

## Legris Nylon Tubing

## Application:

- ideal for many industrial applications

## Features:

- chemical, humidity and abrasive resistant
- semi rigid
- temperature range: **-65°F to 200°F (-54°C to 93°C)**



Hose &amp; Tubing

| Size  |       | Wall      | Working Pressure  | Length | Natural Nylon | Black Nylon | Blue Nylon |
|-------|-------|-----------|-------------------|--------|---------------|-------------|------------|
| OD    | ID    | Thickness | PSI @ 75°F (24°C) |        | Part #        | Part #      | Part #     |
| 1/8"  | .093" | .016"     | 250               | 50'    | 1091P5300     | 1091P5301   | 1091P5304  |
| 5/32" | .106" | .025"     | 300               | 50'    | 1091P0400     | 1091P0401   | 1091P0404  |
| 3/16" | .138" | .025"     | 250               | 50'    | 1091P5500     | 1091P5501   | ---        |
| 1/4"  | .170" | .040"     | 300               | 50'    | 1091P5600     | 1091P5601   | 1091P5604  |
| 5/16" | .233" | .040"     | 250               | 50'    | 1091P0800     | 1091P0801   | 1091P0804  |
| 3/8"  | .275" | .050"     | 250               | 50'    | 1091P6000     | 1091P6001   | 1091P6004  |
| 1/2"  | .375" | .062"     | 250               | 50'    | 1091P6200     | 1091P6201   | 1091P6204  |

| Size  |       | Wall      | Working Pressure  | Length | Natural Nylon | Black Nylon | Blue Nylon |
|-------|-------|-----------|-------------------|--------|---------------|-------------|------------|
| OD    | ID    | Thickness | PSI @ 75°F (24°C) |        | Part #        | Part #      | Part #     |
| 1/8"  | .093" | .016"     | 250               | 100'   | 1094P5300     | 1094P5301   | 1094P5304  |
| 5/32" | .106" | .025"     | 300               | 100'   | 1094P0400     | 1094P0401   | 1094P0404  |
| 3/16" | .138" | .025"     | 250               | 100'   | 1094P5500     | 1094P5501   | ---        |
| 1/4"  | .170" | .040"     | 300               | 100'   | 1094P5600     | 1094P5601   | 1094P5604  |
| 5/16" | .233" | .040"     | 250               | 100'   | 1094P0800     | 1094P0801   | 1094P0804  |
| 3/8"  | .275" | .050"     | 250               | 100'   | 1094P6000     | 1094P6001   | 1094P6004  |
| 1/2"  | .375" | .062"     | 250               | 100'   | 1094P6200     | 1094P6201   | 1094P6204  |

## Polyurethane - 95 Durometer Tubing

## Application:

- good for applications where space is tight; for applications where tubing will be exposed, black tubing is recommended

## Features:

- high flexibility and a small bend radius
- temperature range: **-40°F to 165°F (-40°C to 74°C)**



| Size  |       | Wall      | Working Pressure  | Length | Clear Polyurethane | Black Polyurethane | Blue Polyurethane |
|-------|-------|-----------|-------------------|--------|--------------------|--------------------|-------------------|
| OD    | ID    | Thickness | PSI @ 75°F (24°C) |        | Part #             | Part #             | Part #            |
| 1/8"  | .062" | .031"     | 233               | 50'    | 1091U53R00         | 1091U5301          | 1091U5304         |
| 5/32" | .093" | .031"     | 176               | 50'    | 1091U04R00         | 1091U0401          | 1091U0404         |
| 1/4"  | .160" | .045"     | 148               | 50'    | 1091U56R00         | 1091U5601          | 1091U5604         |
| 5/16" | .216" | .049"     | 148               | 50'    | 1091U08R00         | 1091U0801          | 1091U0804         |
| 3/8"  | .250" | .066"     | 147               | 50'    | 1091U60R00         | 1091U6001          | 1091U6004         |
| 1/2"  | .320" | .090"     | 140               | 50'    | 1091U62R00         | 1091U6201          | 1091U6204         |

| Size  |       | Wall      | Working Pressure  | Length | Clear Polyurethane | Black Polyurethane | Blue Polyurethane |
|-------|-------|-----------|-------------------|--------|--------------------|--------------------|-------------------|
| OD    | ID    | Thickness | PSI @ 75°F (24°C) |        | Part #             | Part #             | Part #            |
| 1/8"  | .062" | .031"     | 233               | 100'   | 1094U53R00         | 1094U5301          | 1094U5304         |
| 5/32" | .093" | .031"     | 176               | 100'   | 1094U04R00         | 1094U0401          | 1094U0404         |
| 1/4"  | .160" | .045"     | 148               | 100'   | 1094U56R00         | 1094U5601          | 1094U5604         |
| 5/16" | .216" | .049"     | 148               | 100'   | 1094U08R00         | 1094U0801          | 1094U0804         |
| 3/8"  | .250" | .066"     | 147               | 100'   | 1094U60R00         | 1094U6001          | 1094U6004         |
| 1/2"  | .320" | .090"     | 140               | 100'   | 1094U62R00         | 1094U6201          | 1094U6204         |

## Fluoropolymer FEP 140 Tubing

## Features:

- FDA compliant materials
- provides excellent resistance to aggressive and corrosive agents and high temperatures
- maximum temperature: **300°F (149°C)**

| Size |       | Wall      | Working Pressure  | Length | Clear Fluoropolymer |
|------|-------|-----------|-------------------|--------|---------------------|
| OD   | ID    | Thickness | PSI @ 72°F (22°C) |        | Part #              |
| 1/8" | .062" | .031"     | 500               | 25'    | 1092T5300           |
| 1/4" | .170" | .031"     | 165               | 25'    | 1092T5600           |
| 3/8" | .300" | .062"     | 249               | 25'    | 1092T6000           |
| 1/2" | .420" | .062"     | 165               | 25'    | 1092T6200           |



Coil-Chief Self-Storing Air Hose

Hose & Tubing



hose - fittings included

- Feature:
- supplied with swivel on one end

| Hose ID | Length | Male NPT | Working Pressure<br>@ 70°F (21°C) | Nylon<br>Part # |
|---------|--------|----------|-----------------------------------|-----------------|
| 1/4"    | 12'    | 1/4"     | 185                               | CC1412          |
|         | 25'    | 1/4"     | 185                               | CC1425          |
|         | 50'    | 1/4"     | 185                               | CC1450          |
| 3/8"    | 25'    | 3/8"     | 165                               | CC3825          |
|         | 50'    | 3/8"     | 165                               | CC3850          |
| 1/2"    | 25'    | 1/2"     | 170                               | CC1225          |
|         | 50'    | 1/2"     | 170                               | CC1250          |

bulk hose - no fittings

- need assembly kits below for ends



| Hose ID | Length | Nylon<br>Part # |
|---------|--------|-----------------|
| 1/4"    | 100'   | CC14100B        |
| 3/8"    | 100'   | CC38100B        |
| 1/2"    | 100'   | CC12100B        |

Assembly Kits

- kit includes: fittings, nut, insert, ferrule and spring guard



RK110 assembly kit

| Size | Fitting Type | Part # |
|------|--------------|--------|
| 1/4" | rigid male   | RK090  |
| 1/4" | swivel male  | RK092  |
| 3/8" | rigid male   | RK110  |
| 3/8" | swivel male  | RK112  |
| 1/2" | rigid male   | RK118  |
| 1/2" | swivel male  | RK119  |

## Polyurethane Self-Storing Air Hose (fittings included)

### Features:

- extremely flexible - resists kinking
- impervious to abrasions, heat and oil
- superior elasticity and coil memory
- both ends swivel

| Hose ID | Length | Male NPT | Working Pressure (PSI) | Polyurethane Part # |
|---------|--------|----------|------------------------|---------------------|
| 1/4"    | 10'    | 1/4"     | 145                    | PU1410              |
|         | 15'    | 1/4"     | 145                    | PU1415              |
|         | 25'    | 1/4"     | 145                    | PU1425              |
| 3/8"    | 15'    | 3/8"     | 135                    | PU3815              |
|         | 20'    | 3/8"     | 135                    | PU3820              |
|         | 25'    | 3/8"     | 135                    | PU3825              |
|         | 50'    | 3/8"     | 135                    | PU3850              |
| 1/2"    | 15'    | 1/2"     | 155                    | PU1215              |



Hose &amp; Tubing

### Repair Kits

| Size | Tubing Size |       | Type        | Brass Part # |
|------|-------------|-------|-------------|--------------|
|      | ID          | OD    |             |              |
| 1/4" | 1/4"        | 3/8"  | swivel male | PSM0404      |
|      | 3/8"        | 9/16" | swivel male | PSM0604      |



## Polyurethane Air Hose (fittings included)

### Features:

- durable and lightweight
- nylon-reinforced braid allows for higher working pressure
- excellent flexibility
- oil resistant
- durometer: Shore A 85
- temperature range: -40°F to 155°F (-40°C to 68°C)
- working pressure: 210 PSI at 70°F (21°C)

| Hose ID | Length | Male NPT | Polyurethane Part # |
|---------|--------|----------|---------------------|
| 1/4"    | 50'    | 1/4"     | 450-4S              |
| 3/8"    | 50'    | 1/4"     | 650-4S              |
|         | 50'    | 3/8"     | 650-6S              |



PVC Tubing and Hose Cutters

Hose & Tubing



- Features:**
- rugged construction cuts up to ¾" tubing or hose
  - corrosion resistant hardened steel blade ensures straight, crisp cuts for optimum fit

Part #

**TC97**  
**TC97RB**



- Features:**
- cuts low pressure fabric reinforced hose up to 1" OD
  - reversible blade

Part #

**HC90**  
**HC90RB** (replacement blade)



- Features:**
- cuts hose and tubing up to 1 7/8" OD
  - tough fiberglass reinforced handle
  - stainless steel blade

Part #

**LHC95**  
**LHC95RB** (replacement blade)

## Nominal

**Application:**

- suitable for conveying chemicals, foods, pharmaceuticals, oils, gas, fuels and steam

**Features:**

- nominal standard smooth bore PTFE hose meets SAE100R14
- size range: dash-3 to dash-20
- temperature range: **-100°F to 450°F (-73°C to 232°C)**
- 304 stainless braided
- extruded or heat shrink coverings are available upon request
- boxed coils (bulk, per ft. lengths and full reels available from Maryland and Texas call Dixon® at 888.226.4673)

- for use with PTFE fittings on the following page

### Nominal Smooth Bore PTFE Hose (fittings not included)



| Nominal Size | Average ID | Length in Feet | Dash Size | Working Pressure | Burst Pressure | White, non-conductive Part # | Black, conductive Part # |
|--------------|------------|----------------|-----------|------------------|----------------|------------------------------|--------------------------|
| 3/16"        | .125"      | 100'           | dash-3    | <b>3000 PSI</b>  | 12000          | ---                          | <b>BSB-03-100</b>        |
| 1/4"         | .187"      | 100'           | dash-4    | <b>3000 PSI</b>  | 12000          | <b>WSB-04-100</b>            | <b>BSB-04-100</b>        |
| 5/16"        | .250"      | 100'           | dash-5    | <b>3000 PSI</b>  | 12000          | <b>WSB-05-100</b>            | <b>BSB-05-100</b>        |
| 3/8"         | .312"      | 100'           | dash-6    | <b>2500 PSI</b>  | 10000          | <b>WSB-06-100</b>            | <b>BSB-06-100</b>        |
| 3/8T"        | .375"      | 100'           | dash-6T   | <b>2250 PSI</b>  | 9000           | <b>WSB-06T-100</b>           | <b>BSB-06T-100</b>       |
| 1/2"         | .405"      | 100'           | dash-8    | <b>2000 PSI</b>  | 8000           | <b>WSB-08-100</b>            | <b>BSB-08-100</b>        |
| 5/8"         | .500"      | 100'           | dash-10   | <b>1750 PSI</b>  | 7000           | <b>WSB-10-100</b>            | <b>BSB-10-100</b>        |
| 3/4"         | .625"      | 100'           | dash-12   | <b>1500 PSI</b>  | 6000           | <b>WSB-12-100</b>            | <b>BSB-12-100</b>        |
| 3/4T"        | .750"      | 50'            | dash-12T  | <b>1100 PSI</b>  | 4400           | <b>WSB-12T-50</b>            | <b>BSB-12T-50</b>        |
| 1"           | .875"      | 50'            | dash-16   | <b>1000 PSI</b>  | 4000           | <b>WSB-16-50</b>             | <b>BSB-16-50</b>         |

### Nominal Smooth Bore PTFE Hose Per Foot Length (fittings not included)

| Nominal Size | Average ID | Dash Size | White, non-conductive Part # | Black, conductive Part #   |
|--------------|------------|-----------|------------------------------|----------------------------|
| 3/16"        | .125"      | dash-3    | <b>WSB-03</b>                | <b>BSB-03</b>              |
| 1/4"         | .187"      | dash-4    | <b>WSB-04</b>                | <b>BSB-04</b>              |
| 5/16"        | .250"      | dash-5    | <b>WSB-05</b>                | <b>BSB-05</b>              |
| 3/8"         | .312"      | dash-6    | <b>WSB-06</b>                | <b>BSB-06</b>              |
| 3/8T"        | .375"      | dash-6T   | <b>WSB-06T</b>               | <b>BSB-06T</b>             |
| 1/2"         | .405"      | dash-8    | <b>WSB-08</b>                | <b>BSB-08</b>              |
| 5/8"         | .500"      | dash-10   | <b>WSB-10</b>                | <b>BSB-10</b>              |
| 3/4"         | .625"      | dash-12   | <b>WSB-12</b>                | <b>BSB-12</b>              |
| 3/4T"        | .750"      | dash-12T  | <b>WSB-12T</b>               | <b>BSB-12T</b>             |
| 1"           | .875"      | dash-16   | <b>WSB-16</b>                | <b>BSB-16</b>              |
| 1T"          | 1.000"     | dash-16T  | <b>WSB-16T</b>               | <b>BSB-16T</b>             |
| 1-1/4"       | 1.125"     | dash-20Z  | <b>WSB-20Z<sup>1</sup></b>   | <b>BSB-20Z<sup>1</sup></b> |

<sup>1</sup> double braided

- per feet lengths are available from Maryland and Texas only, call Dixon® at 888.226.4673



## Nominal Fittings

**Crimp Collars for all nominal fittings are included**

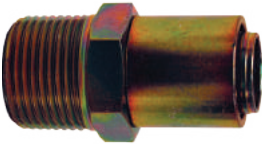
- for use with PTFE hoses on the previous pages

## Female JIC Swivels



| Hose Size | Thread Size | Carbon Steel Part # | 304 Stainless Steel Part # | Brass Part #      |
|-----------|-------------|---------------------|----------------------------|-------------------|
| dash 4    | ¼"          | <b>FJC-04-04</b>    | <b>FJS-04-04</b>           | <b>FJB-04-04</b>  |
| dash 5    | 5/16"       | <b>FJC-05-05</b>    | <b>FJS-05-05</b>           | <b>FJB-05-05</b>  |
| dash 6    | ¾"          | <b>FJC-06-06</b>    | <b>FJS-06-06</b>           | <b>FJB-06-06</b>  |
| dash 8    | ½"          | <b>FJC-08-08</b>    | <b>FJS-08-08</b>           | <b>FJB-08-08</b>  |
| dash 10   | 5/8"        | <b>FJC-10-10</b>    | <b>FJS-10-10</b>           | <b>FJB-10-10</b>  |
| dash 12   | ¾"          | <b>FJC-12-12</b>    | <b>FJS-12-12</b>           | <b>FJB-12-12</b>  |
| dash 16   | 1"          | <b>FJC-16-16</b>    | <b>FJS-16-16</b>           | <b>FJB-16-16</b>  |
| dash 20Z  | 1¼"         | <b>FJC-20Z-20</b>   | <b>FJS-20Z-20</b>          | <b>FJB-20Z-20</b> |

## Rigid Male Pipe Fittings



| Hose Size | Thread Size | Carbon Steel Part # | 304 Stainless Steel Part # | Brass Part #      |
|-----------|-------------|---------------------|----------------------------|-------------------|
| dash 4    | ⅛"          | <b>MPC-04-02</b>    | <b>MPS-04-02</b>           | <b>MPB-04-02</b>  |
| dash 4    | ¼"          | <b>MPC-04-04</b>    | <b>MPS-04-04</b>           | <b>MPB-04-04</b>  |
| dash 5    | ¼"          | <b>MPC-05-04</b>    | <b>MPS-05-04</b>           | <b>MPB-05-04</b>  |
| dash 6    | ¼"          | <b>MPC-06-04</b>    | <b>MPS-06-04</b>           | <b>MPB-06-04</b>  |
| dash 6    | ⅜"          | <b>MPC-06-06</b>    | <b>MPS-06-06</b>           | <b>MPB-06-06</b>  |
| dash 8    | ⅜"          | <b>MPC-08-06</b>    | <b>MPS-08-06</b>           | <b>MPB-08-06</b>  |
| dash 8    | ½"          | <b>MPC-08-08</b>    | <b>MPS-08-08</b>           | <b>MPB-08-08</b>  |
| dash 10   | ½"          | <b>MPC-10-08</b>    | <b>MPS-10-08</b>           | <b>MPB-10-08</b>  |
| dash 12   | ¾"          | <b>MPC-12-12</b>    | <b>MPS-12-12</b>           | <b>MPB-12-12</b>  |
| dash 16   | 1"          | <b>MPC-16-16</b>    | <b>MPS-16-16</b>           | <b>MPB-16-16</b>  |
| dash 20Z  | 1¼"         | <b>MPC-20Z-20</b>   | <b>MPS-20Z-20</b>          | <b>MPB-20Z-20</b> |

## Female SAE Swivels



| Hose Size | Thread Size | Carbon Steel Part # | Brass Part #      |
|-----------|-------------|---------------------|-------------------|
| dash 6    | ⅜"          | <b>SAEC-06-06</b>   | <b>SAEB-06-06</b> |
| dash 12   | ¾"          | <b>SAEC-12-12</b>   | <b>SAEB-12-12</b> |

## Nominal PTFE Hose Insertion Tool and Dies

## Feature:

- takes the hassle out of installing crimp collars onto braided PTFE Hose; with a few simple steps even challenging braid can be easily and safely inserted into the crimp collar



| Size    | Description       | Part #        |
|---------|-------------------|---------------|
| ---     | tool / die holder | <b>ITDH</b>   |
| dash 4  | die               | <b>ITD-04</b> |
| dash 5  | die               | <b>ITD-05</b> |
| dash 6  | die               | <b>ITD-06</b> |
| dash 8  | die               | <b>ITD-08</b> |
| dash 10 | die               | <b>ITD-10</b> |
| dash 12 | die               | <b>ITD-12</b> |
| dash 16 | die               | <b>ITD-16</b> |

## Nominal PTFE Hose Insertion Tool and Dies

**Feature:**

- takes the hassle out of installing crimp collars onto braided PTFE Hose; with a few simple steps even challenging braid can be easily and safely inserted into the crimp collar

| Description       | Size    | Part #        |
|-------------------|---------|---------------|
| tool / die holder | ---     | <b>ITDH</b>   |
| die               | dash 4  | <b>ITD-04</b> |
| die               | dash 5  | <b>ITD-05</b> |
| die               | dash 6  | <b>ITD-06</b> |
| die               | dash 8  | <b>ITD-08</b> |
| die               | dash 10 | <b>ITD-10</b> |
| die               | dash 12 | <b>ITD-12</b> |
| die               | dash 16 | <b>ITD-16</b> |



Hose &amp; Tubing

## Nominal Smooth Bore PTFE Hose Fittings

Crimp Collars for all nominal fittings are included

- for use with PTFE hoses on pages 893 - 896

## Tube End Stubs

| Hose Size | Tube Size | 304 Stainless Steel<br>Part # |
|-----------|-----------|-------------------------------|
| dash 4    | ¼"        | <b>TES-04-04</b>              |
| dash 6    | ⅜"        | <b>TES-06-06</b>              |
| dash 8    | ½"        | <b>TES-08-08</b>              |
| dash 12   | ¾"        | <b>TES-12-12</b>              |
| dash 16   | 1"        | <b>TES-16-16</b>              |



## 45° FJIC Fittings

| Hose Size | Thread Size | 304 Stainless Steel<br>Part # | Carbon Steel<br>Part # |
|-----------|-------------|-------------------------------|------------------------|
| dash 3    | 3/16"       | <b>FJS45-03-03</b>            | <b>FJC45-03-03</b>     |
| dash 4    | ¼"          | <b>FJS45-04-04</b>            | <b>FJC45-04-04</b>     |
| dash 5    | 5/16"       | <b>FJS45-05-05</b>            | <b>FJC45-05-05</b>     |
| dash 6    | ⅜"          | <b>FJS45-06-06</b>            | <b>FJC45-06-06</b>     |
| dash 8    | ½"          | <b>FJS45-08-08</b>            | <b>FJC45-08-08</b>     |
| dash 10   | ⅝"          | <b>FJS45-10-10</b>            | <b>FJC45-10-10</b>     |
| dash 12   | ¾"          | <b>FJS45-12-12</b>            | <b>FJC45-12-12</b>     |
| dash 16   | 1"          | <b>FJS45-16-16</b>            | <b>FJC45-16-16</b>     |
| dash 20Z  | 1¼"         | <b>FJS45-20Z-20</b>           | <b>FJC45-20Z-20</b>    |



## 90° FJIC Fittings

| Hose Size | Thread Size | 304 Stainless Steel<br>Part # | Carbon Steel<br>Part # |
|-----------|-------------|-------------------------------|------------------------|
| dash 3    | 3/16"       | <b>FJS90-03-03</b>            | <b>FJC90-03-03</b>     |
| dash 4    | ¼"          | <b>FJS90-04-04</b>            | <b>FJC90-04-04</b>     |
| dash 5    | 5/16"       | <b>FJS90-05-05</b>            | <b>FJC90-05-05</b>     |
| dash 6    | ⅜"          | <b>FJS90-06-06</b>            | <b>FJC90-06-06</b>     |
| dash 8    | ½"          | <b>FJS90-08-08</b>            | <b>FJC90-08-08</b>     |
| dash 10   | ⅝"          | <b>FJS90-10-10</b>            | <b>FJC90-10-10</b>     |
| dash 12   | ¾"          | <b>FJS90-12-12</b>            | <b>FJC90-12-12</b>     |
| dash 16   | 1"          | <b>FJS90-16-16</b>            | <b>FJC90-16-16</b>     |
| dash 20Z  | 1¼"         | <b>FJS90-20Z-20</b>           | <b>FJC90-20Z-20</b>    |

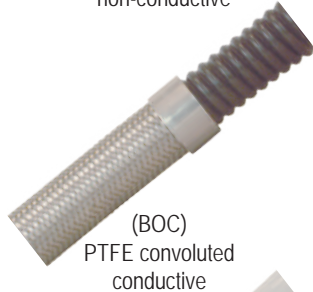


## True ID Hose

## Hose &amp; Tubing



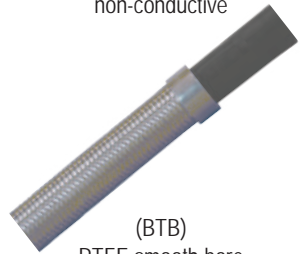
(WOC)  
PTFE convoluted  
non-conductive



(BOC)  
PTFE convoluted  
conductive



(WTB)  
PTFE smooth bore  
non-conductive



(BTB)  
PTFE smooth bore  
conductive

**Application:**

- suitable for conveying acids, chemicals, foods and pharmaceuticals

**Features:**

- size range: ¼" to 2"
- temperature range: **-100°F to 450°F (-73°C to 232°C)**
- boxed coils (bulk, per ft. lengths and full reels available from Maryland and Texas, call Dixon® at 888.226.4673)
- 304 stainless braided
- other braids including synthetic, extruded and heat shrink coverings are available upon request
- for use with PTFE fittings on pages 894 - 895

**True ID Open Pitch Convoluted Hose**

(fittings not included)

| Size | Working Pressure PSI | Burst Pressure PSI | White, non-conductive Part # | Black, conductive Part # |
|------|----------------------|--------------------|------------------------------|--------------------------|
| ¼"   | 1740                 | 6960               | WOC-T04                      | BOC-T04                  |
| ⅜"   | 1850                 | 7400               | WOC-T06                      | BOC-T06                  |
| ½"   | 1500                 | 6000               | WOC-T08                      | BOC-T08                  |
| ¾"   | 1300                 | 5200               | WOC-T12                      | BOC-T12                  |
| 1"   | 1000                 | 4000               | WOC-T16                      | BOC-T16                  |
| 1¼"  | 900                  | 3600               | WOC-T20                      | BOC-T20                  |
| 1½"  | 700                  | 2800               | WOC-T24                      | BOC-T24                  |
| 2"   | 500                  | 2000               | WOC-T32                      | BOC-T32                  |

**Heavy Wall True ID Smooth Bore Hose**

(fittings not included)

| Size | Working Pressure PSI | Burst Pressure PSI | White, non-conductive Part # | Black, conductive Part # |
|------|----------------------|--------------------|------------------------------|--------------------------|
| ¼"   | 3000                 | 12000              | WTB-T04                      | BTB-T04                  |
| ⅜"   | 2250                 | 9000               | WTB-T06                      | BTB-T06                  |
| ½"   | 1500                 | 6000               | WTB-T08                      | BTB-T08                  |
| ¾"   | 1100                 | 4400               | WTB-T12                      | BTB-T12                  |
| 1"   | 900                  | 3600               | WTB-T16                      | BTB-T16                  |
| 1"   | 1650                 | 6600               | WTB-T16Z                     | BTB-T16Z                 |
| 1¼"  | 1000                 | 4000               | WTB-T20Z                     | BTB-T20Z                 |
| 1½"  | 1100                 | 4000               | WTB-T24Z                     | BTB-T24Z                 |

## True ID Fittings

Crimp collars for all True ID fittings are sold separately

**Female JIC Swivels**

| Size | Carbon Steel Part # | 316 Stainless Steel Part # |
|------|---------------------|----------------------------|
| ¼"   | FJC-T04             | FJR-T04                    |
| ⅜"   | FJC-T06             | FJR-T06                    |
| ½"   | FJC-T08             | FJR-T08                    |
| ¾"   | FJC-T12             | FJR-T12                    |
| 1"   | FJC-T16             | FJR-T16                    |
| 1¼"  | FJC-T20             | FJR-T20                    |
| 1½"  | FJC-T24             | FJR-T24                    |
| 2"   | FJC-T32             | FJR-T32                    |

**Rigid Male Pipe Fittings**

| Size | Carbon Steel Part # | 316 Stainless Steel Part # |
|------|---------------------|----------------------------|
| ¼"   | MPC-T04             | MPR-T04                    |
| ⅜"   | MPC-T06             | MPR-T06                    |
| ½"   | MPC-T08             | MPR-T08                    |
| ¾"   | MPC-T12             | MPR-T12                    |
| 1"   | MPC-T16             | MPR-T16                    |
| 1¼"  | MPC-T20             | MPR-T20                    |
| 1½"  | MPC-T24             | MPR-T24                    |
| 2"   | MPC-T32             | MPR-T32                    |

## True ID Fittings

## PTFE Hose Fittings

- for use with PTFE hoses on pages 893 - 896

## Sanitary Tri-Clamps

| Hose Size | Clamp Size | 316 Stainless Steel<br>Part # |
|-----------|------------|-------------------------------|
| 1/2"      | 1"         | <b>TCR-T08-16</b>             |
| 1/2"      | 1 1/2"     | <b>TCR-T08-24</b>             |
| 3/4"      | 1 1/2"     | <b>TCR-T12-24</b>             |
| 1"        | 1"         | <b>TCR-T16-16</b>             |
| 1"        | 1 1/2"     | <b>TCR-T16-24</b>             |
| 1 1/2"    | 1 1/2"     | <b>TCR-T24-24</b>             |
| 2"        | 2"         | <b>TCR-T32-32</b>             |



Hose &amp; Tubing

## Mini Sanitary Tri-Clamps

| Size | 316 Stainless Steel<br>Part # |
|------|-------------------------------|
| 1/2" | <b>TCMR-T08</b>               |
| 3/4" | <b>TCMR-T12</b>               |



- contact Dixon® at 888.226.4673 for GSM and PTFE hose assemblies

## Flange Retainers

## Feature:

- for use with lap joint flanges, see pages 688 - 689

| Size   | 316 Stainless Steel<br>Part # | 316 Stainless Steel PTFE Encapsulated<br>Part # |
|--------|-------------------------------|---|
| 1/2"   | <b>FRR-T08</b>                | ---   |
| 3/4"   | <b>FRR-T12</b>                | <b>FRRE-T12</b>                                 |
| 1"     | <b>FRR-T16</b>                | <b>FRRE-T16</b>                                 |
| 1 1/4" | <b>FRR-T20</b>                | <b>FRRE-T20</b>                                 |
| 1 1/2" | <b>FRR-T24</b>                | <b>FRRE-T24</b>                                 |
| 2"     | <b>FRR-T32</b>                | <b>FRRE-T32</b>                                 |



## Crimp Collars

## Convuluted Crimp Collar

## Features:

- for open pitch convuluted PTFE hose only
- new design for ease of installation and improved appearance of finished crimp

| Size   | Carbon Steel<br>Part # | 304 Stainless Steel<br>Part # |
|--------|------------------------|-------------------------------|
| 1/4"   | <b>CSC-T04-1</b>       | <b>SSC-T04-1</b>              |
| 3/8"   | <b>CSC-T06-1</b>       | <b>SSC-T06-1</b>              |
| 1/2"   | <b>CSC-T08-1</b>       | <b>SSC-T08-1</b>              |
| 3/4"   | <b>CSC-T12-1</b>       | <b>SSC-T12-1</b>              |
| 1"     | <b>CSC-T16-1</b>       | <b>SSC-T16-1</b>              |
| 1 1/4" | <b>CSC-T20-1</b>       | <b>SSC-T20-1</b>              |
| 1 1/2" | <b>CSC-T24-1</b>       | <b>SSC-T24-1</b>              |
| 2"     | <b>CSC-T32-1</b>       | <b>SSC-T32-1</b>              |



## Smooth Bore Crimp Collars

## Features:

- for True ID smooth bore PTFE hose only
- new design for ease of installation and improved appearance of finished crimp

| Size   | Carbon Steel<br>Part # | 304 Stainless Steel<br>Part # |
|--------|------------------------|-------------------------------|
| 1/4"   | <b>CSC-T04-2</b>       | <b>SSC-T04-2</b>              |
| 3/8"   | <b>CSC-T06-2</b>       | <b>SSC-T06-2</b>              |
| 1/2"   | <b>CSC-T08-2</b>       | <b>SSC-T08-2</b>              |
| 3/4"   | <b>CSC-T12-2</b>       | <b>SSC-T12-2</b>              |
| 1"     | <b>CSC-T16-2</b>       | <b>SSC-T16-2</b>              |
| 1 1/4" | <b>CSC-T20-2</b>       | <b>SSC-T20-2</b>              |
| 1 1/2" | <b>CSC-T24-2</b>       | <b>SSC-T24-2</b>              |



Contact Dixon® at 888.226.4673 for assembly instructions and crimp recommendations.

## Spiral Hose and Cable Protection

**Application:**

- used in mining, quarrying, forestry, offshore industries and most hydraulic hose applications

**Features:**

- crush and high abrasion resistance
- chemical and UV ray resistant
- self-lubricating to reduce hose wear
- easy to install on-site
- smooth radius on all edges
- can be used on single or multiple hose bundles
- spiral guard ID is equal to the guard at rest
- sold in coil lengths only

**Flame Retardant Product****Features:**

- approved by MSHA #1C-264/0
- tested to: AS 2600, AS1180.10B, AS 1180.13A
- flame retardant, self extinguishing, anti static
- temperature range: **-148°F to 262°F (-100°C to 128°C)**
- color: black



| Nominal ID | Coil Length | OD Range (inches) | Part #          |
|------------|-------------|-------------------|-----------------|
| 0.45"      | 66'         | .47" to .86"      | <b>FRSGX16</b>  |
| 0.55"      | 66'         | .62" to 1.06"     | <b>FRSGX20</b>  |
| 0.80"      | 66'         | .86" to 1.37"     | <b>FRSGX25</b>  |
| 1.00"      | 66'         | 1.06" to 1.69"    | <b>FRSGX32</b>  |
| 1.26"      | 66'         | 1.30" to 2.17"    | <b>FRSGX40</b>  |
| 1.50"      | 66'         | 1.65" to 2.52"    | <b>FRSGX50</b>  |
| 2.00"      | 66'         | 2.05" to 2.95"    | <b>FRSGX63</b>  |
| 2.40"      | 66'         | 2.56" to 3.80"    | <b>FRSGX75</b>  |
| 2.83"      | 66'         | 3.15" to 4.30"    | <b>FRSGX90</b>  |
| 3.43"      | 33'         | 3.80" to 4.90"    | <b>FRSGX110</b> |

**Standard Product****Features:**

- not flame retardant
- temperature range: **-40°F to 248°F (-40°C to 120°C)**



| Nominal ID | Coil Length | OD Range (inches) | Part #          |
|------------|-------------|-------------------|-----------------|
| 0.45"      | 66'         | .47" to .86"      | <b>NFSGX16</b>  |
| 0.55"      | 66'         | .62" to 1.06"     | <b>NFSGX20</b>  |
| 0.80"      | 66'         | .86" to 1.37"     | <b>NFSGX25</b>  |
| 1.00"      | 66'         | 1.06" to 1.69"    | <b>NFSGX32</b>  |
| 1.26"      | 66'         | 1.30" to 2.17"    | <b>NFSGX40</b>  |
| 1.50"      | 66'         | 1.65" to 2.52"    | <b>NFSGX50</b>  |
| 2.00"      | 66'         | 2.05" to 2.95"    | <b>NFSGX63</b>  |
| 2.40"      | 66'         | 2.56" to 3.80"    | <b>NFSGX75</b>  |
| 2.83"      | 66'         | 3.15" to 4.30"    | <b>NFSGX90</b>  |
| 3.43"      | 33'         | 3.80" to 4.90"    | <b>NFSGX110</b> |
| 4.48"      | 40'         | 4.50" to 5.50"    | <b>NFSGX125</b> |
| 5.07"      | 27'         | 4.80" to 6.00"    | <b>NFSGX140</b> |
| 5.87"      | 20'         | 5.70" to 7.00"    | <b>NFSGX160</b> |

**NEW**



## Fiberglass Sleeve

## Features:

- thermal insulation protection in applications with service temperatures up to **1000°F (538°C)**
- supplied in a continuous length of 100'
- 1/16" wall thickness
- braided from texturized E-glass filament yarns, untreated tubing is flexible and expands to cover changing diameters
- Made in USA

| Nominal ID | Fiberglass Part # |
|------------|-------------------|
| 1/4"       | LW04200           |
| 3/8"       | LW06200           |
| 1/2"       | LW08200           |
| 5/8"       | LW10200           |
| 3/4"       | LW12200           |
| 7/8"       | LW14200           |
| 1"         | LW16200           |
| 1 1/4"     | LW20200           |
| 1 1/2"     | LW24200           |
| 2"         | LW32200           |
| 2 1/2"     | LW40200           |
| 3"         | LW48200           |
| 3 1/2"     | LW56200           |
| 4"         | LW64200           |



Hose &amp; Tubing

## Kevlar® Protective Sleeves

## Features:

- braided cut-resistant 100% genuine Kevlar® fiber sleeve provides excellent flexibility
- provides protection for hydraulic hoses full lines, wires, cables and many other systems
- working temperature: continuous **320°F (160°C)**, short term **570°F (300°C)**
- 3000 denier ballistic grade Kevlar®; nonirritating fiber
- Made in USA

| Sleeve ID      | 100' spool Part # |
|----------------|-------------------|
| 1/2" (13 mm)   | KS08200           |
| 3/4" (19 mm)   | KS12200           |
| 1" (25 mm)     | KS16200           |
| 1 1/4" (32 mm) | KS20200           |
| 1 1/2" (38 mm) | KS24200           |
| 1 3/4" (44 mm) | KS28200           |
| 2" (51 mm)     | KS32200           |
| 2 1/2" (64 mm) | KS40200           |
| 3" (76 mm)     | KS48200           |
| 3 1/2" (89 mm) | KS56200           |
| 4" (102 mm)    | KS64200           |

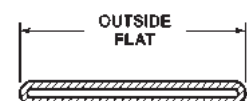
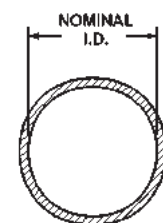


## Nylon Protective Sleeves - MSHA Accepted

## Features:

- woven tubular sleeving, for use as a protective covering on hydraulic and industrial hose
- tight weave of seamless tubular sleeving helps dispense the flow of fluid in a ruptured hose
- MSHA accepted, withstands temperatures up to **275°F (135°C)**, passes flammability tests
- not continuous rolls/has splices

| Nominal ID | Outside Flat | 100' rolls Part # | 300' rolls Part # |
|------------|--------------|-------------------|-------------------|
| 0.90"      | 1.50"        | DHS90-100         | DHS90-300         |
| 1.00"      | 1.66"        | DHS100-100        | DHS100-300        |
| 1.13"      | 1.88"        | DHS106-100        | DHS106-300        |
| 1.25"      | 2.13"        | DHS122-100        | DHS122-300        |
| 1.46"      | 2.25"        | DHS138-100        | DHS138-300        |
| 1.42"      | 2.50"        | DHS142-100        | DHS142-300        |
| 1.58"      | 2.75"        | DHS159-1-100      | DHS159-1-300      |
| 1.78"      | 2.88"        | DHS175-100        | DHS175-300        |
| 1.91"      | 3.00"        | DHS181-100        | DHS181-300        |
| 2.18"      | 3.63"        | DHS219-100        | DHS219-300        |
| 2.38"      | 3.88"        | DHS238-100        | DHS238-300        |
| 2.65"      | 4.25"        | DHS263-100        | DHS263-300        |
| 2.86"      | 4.75"        | DHS288-100        | DHS288-300        |
| 3.65"      | 5.88"        | DHS366-100        | DHS366-300        |





## Spring Guard

## Features:

- protects hose against the effects of flexing at its most vulnerable point - immediately behind the coupling
- optional end tang allows end guard to be secured under a clamp or ferrule
- wire fits most hose OD's from ½" to 3¼", contact Dixon® for custom sizes or lengths

## with tang

| Guard ID | Wire Gauge | Overall Length | Tang Length | Approx. # of Coils/Ft. | Galvanized Steel Part # | 304 Stainless Steel Part # |
|----------|------------|----------------|-------------|------------------------|-------------------------|----------------------------|
| ¾"       | 0.175      | 12"            | 1"          | 33                     | <b>SEGC1-0.75-12</b>    | <b>SEGS1-0.75-12</b>       |
| 1"       | 0.175      | 12"            | 1"          | 33                     | <b>SEGC1-1.00-12</b>    | <b>SEGS1-1.00-12</b>       |
| 1¼"      | 0.175      | 14"            | 2"          | 39                     | <b>SEGC1-1.25-14</b>    | <b>SEGS1-1.25-14</b>       |
| 1½"      | 0.175      | 14"            | 2"          | 39                     | <b>SEGC1-1.50-14</b>    | <b>SEGS1-1.50-14</b>       |
| 1¾"      | 0.175      | 16"            | 2"          | 44                     | <b>SEGC1-1.75-16</b>    | <b>SEGS1-1.75-16</b>       |
| 2"       | 0.280      | 16"            | 2"          | 44                     | <b>SEGC1-2.00-16</b>    | <b>SEGS1-2.00-16</b>       |
| 2½"      | 0.280      | 18"            | 2"          | 50                     | <b>SEGC1-2.50-18</b>    | <b>SEGS1-2.50-18</b>       |
| 3"       | 0.280      | 18"            | 2"          | 50                     | <b>SEGC1-3.00-18</b>    | <b>SEGS1-3.00-18</b>       |

## without tang

| Guard ID | Wire Gauge | Overall Length | Tang Length | Approx. # of Coils/Ft. | Galvanized Steel Part # | 304 Stainless Steel Part # |
|----------|------------|----------------|-------------|------------------------|-------------------------|----------------------------|
| ¾"       | 0.175      | 12"            | 1"          | 33                     | <b>SEGC0-0.75-12</b>    | <b>SEGS0-0.75-12</b>       |
| 1"       | 0.175      | 12"            | 1"          | 33                     | <b>SEGC0-1.00-12</b>    | <b>SEGS0-1.00-12</b>       |
| 1¼"      | 0.175      | 14"            | 2"          | 39                     | <b>SEGC0-1.25-14</b>    | <b>SEGS0-1.25-14</b>       |
| 1½"      | 0.175      | 14"            | 2"          | 39                     | <b>SEGC0-1.50-14</b>    | <b>SEGS0-1.50-14</b>       |
| 1¾"      | 0.175      | 16"            | 2"          | 44                     | <b>SEGC0-1.75-16</b>    | <b>SEGS0-1.75-16</b>       |
| 2"       | 0.280      | 16"            | 2"          | 44                     | <b>SEGC0-2.00-16</b>    | <b>SEGS0-2.00-16</b>       |
| 2½"      | 0.280      | 18"            | 2"          | 50                     | <b>SEGC0-2.50-18</b>    | <b>SEGS0-2.50-18</b>       |
| 3"       | 0.280      | 18"            | 2"          | 50                     | <b>SEGC0-3.00-18</b>    | <b>SEGS0-3.00-18</b>       |

Hose &amp; Tubing

## Continuous Spring Guard

## Features:

- protects hose from external abrasion and helps resist over flexing
- fits tight to hose reducing the potential for snagging
- contact Dixon® at 888.226.4673 for custom lengths or sizes

| Guard ID | Wire Gauge | Overall Length | Approx. # of Coils/Ft. | Galvanized Steel Part # | 304 Stainless Steel Part # |
|----------|------------|----------------|------------------------|-------------------------|----------------------------|
| ¾"       | 0.175"     | 25'            | 33'                    | <b>CWG-C-0.75-25</b>    | <b>CWG-S-0.75-25</b>       |
| 1"       | 0.175"     | 25'            | 33'                    | <b>CWG-C-1.00-25</b>    | <b>CWG-S-1.00-25</b>       |
| 1¼"      | 0.175"     | 25'            | 33'                    | <b>CWG-C-1.25-25</b>    | <b>CWG-S-1.25-25</b>       |
| 1½"      | 0.175"     | 25'            | 33'                    | <b>CWG-C-1.50-25</b>    | <b>CWG-S-1.50-25</b>       |
| 1¾"      | 0.175"     | 25'            | 33'                    | <b>CWG-C-1.75-25</b>    | <b>CWG-S-1.75-25</b>       |
| 2"       | 0.280"     | 25'            | 33'                    | <b>CWG-C-2.00-25</b>    | <b>CWG-S-2.00-25</b>       |
| 2½"      | 0.280"     | 25'            | 33'                    | <b>CWG-C-2.50-25</b>    | <b>CWG-S-2.50-25</b>       |
| 3"       | 0.280"     | 25'            | 33'                    | <b>CWG-C-3.00-25</b>    | <b>CWG-S-3.00-25</b>       |

**NEW**

## GSM Ball-Joint Armored Hose Assemblies

## Application:

- includes but not limited to: water cooling hose, oxygen supply hose, hydraulic hose, natural gas hose, black liquor hose, steam hose

## Sizes:

- ¼" through 16" bore
- lengths to 120'

## Materials:

- armor: galvanized steel or stainless steel
- wide selection of inner hoses specific to the demands of the application are industrial, hydraulic, stainless steel or PTFE

## Features:

- extremely flexible armor protects from heat, slag splash and harsh environments
- heat resistant insulation to 1000°F
- temperature rating depends on specific applications, consult Dixon®
- a variety of end connections are available, contact Dixon® at 888.226.4673



## Thread Tape & Sealant..... 902 to 903

|                                     |     |
|-------------------------------------|-----|
| PTFE tape .....                     | 902 |
| American made (purple) .....        | 902 |
| Industrial (white).....             | 902 |
| Stainless steel (gray) .....        | 902 |
| Industrial heavy duty (pink).....   | 902 |
| For LP gas (yellow) .....           | 902 |
| Thread sealant paste.....           | 903 |
| Joint sealant gasket material ..... | 903 |
| Leak detector.....                  | 903 |

## Coupling Inserters ..... 904

|  |     |
|--|-----|
| Coupling inserter for large hose ..... | 904 |
| Coupling inserter for 5 ton ram .....  | 904 |

## Testing Equipment..... 905 to 907

|  |     |
|--|-----|
| Hand hydrotest pump .....              | 905 |
| Hydrostatic test pumps .....           | 905 |
| Hydrostatic test pump accessories..... | 906 |
| Sprinkler system gauges (UM-393) ..... | 907 |
| Line test gauges .....                 | 907 |
| Three way gauge valve .....            | 907 |
| PITOT gauge .....                      | 907 |
| Sprinkler line tester.....             | 907 |

## Accessories ..... 908 to 911

|                                 |     |
|---------------------------------|-----|
| Dixon® coupling lubricant ..... | 908 |
| WD-40 smart straw .....         | 908 |
| Spill kits .....                | 908 |
| Dixon® soft hose mallet .....   | 909 |
| Dixon® hose knife .....         | 909 |
| Diameter tape .....             | 909 |
| Screw pitch gauge .....         | 909 |
| Bottle opener .....             | 910 |
| Safety tag .....                | 910 |
| Safety tape .....               | 910 |
| Stretch straps .....            | 911 |
| Pick head fire axe .....        | 911 |

## Grease Whip Fittings ..... 912 to 913

|                                  |     |
|----------------------------------|-----|
| Grease whip hose assemblies..... | 912 |
| Grease whip hose fittings .....  | 912 |
| Grease whip fittings - Zerk..... | 913 |

## Oxy-Acetylene Fittings ..... 914

|                                     |     |
|-------------------------------------|-----|
| Oxy-acetylene hose couplings.....   | 914 |
| Oxy-acetylene connecting spuds..... | 914 |
| Oxy-acetylene adapters.....         | 914 |
| Oxy-acetylene ferrules.....         | 914 |

## American Made PTFE Tape (Purple)

## Features:

- thickness: 3.5 mil (0.0035 mm)
- temperature range: **-450°F to 500°F (-268°C to 260°C)**
- superior quality
- not for use in oxygen applications



| Size | Length | Part #              |
|------|--------|---------------------|
| 1/2" | 520"   | <b>TTPM50-520</b>   |
|      | 700"   | <b>TTPM50-700</b>   |
|      | 1429"  | <b>TTPM50-1429</b>  |
| 3/4" | 520"   | <b>TTPM75-520</b>   |
|      | 700"   | <b>TTPM75-700</b>   |
|      | 1429"  | <b>TTPM75-1429</b>  |
| 1"   | 520"   | <b>TTPM100-520</b>  |
|      | 700"   | <b>TTPM100-700</b>  |
|      | 1429"  | <b>TTPM100-1429</b> |

## Industrial PTFE Tape (White)

## Features:

- thickness: 3.5 mil (0.0035 mm)
- temperature range: **-212°F to 500°F (-136°C to 260°C)**



| Size | Length | Part #        | Optional Qty |
|------|--------|---------------|--------------|
| 1/2" | 260"   | <b>TTA50</b>  | 550          |
|      | 520"   | <b>TTB50</b>  | 500          |
|      | 1296"  | <b>TTC50</b>  | 250          |
| 3/4" | 260"   | <b>TTA75</b>  | 350          |
|      | 520"   | <b>TTB75</b>  | 350          |
| 1"   | 520"   | <b>TTB100</b> | 250          |

## Stainless Steel PTFE Tape (Gray)

## Features:

- thickness: 4 mil
- temperature range: **-450°F to 550°F (-268°C to 288°C)**
- useful on stainless steel threaded joints or connections
- PTFE with nickel added, nickel acts like a ball bearing
- made in the US



| Size | Length | Part #         | Optional Qty |
|------|--------|----------------|--------------|
| 1/2" | 260"   | <b>TTA50SS</b> | 10           |

## Industrial Heavy Duty PTFE Tape (Pink)

## Features:

- thickness: 4 mil
- temperature range: **-400°F to 500°F (-240°C to 260°C)**



| Size | Length | Part #        | Optional Qty |
|------|--------|---------------|--------------|
| 1/2" | 540"   | <b>TTBP50</b> | 500          |

## PTFE Tape for LP Gas (Yellow)

## Features:

- thickness: 4 mil
- maximum temperature: **500°F (260°C)**
- Underwriters Listed



| Size | Length | Part #         | Optional Qty |
|------|--------|----------------|--------------|
| 1/2" | 260"   | <b>TTA50LP</b> | 500          |

## Thread Sealant Paste

## Features:

- temperature range: **-300°F to 500°F (-184°C to 260°C)**
- do not use with oxygen

| Size    | Part #        | Optional Qty |
|---------|---------------|--------------|
| ¼ pint  | <b>LCTS14</b> | 24           |
| ½ pint  | <b>LCTS1</b>  | 24           |
| 1 pint  | <b>LCTS2</b>  | 12           |
| 1 quart | <b>LCTS3</b>  | 12           |



## Joint Sealant Gasket Material

## Features:

- GORE-TEX® interchangeable
- Form-In-Place expanded PTFE gasket material with adhesive backing
- manufactured from 100% virgin PTFE
- unaffected by all common chemicals (pH from 0-14)
- unlimited shelf life
- resilient with low cold flow
- requires less force than standard gasket materials
- pressure range: **vacuum to 3000 PSI**
- temperature range: **-450°F to 600°F (-268°C to 316°C)**
- made in the USA
- FDA compliant #21CFR177.1550
- larger spools are available, consult Dixon® for price and availability

| Size | Length | Part #           |
|------|--------|------------------|
| ¼"   | 20'    | <b>LCJS4-20</b>  |
| ¼"   | 50'    | <b>LCJS4-50</b>  |
| ⅜"   | 25'    | <b>LCJS6-25</b>  |
| ½"   | 15'    | <b>LCJS8-15</b>  |
| ¾"   | 15'    | <b>LCJS12-15</b> |



## Leak Detector

## Features:

- detects leaks by forming bubbles which remain for up to ten minutes
- will not cause corrosion or deterioration
- color: fluorescent yellow
- non-toxic, non-freezing
- temperature range: **-7°F to 180°F (-20°C to 82°C)**
- meets Federal specification MIL-L-25567-C

| Size  | Part #      | Case Qty |
|-------|-------------|----------|
| 8 oz. | <b>LCLD</b> | 24       |



## Coupling Inserter for Large Hose

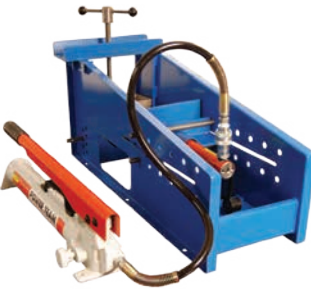
### Features:

- inserts 4", 5", 6", 8", 10" and 12" couplings
- includes CI96AH pump (shown below)
- portable
- coupling inserter pusher plates (not shown) must be purchased separately



| Part #     |                    |
|------------|--------------------|
| <i>CI9</i> |                    |
| Hose ID    | Part #             |
| 4" - 5"    | <b>45CI9PUSH</b>   |
| 6" - 8"    | <b>68CI9PUSH</b>   |
| 10" - 12"  | <b>1012CI9PUSH</b> |

## Coupling Inserters



CI96

### Application:

- for insertion of hose shanks into hose with a 2¾" to 7¼" OD

| Description  | Part #           |
|--|------------------|
| inserter with <b>10,000 PSI</b> hand pump and 5 ton ram          | <b>CI96</b>      |
| inserter with <b>10,000 PSI</b> air/hydraulic pump and 5 ton ram | <b>CI96AH</b>    |
| small jaws for 1" to 3" OD hose                                  | <b>CI9311SML</b> |



CI96AH

## Hand Hydrotest Pump

**Application:**

- designed for use in testing pipe lines, pressure tanks and pressure vessels

**Features:**

- uses check valves which are more efficient and longer lasting than poppet systems
- cylinder displacement: 1.37 cu. in.
- **0 -1000 PSI** pressure gauge, 10' high pressure hose and quick disconnect coupler included
- piston:  $\frac{7}{8}$ " with 2" stroke
- stainless steel piston
- working pressure: **1000 PSI at 70°F (21°C)**

| NPT Inlet       | NPT Outlet      | Aluminum<br>Part # |
|-----------------|-----------------|--------------------|
| $\frac{1}{2}$ " | $\frac{1}{2}$ " | <b>HHTP</b>        |

Maintenance  
& Repair

## Hydrostatic Test Pumps

## Electric Test Pump

**Features:**

- 110 volt Portable Hydrostatic Electric Pump - Model (ETP)
- 3000 PSI maximum test pressure
- 1.3 GPM fill rate (at 60 PSI inlet water pressure)
- Quick connect garden hose coupler for water supply line available
- $\frac{1}{2}$ " x 25' intermediate hose with brass Straight-Thru Quick Coupler x NPSM swivel connection
- $\frac{1}{2}$ " brass Straight-Thru plug on pressure outlet
- 0 – 3000 PSI back mount liquid filled pressure gauge

| Part #     |
|------------|
| <b>ETP</b> |



## Pneumatic Test Pump

**Features:**

- 5.5 GPM fill rate
- test pressure: **0 to 1500 PSI**
- stainless interior
- air gauge for quick, easy adjustment of maximum test pressure
- high pressure test gauge
- filter/regulator for clean, dry air to ensure long life of unit
- on - off valve for air input
- 15' of hose included
- easy to use: portable hand cart mount or stationary wall mount available
- use of coalescing filter and water filter recommended for prolonged pump life

| Hand Cart Mount<br>Part # | Wall Mount<br>Part # |
|---------------------------|----------------------|
| <b>PTP</b>                | <b>PTP-WM</b>        |





## Hydrostatic Test Pump Accessories

## Features:

- cost effective, pre-assembled caps or plugs allow quick set up for testing hoses
- caps and plugs equipped with ½" brass straight-through plug for quick attachment to the intermediate hose on the test pump (Pneumatic Test Pump) and bleed-off valve



## Cam &amp; Groove Test Caps for Male Adapters

| Size | Iron / Steel<br>Part # |
|------|------------------------|
| 1"   | <b>ID100TC</b>         |
| 1½"  | <b>ID150TC</b>         |
| 2"   | <b>ID200TC</b>         |
| 3"   | <b>ID300TC</b>         |
| 4"   | <b>ID400TC</b>         |



## Cam &amp; Groove Test Plugs for Female Couplers

| Size | Iron / Steel<br>Part # |
|------|------------------------|
| 1"   | <b>IA100TP</b>         |
| 1½"  | <b>IA150TP</b>         |
| 2"   | <b>IA200TP</b>         |
| 3"   | <b>IA300TP</b>         |
| 4"   | <b>IA400TP</b>         |



## Female NPT Test Caps

| Size | Iron / Steel<br>Part # |
|------|------------------------|
| 1"   | <b>NPT100TC</b>        |
| 1½"  | <b>NPT150TC</b>        |
| 2"   | <b>NPT200TC</b>        |
| 3"   | <b>NPT300TC</b>        |
| 4"   | <b>NPT400TC</b>        |



## Male NPT Test Plugs

| Size | Iron / Steel<br>Part # |
|------|------------------------|
| 1"   | <b>100TP</b>           |
| 1½"  | <b>150TP</b>           |
| 2"   | <b>200TP</b>           |
| 3"   | <b>300TP</b>           |
| 4"   | <b>400TP</b>           |



## Bleed-off Valve

| Part #          |
|-----------------|
| <b>IBV50BOV</b> |



M16-03A

## FRL Attachment Accessories

| Description  | Part #            |
|--|-------------------|
| ⅜" Wilkerson modular coalescing filter (automatic drain) | <b>M16-03A</b>    |
| ⅜" Wilkerson modular coalescing filter (manual drain)    | <b>M16-03M</b>    |
| modular sleeve needed to connect M16-03A or M16-03M      | <b>GPA-95-292</b> |

## Sprinkler System Gauge (UL-393)



## Features:

- specifically designed for the fire sprinkler industry
- Bourdon tube pressure gauges with black polycarbonate case
- snap-in clear polycarbonate window, 4" face
- white aluminum dial with stop pin, black and red markings
- black aluminum non-adjustable pointer
- 1/4" NPT lower mount
- ASME B40.1 Grade B (+ 3/2/3% accuracy)
- U/L Listed (U/L-393) and Factory Mutual Approved for fire sprinkler service
- temperature range: -40°F to 140°F (-40°C to 60°C)

Maintenance  
& Repair

| Type              | Part #          |
|-------------------|-----------------|
| water (0-300 PSI) | <b>SWG300-4</b> |

## Line Test Gauges

## Features:

- rocker lug swivel
- used for testing static or flowing pressures in hoses or nozzles
- supplied with **0-300 PSI** glycerine filled 3 1/2" diameter gauge
- freeze proof to -40°F (-40°C)
- other sizes and threads are also available, contact Dixon®



| NST (NH) Thread | Hardcoated Aluminum<br>Part # |
|-----------------|-------------------------------|
| 1 1/2"          | <b>ALTG150F</b>               |
| 2 1/2"          | <b>ALTG250F</b>               |

## Three Way Gauge Valve

## Features:

- permits checking or replacing a gauge without shutting down the whole line
- disc: rubber



| NPT Thread | Working<br>Pressure (PSI) | Brass<br>Part # |
|------------|---------------------------|-----------------|
| 1/4"       | <b>175</b>                | <b>TWGV25</b>   |

## PITOT Gauge

## Features:

- liquid filled gauge 0-160 PSI is standard, other pressures available, contact Dixon®
- supplied with handle grip, case and fire stream/friction loss data



| Part #        |
|---------------|
| <b>PG8083</b> |

## Sprinkler Line Tester



## Feature:

- installs on the last sprinkler head on system branch lines and controls water flow for flushing or testing the system



| Inlet         | Outlet       | Brass<br>Part # |
|---------------|--------------|-----------------|
| 1" female NPT | 1" male NPSH | <b>SLT10050</b> |

## Dixon® Coupling Lubricant

**Application:**

- for use in assembly operations involving natural or synthetic rubber or plastic, also an excellent lubricant when rubber or plastic needs to be cut, machined, pressed, turned, trimmed or ground

**Features:**

- biodegradable lubricant for coupling shanks, O-rings, hoses, sleeves, rubber washers and grommets
- once coupling lubricant dries, slipping action goes away



| Size     | Part #       |
|----------|--------------|
| 1 liter  | <b>DCL20</b> |
| 4 liters | <b>DCL80</b> |

## WD-40 Smart Straw

**Features:**

- permanently attached straw
- flip up for a precision spray; flip down for regular spray action
- sold in case quantities only
- should not be used as a lubricant for coupling shanks



| Size   | Part #      | Case Qty |
|--------|-------------|----------|
| 11 oz. | <b>WD40</b> | 12       |

## Spill Kits



oil spill kit



universal spill kit

**Features:**

- easily stored behind a seat or in a storage compartment allowing drivers to act quickly when responding to a spill
- poly-zip bag and bucket kits feature:
  - 10 pads (15" x 19")
  - 3 socks (3" x 4')
  - 2 disposal bags with ties
  - 1 pair nitrile gloves

| Description                              | Part #        |
|--|---------------|
| oil only, in 6½ gallon pail              | <b>DSK5-O</b> |
| universal, in 6½ gallon pail             | <b>DSK5-U</b> |
| oil only, in clear poly bag with zipper  | <b>DSKB-O</b> |
| universal, in clear poly bag with zipper | <b>DSKB-U</b> |

## Dixon® Soft Hose Mallet

**Features:**

- soft mallet for pounding metal objects without damaging them
- head material is firmly attached to strong shaft-handle and will not crack
- length: 23"
- weight: 10 lbs.

Part #

**DCM1**Maintenance  
& Repair

## Dixon® Hose Knife

**Features:**

- for fast cutting of rubber hose and belting
- guard protects hand while cutting

Part #

**DRK15**

## Diameter Tape

**Features:**

- 6' tape for quickly finding the outside diameter of any cylindrical object
- converts circumference to OD at the measured point
- ABS case

Part #

**DDT1**

## Screw Pitch Gauge

**Features:**

- used to determine threads per inch
- 30 leaves

Stainless Steel

Part #

**TPG**

## Bottle Opener



Brass  
Part #

**CAMOPENER**

## Safety Tag

**Features:**

- Dixon® strongly recommends the use of a safety tag or warning label on all hose assemblies.
- sold in quantities of 100 only



| Length | Width                           | Part #        |
|--------|---------------------------------|---------------|
| 5"     | 2 <sup>3</sup> / <sub>8</sub> " | <b>DWL100</b> |

**WARNING!!**

- worn-out hose fittings should be replaced
- loose clamps on hose can be dangerous
- bolt type clamps should be retensioned regularly
- for extra safety, retaining devices such as clips, chains or cables must be used

## Safety Tape

**Features:**

- Dixon® strongly recommends the use of a safety tag or warning label on all hose assemblies.
- length of tape - 55 yards, approximately 255 warnings



| Length                          | Part #      |
|---------------------------------|-------------|
| 1 <sup>1</sup> / <sub>2</sub> " | <b>DSTW</b> |

**WARNING!!**

- worn-out hose fittings should be replaced
- loose clamps on hose can be dangerous
- bolt type clamps should be retensioned regularly
- for extra safety, retaining devices such as clips, chains or cables must be used

## Stretch Straps

**Features:**

- durable tie down straps
- made of EPDM
- length does not include S-hooks
- S-hooks are steel

| Length | Part #       |
|--------|--------------|
| 10"    | <b>SSE10</b> |
| 15"    | <b>SSE15</b> |
| 21"    | <b>SSE21</b> |
| 31"    | <b>SSE31</b> |
| 41"    | <b>SSE41</b> |

**WARNING!!**

Failure to comply with this warning may result in serious damage and/or personal injury.  
Maximum end to end safe stretch = 150% of length

- do not exceed maximum safe stretch
- inspect before each use, do not use if strap is cut, cracked or abraded
- inspect hooks for damage and/or wear. Replace if needed.
- protect strap from sharp edges or heat.
- wear eye protection during use
- do not use this product as the primary tie down
- refer to federal or state regulations for proper tie down methods

Maintenance  
& Repair

## Pick Head Fire Axe

**Features:**

- red trim
- 36" hickory handle
- listed in the minimum requirements approval guides for outfitting hose houses and hose cabinets by insurance underwriters

| Description               | Part #                          |
|---------------------------|---------------------------------|
| 6 lb. axe<br>axe brackets | <b>PHFA6</b><br><b>PHFA-B-A</b> |





## Grease Whip Hose Assemblies

## Features:

- for use with hand grease guns only
- one piece crimp couplings
- 1/8"-27 male NPT thread, solid base
- US manufactured 3/16" ID hose - exceeds SAE 100R1-AT
- add "S" to order strain relief spring option
- working pressure: **3000 PSI**



| Assembly Length | Brass           |                             |
|-----------------|-----------------|-----------------------------|
|                 | Previous Part # | Part #                      |
| 8"              | GWH-0800        | <b>GWH0800</b>              |
| 12"             | GWH-1200        | <b>GWH1200</b>              |
|                 | ---             | <b>GWH1200R<sup>1</sup></b> |
| 18"             | GWH-1800        | <b>GWH1800</b>              |
|                 | ---             | <b>GWH1800R<sup>1</sup></b> |
| 24"             | GWH-2400        | <b>GWH2400</b>              |
| 36"             | GWH-3600        | <b>GWH3600</b>              |
| 48"             | GWH-4800        | <b>GWH4800</b>              |
| 60"             | GWH-6000        | <b>GWH6000</b>              |

<sup>1</sup> retail packaging

## Grease Whip Hose Fittings

## Features:

- **001-0055**, **001-0260** and **001-0860** are designed to be crimped to 3/16" ID hose
- **GWH-C** and **GWHC-FF** mate with Zerk fittings on the coupler side

## Grease Hose Couplers



| Description   | Zinc Plated Steel |                | Optional Qty |
|---|-------------------|----------------|--------------|
|   | Previous Part #   | Part           |              |
| 1/8"-27 female NPT thread, grease hose coupler with ball check - valved shutoff | GWH-C             | <b>GWHC</b>    | 25           |
| 1/8"-27 female NPT thread, full flow grease hose coupler                        | ---               | <b>GWHC-FF</b> | 25           |

Add 'R' suffix to part number for retail pack option

## Male NPT Thread - Chamfered Base



| Description   | Brass           |                 | Optional Qty |
|---|-----------------|-----------------|--------------|
|   | Previous Part # | Part #          |              |
| 1/8"-27 male NPT thread, drilled and chamfered base | 001-0055        | <b>0010055C</b> | 100          |

## Male NPT thread - Solid Base



| Description                         | Brass           |                 | Optional Qty |
|-------------------------------------|-----------------|-----------------|--------------|
|                                     | Previous Part # | Part #          |              |
| 1/8"-27 male NPT thread, solid base | 001-0260        | <b>0010260C</b> | 100          |

## Female NPT Thread



| Description               | Brass           |                 | Optional Qty |
|---------------------------|-----------------|-----------------|--------------|
|                           | Previous Part # | Part #          |              |
| 1/8"-27 female NPT thread | 001-0860        | <b>0010860C</b> | 100          |

## Grease Whip Fittings - Zerk

## Straight

| Thread                 | Description | Overall Length | Thread Length | Hex  | Zinc Plated Steel Part # | Pkg Qty |
|------------------------|-------------|----------------|---------------|------|--------------------------|---------|
| 1/8"-27 NPT            | straight    | .660"          | .260"         | .430 | <b>GWHZ000</b>           | 100     |
| 1/4"-28 tapered SAE-LT | straight    | .530"          | .200"         | .312 | <b>GWHZ400</b>           | 100     |

Maintenance  
& Repair

## 45°

| Thread                 | Description | Overall Length | Thread Length | Hex  | Zinc Plated Steel Part # | Pkg Qty |
|------------------------|-------------|----------------|---------------|------|--------------------------|---------|
| 1/8"-27 NPT            | 45°         | .860"          | .280"         | .430 | <b>GWHZ045</b>           | 100     |
| 1/4"-28 tapered SAE-LT | 45°         | .800"          | .200"         | .375 | <b>GWHZ445</b>           | 100     |



## 90°

| Thread                 | Description | Overall Length | Thread Length | Hex  | Zinc Plated Steel Part # | Pkg Qty |
|------------------------|-------------|----------------|---------------|------|--------------------------|---------|
| 1/8"-27 NPT            | 90°         | .830"          | .310"         | .430 | <b>GWHZ090</b>           | 100     |
| 1/4"-28 tapered SAE-LT | 90°         | 1.20"          | .200"         | .375 | <b>GWHZ490</b>           | 100     |



## Grease Whip Fittings - Zerk Retail Packaged

All items sold in retail packets of 10: Order 1 for 1 retail pack of 10 pieces.

## Straight

| Thread                 | Description | Overall Length | Thread Length | Hex  | Zinc Plated Steel Part # |
|------------------------|-------------|----------------|---------------|------|--------------------------|
| 1/8"-27 NPT            | straight    | .660"          | .260"         | .430 | <b>GWHZ000R</b>          |
| 1/4"-28 tapered SAE-LT | straight    | .530"          | .200"         | .312 | <b>GWHZ400R</b>          |



## 45°

| Thread                 | Description | Overall Length | Thread Length | Hex  | Zinc Plated Steel Part # |
|------------------------|-------------|----------------|---------------|------|--------------------------|
| 1/8"-27 NPT            | 45°         | .860"          | .280"         | .430 | <b>GWHZ045R</b>          |
| 1/4"-28 tapered SAE-LT | 45°         | .800"          | .200"         | .375 | <b>GWHZ445R</b>          |



## 90°

| Thread                 | Description | Overall Length | Thread Length | Hex  | Zinc Plated Steel Part # |
|------------------------|-------------|----------------|---------------|------|--------------------------|
| 1/8"-27 NPT            | 90°         | .830"          | .310"         | .430 | <b>GWHZ090R</b>          |
| 1/4"-28 tapered SAE-LT | 90°         | 1.20"          | .200"         | .375 | <b>GWHZ490R</b>          |



## Oxy-Acetylene Hose Couplings

## Acetylene Couplings

*left-hand thread for acetylene line x hose shank*

| Hose Size | Left UNF Thread | Hex    | Previous Part # | Brass  |                 |
|-----------|-----------------|--------|-----------------|--------|-----------------|
|           |                 |        |                 | Part # |                 |
| 3/16"     | 3/8"-24         | 7/16"  | OA69            |        | <b>1540306K</b> |
|           | 9/16"-18        | 11/16" | OA70            |        | <b>1540309K</b> |
| 1/4"      | 9/16"-18        | 11/16" | OA71            |        | <b>1540409K</b> |
| 5/16"     | 9/16"-18        | 11/16" | OA72            |        | <b>1540509K</b> |
| 3/8"      | 9/16"-18        | 11/16" | OA73            |        | <b>1540609K</b> |

## Oxygen Couplings

*right-hand thread for oxygen line x hose shank*

| Hose Size | Right UNF Thread | Hex    | Previous Part # | Brass  |                 |
|-----------|------------------|--------|-----------------|--------|-----------------|
|           |                  |        |                 | Part # |                 |
| 3/16"     | 3/8"-24          | 7/16"  | OA59            |        | <b>1520306K</b> |
|           | 9/16"-18         | 11/16" | OA60            |        | <b>1520309K</b> |
| 1/4"      | 9/16"-18         | 11/16" | OA61            |        | <b>1520409K</b> |
| 5/16"     | 9/16"-18         | 11/16" | OA62            |        | <b>1520509K</b> |
| 3/8"      | 9/16"-18         | 11/16" | OA63            |        | <b>1520609K</b> |

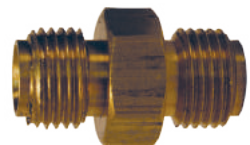
## Oxy-Acetylene Connecting Spuds

## Left-hand Thread x Left-hand Thread



| Left UNF Thread | Hex    | Previous Part # | Brass  |                 |
|-----------------|--------|-----------------|--------|-----------------|
|                 |        |                 | Part # |                 |
| 9/16"-18        | 11/16" | OA52            |        | <b>1580909C</b> |

## Right-hand Thread x Right-hand Thread



| Right UNF Thread | Hex    | Previous Part # | Brass  |                 |
|------------------|--------|-----------------|--------|-----------------|
|                  |        |                 | Part # |                 |
| 9/16"-18         | 11/16" | OA50            |        | <b>1560909C</b> |

## Oxy-Acetylene Adapters

## Left-hand Thread x NPTF



| Left UNF Thread | NPTF Thread | Hex    | Previous Part # | Brass  |                 |
|-----------------|-------------|--------|-----------------|--------|-----------------|
|                 |             |        |                 | Part # |                 |
| 9/16"-18        | 1/4"        | 5/8"   | 158-0904        |        | <b>1580904C</b> |
|                 | 3/8"        | 11/16" | 158-0906        |        | <b>1580906C</b> |

## Right-hand Thread x NPTF



| Right UNF Thread | NPTF Thread | Hex    | Previous Part # | Brass  |                 |
|------------------|-------------|--------|-----------------|--------|-----------------|
|                  |             |        |                 | Part # |                 |
| 9/16"-18         | 1/4"        | 5/8"   | 156-0904        |        | <b>1560904C</b> |
|                  | 3/8"        | 11/16" | 156-0906        |        | <b>1560906C</b> |

## Oxy-Acetylene Ferrules

- sold in package quantities only



| Inside Dimensions | Overall Length | Metal Gauge | Standard Ind. Part # | Brass Part #  | Qty |
|-------------------|----------------|-------------|----------------------|---------------|-----|
| .458" x 0.890"    | 15/32"         | .019"       | 9116                 | <b>BFO448</b> | 25  |
| .474" x 0.943"    | 15/32"         | .019"       | 9979                 | <b>BFO474</b> | 25  |
| .535" x 1.071"    | 3/4"           | .024"       | 9940P                | <b>BFO535</b> | 25  |
| .593" x 1.109"    | 3/4"           | .024"       | 9593                 | <b>BFO593</b> | 25  |
| .700" x 1.325"    | .719"          | .025"       | 8337                 | <b>BFO700</b> | 25  |

|  |            |  |            |
|--|------------|--|------------|
| Proposition 65 Information.....                            | 916        | Water .....  | 936 to 937 |
| Hose & Coupling Safety.....                                | 916        | Water constants and formulas.....  | 936        |
| General Safety Information ..                              | 916, 917   | Water discharge table.....   | 936        |
| Safety Is Everyone's Job ...                               | 917 to 919 | Conversion table - feet of water to inches of mercury .....                | 937        |
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## Proposition 65 Information



### WARNING

As a company that may sell or distribute Dixon® couplings, adapters, valves and connectors made of brass to California consumers or to other persons or entities that may sell such items to California consumers, Dixon® is obligated to notify you of the following:

Safety & Technical

- Such products may not be sold to California consumers unless it either contains less than 300 ppm of lead when analyzed pursuant to the EPA test method 3050B or equivalent or is sold or distributed with a clear, reasonable and conspicuous warning.
- So long as it is prominently displayed on the product or the packaging of the product, the following warning complies: "WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. Do not use in connection with drinking water. Wash hands after handling."
- As to internet sales only, if the product is not labeled with the required warning, there must be a warning message by a clearly marked hyperlink on the product display page or otherwise prominently displayed to the purchaser before the purchaser completes the purchase of the product.

There are significant penalties associated with failure to comply with these requirements. Should you need further explanation or assistance in complying with notice, please do not hesitate to contact Dixon® at sales@dixonvalve.com.



**WARNING** Failure to use these procedures can result in serious injury or death, and destruction of property and equipment.

## Hose and Hose Coupling Safety

**"The very properties that make compressed gases useful in almost every area of modern life can also make them dangerous when mishandled. Years of experience with compressed gases have led to practices and equipment which, if employed, result in complete safety."**<sup>1</sup>

Dixon® hose couplings have been carefully engineered to meet specific requirements. If hose or couplings are not used in correct applications or are incorrectly applied, accidents and downtime can result. It is up to the end user to inform the distributor of the application and pressures involved when ordering hose assemblies and it is up to the distributor to supply the right hose and coupling for that application. When in doubt, Dixon® is here to help you with a proper coupling recommendation.

**1. Air hose couplings** - This form of energy can be one of the most dangerous because it is used in so many applications and, when mishandled, can have more serious results than fluids. Air, as a gas, is compressible (fluids press only against hose or vessel walls and lose little volume under pressure). When pressurized air releases suddenly, it does so with explosive force and can cause rapid hose whip, which can do serious physical harm to personnel or damage to nearby objects. This is why the selection of proper hose and couplings for air lines is so important, along with their proper installation and maintenance. Never take for granted that a coupling is installed properly or a clamp fully tightened on an air hose - check it regularly and use safety devices (see paragraph 4).

**2. Steam and gas** - The same rules apply for steam and gas, but, because these are inherently more hazardous materials, personnel tend to treat hose and couplings on these lines with more respect and care. Checking clamp tightness is very important with steam hose, where it is not unusual for clamps to loosen in service, in which case they must be retightened! Safety devices should also be used (see paragraph 4).

**3. Fluid hose couplings** - Again, nothing should be taken for granted - in particular, check clamps for tightness each time the lines are used - especially when petroleum products or other hazardous liquids are involved. Large diameter hose, when suspended, can also be quite dangerous if it drops unexpectedly due to a coupling "pull-out" or sudden disconnection. A heavy fitting or clamp, plus the weight of the hose itself falling from any significant height, can cause injuries or damage. Be sure to use safety devices (see paragraph 4).

**4. All hose assemblies** - All hose assemblies should be treated with respect as potential hazards. Worn-out fittings should be replaced. Retaining devices such as clips, cables or chains should be used. Clamps should be checked regularly. Under no circumstances should any coupling be disconnected while under pressure, unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction of property and equipment.

<sup>1</sup> "Handbook of Compressed Gases"

## General Safety Information

### Pressure Ratings

Pressure ratings for couplings, as stated in this catalog, are based upon ambient temperature **70°F (21°C)** applications with true hose ID, new Dixon® supplied couplings, new Dixon® supplied clamps, new quality hose, and proper installation by a qualified assembler using Dixon® procedures and equipment. In addition, temperature can affect coupling retention. For temperatures other than ambient (**70°F**), contact the hose manufacturer or call Dixon® at 800.355.1991.

### Product Selection

Many of the products in this catalog are used in hose assemblies in a variety of applications. The safety of any hose assembly rests on the proper selection, installation, testing and use of each product. The safe use of any product in this catalog is dependent upon the correct selection of the hose, fittings and method of attachment. To ensure such a proper selection, the user must inform the distributor of the application and pressure involved when ordering hose assemblies. The use of S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon®) will help in the proper selection of hose assembly components (see page 917). The selection of couplings and clamping devices is the responsibility of the purchaser or user, based upon the hose manufacturer's recommendations. If the purchaser or user is uncertain about the use or application of a product, Dixon™ stands ready to provide information, including test results (if available), coupling and clamping recommendations and other data to help resolve those matters.

continued on the next page



## General Safety Information, continued

### Installation

To achieve a safe and reliable assembly, proper installation procedures must be followed. Each component of the assembly has a part in determining these procedures. The purchaser or user must follow proper procedures. If the purchaser or user has any questions regarding installation, please contact Dixon®.

### Testing

Dixon® recommends that all hose assemblies be tested in accordance with the hose manufacturer's recommendations.

### Re-testing and Inspection

Dixon® recommends inspection and re-testing of hose assemblies on a regular and consistent basis in accordance with the hose manufacturer's recommendations. The application determines the regularity of the inspection and re-testing schedule. Any worn-out fittings, damaged hoses or missing safety devices should be replaced immediately. Bolt-style clamps must be checked and retightened on a regular and consistent basis.

All hose assemblies should be viewed as potential hazards. This document is designed to inform and educate anyone who manufactures, specifies, supplies, purchases, assembles, uses, maintains or tests any hose assembly or its component parts. The proper selection and maintenance of hose, couplings, attachment devices and accessories is imperative.

It is the end user's responsibility to identify to the distributor the application and any special conditions that the hose assembly must meet. It is the distributor's responsibility to supply the proper assembly for the intended application. Accidents and down time may occur if hose assemblies are not properly selected for the specific application.

The performance and safety of the assembly is affected by the quality of the individual components. The use of the acronym S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon®) will help in the proper selection of the hose assembly components (see below). If anyone is uncertain about the use or application of a product, Dixon® can provide test results, coupling and clamping recommendations and other data to help resolve those matters. Call 800.355.1991 with any questions.

## Be Safe

Hose assemblies must be inspected prior to each use. Worn out fittings, attachment devices, hose and accessory items must be replaced. Retaining devices (safety devices) such as clips, cables or chains must be used. Clamps must be checked regularly to the specified torque found in the Dixon® literature. Under no circumstance should any coupling be disconnected while under pressure unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction to property and equipment.

For all hose assemblies in use:

- Beware -** Hose assemblies when used improperly or in the wrong application can be dangerous. The maximum working pressure shown on the hose is not an indication of the working pressure of the assembly. Based on the hose, fittings and attachment method used, all assemblies should be permanently marked with the designed working pressure and the intended media. The assembly working pressure should be permanently displayed. Hose assemblies must be used for the intended service only. Never alter manufactured product or substitute component parts.
- Eliminate -** hazardous conditions by inspecting, maintaining and testing hose assemblies. Dixon® recommends that all hose assemblies be tested in accordance with the hose manufacturer's specifications. The application determines the regularity of the re-testing schedule.
- Secure -** and inspect hose, fittings, clamping devices and safety accessories before each use. Never take for granted that the coupling or attachment devices are properly installed.
- Always -** inspect and re-tighten the bolts of any bolt style clamping device to the manufacturer's torque specifications.
- Fittings -** hose and clamping devices that are worn out or damaged must be removed from service.
- Educate -** your employees about the proper use, care and potential hazards of hose assemblies. Take advantage of Dixon's free Hose Assembly Safety Program and the follow up Training Seminar to aid you in setting up your own inspection program. Any questions on applications, use or assembly call 800.355.1991.

## S.T.A.M.P.E.D.

When fabricating and specifying hose assemblies ask the following questions:

- Size:** What is the ID (Inside Diameter) of the hose? What is the OD (Outside Diameter) of both ends of the hose? What is the overall length of the assembly required?
- Temperature:** What is the temperature range of the media (product) that is flowing through the hose assembly?
- Application:** What is the temperature range of the environment that surrounds the outside of the hose assembly? How is the hose assembly actually being used? Is it a pressure application? Is it a vacuum (suction) application? Is it a gravity flow application? Are there any special requirements that the hose assembly is expected to perform? Is the hose being used in a horizontal or vertical position?
- Media:** Are there any pulsations or vibrations acting on the hose assembly? What is the media/material that is flowing through the hose assembly? Being specific is critical. Check for: Abrasive materials, chemical compatibility, etc.
- Pressure:** What is the maximum pressure including surges (or, maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest rated component in the system.
- Ends:** What couplings have been requested by the user? Are they the proper fittings for the application and hose selected?
- Dixon®:** Dixon® recommends that, based on the hose, fittings and attachment method used, all assemblies be permanently marked with the designed working pressure and intended media. Do not use other manufacturer's fittings or ferrules with Dixon® products due to the differences in dimensions and tolerances. We also recommend that all hose assemblies be tested frequently. *Be Safe:* Any questions on application, use or assembly call 800.355.1991.



## Force Chart

- For hose ID's from 1¼" to 12" the force in pounds is greater than the PSI.
- Force is the dynamic power which is exported longitudinally through a hose, towards the ends. To arrive at the number of pounds of force exerted, you merely multiply the area of the ID times the working pressure being used.
- Area of a circle:  $r^2$  (PI [3.1416] times radius squared)
- Force = Area x Pressure

### Force (In Pounds)

Safety &  
Technical

| Hose ID | 25 PSI | 50 PSI | 75 PSI | 100 PSI | 150 PSI | 200 PSI | 250 PSI | 300 PSI | 500 PSI | 1000 PSI |
|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|----------|
| ¼"      | 1      | 2      | 4      | 5       | 7       | 10      | 12      | 15      | 25      | 49       |
| ⅜"      | 3      | 6      | 8      | 11      | 17      | 22      | 28      | 33      | 55      | 110      |
| ½"      | 5      | 10     | 15     | 20      | 29      | 39      | 49      | 59      | 98      | 196      |
| ¾"      | 11     | 22     | 33     | 44      | 66      | 88      | 110     | 133     | 221     | 442      |
| 1"      | 20     | 39     | 59     | 79      | 118     | 157     | 196     | 236     | 393     | 785      |
| 1¼"     | 31     | 61     | 92     | 123     | 184     | 245     | 307     | 368     | 614     | 1227     |
| 1½"     | 44     | 88     | 133    | 177     | 265     | 353     | 442     | 530     | 884     | 1767     |
| 2"      | 79     | 157    | 236    | 314     | 471     | 628     | 785     | 942     | 1571    | 3142     |
| 2½"     | 123    | 245    | 368    | 491     | 736     | 982     | 1227    | 1473    | 2454    | 4909     |
| 3"      | 177    | 353    | 530    | 707     | 1060    | 1414    | 1767    | 2121    | 3534    | 7069     |
| 4"      | 314    | 628    | 942    | 1257    | 1885    | 2513    | 3142    | 3770    | 6283    | 12566    |
| 5"      | 491    | 982    | 1473   | 1964    | 2945    | 3927    | 4909    | 5891    | 9818    | 19635    |
| 6"      | 707    | 1414   | 2121   | 2827    | 4241    | 5655    | 7069    | 8482    | 14137   | 28274    |
| 8"      | 1257   | 2513   | 3770   | 5027    | 7540    | 10053   | 12566   | 15080   | 25133   | 50266    |
| 10"     | 1964   | 3927   | 5891   | 7854    | 11781   | 15708   | 19635   | 23562   | 39270   | 78540    |
| 12"     | 2827   | 5655   | 8482   | 11310   | 16965   | 22620   | 28274   | 33929   | 56549   | 113098   |

## Safety Products and Recommendations in the Dixon® Price List

### ***Safety is everyone's concern!***

Dixon® provides many safety products designed to protect personnel and property. Recommendations and safety warnings are also included for your review.

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| The importance of whip hose statement .....          | page 282 |

## MSHA (Mine Safety and Health Administration) Regulations

### 30 CFR Sections 56.13021 and 57.13021

Except where automatic shut-off valves are used, safety chains or other suitable locking devices shall be used at connections to machines of high-pressure hose line of ¾" inside diameter or larger, and between high-pressure hose lines of ¾" inside diameter or larger, where a connection failure would create a hazard.

### 30 CFR Section 75.1730

(e) Safety chains, suitable locking devices, or automatic cut-off valves shall be used at connections to machines of high-pressure hose lines of ¾" inside diameter or larger, and between high-pressure hose lines of ¾" inside diameter or larger, where a connection failure would create a hazard. For purposes of this paragraph, high-pressure means pressure of 100 PSI or more.

### 30 CFR Section 77.412

(d) Safety chains or suitable locking devices shall be used at connections to machines of high-pressure hose line of 1" inside diameter or larger, and between high-pressure hose line of 1" inside diameter or larger, where a connection failure would create a hazard.

*The regulations may be viewed in full on the Mine Safety and Health Administration website, msha.gov, please check the website for updates.*

## OSHA Regulations

### Standards - 29 CFR, 1910.242 (partial):

(b) Compressed air used for cleaning - Compressed air shall not be used for cleaning purposes except where reduced to less than 30 PSI and then only with effective chip guarding and personal protective equipment.

### Standards - 29 CFR, 1915.131 (partial):

(e) Before use, pneumatic tools shall be secured to the extension hose or whip by some positive means to prevent the tool from becoming accidentally disconnected from the whip.

### Standards - 29 CFR, 1926.302 (partial):

(b)(1) Pneumatic power tools shall be secured to the hose or whip by some positive means to prevent the tool from becoming accidentally disconnected.

(b)(2) Safety clips or retainers shall be securely installed and maintained on pneumatic impact (percussion) tools to prevent attachments from being accidentally expelled.

(b)(3) All pneumatically driven nailers, staplers and other similar equipment provided with automatic fastener feed, which operate at more than 100 PSI pressure at the tool shall have a safety device on the muzzle to prevent the tool from ejecting fasteners, unless the muzzle is in contact with the work surface.

(b)(4) Compressed air shall not be used for cleaning purposes except where reduced to 30 PSI and then only with effective chip guarding and personal protective equipment which meets the requirements of Subpart E of this part. The 30 PSI requirement does not apply for concrete form, mill scale and similar cleaning purposes.

(b)(5) The manufacturer's safe operating pressure for hoses, pipes, valves, filters and other fittings shall not be exceeded.

(b)(6) The use of hoses for hoisting or lowering tools shall not be permitted.

(b)(7) All hoses exceeding ½" inside diameter shall have a safety device at the source of supply or branch line to reduce pressure in case of hose failure.

### Standards - 29 CFR, 1926.306:

#### (a) General requirements

(a)(1) Application. This section applies to compressed air receivers, and other equipment used in providing and utilizing compressed air for performing operations such as cleaning, drilling, hoisting, and chipping. On the other hand, however, this section does not deal with the special problems created by using compressed air to convey materials nor the problems created when men work in compressed air as in tunnels and caissons. This section is not intended to apply to compressed air machinery and equipment used on transportation vehicles such as steam railroad cars, electric railway cars, and automotive equipment.

#### (a)(2) New and existing equipment.

(a)(2)(i) All new air receivers installed after the effective date of these regulations shall be constructed in accordance with the 1968 edition of the A.S.M.E. Boiler and Pressure Vessel Code Section VIII.

(a)(2)(ii) All safety valves used shall be constructed, installed and maintained in accordance with the A.S.M.E. Boiler and Pressure Vessel Code, Section VIII Edition 1968.

#### (b) Installation and equipment requirements

(b)(1) Installation. Air receivers shall be so installed that all drains, handholes, and manholes therein are easily accessible. Under no circumstances shall an air receiver be buried underground or located in an inaccessible place.

(b)(2) Drains and traps. A drain pipe and valve shall be installed at the lowest point of every air receiver to provide for the removal of accumulated oil and water. Adequate automatic traps may be installed in addition to drain valves. The drain valve on the air receiver shall be opened and the receiver completely drained frequently and at such intervals as to prevent the accumulation of excessive amounts of liquid in the receiver.

#### (b)(3) Gauges and valves.

(b)(3)(i) Every air receiver shall be equipped with an indicating pressure gauge (so located as to be readily visible) and with one or more spring-loaded safety valves. The total relieving capacity of such safety valves shall be such as to prevent pressure in the receiver from exceeding the maximum allowable working pressure of the receiver by more than 10 percent.

(b)(3)(ii) No valve of any type shall be placed between the air receiver and its safety valve or valves.

### Standards - 29 CFR, 1926.603 (partial):

(a)(9) Steam hose leading to a steam hammer or jet pipe shall be securely attached to the hammer with an adequate length of at least ¼" diameter chain or cable to prevent whipping in the event the joint at the hammer is broken. Air hammer hoses shall be provided with the same protection as required for steam lines.

(a)(10) Safety chains, or equivalent means, shall be provided for each hose connection to prevent the line from thrashing around in case the coupling becomes disconnected.

*The regulations may be viewed in full on the OSHA website, [osha.gov](http://osha.gov), please check the website for updates.*

## Solutions on Site Vans by Dixon®

Safety &amp; Technical



Our Solutions on Site (SOS) vans are outfitted with product samples, videos, literature and products representative of what Dixon® provides to specific markets. Call 800.355.1991 for additional information.

### Best Practices Safety Assessment

Dixon®, in partnership with your industrial hose supplier, is pleased to offer a hose and coupling safety survey of your plant, at no cost to you, to assist in your efforts to make your facility as safe, efficient and productive as possible.

Today, plant safety is an enormous, ongoing endeavor in which it is impossible to be an expert in every field.

The use of damaged or misapplied hose couplings and related items occurs. To the untrained eye, these hazards may continue to exist until an accident happens, threatening not only plant machinery, but also the well-being of plant personnel.

Our program includes a visual inspection of hose assemblies and related accessories in your plant by trained technicians. A professionally written report containing our observations and recommendations for corrective action is subsequently provided to augment your own ongoing safety program. If desired, photographs of the areas of concern can be supplied with the report. As a follow-up, the program offers an educational hands-on seminar directly relating to the safety concerns in your facility.

Plant safety is coming under increasing scrutiny by various regulatory agencies. Let Dixon® trained personnel assist you in establishing and maintaining safety compliance in your plant.

The safety survey report is completely confidential and will only be shown to authorized plant personnel. For more information, please contact Dixon® at 800.355.1991.

### Hose Coupling Workshop

In an effort to provide our customers with information regarding the proper and safe methods of assembling hose and couplings, Dixon® offers Hose Coupling Workshops suitable for a company's sales force and shop personnel.

Classes consist of lectures and/or hands-on demonstrations of coupling selection, hose preparation, coupling installation, assembly testing and maintenance procedures. Morning, afternoon and all day classes are available. For more information, please visit [dixonvalve.com/hcw](http://dixonvalve.com/hcw) or call 800.355.1991.

We encourage you to share this information with anyone who may be affected by the selection, installation, maintenance or use of any hose assembly. Always use quality products to **Be Safe**.

## Selecting Materials

This information is intended to help make general comparisons between different available materials.

| Material        | Features and Benefits  |
|-----------------|--|
| Stainless Steel | A corrosion-resistant material that provides high strength at high temperatures, helps prevent contamination of product being transported, maintains cleanliness, and retains a lustrous appearance. Harder than brass. <i>Type 304</i> is a low-carbon chromium-nickel stainless steel. <i>Type 316</i> is similar to type 304, but has a high nickel content as well as a molybdenum for stronger resistance to heat and corrosion. Often used for water, oil, gas, and steam in low- to high-pressure applications. |
| Brass           | Has good corrosion resistance and is less expensive than stainless steel. Is softer and easier to thread than stainless steel and forms tight seals. It can be used interchangeably with copper where heavier walls are required. Found in plumbing and heating application. Also good with oil, natural gas, and air. Resists corrosion from salt water as well as fresh water polluted with waste from mineral acids and peaty soils. Use in low- to high-pressure applications.                                     |
| Steel           | Used in noncorrosive environments. This carbon- and iron-based metal is hard and strong. It is an economical alternative to stainless steel and brass in high-pressure applications. For use with water, oil, gas, and steam in low- to high-pressure applications where corrosion is not a problem.   |

Safety & Technical

Product application is based not only on material selection but on design of product for intended use. Please contact Dixon® for selection of the proper fitting for your application.



## Corrosion Resistance of Coupling Material

### ⚠ WARNING

The data on the following pages has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

## Ratings

| Metal  | Non-Metal   | Gasket/Seal Material   |
|--|---|--|
| 1 = Excellent<br>2 = Good<br>3 = Fair<br>X = Not Recommended<br>- = Contact Dixon® | A = Acceptable<br>X = Not Recommended<br>- = Contact Dixon® | T = PTFE<br>V = FKM<br>E = EPDM, EPR<br>N = Neoprene<br>B = Buna N |

- Ratings given are based at **70°F (21°C)**. Chemical compatibility varies greatly with temperature. For applications at temperatures other than **70°F (21°C)**, contact Dixon® for recommendations at 800.355.1991.
- Gasket / seal materials are not necessarily listed in order of preference.
- Chemical resistance of a material does not necessarily indicate the suitability of a fitting in a given application due to variables such as improper clamp and coupling application, special hose construction, gasket material, etc.



Special caution should be taken when handling hazardous materials.

| AGENT                             | Aluminum | Brass | Bronze | Hastelloy, C-276 | Malleable Iron Carbon Steel | Monel | Stainless Steel, 304 | Stainless Steel, 316 | Nylon | Polypropylene | Seal Material |
|-----------------------------------|----------|-------|--------|------------------|-----------------------------|-------|----------------------|----------------------|-------|---------------|---------------|
| Acetate Solvents (Crude)          | 1        | X     | X      | 1                | 2                           | 2     | 1                    | 1                    | A     | X             | T             |
| Acetate Solvents (Pure)           | 1        | 1     | 1      | 1                | X                           | 1     | 1                    | 1                    | A     | X             | T             |
| Acetic Acid (80%)                 | 3        | X     | X      | 1                | X                           | 1     | 1                    | 1                    | X     | X             | TEVNB         |
| Acetic Acid (50%)                 | 2        | X     | X      | 1                | X                           | 2     | 2                    | 1                    | X     | X             | TEVNB         |
| Acetic Acid (20%)                 | 2        | X     | X      | 1                | X                           | 2     | 2                    | 1                    | X     | X             | TEVNB         |
| Acetic Acid (10%)                 | 2        | X     | 2      | 1                | X                           | 2     | 1                    | 1                    | X     | X             | TEVNB         |
| Acetic Anhydride                  | 2        | X     | 2      | 1                | 2                           | 2     | 2                    | 2                    | X     | X             | TNB           |
| Acetone                           | 1        | 2     | 2      | 1                | 2                           | 1     | 1                    | 1                    | A     | X             | TE            |
| Acetylene                         | 1        | X     | X      | 2                | 2                           | 2     | 1                    | 1                    | X     | X             | TEVNB         |
| Alcohols                          |          |       |        |                  |                             |       |                      |                      |       |               |               |
| Amyl Alcohol                      | 2        | 2     | 2      | 2                | 2                           | 1     | 2                    | 2                    | A     | A             | TEVNB         |
| Benzyl Alcohol                    | 2        | 2     | 2      | 2                | 2                           | 1     | 1                    | 1                    | X     | A             | TVB           |
| Butyl Alcohol                     | 1        | 2     | 1      | 2                | 2                           | 1     | 1                    | 1                    | A     | A             | TEVN          |
| Diacetone Alcohol                 | 1        | 1     | 2      | 1                | 2                           | 1     | 2                    | 2                    | X     | A             | TE            |
| Ethyl Alcohol                     | 1        | 2     | 2      | 1                | 2                           | 2     | 2                    | 2                    | X     | A             | TEVNB         |
| Hexyl Alcohol                     | -        | -     | -      | 1                | -                           | -     | -                    | -                    | A     | -             | -             |
| Isobutyl Alcohol                  | -        | -     | -      | -                | -                           | -     | -                    | -                    | A     | -             | -             |
| Isopropyl Alcohol                 | 2        | 2     | 2      | 2                | 2                           | 2     | 2                    | 2                    | A     | A             | TEVNB         |
| Methyl Alcohol (Methanol)         | 2        | 2     | 2      | 1                | 2                           | 2     | 2                    | 2                    | A     | A             | TENB          |
| Octyl Alcohol                     | -        | -     | -      | -                | -                           | -     | -                    | -                    | A     | -             | -             |
| Propyl Alcohol                    | 2        | 2     | 2      | 1                | 2                           | 2     | 1                    | 1                    | X     | A             | TEVNB         |
| Aluminum                          |          |       |        |                  |                             |       |                      |                      |       |               |               |
| Aluminum Chloride (Aqu.)          | X        | X     | X      | 1                | X                           | X     | X                    | X                    | A     | A             | TEVNB         |
| Aluminum Fluoride (Sat.)          | 2        | -     | -      | -                | X                           | 2     | X                    | 2                    | X     | A             | TEVNB         |
| Aluminum Nitrate (Sat.)           | 3        | X     | -      | -                | X                           | -     | 2                    | 2                    | A     | A             | TEVNB         |
| Aluminum Potassium Sulfate (Alum) | 2        | 2     | 2      | 2                | X                           | 2     | X                    | 2                    | X     | A             | TEVNB         |
| Aluminum Sulfate (Sat.)           | X        | X     | 2      | 2                | X                           | 2     | -                    | 2                    | A     | A             | TEVNB         |
| Ammonia                           |          |       |        |                  |                             |       |                      |                      |       |               |               |
| Ammonia Anhydrous                 | 1        | X     | X      | 2                | 1                           | 1     | 2                    | 1                    | A     | X             | TENB          |
| Ammonia Gas                       | X        | X     | X      | 1                | 1                           | X     | 1                    | 1                    | A     | X             | TENB          |
| Ammonia Nitrate                   | -        | -     | -      | -                | -                           | -     | -                    | -                    | X     | -             | -             |
| Ammonium                          |          |       |        |                  |                             |       |                      |                      |       |               |               |
| Ammonium Bifluoride               | -        | X     | -      | 2                | X                           | 2     | -                    | -                    | X     | A             | TEVB          |
| Ammonium Carbonate (Sat.)         | 2        | X     | X      | 2                | 2                           | 2     | 2                    | 2                    | A     | A             | TEVNB         |
| Ammonium Casenate                 | -        | -     | -      | -                | -                           | -     | -                    | -                    | A     | -             | -             |
| Ammonium Chloride (Sat.)          | X        | X     | 2      | 2                | X                           | 2     | X                    | X                    | A     | A             | TEVNB         |
| Ammonium Hydroxide (Sat.)         | 2        | X     | X      | 2                | 1                           | X     | 2                    | 2                    | A     | A             | TEVNB         |
| Ammonium Nitrate                  | 2        | X     | X      | -                | X                           | X     | -                    | -                    | A     | A             | TENB          |
| Ammonium Phosphate (10-40%)       | X        | X     | X      | -                | X                           | 2     | 1                    | 2                    | A     | A             | TEVNB         |
| Ammonium Sulfate (10-40%)         | X        | X     | 3      | 2                | X                           | 2     | X                    | 2                    | A     | A             | TEVNB         |
| Aniline                           | -        | X     | 2      | 2                | X                           | 2     | 1                    | 1                    | X     | X             | TV            |
| Arsenic Acid                      | X        | X     | 2      | 2                | X                           | X     | 2                    | 2                    | X     | A             | TEVNB         |
| Asphalt                           | -        | -     | -      | -                | 2                           | -     | -                    | 2                    | X     | X             | TV            |
| Barium                            |          |       |        |                  |                             |       |                      |                      |       |               |               |
| Barium Carbonate (Sat.)           | X        | 2     | 2      | 2                | 2                           | 2     | 2                    | 2                    | A     | A             | TEVNB         |
| Barium Chloride (Sat.)            | -        | 2     | 2      | 1                | -                           | 2     | X                    | -                    | A     | A             | TEVNB         |
| Barium Hydroxide (Sat.)           | X        | 2     | X      | 2                | 2                           | 1     | 2                    | 2                    | A     | A             | TEVNB         |
| Barium Sulfate                    | 2        | 2     | 2      | -                | X                           | 2     | 2                    | 2                    | A     | A             | TEVNB         |
| Barium Sulfide                    | X        | X     | X      | -                | 2                           | X     | 2                    | 2                    | A     | A             | TEVNB         |
| Beer                              | 1        | 2     | 2      | 1                | 2                           | 1     | 1                    | 1                    | A     | A             | TEVNB         |
| Benzaldehyde                      | 2        | 2     | 2      | 2                | X                           | 2     | 2                    | 2                    | X     | X             | TE            |
| Benzene, Benzol                   | 1        | 2     | 2      | 2                | 2                           | 2     | 2                    | 2                    | A     | X             | TV            |
| Benzine                           | -        | -     | -      | -                | -                           | -     | -                    | -                    | A     | X             | -             |
| Benzoic Acid                      | 2        | 2     | 2      | -                | X                           | 2     | 2                    | 2                    | X     | X             | TVN           |
| Black Liquor                      | X        | X     | X      | X                | -                           | 2     | 2                    | 2                    | X     | A             | TEVNB         |
| Bleach (12.5% Active Chlorine)    | X        | -     | -      | 1                | X                           | -     | -                    | X                    | X     | A             | TEVN          |
| Borax                             | X        | 2     | 2      | 1                | 2                           | 1     | 1                    | 1                    | X     | A             | TEVNB         |
| Boric Acid                        | 1        | X     | 2      | 1                | X                           | 2     | -                    | -                    | X     | A             | TEVNB         |
| Brine Acid                        | -        | 2     | 2      | 1                | -                           | -     | -                    | -                    | X     | A             | TEVNB         |
| Bromic acid                       | X        | X     | X      | -                | -                           | X     | -                    | -                    | X     | A             | TEVN          |
| Bromine Liquid                    | 2        | -     | -      | -                | -                           | -     | X                    | X                    | X     | X             | TV            |
| Butadiene, Butylene               | 2        | 2     | 2      | 2                | 2                           | 1     | 2                    | 2                    | X     | X             | TVNB          |
| Butane                            | 2        | 2     | 2      | 2                | 1                           | 1     | 2                    | 2                    | X     | X             | TV            |
| Butyl Acetate                     | 1        | 2     | 2      | 2                | 2                           | 2     | 2                    | 2                    | A     | X             | T             |
| Butyric Acid                      | 2        | 2     | X      | 1                | X                           | 2     | 2                    | 2                    | A     | A             | TV            |

Ratings given are based at 70°F (21°C).



# Material Selection

| AGENT                               | Aluminum | Brass | Bronze | Hastelloy,<br>C-276 | Malleable Iron<br>Carbon Steel | Monel | Stainless<br>Steel, 304 | Stainless<br>Steel, 316 | Nylon | Polypropylene | Seal<br>Material |
|-------------------------------------|----------|-------|--------|---------------------|--------------------------------|-------|-------------------------|-------------------------|-------|---------------|------------------|
| Calcium                             |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Calcium Bisulfate                   | X        | -     | X      | -                   | X                              | X     | X                       | 2                       | X     | A             | T                |
| Calcium Bisulfide                   | -        | -     | -      | -                   | -                              | 2     | -                       | 2                       | A     | A             | TVB              |
| Calcium Bisulfite                   | X        | X     | 2      | 2                   | X                              | X     | -                       | 2                       | X     | A             | TVNB             |
| Calcium Bromide                     | X        | 2     | 2      | -                   | X                              | 2     | 1                       | X                       | X     | X             | T                |
| Calcium Carbonate                   | X        | 2     | 2      | 2                   | 2                              | 2     | 1                       | 2                       | A     | A             | TEVB             |
| Calcium Chloride (Sat.)             | -        | 2     | -      | 1                   | 2                              | 2     | -                       | -                       | A     | A             | TEVNB            |
| Calcium Hydroxide (Sat.)            | X        | 2     | X      | -                   | 2                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Calcium Hypochlorite (Sat.)         | X        | X     | X      | -                   | X                              | X     | X                       | 2                       | X     | A             | TEV              |
| Carbon                              |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Carbon Bisulfide                    | 1        | X     | 2      | 2                   | 2                              | X     | 2                       | 2                       | A     | X             | TV               |
| Carbon Dioxide (Dry)                | 1        | 1     | 2      | 1                   | 2                              | 1     | 2                       | 2                       | A     | A             | TENB             |
| Carbon Dioxide (Wet)                | 1        | X     | -      | 2                   | 3                              | -     | 2                       | 2                       | X     | A             | TENB             |
| Carbon Disulfide                    | 1        | X     | 2      | 2                   | 2                              | X     | 2                       | 2                       | A     | X             | TV               |
| Carbon Monoxide                     | 1        | 1     | 1      | 1                   | 2                              | 1     | 1                       | 1                       | A     | A             | TEVNB            |
| Carbon Tetrachloride                | X        | -     | 1      | 1                   | 2                              | 1     | 1                       | -                       | A     | X             | TV               |
| Carbonic Acid                       | 1        | 2     | 2      | 1                   | 2                              | 3     | 2                       | 2                       | X     | A             | TEVNB            |
| Castor Oil                          | 2        | 2     | 2      | 1                   | 2                              | 1     | 2                       | 2                       | X     | A             | TEVNB            |
| Caustic Potash                      | X        | -     | -      | 1                   | X                              | -     | -                       | 2                       | A     | A             | TEVNB            |
| Caustic Soda (see Sodium Hydroxide) |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Cellosolves                         | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | X     | A             | TE               |
| Chlorine (Liquid)                   | -        | -     | -      | 1                   | 2                              | 2     | -                       | 3                       | X     | X             | TV               |
| Chloroform                          | -        | -     | -      | 2                   | X                              | 1     | -                       | -                       | X     | X             | TV               |
| Chlorosulfonic Acid                 | -        | X     | X      | 1                   | 2                              | 2     | X                       | X                       | X     | X             | T                |
| Clorox (Bleach, 5.5% CL)            | X        | -     | -      | -                   | X                              | -     | -                       | 2                       | X     | -             | TEVB             |
| Chromic Acid (50%)                  | 2        | X     | X      | 2                   | X                              | X     | 3                       | -                       | X     | X             | TVNB             |
| Citric Acid                         | 3        | X     | X      | 1                   | X                              | 2     | -                       | -                       | X     | A             | TEVNB            |
| Coke Oven Gas                       | 2        | 3     | 3      | -                   | 2                              | 2     | 2                       | 2                       | X     | X             | TEVN             |
| Copper                              |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Copper Chloride                     | X        | X     | X      | 2                   | X                              | X     | X                       | X                       | A     | A             | TEVNB            |
| Copper Cyanide                      | X        | X     | X      | 1                   | -                              | X     | 2                       | 2                       | X     | -             | TEVNB            |
| Copper Sulfate                      | X        | X     | X      | 1                   | X                              | X     | -                       | 2                       | A     | A             | TEVNB            |
| Crylic Acid (Conc.)                 | 2        | 2     | X      | -                   | 2                              | 3     | 2                       | 2                       | X     | X             | TEV              |
| Cyclohexane                         | 2        | 2     | 2      | 2                   | 2                              | 1     | 2                       | 2                       | A     | X             | TVB              |
| Detergents                          | 2        | 2     | 2      | 1                   | 2                              | -     | 1                       | 2                       | A     | A             | TEVNB            |
| Dextrose                            | 2        | -     | -      | 2                   | -                              | 2     | -                       | -                       | A     | A             | TEVNB            |
| Diesel Fuels                        | 1        | 1     | 1      | 2                   | 2                              | -     | 1                       | 1                       | A     | X             | TVB              |
| Diethylamine                        | 2        | -     | X      | -                   | X                              | 1     | 2                       | 2                       | X     | A             | TN               |
| Disodium Phosphate                  | -        | -     | -      | -                   | 1                              | -     | -                       | 1                       | A     | A             | TEV              |
| Ethers                              | 2        | 2     | 2      | 2                   | 2                              | 2     | 1                       | 1                       | A     | X             | TB               |
| Ethyl                               |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Ethyl Acetate                       | -        | -     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | X             | T                |
| Ethyl Chloride                      | -        | -     | 2      | 2                   | 2                              | 2     | -                       | 1                       | A     | X             | TEVB             |
| Ethylene                            |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Ethylene Chloride                   | -        | -     | -      | -                   | 2                              | 2     | -                       | -                       | A     | X             | TV               |
| Ethylene Dichloride                 | -        | 2     | X      | 2                   | 2                              | 1     | 2                       | 2                       | A     | X             | TV               |
| Ethylene Glycol                     | 1        | 2     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | A     | X             | TEVNB            |
| Ethylene Oxide                      | X        | X     | X      | 1                   | 3                              | 2     | 2                       | 2                       | X     | X             | T                |
| Fatty Acids                         | 1        | 3     | 3      | 1                   | X                              | 2     | -                       | 1                       | A     | A             | TVNB             |
| Ferric                              |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Ferric Chloride                     | X        | X     | 2      | 2                   | X                              | X     | X                       | X                       | X     | A             | TEVNB            |
| Ferric Hydroxide                    | -        | -     | -      | 1                   | -                              | 2     | 1                       | 1                       | A     | -             | TEVNB            |
| Ferric Nitrate (10-50%)             | X        | X     | X      | -                   | X                              | X     | 2                       | 2                       | X     | A             | TEVNB            |
| Ferric Sulfate                      | X        | X     | X      | -                   | X                              | 2     | -                       | -                       | X     | A             | TEVNB            |
| Ferrous                             |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Ferrous Chloride (Sat.)             | X        | X     | 2      | 2                   | -                              | X     | X                       | X                       | X     | A             | TEVNB            |
| Ferrous Sulfate                     | 2        | 2     | 2      | 2                   | X                              | 2     | 2                       | -                       | X     | A             | TEVNB            |
| Fluboric Acid                       | X        | -     | -      | 1                   | 1                              | 2     | -                       | -                       | X     | A             | TEVNB            |
| Formaldehyde (50%)                  | -        | 2     | 2      | 2                   | X                              | 2     | 1                       | 1                       | X     | A             | TEN              |
| Formic Acid (Anhyd.)                | 1        | X     | 2      | 1                   | X                              | 2     | -                       | -                       | X     | A             | TEVN             |
| Freon                               |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Freon 11                            | 2        | 2     | 2      | -                   | X                              | 1     | 2                       | 2                       | X     | X             | TVNB             |
| Freon 12                            | 2        | 2     | 2      | 1                   | X                              | 2     | 2                       | 2                       | X     | X             | TVNB             |
| Freon 22                            | 2        | 2     | 2      | 2                   | X                              | 2     | 2                       | 2                       | X     | X             | TN               |
| Fruit Juices                        | 2        | 2     | 3      | 1                   | X                              | 1     | 2                       | 2                       | A     | A             | TVNB             |
| Fuel Oil                            | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | X             | TVNB             |
| Furfural                            | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | X             | TEN              |

Safety &  
Technical



| AGENT                          | Aluminum | Brass | Bronze | Hastelloy,<br>C-276 | Malleable Iron<br>Carbon Steel | Monel | Stainless<br>Steel, 304 | Stainless<br>Steel, 316 | Nylon | Polypropylene | Seal<br>Material |
|--------------------------------|----------|-------|--------|---------------------|--------------------------------|-------|-------------------------|-------------------------|-------|---------------|------------------|
| Gasoline                       |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Refined Gasoline               | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | X             | TVNB             |
| Sour Gasoline                  | X        | 2     | 2      | 2                   | 2                              | X     | 2                       | 2                       | A     | X             | TVNB             |
| Gelatin                        | 2        | 2     | 2      | -                   | X                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Glucose                        | 2        | 2     | 2      | -                   | 2                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Glue                           | 2        | 2     | 2      | 1                   | 2                              | 2     | -                       | 2                       | -     | A             | TEVNB            |
| Glycerine                      | 1        | 1     | 2      | 1                   | 2                              | 1     | 1                       | 1                       | A     | A             | TEVNB            |
| Glycols                        | 2        | 2     | 2      | -                   | 2                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Green Liquor                   | -        | -     | -      | -                   | 2                              | -     | -                       | -                       | -     | A             | TEVNB            |
| Heptane                        | 2        | 2     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | A     | X             | TVNB             |
| Hexane                         | 2        | 2     | 2      | 1                   | 2                              | 2     | 1                       | 1                       | A     | X             | TVNB             |
| Hydrobromic Acid (50%)         | X        | X     | X      | 2                   | X                              | X     | X                       | X                       | X     | A             | TEV              |
| Hydrobromic Acid (20%)         | X        | X     | X      | 1                   | X                              | X     | X                       | X                       | X     | A             | TEV              |
| Hydrochloric Acid (20%)        | X        | X     | X      | 1                   | X                              | 3     | X                       | X                       | X     | A             | TEVNB            |
| Hydrochloric Acid (38%)        | X        | X     | X      | 1                   | X                              | X     | X                       | X                       | X     | A             | TEVN             |
| Hydrocyanic Acid               | 2        | X     | X      | 2                   | 2                              | 2     | 2                       | 2                       | X     | A             | TEVN             |
| Hydrofluosilicic Acid (10-50%) | X        | 2     | X      | 2                   | X                              | 2     | X                       | 2                       | X     | -             | TEVNB            |
| Hydrogen                       |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Hydrogen Peroxide (50%)        | -        | X     | X      | 2                   | X                              | 2     | -                       | -                       | X     | A             | TEV              |
| Hydrogen Sulfide (Aque.)       | -        | -     | -      | 2                   | -                              | 2     | X                       | 2                       | X     | A             | TE               |
| Hydrogen Chloride (Dry Gas)    | X        | 2     | -      | 1                   | 2                              | 1     | -                       | -                       | X     | A             | TEVN             |
| Hydrogen Gas                   | 1        | 1     | 1      | 1                   | -                              | 1     | 1                       | 1                       | X     | A             | TEVNB            |
| Hypochlorous Acid              | X        | X     | X      | 2                   | X                              | X     | X                       | X                       | X     | X             | TEV              |
| Iodine                         | 1        | X     | X      | -                   | X                              | 1     | X                       | X                       | X     | A             | TEV              |
| Isopropyl Ether                | -        | 2     | 2      | -                   | -                              | 2     | 1                       | 2                       | A     | X             | T                |
| Jet Fuel (JP4, JP5)            | 2        | 1     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | X     | X             | TV               |
| Kerosene                       | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | X     | X             | TVNB             |
| Ketones                        | 2        | 2     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | A     | X             | T                |
| Lactic Acid (25%)              | 3        | 2     | 2      | 1                   | X                              | X     | -                       | -                       | A     | A             | TEVN             |
| Lactic Acid (80%)              | 2        | 2     | X      | 2                   | X                              | -     | -                       | -                       | A     | A             | TEVN             |
| Lard Oil                       | 2        | -     | 2      | 1                   | 3                              | 2     | 2                       | 2                       | A     | A             | TVB              |
| Lead                           |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Lead Acetate                   | X        | X     | X      | 2                   | X                              | 2     | 2                       | 2                       | X     | A             | TENB             |
| Lead Chloride                  | X        | -     | -      | 2                   | -                              | -     | 2                       | 2                       | X     | -             | TVNB             |
| Lead Sulfate                   | X        | -     | -      | 2                   | X                              | 2     | 2                       | 2                       | X     | -             | TEVNB            |
| Lime Sulphur                   | X        | X     | X      | -                   | X                              | 2     | 2                       | 2                       | X     | A             | TEVN             |
| Linoleic Acid                  | 2        | X     | 3      | 2                   | X                              | 2     | 2                       | 2                       | X     | A             | TVB              |
| Linseed Oil                    | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | A             | TVNB             |
| Lubricants (Oil)               | 2        | 1     | -      | -                   | 2                              | 2     | 2                       | 2                       | A     | X             | TVNB             |
| Magnesium                      |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Magnesium Carbonate            | 2        | -     | -      | -                   | -                              | 2     | 2                       | 2                       | X     | A             | TEVNB            |
| Magnesium Chloride             | X        | X     | 2      | 1                   | -                              | -     | -                       | -                       | X     | A             | TEVNB            |
| Magnesium Hydroxide            | 2        | 2     | 2      | 1                   | 2                              | 2     | 1                       | 1                       | X     | A             | TEVNB            |
| Magnesium Nitrate              | 2        | 2     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | X     | A             | TEVNB            |
| Magnesium Oxide                | -        | -     | -      | -                   | -                              | -     | -                       | -                       | X     | -             | -                |
| Magnesium Sulfate              | 2        | -     | 2      | -                   | -                              | 1     | 2                       | 2                       | X     | A             | TEVNB            |
| Maleic Acid                    | -        | 2     | 3      | 2                   | X                              | -     | -                       | 2                       | X     | A             | TEV              |
| Mercuric                       |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Mercuric Chloride              | X        | X     | X      | -                   | X                              | X     | X                       | -                       | X     | A             | TEVB             |
| Mercuric Cyanide               | X        | X     | X      | 2                   | X                              | 2     | 2                       | 2                       | X     | A             | TEVB             |
| Mercury                        | X        | X     | X      | 1                   | 2                              | -     | 1                       | 1                       | A     | A             | TEVNB            |
| Methane                        | 1        | 1     | 2      | 1                   | 2                              | 1     | 1                       | 1                       | A     | X             | TEVNB            |
| Methanol                       | 2        | 2     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | A     | A             | TENB             |
| Methyl                         |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Methyl Bromide                 | X        | -     | -      | -                   | 2                              | -     | 2                       | 2                       | X     | X             | TV               |
| Methyl Ethyl Ketone            | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | X             | TE               |
| Methyl Isobutyl Ketone         | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | X             | T                |
| Methyl Methacrylate            | 2        | -     | -      | -                   | X                              | -     | 2                       | 2                       | X     | A             | T                |
| Methylene Chloride             | -        | 2     | 2      | X                   | 2                              | -     | -                       | -                       | A     | X             | T                |
| Milk                           | 1        | X     | X      | 1                   | 2                              | X     | 1                       | 1                       | A     | A             | TEVNB            |
| Mineral Oil                    | 2        | 1     | -      | -                   | 2                              | 1     | 1                       | 2                       | A     | A             | TVNB             |
| Muriatic Acid                  | X        | -     | -      | 1                   | -                              | X     | X                       | X                       | X     | A             | TV               |
| Napthalene                     | 2        | 2     | 2      | 2                   | 2                              | 2     | 1                       | 1                       | A     | A             | TV               |
| Naptha                         | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | X             | TVB              |

Ratings given are based at 70°F (21°C).

| AGENT                             | Aluminum | Brass | Bronze | Hastelloy,<br>C-276 | Malleable Iron<br>Carbon Steel | Monel | Stainless<br>Steel, 304 | Stainless<br>Steel, 316 | Nylon | Polypropylene | Seal<br>Material |
|-----------------------------------|----------|-------|--------|---------------------|--------------------------------|-------|-------------------------|-------------------------|-------|---------------|------------------|
| Nickel                            |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Nickel Chloride                   | X        | X     | X      | -                   | X                              | 2     | -                       | -                       | X     | A             | TEVNB            |
| Nickel Sulfate                    | X        | X     | -      | 2                   | -                              | -     | 2                       | 2                       | X     | A             | TEVNB            |
| Nitric                            |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Nitric Acid (100%)                | 1        | X     | X      | 2                   | X                              | X     | 2                       | -                       | X     | X             | TV               |
| Nitric Acid (50%)                 | X        | X     | X      | 1                   | X                              | X     | 2                       | -                       | X     | X             | TV               |
| Nitric Acid (30%)                 | X        | X     | X      | 1                   | X                              | X     | 1                       | -                       | X     | X             | TV               |
| Nitrobenzene                      | 1        | 2     | 2      | -                   | 2                              | 2     | 2                       | 2                       | A     | A             | T                |
| Oils                              |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Castor Oil                        | 2        | 2     | 2      | 1                   | 2                              | 1     | 2                       | 2                       | A     | A             | TEVNB            |
| Coconut Oil                       | 2        | -     | 2      | -                   | 3                              | 2     | 2                       | 2                       | A     | A             | TVB              |
| Corn Oil                          | 2        | 2     | 2      | -                   | 2                              | 2     | -                       | 2                       | A     | A             | TVNB             |
| Cotton Seed Oil                   | 2        | 2     | 2      | -                   | 2                              | 1     | 2                       | 2                       | A     | A             | TVNB             |
| Fuel Oil                          | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | X             | TVNB             |
| Linseed Oil                       | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | A             | TVNB             |
| Mineral Oil                       | 2        | 1     | -      | -                   | 2                              | 1     | 1                       | 2                       | A     | A             | TVNB             |
| Silicon Oil                       | 2        | 1     | 2      | -                   | 2                              | -     | 2                       | 2                       | A     | A             | TEVB             |
| Vegetable Oil                     | 2        | 2     | 2      | 1                   | 2                              | 1     | 1                       | 1                       | A     | X             | TVNB             |
| Oleic Acid                        | 2        | 3     | 2      | 2                   | 2                              | 1     | -                       | 1                       | A     | X             | TB               |
| Oleum                             | 2        | X     | X      | -                   | 2                              | X     | 2                       | 2                       | X     | X             | TV               |
| Oxalic Acid (Sat.)                | 2        | -     | 2      | 2                   | X                              | 2     | X                       | X                       | X     | A             | TEV              |
| Oxygen                            | 2        | 2     | 2      | -                   | 2                              | 2     | 2                       | 2                       | X     | X             | TEVNB            |
| Palmitic Acid (Sat.)              | 2        | 3     | 2      | -                   | 3                              | 2     | 2                       | 2                       | X     | A             | TVB              |
| Paraffin                          | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | A             | TVNB             |
| Perchloroethylene                 | 2        | 2     | 2      | 2                   | 2                              | 1     | -                       | -                       | X     | X             | TV               |
| Petrolatum                        | 2        | -     | 2      | -                   | 3                              | 2     | 2                       | 2                       | A     | -             | TVNB             |
| Phenol (Carbolic Acid)            | 1        | 1     | X      | 1                   | 2                              | 1     | -                       | 1                       | X     | X             | TV               |
| Phosphoric Acid                   |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Phosphoric Acid (25-50%)          | X        | X     | 2      | 1                   | X                              | X     | -                       | -                       | X     | A             | TEVN             |
| Phosphoric Acid (50-85%)          | X        | X     | X      | 1                   | X                              | 3     | -                       | -                       | X     | A             | TEV              |
| Photographic Solutions            | -        | -     | -      | -                   | X                              | 1     | 1                       | 1                       | X     | X             | TVNB             |
| Phthalic Anhydride                | -        | 2     | 2      | 1                   | 2                              | 1     | 1                       | 1                       | X     | X             | TEV              |
| Picric Acid                       | 1        | X     | X      | 2                   | X                              | X     | 2                       | 2                       | X     | -             | TEVNB            |
| Plating Solutions                 |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Brass Plating Solution            | -        | -     | -      | 1                   | -                              | -     | -                       | 2                       | X     | A             | TEVNB            |
| Cadmium Plating Solution          | -        | -     | -      | 1                   | -                              | -     | -                       | 2                       | X     | A             | TEVNB            |
| Chrome 40% Plating Solution       | X        | 2     | 2      | 1                   | X                              | X     | 2                       | 2                       | X     | A             | TEVN             |
| Copper (Cyanide) Plating Solution | -        | -     | -      | 1                   | -                              | -     | -                       | -                       | X     | A             | TEVNB            |
| Gold Plating Solution             | -        | -     | -      | 1                   | -                              | -     | -                       | 1                       | X     | A             | TEVNB            |
| Iron Plating Solution             | -        | -     | -      | -                   | -                              | -     | -                       | -                       | X     | A             | TEVB             |
| Lead Plating Solution             | -        | -     | -      | -                   | -                              | -     | 1                       | 1                       | X     | A             | TEVNB            |
| Nickel Plating Solution           | -        | -     | -      | 1                   | -                              | -     | 1                       | 1                       | X     | A             | TEVNB            |
| Silver Plating Solution           | -        | -     | -      | 1                   | -                              | -     | 1                       | 1                       | X     | A             | TEVNB            |
| Tin Plating Solution              | -        | -     | -      | 1                   | -                              | -     | -                       | 3                       | X     | A             | TEVNB            |
| Zinc Plating Solution             | -        | -     | -      | 1                   | -                              | -     | -                       | -                       | X     | A             | TEVNB            |
| Potassium                         |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Potassium Acetate                 | X        | X     | X      | -                   | 2                              | -     | -                       | -                       | A     | A             | TEVB             |
| Potassium Bicarbonate (30%)       | X        | 2     | -      | 2                   | 2                              | 2     | 1                       | 1                       | A     | A             | TEVNB            |
| Potassium Carbonate (50%)         | X        | 2     | X      | 2                   | 2                              | 2     | 1                       | 1                       | A     | A             | TEVNB            |
| Potassium Chlorate (30%)          | 2        | X     | X      | -                   | 2                              | 2     | 2                       | 1                       | X     | A             | TEVNB            |
| Potassium Chloride (30%)          | X        | X     | 2      | -                   | 2                              | 1     | -                       | -                       | A     | A             | TEVNB            |
| Potassium Chromate (30%)          | 2        | 2     | 2      | 2                   | -                              | 2     | 2                       | 2                       | X     | A             | TEVB             |
| Potassium Cyanide Solution (30%)  | X        | X     | X      | 2                   | 2                              | 2     | 2                       | 2                       | X     | A             | TEVNB            |
| Potassium Dichromate (30%)        | 1        | 2     | 2      | 2                   | 2                              | 2     | 1                       | 1                       | X     | A             | TEVB             |
| Potassium Hydroxide (90%)         | X        | X     | X      | 2                   | -                              | 2     | X                       | -                       | X     | A             | TENB             |
| Potassium Nitrate (80%)           | 1        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | X     | A             | TEVNB            |
| Potassium Permanganate (20%)      | 2        | 2     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | X     | A             | TEVN             |
| Potassium Sulfate (10%)           | 1        | 2     | 2      | 1                   | 2                              | 1     | 1                       | 1                       | A     | A             | TEVNB            |
| Propane                           | 1        | 1     | 1      | 2                   | 2                              | 1     | 2                       | 2                       | X     | X             | TVB              |
| Propylene Glycol                  | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | A             | TVNB             |
| Propylene Oxide (90%)             | -        | -     | -      | -                   | -                              | -     | 1                       | 1                       | X     | X             | TE               |
| Pyridine                          | 2        | 2     | 2      | -                   | 2                              | 2     | 2                       | 2                       | A     | X             | T                |
| Pyrogalllic Acid                  | 2        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | X     | X             | TVNB             |
| Silver Nitrate                    | X        | X     | X      | -                   | X                              | X     | 2                       | 1                       | X     | A             | TEVNB            |
| Soap Solutions                    | 2        | 2     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |

Safety &  
Technical

Ratings given are based at 70°F (21°C).

| AGENT                     | Aluminum | Brass | Bronze | Hastelloy,<br>C-276 | Malleable Iron<br>Carbon Steel | Monel | Stainless<br>Steel, 304 | Stainless<br>Steel, 316 | Nylon | Polypropylene | Seal<br>Material |
|---------------------------|----------|-------|--------|---------------------|--------------------------------|-------|-------------------------|-------------------------|-------|---------------|------------------|
| Sodium                    |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Sodium Acetate            | 1        | 2     | 2      | -                   | X                              | 2     | 2                       | 2                       | A     | A             | TEN              |
| Sodium Bicarbonate (20%)  | 2        | 2     | 2      | 1                   | 3                              | 1     | 1                       | 1                       | A     | A             | TEVNB            |
| Sodium Bisulfate          | X        | -     | 2      | 2                   | 2                              | -     | -                       | -                       | A     | A             | TEVNB            |
| Sodium Bisulfite          | X        | 2     | X      | 2                   | X                              | -     | -                       | -                       | A     | A             | TEVNB            |
| Sodium Borate             | 2        | 2     | 2      | 2                   | 3                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Sodium Perborate (10%)    | 2        | X     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | X     | A             | TEVNB            |
| Sodium Carbonate          | X        | 2     | -      | 2                   | 2                              | 1     | -                       | 2                       | A     | A             | TEVNB            |
| Sodium Chlorate (50%)     | 2        | 2     | 2      | 1                   | X                              | 1     | 2                       | 2                       | X     | A             | TEVNB            |
| Sodium Cyanide            | X        | X     | X      | 2                   | 2                              | X     | -                       | -                       | A     | A             | TEVNB            |
| Sodium Dichromate         | 2        | X     | X      | 1                   | 2                              | -     | 2                       | 2                       | X     | A             | TE               |
| Sodium Hydroxide (70%)    | X        | X     | X      | 1                   | 3                              | 1     | 2                       | 2                       | X     | A             | TENB             |
| Sodium Hydroxide (50%)    | X        | X     | 3      | 1                   | 3                              | 1     | 1                       | -                       | X     | A             | TENB             |
| Sodium Hydroxide (30%)    | X        | 2     | 3      | 2                   | 2                              | 1     | 1                       | 1                       | X     | A             | TENB             |
| Sodium Chloride (30%)     | X        | 2     | 2      | 2                   | 2                              | 1     | -                       | -                       | X     | A             | TEVNB            |
| Sodium Hypochlorite       | X        | X     | X      | -                   | X                              | X     | -                       | -                       | X     | A             | TEV              |
| Sodium Metaphosphate      | X        | X     | 2      | -                   | X                              | 2     | 2                       | 2                       | X     | X             | TEVNB            |
| Sodium Nitrate (40%)      | 1        | 2     | -      | -                   | 2                              | 2     | 1                       | 1                       | A     | A             | TENB             |
| Sodium Perborate (10%)    | 2        | X     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | X     | A             | TEVNB            |
| Sodium Peroxide (10%)     | 2        | X     | X      | 2                   | 2                              | 2     | 2                       | 2                       | X     | A             | TEVNB            |
| Sodium Silicate           | 1        | 2     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Sodium Sulfate            | -        | 2     | 2      | 2                   | 2                              | -     | -                       | 1                       | A     | A             | TEVNB            |
| Sodium Sulfide (50%)      | X        | X     | X      | 2                   | 2                              | 2     | -                       | 2                       | X     | A             | TEVNB            |
| Sodium Thiosulphate       | 2        | X     | X      | 2                   | X                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Stannic Chloride          | X        | X     | X      | -                   | X                              | X     | X                       | X                       | X     | A             | TEVNB            |
| Stannous Chloride         | X        | X     | X      | 2                   | X                              | -     | X                       | -                       | X     | X             | TEVNB            |
| Steam                     | -        | -     | -      | -                   | -                              | -     | -                       | -                       | X     | -             | -                |
| Stearic Acid              | 2        | 3     | 2      | 1                   | 3                              | 3     | 2                       | 1                       | A     | A             | TVNB             |
| Stoddard's Solvent        | 2        | 2     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | X     | A             | TVB              |
| Sugar Liquors (Cane)      | 1        | 2     | 1      | -                   | 2                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Sugar Liquors (Beet)      | 1        | 2     | 1      | -                   | 2                              | 1     | 1                       | 1                       | A     | A             | TEVNB            |
| Sulfate Liquors           | 2        | X     | X      | 2                   | 3                              | 2     | -                       | 2                       | X     | A             | TVNB             |
| Sulfite Liquors           | X        | X     | -      | 1                   | X                              | X     | 2                       | 2                       | X     | X             | TVNB             |
| Sulfur Chloride           | X        | -     | X      | 2                   | X                              | X     | -                       | -                       | X     | X             | TV               |
| Sulfur Dioxide (Dry)      | 2        | 2     | 2      | 2                   | 1                              | 2     | -                       | 2                       | X     | A             | TE               |
| Sulfur Trioxide           | 2        | 2     | X      | 2                   | 2                              | 2     | -                       | 2                       | X     | X             | TEV              |
| Sulfuric Acid (TO 10%)    | X        | 2     | X      | 1                   | X                              | X     | X                       | X                       | X     | A             | TEVNB            |
| Sulfuric Acid (100%)      | X        | X     | X      | 1                   | 2                              | X     | -                       | -                       | X     | X             | TV               |
| Sulfurous Acid            | 2        | 2     | X      | -                   | X                              | X     | X                       | -                       | X     | A             | TV               |
| Tannic Acid               | X        | -     | X      | -                   | X                              | 2     | 2                       | 2                       | X     | A             | TEVNB            |
| Tanning Liquors           | 1        | -     | 2      | 1                   | -                              | -     | 1                       | 1                       | X     | A             | TVNB             |
| Tartaric Acid             | -        | -     | 2      | 2                   | -                              | -     | 1                       | 1                       | A     | A             | TVNB             |
| Titanium Tetrachloride    | X        | X     | X      | 2                   | 2                              | 2     | -                       | 2                       | X     | X             | TV               |
| Toluene                   | 1        | 1     | 1      | 1                   | 1                              | 1     | 1                       | 1                       | A     | X             | TVB              |
| Tetrahydrofuran           | X        | -     | 2      | 1                   | 1                              | -     | 1                       | 2                       | A     | X             | T                |
| Tomato Juice              | 2        | -     | 3      | 2                   | 3                              | 2     | 2                       | 2                       | X     | A             | TEVNB            |
| Trichloroethylene         | 1        | -     | 2      | 1                   | 2                              | -     | -                       | -                       | A     | X             | TV               |
| Triethanolamine           | 2        | X     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | A     | X             | TEVN             |
| Triethylamine             | -        | -     | -      | -                   | -                              | 2     | 2                       | 2                       | A     | X             | TVB              |
| Trisodium Phosphate (10%) | X        | 2     | -      | 1                   | 2                              | 2     | 1                       | 1                       | A     | A             | TVNB             |
| Turpentine                | 2        | X     | 2      | 2                   | 2                              | 1     | 1                       | 1                       | X     | X             | TVB              |
| Urea (50%)                | 2        | -     | 2      | -                   | 2                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Urine                     | -        | -     | -      | -                   | 2                              | -     | 1                       | 1                       | X     | A             | TEVNB            |
| Vinegar                   | X        | X     | 2      | 2                   | 2                              | 2     | 2                       | 2                       | X     | A             | TEVN             |
| Water Acid (Mine)         | X        | X     | X      | 1                   | X                              | -     | -                       | -                       | X     | A             | TEVNB            |
| Water (Distilled)         | X        | 2     | 2      | 1                   | X                              | X     | 2                       | 2                       | A     | A             | TEVNB            |
| Water (Sea)               | 2        | 2     | 2      | 1                   | X                              | 2     | 2                       | 2                       | A     | A             | TEVNB            |
| Whiskey                   | X        | 2     | 2      | 1                   | 2                              | 2     | 1                       | 1                       | X     | A             | TEVNB            |
| White Liquor (Pulp)       | 2        | -     | X      | 2                   | X                              | X     | 2                       | 2                       | X     | A             | TEVNB            |
| Wine                      | X        | 2     | 2      | 1                   | X                              | 2     | 1                       | 1                       | X     | A             | TEVNB            |
| Xylene                    | 2        | 2     | 2      | 1                   | 2                              | 2     | 2                       | 2                       | A     | X             | TV               |
| Zinc                      |          |       |        |                     |                                |       |                         |                         |       |               |                  |
| Zinc Chloride             | X        | X     | X      | 2                   | X                              | -     | X                       | 2                       | A     | A             | TEVNB            |
| Zinc Nitrate              | -        | -     | -      | -                   | -                              | -     | 2                       | 2                       | X     | A             | TEVNB            |
| Zinc Sulfate (50%)        | X        | 2     | 2      | 2                   | X                              | 2     | 1                       | 1                       | X     | A             | TEVNB            |

Ratings given are based at 70°F (21°C).



## Measures of Pressure

1 Pound Per Square Inch = 144 Pounds Per Square Foot = 0.068 Atmosphere = 2.042 Inches of Mercury at 62°F = 27.7 Inches of Water at 62°F = 2.31 Feet of Water at 62°F.

1 Atmosphere = 30 Inches of Mercury at 62°F = 14.7 Pounds Per Square Inch = 2116.3 Pounds Per Square Foot = 33.95 Feet of Water at 62°F.

1 Foot of Water at 62°F = 62.355 Pounds Per Square Foot = 0.433 Pounds Per Square Inch.

1 Inch of Mercury at 62°F = 1.132 Feet of Water = 13.58 Inches of Water = 0.491 Pounds Per Square Inch.

Column of Water 12 Inches High, 1 Inch in Diameter = .341 Pounds

If temperature is kept constant, the volume of a given mass of gas is inversely proportional to the pressure which is exerted upon it.

## Length Conversion Constants

Millimeters x .039370 = Inches

Meters x 39.370 = Inches

Meters x 3.2808 = Feet

Meters x 1.09361 = Yards

Kilometers x 3,280.8 = Feet

Kilometers x .62137 = Statute Mile

Kilometers x .53959 = Nautical Miles

Inches x 25.4001 = Millimeters

Inches x .0254 = Meters

Feet x .30480 = Meters

Yards x .91440 = Meters

Feet x .0003048 = Kilometers

Statute Miles x 1.60935 = Kilometers

Nautical Miles x 1.85325 = Kilometers

## Weight Conversion Constants

Grams x .03527 = Ounces (Avd.)

Grams x .033818 = Fluid Ounces (Water)

Kilograms x 35.27 = Ounces (Avd.)

Kilograms x 2.20462 = Pounds (Avd.)

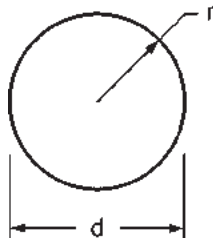
Ounces (Avd.) x 28.35 = Grams

Fluid Ounces (Water) x 29.57 = Grams

Ounces (Avd.) x .02835 = Kilograms

Pounds (Avd.) x .45359 = Kilograms

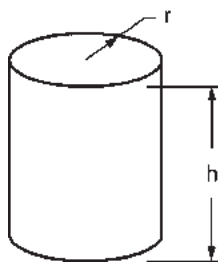
## Circumference of a Circle



$$\text{Circumference} = 2\pi r = \pi d = 3.14159 d$$

$$\text{Area} = \pi r^2 = \pi \frac{d^2}{4} = .78539 d^2$$

## Right Cylinder



$r$  = radius

$h$  = length

$$\text{Volume} = \pi r^2 h$$

$$\text{Surface Area} = 2\pi r (r + h)$$

If end planes are parallel but not at 90° to  $h$ , the same formulas apply, but a slice at 90° through the cylinder must be used to determine  $r$ .

## Temperature Conversions

Look up reading in middle column (shaded). If in degrees Centigrade, read Fahrenheit equivalent in right-hand column; if in degrees Fahrenheit, read Centigrade equivalent in left-hand column.

| °C    | °F   | °C    |
|-------|------|-------|
| -73   | -100 | -148  |
| -68   | -90  | -130  |
| -62   | -80  | -112  |
| -57   | -70  | -94   |
| -51   | -60  | -76   |
| -46   | -50  | -58   |
| -40   | -40  | -40   |
| -34   | -30  | -22   |
| -29   | -20  | -4    |
| -23   | -10  | 14    |
| -17.8 | 0    | 32    |
| -17.2 | 1    | 33.8  |
| -16.7 | 2    | 35.6  |
| -16.1 | 3    | 37.4  |
| -15.6 | 4    | 39.2  |
| -15.0 | 5    | 41.0  |
| -14.4 | 6    | 42.8  |
| -13.9 | 7    | 44.6  |
| -13.3 | 8    | 46.4  |
| -12.8 | 9    | 48.2  |
| -12.2 | 10   | 50.0  |
| -11.7 | 11   | 51.8  |
| -11.1 | 12   | 53.6  |
| -10.6 | 13   | 55.4  |
| -10.0 | 14   | 57.2  |
| -9.4  | 15   | 59.0  |
| -8.9  | 16   | 60.8  |
| -8.3  | 17   | 62.6  |
| -7.8  | 18   | 64.4  |
| -7.2  | 19   | 66.2  |
| -6.7  | 20   | 68.0  |
| -6.1  | 21   | 69.8  |
| -5.6  | 22   | 71.6  |
| -5.0  | 23   | 73.4  |
| -4.4  | 24   | 75.2  |
| -3.9  | 25   | 77.0  |
| -3.3  | 26   | 78.8  |
| -2.8  | 27   | 80.6  |
| -2.2  | 28   | 82.4  |
| -1.7  | 29   | 84.2  |
| -1.1  | 30   | 86.0  |
| -.6   | 31   | 87.8  |
| 0     | 32   | 89.6  |
| .6    | 33   | 91.4  |
| 1.1   | 34   | 93.2  |
| 1.7   | 35   | 95.0  |
| 2.2   | 36   | 96.8  |
| 2.8   | 37   | 98.6  |
| 3.3   | 38   | 100.4 |
| 3.9   | 39   | 102.2 |
| 4.4   | 40   | 104.0 |

| °C   | °F | °C    |
|------|----|-------|
| 5.0  | 41 | 105.8 |
| 5.6  | 42 | 107.6 |
| 6.1  | 43 | 109.4 |
| 6.7  | 44 | 111.2 |
| 7.2  | 45 | 113.0 |
| 7.8  | 46 | 114.8 |
| 8.3  | 47 | 116.6 |
| 8.9  | 48 | 118.4 |
| 9.4  | 49 | 120.2 |
| 10.0 | 50 | 122.0 |
| 10.6 | 51 | 123.8 |
| 11.1 | 52 | 125.6 |
| 11.7 | 53 | 127.4 |
| 12.2 | 54 | 129.2 |
| 12.8 | 55 | 131.0 |
| 13.3 | 56 | 132.8 |
| 13.9 | 57 | 134.6 |
| 14.4 | 58 | 136.4 |
| 15.0 | 59 | 138.2 |
| 15.6 | 60 | 140.0 |
| 16.1 | 61 | 141.8 |
| 16.7 | 62 | 143.6 |
| 17.2 | 63 | 145.4 |
| 17.8 | 64 | 147.2 |
| 18.3 | 65 | 149.0 |
| 18.9 | 66 | 150.8 |
| 19.4 | 67 | 152.6 |
| 20.0 | 68 | 154.4 |
| 20.6 | 69 | 156.2 |
| 21.1 | 70 | 158.0 |
| 21.7 | 71 | 159.8 |
| 22.2 | 72 | 161.6 |
| 22.8 | 73 | 163.4 |
| 23.3 | 74 | 165.2 |
| 23.9 | 75 | 167.0 |
| 24.4 | 76 | 168.8 |
| 25.0 | 77 | 170.6 |
| 25.6 | 78 | 172.4 |
| 26.1 | 79 | 174.2 |
| 26.7 | 80 | 176.0 |
| 27.2 | 81 | 177.8 |
| 27.8 | 82 | 179.6 |
| 28.3 | 83 | 181.4 |
| 28.9 | 84 | 183.2 |
| 29.4 | 85 | 185.0 |
| 30.0 | 86 | 186.8 |
| 30.6 | 87 | 188.6 |
| 31.1 | 88 | 190.4 |
| 31.7 | 89 | 192.2 |
| 32.2 | 90 | 194.0 |
| 32.8 | 91 | 195.8 |

| °C   | °F  | °C    |
|------|-----|-------|
| 33.3 | 92  | 197.6 |
| 33.9 | 93  | 199.4 |
| 34.4 | 94  | 201.2 |
| 35.0 | 95  | 203.0 |
| 35.6 | 96  | 204.8 |
| 36.1 | 97  | 206.6 |
| 36.7 | 98  | 208.4 |
| 37.2 | 99  | 210.2 |
| 37.8 | 100 | 212.0 |
| 43   | 110 | 230   |
| 49   | 120 | 248   |
| 54   | 130 | 266   |
| 60   | 140 | 284   |
| 66   | 150 | 302   |
| 71   | 160 | 320   |
| 77   | 170 | 338   |
| 82   | 180 | 356   |
| 88   | 190 | 374   |
| 93   | 200 | 392   |
| 99   | 210 | 410   |
| 100  | 212 | 413.6 |
| 104  | 220 | 428   |
| 110  | 230 | 446   |
| 116  | 240 | 464   |
| 121  | 250 | 482   |
| 127  | 260 | 500   |
| 132  | 270 | 518   |
| 138  | 280 | 536   |
| 143  | 290 | 554   |
| 149  | 300 | 572   |
| 154  | 310 | 590   |
| 160  | 320 | 608   |
| 166  | 320 | 626   |
| 170  | 338 | 640   |
| 171  | 340 | 644   |
| 177  | 350 | 662   |
| 182  | 360 | 680   |
| 186  | 366 | 691   |
| 188  | 370 | 698   |
| 193  | 380 | 716   |
| 198  | 388 | 730   |
| 199  | 390 | 734   |
| 204  | 400 | 752   |
| 208  | 406 | 763   |
| 210  | 410 | 770   |
| 216  | 420 | 788   |
| 221  | 430 | 806   |
| 227  | 440 | 824   |
| 232  | 450 | 842   |



## Steam Temperature and Pressure Conversion Guide

## Temperature - Pressure Equivalents of Saturated Steam Gauge Pressure at Sea Level

- Degrees Celsius = 5/9 (Degrees F - 32)

Safety &amp; Technical

| Temperature |       | Lbs. per Sq. Inch | Temperature |       | Lbs. per Sq. Inch | Temperature |       | Lbs. per Sq. Inch |
|-------------|-------|-------------------|-------------|-------|-------------------|-------------|-------|-------------------|
| °F          | °C    |                   | °F          | °C    |                   | °F          | °C    |                   |
| 212         | 100.0 | 0.0               | 286         | 141.1 | 39.4              | 336         | 168.9 | 97.1              |
| 214         | 101.1 | 0.6               | 287         | 141.7 | 40.3              | 337         | 169.4 | 98.7              |
| 216         | 102.2 | 1.2               | 288         | 142.2 | 41.1              | 338         | 170.0 | 100.2             |
| 218         | 103.3 | 1.8               | 289         | 142.8 | 42.0              | 339         | 170.6 | 101.8             |
| 220         | 104.4 | 2.5               | 290         | 143.3 | 42.9              | 340         | 171.1 | 103.3             |
| 222         | 105.6 | 3.2               | 291         | 143.9 | 43.8              | 341         | 171.7 | 105.0             |
| 224         | 106.7 | 3.9               | 292         | 144.4 | 44.7              | 342         | 172.2 | 106.5             |
| 226         | 107.8 | 4.6               | 293         | 145.0 | 45.6              | 343         | 172.8 | 108.2             |
| 228         | 108.9 | 5.3               | 294         | 145.6 | 46.5              | 344         | 173.3 | 109.8             |
| 230         | 110.0 | 6.1               | 295         | 146.1 | 47.5              | 345         | 173.9 | 111.5             |
| 232         | 111.1 | 6.9               | 296         | 146.7 | 48.4              | 346         | 174.4 | 113.1             |
| 234         | 112.2 | 7.7               | 297         | 147.2 | 49.4              | 347         | 175.0 | 114.8             |
| 236         | 113.3 | 8.5               | 298         | 147.8 | 50.3              | 348         | 175.6 | 116.5             |
| 238         | 114.4 | 9.4               | 299         | 148.3 | 51.3              | 349         | 176.1 | 118.2             |
| 240         | 115.6 | 10.3              | 300         | 148.9 | 52.3              | 350         | 176.7 | 119.9             |
| 242         | 116.7 | 11.2              | 301         | 149.4 | 53.4              | 352         | 177.8 | 123.5             |
| 244         | 117.8 | 12.1              | 302         | 150.0 | 54.4              | 354         | 178.9 | 127.1             |
| 246         | 118.9 | 13.1              | 303         | 150.6 | 55.4              | 356         | 180.0 | 130.8             |
| 248         | 120.0 | 14.1              | 304         | 151.1 | 56.4              | 358         | 181.1 | 134.5             |
| 250         | 121.1 | 15.1              | 305         | 151.7 | 57.5              | 360         | 182.2 | 138.3             |
| 252         | 122.2 | 16.2              | 306         | 152.2 | 58.6              | 362         | 183.3 | 142.3             |
| 254         | 123.3 | 17.3              | 307         | 152.8 | 59.7              | 364         | 184.4 | 146.2             |
| 256         | 124.4 | 18.4              | 308         | 153.3 | 60.7              | 366         | 185.6 | 150.3             |
| 258         | 125.6 | 19.6              | 309         | 153.9 | 61.9              | 368         | 186.7 | 154.4             |
| 260         | 126.7 | 20.7              | 310         | 154.4 | 63.0              | 370         | 187.8 | 158.7             |
| 261         | 127.2 | 21.4              | 311         | 155.0 | 64.2              | 372         | 188.9 | 163.0             |
| 262         | 127.8 | 22.0              | 312         | 155.6 | 65.3              | 374         | 190.0 | 167.4             |
| 263         | 128.3 | 22.6              | 313         | 156.1 | 66.5              | 376         | 191.1 | 171.9             |
| 264         | 128.9 | 23.2              | 314         | 156.7 | 67.6              | 378         | 192.2 | 176.4             |
| 265         | 129.4 | 23.9              | 315         | 157.2 | 68.8              | 380         | 193.3 | 181.1             |
| 266         | 130.0 | 24.5              | 316         | 157.8 | 70.0              | 382         | 194.4 | 185.8             |
| 267         | 130.6 | 25.2              | 317         | 158.3 | 71.3              | 384         | 195.6 | 190.6             |
| 268         | 131.1 | 25.8              | 318         | 158.9 | 72.5              | 386         | 196.7 | 195.6             |
| 269         | 131.7 | 26.5              | 319         | 159.4 | 73.7              | 388         | 197.8 | 200.6             |
| 270         | 132.2 | 27.2              | 320         | 160.0 | 75.0              | 390         | 198.9 | 205.7             |
| 271         | 132.8 | 27.9              | 321         | 160.6 | 76.3              | 392         | 200.0 | 210.9             |
| 272         | 133.3 | 28.6              | 322         | 161.1 | 77.5              | 394         | 201.1 | 216.2             |
| 273         | 133.9 | 29.3              | 323         | 161.7 | 78.8              | 396         | 202.2 | 221.5             |
| 274         | 134.4 | 30.0              | 324         | 162.2 | 80.1              | 398         | 203.3 | 227.0             |
| 275         | 135.0 | 30.8              | 325         | 162.8 | 81.5              | 400         | 204.4 | 232.6             |
| 276         | 135.6 | 31.5              | 326         | 163.3 | 82.8              | 402         | 205.5 | 238.0             |
| 277         | 136.1 | 32.3              | 327         | 163.9 | 84.2              | 404         | 206.7 | 244.0             |
| 278         | 136.7 | 33.0              | 328         | 164.4 | 85.6              | 406         | 207.8 | 250.0             |
| 279         | 137.2 | 33.8              | 329         | 165.0 | 87.0              | 408         | 208.9 | 256.0             |
| 280         | 137.8 | 34.5              | 330         | 165.6 | 88.4              | 410         | 210.0 | 262.0             |
| 281         | 138.3 | 35.3              | 331         | 166.1 | 89.8              | 412         | 211.1 | 268.0             |
| 282         | 138.9 | 36.1              | 332         | 166.7 | 91.2              | 414         | 212.2 | 275.0             |
| 283         | 139.4 | 36.9              | 333         | 167.2 | 92.7              | 416         | 213.3 | 281.0             |
| 284         | 140.0 | 37.7              | 334         | 167.8 | 94.1              | 418         | 214.4 | 288.0             |
| 285         | 140.6 | 38.6              | 335         | 168.3 | 95.6              | 420         | 215.6 | 294.0             |

## Pressure Conversions

100 PSI = 6.9 Bars  
 250 PSI = 17.25 Bars  
 600 PSI = 41.4 Bars

5 Bars = 72.5 PSI  
 10 Bars = 145 PSI  
 25 Bars = 362.5 PSI

## Pressure - Temperature Ratings

- Ratings apply to all products covered by ANSI B16.5 valves conforming to the requirements of this standard must, in other respects, merit these ratings.
- All ratings are maximum allowable non-shock pressures (PSIG) at the tabulated temperatures (degree Fahrenheit). Temperatures are those on the inside of the pressure retaining structure.
- The use of these ratings requires gaskets conforming to the requirements of ANSI B16.5. The user is responsible for selecting gaskets of dimensions and materials to withstand the required bolt loading without injurious crushing, and suitable for the service conditions in all other respects.

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| Pressure Class      | 150              | 300  |
|---------------------|------------------|------|
| Test Pressure       | 425              | 1100 |
| Service Temperature | Working Pressure |      |
| -20 to 100          | 275              | 720  |
| 150                 | 255              | 710  |
| 200                 | 240              | 700  |
| 250                 | 225              | 690  |
| 300                 | 210              | 680  |
| 350                 | 195              | 675  |
| 400                 | 180              | 665  |
| 450                 | 165              | 650  |
| 500                 | 150              | 625  |
| 550                 | 140              | 590  |
| 600                 | 130              | 555  |
| 650                 | 120              | 515  |
| 700                 | 110              | 470  |
| 750                 | 100              | 425  |

## Air Velocity in a Pipe

Using the equation and typical values of V, D and L explained to the right approximate values of P are computed as follows:

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| Velocity<br>Ft / Sec | Pipe Diameter in Inches, 10' long |       |       |        |        |
|----------------------|-----------------------------------|-------|-------|--------|--------|
|                      | 1                                 | 2     | 4     | 6      | 10     |
| 1                    | .0004                             | .0002 | .0001 | .00007 | .00004 |
| 2                    | .0016                             | .0008 | .0004 | .00030 | .00016 |
| 5                    | .0100                             | .0050 | .0025 | .00170 | .0010  |
| 10                   | .0400                             | .0200 | .0100 | .00670 | .0040  |
| 15                   | .0900                             | .0450 | .0225 | .01500 | .0090  |
| 20                   | .1600                             | .0800 | .0400 | .02700 | .0160  |
| 25                   | .2500                             | .1250 | .0625 | .04170 | .0250  |
| 30                   | .3600                             | .1800 | .0900 | .06000 | .0360  |

$$V = \sqrt{\frac{25,000 DP}{L}}$$

V = air velocity in feet per second

D = pipe inside diameter in inches

L = length of pipe in feet

P = pressure loss due to air friction in ounces/square inch

## Air Volume Discharged from Pipe

CFM = air volume in cubic feet per minute

V = air velocity in feet per second as determined in the equation at the top of this page

$$CFM = 60VA$$

A = cross section area of pipe in square feet

## Boyle's Law

If temperature is kept constant, the volume of a given mass of gas is inversely proportional to the pressure which is exerted upon it.

$$\frac{\text{Initial Pressure}}{\text{Final Pressure}} =$$

$$\frac{\text{Final Volume}}{\text{Initial Volume}}$$

## Air Supply Requirements (operating pressure: 90 PSI)

| Tool                 | Class         | Typical Air Consumption (CFM) | Hose Size (inches) |             |              |
|----------------------|---------------|-------------------------------|--------------------|-------------|--------------|
|                      |               |                               | 0 - 10 ft.         | 10 - 50 ft. | 50 - 200 ft. |
| Paving breakers      | 25 lb.        | 45                            | 1/2"               | 1/2"        | 3/4"         |
|                      | 35 lb.        | 50                            | 1/2"               | 3/4"        | 3/4"         |
|                      | 60 lb.        | 65                            | 1/2"               | 3/4"        | 1"           |
|                      | 80 lb.        | 80                            | 3/4"               | 3/4"        | 1"           |
| Clay diggers         |               | 45                            | 1/2"               | 1/2"        | 3/4"         |
| Hand drills          | 8 lb.         | 20                            | 3/8"               | 3/8"        | 1/2"         |
|                      | 15 lb.        | 32                            | 3/8"               | 1/2"        | 1/2"         |
| Rock (sinker) drills | 45 lb.        | 105                           | 3/4"               | 3/4"        | 1"           |
|                      | 55 lb.        | 130                           | 3/4"               | 1"          | 1"           |
| Tampers              | 5" butt       | 20                            | 3/8"               | 1/2"        | 1/2"         |
|                      | 6" butt       | 30                            | 1/2"               | 1/2"        | 3/4"         |
| Sump pump            | 3 HP          | 100                           | 3/4"               | 3/4"        | 1"           |
| Sludge pump          | Ejector       | 90                            | 1"                 | 1"          | 1"           |
| Vibrators            | 2-1/2"        | 60                            | 1"                 | 1"          | 1"           |
|                      | 3"            | 60                            | 1"                 | 1"          | 1"           |
| Chipping hammers     |               | 25                            | 3/8"               | 1/2"        | 1/2"         |
| Impact wrenches      | 3/8" sq. dr.  | 10                            | 5/16"              | 3/8"        | 3/8"         |
|                      | 1/2"          | 15                            | 5/16"              | 3/8"        | 1/2"         |
|                      | 3/4"          | 25                            | 3/8"               | 1/2"        | 1/2"         |
|                      | 1"            | 50                            | 1/2"               | 3/4"        | 3/4"         |
| Drills               | 1/4" - 1/2"   | 22                            | 3/8"               | 3/8"        | 1/2"         |
| Grinders             | die / burr    | 20                            | 3/8"               | 3/8"        | 1/2"         |
|                      | small angle   | 20                            | 3/8"               | 3/8"        | 1/2"         |
|                      | 3 HP vertical | 75                            | 1/2"               | 3/4"        | 1"           |

## CFM vs PSI for Nozzles

- PSI = pounds/square inch
- CFM = cubic feet/minute

| Gauge<br>PSI | CFM Free Air Flow @ Nozzle Diameter (inches) |       |      |       |       |       |        |        |
|--------------|--|-------|------|-------|-------|-------|--------|--------|
|              | 1/64   | 1/32  | 3/64 | 1/16  | 3/32  | 1/8   | 3/16   | 1/4    |
| 1            | .03"   | .11"  | .2"  | .4"   | 1.0"  | 1.7"  | 3.9"   | 6.8"   |
| 5            | .06"   | .24"  | .5"  | 1.0"  | 2.2"  | 3.9"  | 8.7"   | 15.4"  |
| 10           | .08"   | .34"  | .8"  | 1.4"  | 3.1"  | 5.4"  | 12.3"  | 21.8"  |
| 15           | .10"   | .42"  | .9"  | 1.6"  | 3.7"  | 6.6"  | 15.0"  | 26.7"  |
| 20           | .12"   | .48"  | 1.1" | 1.9"  | 4.2"  | 7.7"  | 17.1"  | 30.8"  |
| 25           | .13"   | .54"  | 1.2" | 2.2"  | 4.7"  | 8.6"  | 19.4"  | 34.5"  |
| 30           | .16"   | .63"  | 1.4" | 2.5"  | 5.6"  | 10.0" | 22.5"  | 40.0"  |
| 40           | .19"   | .77"  | 1.7" | 3.1"  | 6.8"  | 12.3" | 27.5"  | 49.1"  |
| 50           | .22"   | .91"  | 2.0" | 3.6"  | 8.2"  | 14.5" | 32.8"  | 58.2"  |
| 60           | .26"   | 1.05" | 2.3" | 4.2"  | 9.4"  | 16.8" | 37.5"  | 67.0"  |
| 70           | .29"   | 1.19" | 2.7" | 4.8"  | 10.7" | 19.0" | 43.0"  | 76.0"  |
| 80           | .33"   | 1.33" | 3.0" | 5.3"  | 11.9" | 21.2" | 47.5"  | 85.0"  |
| 90           | .36"   | 1.47" | 3.3" | 5.9"  | 13.1" | 23.5" | 52.5"  | 94.0"  |
| 100          | .40"   | 1.61" | 3.7" | 6.4"  | 14.5" | 25.8" | 58.3"  | 103.0" |
| 110          | .43"   | 1.76" | 3.9" | 7.0"  | 15.7" | 28.0" | 63.0"  | 112.0" |
| 120          | .47"   | 1.90" | 4.3" | 7.6"  | 17.0" | 30.2" | 68.0"  | 121.0" |
| 130          | .50"   | 2.04" | 4.6" | 8.1"  | 18.2" | 32.4" | 73.0"  | 130.0" |
| 140          | .54"   | 2.17" | 4.9" | 8.7"  | 19.5" | 34.5" | 78.0"  | 138.0" |
| 150          | .57"   | 2.33" | 5.2" | 9.2"  | 20.7" | 36.7" | 83.0"  | 147.0" |
| 175          | .66"   | 2.65" | 5.9" | 10.6" | 23.8" | 42.1" | 95.0"  | 169.0" |
| 200          | .76"   | 3.07" | 6.9" | 12.2" | 27.5" | 48.7" | 110.0" | 195.0" |

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## Air Receiver Capacities

| Tank<br>Size<br>(inches) | Tank<br>Size<br>(gallons) | Gauge Pressure on Tank (PSI) |     |     |     |
|--------------------------|---------------------------|------------------------------|-----|-----|-----|
|                          |                           | 0                            | 100 | 150 | 200 |
|                          |                           | Cubic Feet Tank Capacity     |     |     |     |
| 12 x 24                  | 10                        | 1.3                          | 11  | 15  | 19  |
| 14 x 36                  | 20                        | 2.7                          | 21  | 30  | 39  |
| 16 x 36                  | 30                        | 4.0                          | 31  | 45  | 59  |
| 20 x 48                  | 60                        | 8.0                          | 62  | 90  | 117 |
| 20 x 63                  | 80                        | 10.7                         | 83  | 120 | 156 |
| 24 x 68                  | 120                       | 16.0                         | 125 | 180 | 234 |
| 30 x 84                  | 240                       | 32.0                         | 250 | 360 | 467 |

If your tank is not listed in the table to the left, use the following formula to calculate the tank size (gallons) and then estimate the cubic feet tank capacity at a given pressure from the table above.

$$\text{Tank Gallons} = \frac{\text{Tank Height} \times (\text{Tank Radius})^2}{73.53}$$

Height and Radius are in inches

## Air Hose Friction

- PSI = pressure in pounds/square inch
- CFM = air flow in cubic feet/minute

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| Hose Size<br>(inches) | CFM thru<br>50' Hose | Gauge Pressure - Pounds/sq inch |      |      |      |
|-----------------------|----------------------|---------------------------------|------|------|------|
|                       |                      | 50                              | 70   | 90   | 110  |
|                       |                      | PSI Loss Over 50' Hose Length   |      |      |      |
| 1/2"                  | 20                   | 1.8                             | 1.0  | .8   | .6   |
|                       | 30                   | 5.0                             | 3.4  | 2.4  | 2.0  |
|                       | 40                   | 10.1                            | 7.0  | 5.4  | 4.3  |
|                       | 50                   | 18.1                            | 12.4 | 9.5  | 7.6  |
|                       | 60                   | +                               | 20.0 | 14.8 | 12.0 |
|                       | 70                   | +                               | 28.4 | 22.0 | 17.6 |
|                       | 80                   | +                               | +    | 30.5 | 24.6 |
|                       | 90                   | +                               | +    | 41.0 | 33.3 |
|                       | 10                   | +                               | +    | +    | 44.5 |
|                       | 110                  | +                               | +    | +    | +    |
| 3/4"                  | 20                   | .04                             | .2   | .2   | .1   |
|                       | 30                   | .08                             | .5   | .4   | .3   |
|                       | 40                   | 1.5                             | .9   | .7   | .5   |
|                       | 50                   | 2.4                             | 1.5  | 1.1  | .9   |
|                       | 60                   | 3.5                             | 2.3  | 1.6  | 1.3  |
|                       | 70                   | 4.4                             | 3.2  | 2.3  | 1.8  |
|                       | 80                   | 6.5                             | 4.2  | 3.1  | 2.4  |
|                       | 90                   | 8.5                             | 5.5  | 4.0  | 3.1  |
|                       | 100                  | 11.4                            | 7.0  | 5.0  | 3.9  |
|                       | 110                  | 14.2                            | 8.8  | 6.2  | 4.9  |
|                       | 120                  | +                               | 11.0 | 7.5  | 5.9  |
|                       | 130                  | +                               | +    | 9.0  | 7.1  |
|                       | 1"                   | 20                              | .1   | 0    | 0    |
| 30                    |                      | .2                              | .1   | .1   | .1   |
| 40                    |                      | .3                              | .2   | .2   | .2   |
| 50                    |                      | .5                              | .4   | .3   | .2   |
| 60                    |                      | .8                              | .5   | .4   | .3   |
| 70                    |                      | 1.1                             | .7   | .6   | .4   |
| 80                    |                      | 1.5                             | 1.0  | .7   | .6   |
| 90                    |                      | 2.0                             | 1.3  | .9   | .7   |
| 100                   |                      | 2.6                             | 1.6  | 1.2  | .9   |
| 110                   |                      | 3.5                             | 2.0  | 1.4  | 1.1  |
| 120                   |                      | 4.8                             | 2.5  | 1.7  | 1.3  |
| 130                   |                      | 7.0                             | 3.1  | 2.0  | 1.5  |

+ pressure loss is too great and therefore the combination of hose size, CFM, and gauge pressure is not recommended. Gauge pressures the indicated air pressure in pounds/square inch, at the source (i.e. the air compressor receiver tank)

## Maximum Recommended Air Flow (SCFM) Through ANSI Standard Weight Schedule 40 Metal Pipe

- Flow values in the table below are based on a pressure drop of 10% of the applied pressure per 100 feet of pipe for 1/8", 1/4", 3/8", and 1/2" pipe sizes; and a pressure drop of 5% of the applied pressure per 100 feet of pipe for 3/4", 1", 1 1/4", 2", 2 1/2", 3" pipe sizes. The table gives recommended flows for pipe sizes at listed pressures and should be used to determine appropriate piping for air systems.

| Applied Pressure<br>PSI | Nominal Standard Pipe Size |      |      |       |       |     |        |        |      |        |      |
|-------------------------|----------------------------|------|------|-------|-------|-----|--------|--------|------|--------|------|
|                         | 1/8"                       | 1/4" | 3/8" | 1/2"  | 3/4"  | 1"  | 1 1/4" | 1 1/2" | 2"   | 2 1/2" | 3"   |
| 5                       | 0.5                        | 1.2  | 2.7  | 4.9   | 6.6   | 13  | 27     | 40     | 80   | 135    | 240  |
| 10                      | 0.8                        | 1.7  | 3.9  | 7.7   | 11.0  | 21  | 44     | 64     | 125  | 200    | 370  |
| 20                      | 1.3                        | 3.0  | 6.6  | 13.0  | 18.5  | 35  | 75     | 110    | 215  | 350    | 600  |
| 40                      | 2.5                        | 5.5  | 12.0 | 23.0  | 34.0  | 62  | 135    | 200    | 385  | 640    | 1100 |
| 60                      | 3.5                        | 8.0  | 18.0 | 34.0  | 50.0  | 93  | 195    | 290    | 560  | 900    | 1600 |
| 80                      | 4.7                        | 10.5 | 23.0 | 44.0  | 65.0  | 120 | 255    | 380    | 720  | 1200   | 2100 |
| 100                     | 5.8                        | 13.0 | 29.0 | 54.0  | 80.0  | 150 | 315    | 470    | 900  | 1450   | 2600 |
| 150                     | 8.6                        | 20.0 | 41.0 | 80.0  | 115.0 | 220 | 460    | 680    | 1350 | 2200   | 3900 |
| 200                     | 11.5                       | 26.0 | 58.0 | 108.0 | 155.0 | 290 | 620    | 910    | 1750 | 2800   | 5000 |
| 250                     | 14.5                       | 33.0 | 73.0 | 135.0 | 200.0 | 370 | 770    | 1150   | 2200 | 3500   | 6100 |

**Safety &  
Technical**

## Suggested Pipe Size for Compressed Air Flow at 100 PSI Length of Run, Feet

| SCFM<br>Air Flow | 25    | 50    | 75    | 100   | 150   | 200   | 300   | 500   | 1000  | Compressor<br>HP |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| 4                | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 3/4   | 3/4   | 1                |
| 12               | 1/2   | 1/2   | 1/2   | 3/4   | 3/4   | 1/2   | 3/4   | 1     | 1     | 3                |
| 20               | 3/4   | 3/4   | 3/4   | 3/4   | 1     | 3/4   | 1     | 1 1/4 | 1 1/4 | 5                |
| 30               | 3/4   | 3/4   | 1     | 1     | 1     | 1     | 1 1/4 | 1 1/4 | 1 1/4 | 7 1/2            |
| 40               | 3/4   | 1     | 1     | 1     | 1 1/4 | 1     | 1 1/4 | 1 1/2 | 1 1/2 | 10               |
| 60               | 1     | 1     | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/2 | 1 1/2 | 2     | 15               |
| 80               | 1     | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/2 | 1 1/4 | 1 1/2 | 2     | 2     | 20               |
| 100              | 1 1/4 | 1 1/4 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 2     | 2     | 2 1/2 | 25               |
| 120              | 1 1/4 | 1 1/2 | 1 1/2 | 1 1/2 | 2     | 1 1/2 | 2     | 2 1/2 | 2 1/2 | 30               |
| 160              | 1 1/4 | 1 1/2 | 1 1/2 | 2     | 2     | 1 1/2 | 2 1/2 | 2 1/2 | 3     | 40               |
| 200              | 1 1/2 | 2     | 2     | 2     | 2     | 2     | 2 1/2 | 3     | 3     | 50               |
| 240              | 1 1/2 | 2     | 2     | 2     | 2 1/2 | 2     | 2 1/2 | 3     | 3     | 60               |
| 300              | 2     | 2     | 2     | 2 1/2 | 2 1/2 | 2     | 3     | 3     | 3 1/2 | 75               |
| 400              | 2     | 2 1/2 | 2 1/2 | 2 1/2 | 3     | 2 1/2 | 3     | 3 1/2 | 4     | 100              |
| 500              | 2     | 2 1/2 | 2 1/2 | 3     | 3     | 2 1/2 | 3 1/2 | 3 1/2 | 4     | 125              |

On a compressed air distribution system, pressure losses greater than 3% are considered excessive, and a well-designed system having a steady rate of air flow is usually designed for not more than a 1% loss or 1 PSI for a 100 PSI system. The pipe size depends not only on the volume of air flow but how far it must be carried. To hold the distribution loss to 1 PSI, pipes of larger diameter must be used on longer runs to carry the same flow that can be handled by smaller pipes on shorter runs.

Figures in the body of the chart above are pipe sizes recommended on a 100 PSI system to carry air with less than 1 PSI loss. When measuring lengths of runs, add 5' of length for each pipe fitting. If carrying 120 PSI pressure these sizes will carry slightly more air than shown, or pressure loss will be slightly less than 1 PSI. If carrying 80 PSI pressure these pipes will carry slightly less air at 1 PSI pressure loss than shown in the chart.

The left column of the chart shows the volume of air to be carried. It is difficult to estimate the air flow volume to be carried in each leg of the distribution system. This varies with the application. On some applications, like in a large plant with many legs in the distribution system serving dozens of air-operated machines, the air usage may be at a fairly steady rate. Other applications, usually on small systems, may have to carry a high surge of air if several machines happen to be operated at the same time. Then there may be a period with almost no flow.

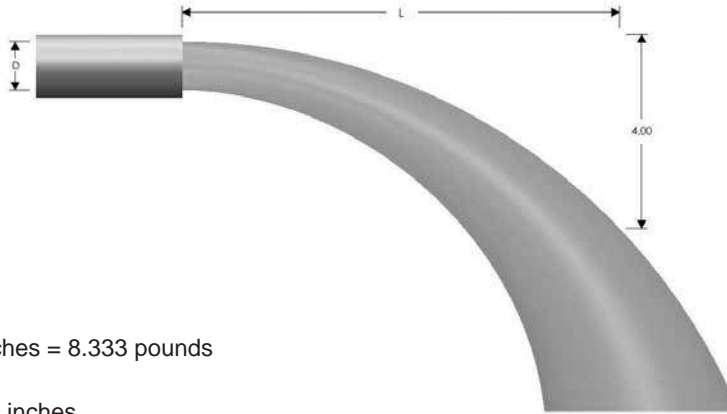
To make a realistic estimate of air flow volume, the far right column of the chart showing compressor HP may be used. On steady pumping, a compressor will produce a minimum of 4 SCFM air flow for each 1 HP of capacity. This is a conservative figure, as most compressors will produce 5 or 6 SCFM.

For example, a 25 HP compressor will produce at least 100 SCFM of air as shown in the far left column on the same line as 25 HP.

excerpted from *Industrial Fluid Power*, Volume 1, third edition, 1984



## Water Constants and Formulas



1 gallon water = 231 cubic inches = 8.333 pounds

1 pound of water = 27.7 cubic inches

1 cubic foot water = 7.5 gallons = 62.5 pounds (salt water weighs approximately 64.3 pounds per cubic foot)

Pounds per square inch at bottom of a column of water = height of column in feet x .434

1 miner's inch = 9 to 12 gallons per minute

Horsepower to raise water

If pumping liquid other than water, multiply the gallons per minute below by the liquids specific gravity

Horsepower =  $\frac{\text{gallons per minute} \times \text{total head in feet}}{3960}$

Gallons per minute through a pipe

GPM =  $.0408 \times \text{pipe diameter inches}^2 \times \text{feet/minute water velocity}$

Weight of water in a pipe

Pounds water = pipe length feet x pipe diameter inches  $^2 \times .34$

| L<br>Distance<br>(inches) | Gallons per Minute Discharge for a Given<br>Nominal Pipe Diameter D (inches) |      |      |      |      |
|---------------------------|--|------|------|------|------|
|                           | 5  | 6    | 8    | 10   | 12   |
| 5                         | 163  | ---  | ---  | ---  | ---  |
| 6                         | 195  | 285  | ---  | ---  | ---  |
| 7                         | 228  | 334  | 580  | ---  | ---  |
| 8                         | 260  | 380  | 665  | 1060 | ---  |
| 9                         | 293  | 430  | 750  | 1190 | 1660 |
| 10                        | 326  | 476  | 830  | 1330 | 1850 |
| 11                        | 360  | 525  | 915  | 1460 | 2020 |
| 12                        | 390  | 570  | 1000 | 1600 | 2220 |
| 13                        | 425  | 620  | 1080 | 1730 | 2400 |
| 14                        | 456  | 670  | 1160 | 1860 | 2590 |
| 15                        | 490  | 710  | 1250 | 2000 | 2780 |
| 16                        | 520  | 760  | 1330 | 2120 | 2960 |
| 17                        | 550  | 810  | 1410 | 2260 | 3140 |
| 18                        | 590  | 860  | 1500 | 2390 | 3330 |
| 19                        | 620  | 910  | 1580 | 2520 | 3500 |
| 20                        | 650  | 950  | 1660 | 2660 | 3700 |
| 21                        | 685  | 1000 | 1750 | 2800 | 3890 |
| 22                        | 720  | 1050 | 1830 | 2920 | 4060 |
| 23                        | 750  | 1100 | 1910 | 3060 | 4250 |
| 24                        | ---  | 1140 | 2000 | 3200 | 4440 |

## Water Discharge Table

This table is intended for general reference and general applicability only, and should not be relied upon as the sole or precise source of information available with respect to the subject covered. The user should also refer to and follow manufacturer's specific instructions and recommendations with regard to such information, where they exist.

## Flow of water through 100 foot lengths of hose, Straight - Smooth Bore - US gallons per minute

| PSI at<br>Hose Inlet | Nominal Hose ID Diameters - Inches |     |     |     |      |      |      |       |
|----------------------|------------------------------------|-----|-----|-----|------|------|------|-------|
|                      | 1"                                 | 1¼" | 1½" | 2"  | 2½"  | 3"   | 4"   | 6"    |
| 20                   | 26                                 | 47  | 76  | 161 | 290  | 468  | 997  | 2895  |
| 30                   | 32                                 | 58  | 94  | 200 | 360  | 582  | 1240 | 3603  |
| 40                   | 38                                 | 68  | 110 | 234 | 421  | 680  | 1449 | 4209  |
| 50                   | 43                                 | 77  | 124 | 264 | 475  | 767  | 1635 | 4748  |
| 60                   | 47                                 | 85  | 137 | 291 | 524  | 846  | 1804 | 5239  |
| 75                   | 53                                 | 95  | 154 | 329 | 591  | 955  | 2035 | 5910  |
| 100                  | 62                                 | 112 | 180 | 384 | 690  | 1115 | 2377 | 6904  |
| 125                  | 70                                 | 126 | 203 | 433 | 779  | 1258 | 2681 | 7788  |
| 150                  | 77                                 | 139 | 224 | 478 | 859  | 1388 | 2958 | 8593  |
| 200                  | 90                                 | 162 | 262 | 558 | 1004 | 1621 | 3455 | 10038 |

Figures are to be used as a guide since the hose inside diameter tolerance, the type of fittings used, and orifice restriction all influence the actual discharge. Thus, variations plus or minus from the table may be obtained in actual service.

## Conversion Table - Feet of Water to Inches of Mercury

| Feet of Water     | 1   | 2   | 4   | 6   | 8   | 10  | 12   | 14   | 16   | 20   | 22   | 24   | 26   | 28   | 30   | 32   | 34   |
|-------------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| Inches of Mercury | 0.9 | 1.8 | 3.5 | 5.3 | 7.1 | 8.8 | 10.6 | 12.4 | 14.1 | 17.7 | 19.4 | 21.2 | 23.0 | 24.8 | 26.5 | 28.3 | 30.0 |

## Feet Head of Water to PSI

- One foot of water at 62°F = 0.433 PSI, to find the PSI for any feet head not given in the table, multiply the feet head by 0.433.

| Feet Head | Pounds per Square Inch |
|-----------|------------------------|
| 1         | 0.43                   |
| 2         | 0.87                   |
| 3         | 1.30                   |
| 4         | 1.73                   |
| 5         | 2.17                   |
| 6         | 2.60                   |
| 7         | 3.03                   |
| 8         | 3.46                   |
| 9         | 3.90                   |
| 10        | 4.33                   |
| 15        | 6.50                   |
| 20        | 8.66                   |
| 25        | 10.83                  |
| 30        | 12.99                  |
| 40        | 17.32                  |
| 50        | 21.65                  |
| 60        | 25.99                  |
| 70        | 30.32                  |
| 80        | 34.65                  |
| 90        | 38.98                  |
| 100       | 43.31                  |
| 110       | 47.64                  |
| 120       | 51.97                  |
| 130       | 56.30                  |
| 140       | 60.63                  |
| 150       | 64.96                  |
| 160       | 69.29                  |
| 170       | 73.63                  |
| 180       | 77.96                  |
| 200       | 86.62                  |
| 250       | 108.27                 |
| 300       | 129.93                 |
| 350       | 151.58                 |
| 400       | 173.24                 |
| 500       | 216.55                 |
| 600       | 259.85                 |
| 700       | 303.16                 |
| 800       | 346.47                 |
| 900       | 389.78                 |
| 1000      | 433.00                 |

## Pipe Threads

Pipe threads are either tapered or straight (parallel). The two styles may or may not be compatible. Refer to thread information chart on page 939.

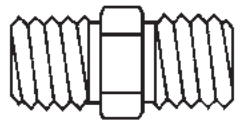


tapered threads

**Tapered threads**

Tapered threads are the most common type of thread available. As the name implies, they have a slight taper. When mated together and tightened, the threads compress and may form a seal. Usually a thread sealant is required. The mating threads both hold the fitting in place and seal the connection. The most widely used pipe threads in North America are NPT (National Pipe Taper). Some confusion may result from the use of NPT, FPT, and MPT in describing threads. Both FPT and MPT are NPT threads, with FPT meaning female threads (internal) and MPT meaning male threads (external).

NPTF (Dryseal) threads are modified NPT threads, which are less likely to leak without a sealant. For a leak-free seal, we recommend using a sealant compound or PTFE tape. You can use NPTF threads with NPT threads, but you'll lose some of the leak-free characteristics.



straight threads

**Straight threads**

Straight (parallel) threads are used for mechanical joining. They serve one purpose - to hold a fitting in place. As a result, an O-ring (elastomer), hard metal seal or a soft seat seal is required. Straight pipe threads include NPSM (National Pipe Straight Mechanical), and NPSH (National Pipe Straight Hose). Sizing and pitches may differ from the NPT threads

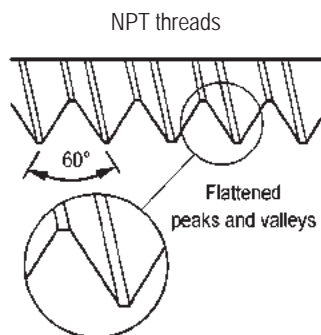
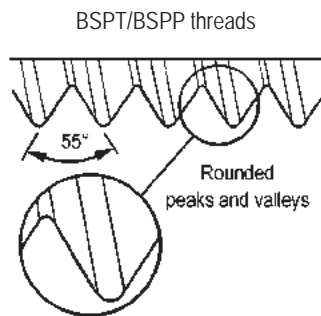
Less common straight threads are GHT (Garden Hose) and NST (fire hose coupling).

**NPT vs. BSP (British Standard Pipe)**

BSP threads are common in many countries outside the United States. BSP consists of two types of threads - BSPT (British Standard Pipe Taper) and BSPP (British Standard Pipe Parallel).

BSPT threads have a slight taper similar to NPT. BSPP threads are straight (parallel) threads and have the same thread angle, shape and threads per inch (pitch) as BSPT threads. *BSPT and BSPP threads should not be substituted for NPT threads.*

NPT and BSPT/BSPP threads have different angles, shape, and (in most cases) threads per inch (pitch). The thread angle is 60° for NPT threads; 55° for BSPT/BSPP threads. NPT threads are flattened at the peaks and valleys, while BSPT/BSPP threads are rounded.



| Nominal<br>Pipe Size | Threads per inch |             |
|----------------------|------------------|-------------|
|                      | NPT              | BSPT / BSPP |
| 1/16"                | 27               | ---         |
| 1/8"                 | 27               | 28          |
| 1/4"                 | 18               | 19          |
| 3/8"                 | 18               | 19          |
| 1/2"                 | 14               | 14          |
| 3/4"                 | 14               | 14          |
| 1"                   | 11½              | 11          |
| 1-1/4"               | 11½              | 11          |
| 1-1/2"               | 11½              | 11          |
| 2"                   | 11½              | 11          |
| 2-1/2"               | 8                | 11          |
| 3"                   | 8                | 11          |
| 3-1/2"               | 8                | 11          |
| 4"                   | 8                | 11          |
| 5"                   | 8                | 11          |
| 6"                   | 8                | 11          |
| 8"                   | 8                | 11          |

## Identifying Threads

*It is important to identify the threads required before ordering couplings.*

Identifying threads can sometimes be the most difficult and frustrating part of coupling selection. However, without the right combination of threads, you may not provide a functional or safe connection.

The diameters, threads per inch (TPI) and thread pitch, etc. are necessary to completely identify a thread. Ring, plug and GO/NOGO gauges are required to accurately gauge or identify threads. In the field, in the absence of these gauges, thread leaf gauges can be used to identify the Threads Per Inch (TPI) and the thread pitch. On threads you have determined to be straight threads, a caliper can be used to measure the Outside Diameter of the male (ODM) or the Inside Diameter of the female (IDF). A caliper can also be used to take measurements of tapered thread diameters. However, these are more difficult to define because of the taper. Fortunately, there are few tapered threads to deal with and these can usually be identified from the nominal ODM and the TPI.

However, identifying the thread may not fully identify what is needed in a mating fitting. The application is the primary *limiting factor on the thread type used*. Dixon® offers products with a wide variety of threads used with hose, pipe and hydraulics.

When attempting to choose a fitting, it is always advisable to first identify the thread to which it must connect. This may entail checking with a fitting or equipment manufacturer.

*The fire hose thread specifications for some local municipal fire equipment and hydrants may vary according to local specifications. These can generally be most easily identified by contacting the local fire department responsible for the hydrant.* The most common thread used on fire equipment is National Standard Thread (NST), also known as National Hose thread (NH).

### When it is not possible to identify the thread:

1. Determine the number of threads per inch by measuring the distance from peak of thread to peak of thread across the largest number of whole threads. Then divide the number of threads by the measurement (this will provide the TPI).

2. Check to see if the thread is straight or tapered.

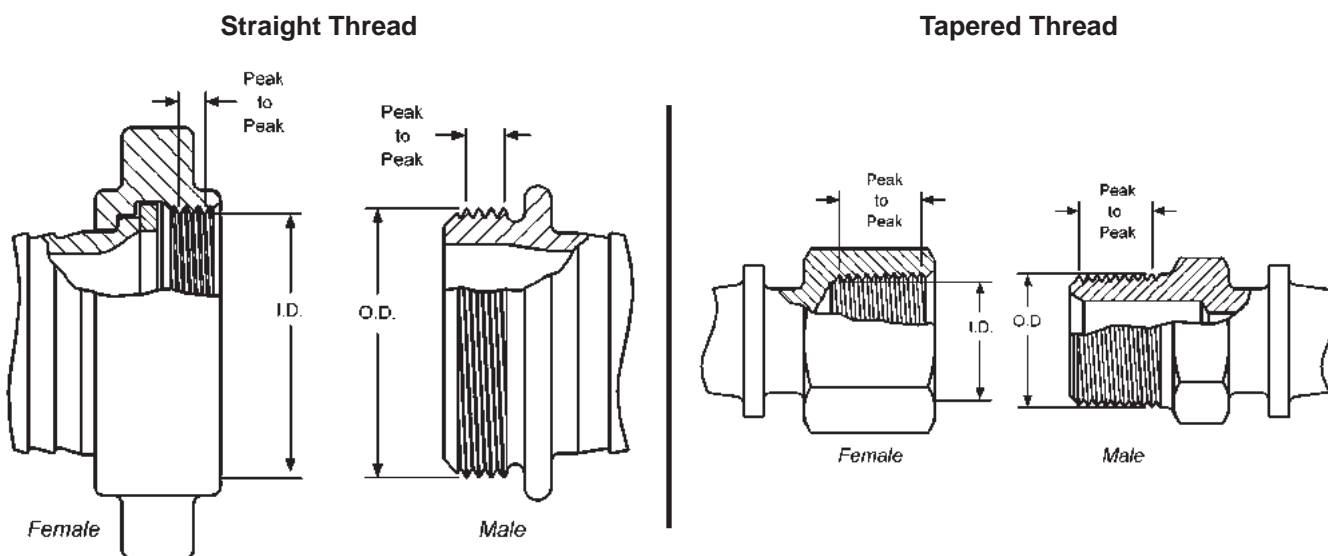
#### a) Straight Threads

Measure the Outside Diameter of the Male (ODM) or the Inside Diameter of the Female (IDF), from peak of thread to peak of thread.

#### b) Tapered Threads

Measure the Outside Diameter of the Male (ODM) at the large end and the small end, or the Inside Diameter of the Female (IDF) at the large end and the small end, from peak of thread to peak of thread. Then measure the Outside Diameter (OD) of the unthreaded pipe.

Once the application and these two pieces of information have been determined, the thread can generally be determined. When in doubt, call Dixon® at 800.355.1991.



| Abbreviation            | System Name   | Compatibility  | Seal Method  |
|-------------------------|---|--|--|
| <b>BSPP</b>             | <b>British Standard Pipe Parallel</b>   | male BSPP with female BSPP   | washer   |
|                         |   | female BSPP with male BSPP   | washer   |
|                         |   | female BSPP with male BSPT   | washer   |
| <b>BSPT<sub>r</sub></b> | <b>British Standard Pipe Taper</b>  | male BSPT <sub>r</sub> with female BSPT <sub>r</sub>   | thread   |
|                         |   | male BSPT <sub>r</sub> with female BSPP  | washer   |
|                         |   | female BSPT <sub>r</sub> with male BSPT <sub>r</sub>   | thread   |
|                         |   | <i>female BSPT<sub>r</sub> not compatible with male BSPP</i>   |  |
| <b>CHT</b>              | American Standard Fire Hose Thread (1" National Hose Thread is <b>C</b> hemical <b>H</b> ose <b>T</b> hread, also known as <b>B</b> ooster Hose Thread) | 1" male NH (NST) with 1" female NH (NST)   | washer   |
|                         |   | 1" female NH (NST) with 1" male NH (NST)   | washer   |
|                         |   | 1" thread is used on both ¾" hose & 1" hose  | not compatible   |
| <b>GHT</b>              | <b>Garden Hose Thread</b>   | male GHT with female GHT   | washer   |
|                         |   | female GHT with male GHT   | washer   |
|                         |   | thread is same for all size hose   | not compatible   |
| <b>IPS</b>              | <b>Iron Pipe Straight Thread</b>  | generic name for Straight Pipe Thread<br><i>see NPSH for compatibility</i>   | washer   |
| <b>IPT</b>              | <b>Iron Pipe Thread</b>   | generic name for All Pipe Thread   | more information required  |
| <b>JIC</b>              | <b>Joint Industrial Committee</b>   | used with other mating JIC threads   | mechanical   |
| <b>NH or NST</b>        | American Standard Fire Hose Coupling Thread ( <b>N</b> ational <b>H</b> ose thread also known as <b>N</b> ational <b>S</b> tandard Thread)              | male NH (NST) with female NH (NST)   | washer   |
|                         |   | female NH (NST) with male NH (NST)<br>thread pitch and diameters of fire threads may vary according to local and municipal regulations<br><i>not compatible with other systems</i> | washer   |
| <b>NPT</b>              | American Standard Taper Pipe Thread ( <b>N</b> ational <b>P</b> ipe <b>T</b> apered)  | male NPT with female NPT   | thread   |
|                         |   | male NPT with female NPTF  | thread   |
|                         |   | male NPT with female NPSM  | washer   |
|                         |   | male NPT with female NPSH  | washer   |
|                         |   | female NPT with male NPT   | thread   |
|                         |   | female NPT with male NPTF<br><i>female NPT not compatible with male NPSM or male NPSH</i>  | thread   |
| <b>NPTF</b>             | American Standard Taper Pipe Fuel Dryseal Thread ( <b>N</b> ational <b>P</b> ipe <b>T</b> apered <b>D</b> ryseal)                                       | male NPTF with female NPTF   | thread   |
|                         |   | male NPTF with female NPT  | thread   |
|                         |   | male NPTF with female NPSM   | washer   |
|                         |   | male NPTF with female NPSH   | washer   |
|                         |   | female NPTF with male NPTF   | thread   |
|                         |   | female NPTF with male NPT  | thread   |
|                         |   | female NPTF with male NPSM or NPSH<br><i>NPTF with NPTF threads do not require sealant for the initial use, after that, sealant is required</i>                                    | not compatible   |
| <b>NPSH</b>             | American Standard Straight Pipe for Hose Couplings ( <b>N</b> ational <b>P</b> ipe <b>S</b> traight <b>H</b> ose)                                       | male NPSH with female NPSH   | washer   |
|                         |   | female NPSH with male NPSH   | washer   |
|                         |   | female NPSH with male NPT  | washer   |
|                         |   | female NPSH with male NPTF   | washer   |
|                         |   | female NPSH with male NPSM   | washer   |
| <b>NPSM</b>             | American Standard Straight Mechanical Joints ( <b>N</b> ational <b>P</b> ipe <b>S</b> traight <b>M</b> echanical)                                       | male NPSM with female NPSM   | Seal can be either mechanical or washer. Mating fittings must be of same type. |
|                         |   | male NPSM with female NPSH   |  |
|                         |   | female NPSM with male NPSM   |  |
|                         |   | female NPSM with male NPT  |  |
|                         |   | female NPSM with male NPTF   |  |
| <b>SIPT</b>             | <b>Straight Iron Pipe Thread</b>  | generic name for Straight Pipe Thread  | washer   |
| <b>TIPT</b>             | <b>Tapered Iron Pipe Thread</b>   | generic name for Tapered Pipe Thread   | thread   |
| <b>NYFD</b>             | <b>NYFD Fire Department</b>   | straight thread used in New York City  | washer   |
| <b>Chicago</b>          | <b>Chicago Fire Department</b>  | straight thread used in Chicago  | washer   |

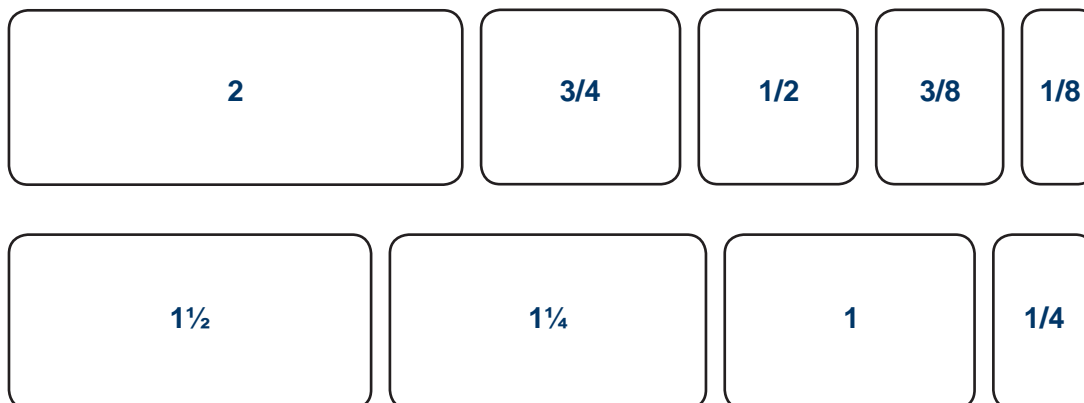
## Thread Chart for Hydraulic Fittings

| Dash Size                  | 2       | 4       | 6        | 8        | 10     | 12        | 16        | 20           | 24           | 32       | 40   | 48  |
|----------------------------|---------|---------|----------|----------|--------|-----------|-----------|--------------|--------------|----------|------|-----|
| JIC 37 degree Flare Thread | 5/16-24 | 7/16-20 | 9/16-18  | 3/4-16   | 7/8-14 | 1 1/16-12 | 1 5/16-12 | 1 5/8-12     | 1 7/8-12     | 2 1/2-12 | ---  | --- |
| SAE O-ring Thread          | ---     | 7/16-20 | 9/16-18  | 3/4-16   | 7/8-14 | 1 1/16-12 | 1 5/16-12 | 1 5/8-12     | 1 7/8-12     | 2 1/2-12 | ---  | --- |
| NPTF Pipe Thread           | 1/8-27  | 1/4-18  | 3/8-18   | 1/2-14   | ---    | 3/4-14    | 1-11 1/2  | 1 1/4-11 1/2 | 1 1/2-11 1/2 | 2-11 1/2 | ---  | --- |
| NPSM Swivel Thread         | ---     | 1/4-18  | 3/8-18   | 1/2-14   | ---    | 3/4-14    | 1-11 1/2  | 1 1/4-11 1/2 | 1 1/2-11 1/2 | 2-11 1/2 | ---  | --- |
| Flat Face Thread           | ---     | 9/16-18 | 11/16-16 | 13/16-16 | 1-14   | 1 3/16-12 | 1 7/16-12 | ---          | ---          | ---      | ---  | --- |
| Code 61 Flange Head OD     | ---     | ---     | ---      | 1.19     | ---    | 1.50      | 1.75      | 2.00         | 2.38         | 2.81     | 3.31 | 4.0 |
| Code 62 Flange Head OD     | ---     | ---     | ---      | 1.25     | ---    | 1.62      | 1.88      | 2.12         | 2.50         | 3.12     | ---  | --- |
| British Thread BSPP/BSPT   | ---     | 1/4-19  | 3/8-19   | 1/2-14   | ---    | 3/4-14    | 1-11      | ---          | ---          | ---      | ---  | --- |

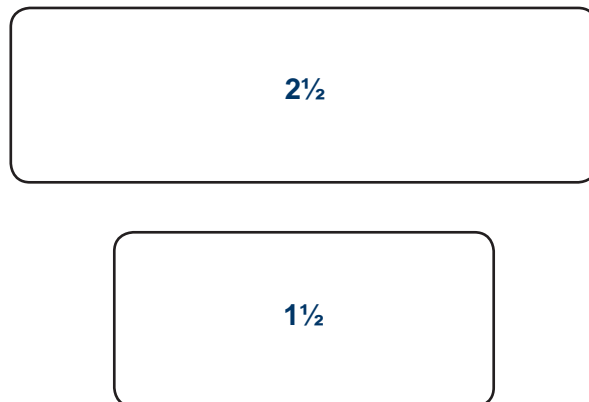
Safety &amp; Technical

## Fittings Size Chart

## Male NPT Thread Sizes



## Male NST Thread Sizes





## Thread Dimensions

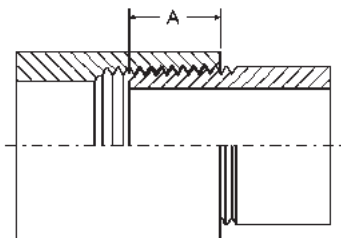
## Nominal Dimensions of Standard Threads

- ODM = Outside Diameter of the male
- IDF = Inside Diameter of the female
- TPI = Threads Per Inch
- GHT (¾") -- 1.0625 ODM, 11-½ TPI
- Female NPT (Tapered Pipe) thread is not available on hose swivel nuts

| Size | Pipe OD | Tapered Threads |                   | Straight Threads |           |           |      |           |           |          |           |           |      |           |           |
|------|---------|-----------------|-------------------|------------------|-----------|-----------|------|-----------|-----------|----------|-----------|-----------|------|-----------|-----------|
|      |         | NPT             | BSPT <sub>r</sub> | NPSH             |           |           | NPSM |           |           | NST (NH) |           |           | BSPP |           |           |
|      |         | TPI             | TPI               | TPI              | ODM (max) | IDF (min) | TPI  | ODM (max) | IDF (min) | TPI      | ODM (max) | IDF (min) | TPI  | ODM (max) | IDF (min) |
| ⅛"   | .405    | 27.0            | 28                |                  |           |           | 27.0 | 0.397     | 0.358     |          |           |           |      | 0.383     | 0.337     |
| ¼"   | .540    | 18.0            | 19                |                  |           |           | 18.0 | 0.526     | 0.468     |          |           |           |      | 0.516     | 0.450     |
| ⅜"   | .675    | 18.0            | 19                |                  |           |           | 18.0 | 0.662     | 0.603     |          |           |           |      | 0.656     | 0.588     |
| ½"   | .840    | 14.0            | 14                | 14.0             | 0.8248    | 0.7395    | 14.0 | 0.823     | 0.747     |          |           |           |      | 0.825     | 0.733     |
| ¾"   | 1.050   | 14.0            | 14                | 14.0             | 1.0353    | 0.9500    | 14.0 | 1.034     | 0.958     |          |           |           |      | 1.041     | 0.950     |
| 1"   | 1.315   | 11.5            | 11                | 11.5             | 1.2951    | 1.1921    | 11.5 | 1.293     | 1.201     | 8.0      | 1.375     | 1.2246    | 11   | 1.309     | 1.193     |
| 1¼"  | 1.660   | 11.5            | 11                | 11.5             | 1.6399    | 1.5369    | 11.5 | 1.638     | 1.546     |          |           |           | 11   | 1.650     | 1.534     |
| 1½"  | 1.900   | 11.5            | 11                | 11.5             | 1.8788    | 1.7758    | 11.5 | 1.877     | 1.785     | 9.0      | 1.990     | 1.8577    | 11   | 1.882     | 1.766     |
| 2"   | 2.375   | 11.5            | 11                | 11.5             | 2.3528    | 2.2498    | 11.5 | 2.351     | 2.259     |          |           |           | 11   | 2.347     | 2.231     |
| 2½"  | 2.875   | 8.0             | 11                | 8.0              | 2.8434    | 2.6930    | 8.0  | 2.841     | 2.708     | 7.5      | 3.068     | 2.9104    | 11   | 2.960     | 2.844     |
| 3"   | 3.500   | 8.0             | 11                |                  |           |           | 8.0  | 3.467     | 3.334     | 6.0      | 3.623     | 3.5306    | 11   | 3.460     | 3.344     |
| 4"   | 4.500   | 8.0             | 11                |                  |           |           | 8.0  | 4.466     | 4.333     | 4.0      | 5.010     | 4.7111    | 11   | 4.450     | 4.334     |
| 4½"  |         |                 |                   |                  |           |           |      |           |           | 4.0      | 5.760     | 5.4611    |      |           |           |
| 5"   | 5.563   | 8.0             | 11                |                  |           |           | 8.0  | 5.528     | 5.395     | 4.0      | 6.260     | 5.9602    | 11   | 5.450     | 5.359     |
| 6"   | 6.625   | 8.0             | 11                |                  |           |           | 8.0  | 6.585     | 6.452     | 4.0      | 7.025     | 6.7252    | 11   | 6.450     | 6.359     |
| 8"   | 8.625   | 8.0             |                   |                  |           |           |      |           |           |          |           |           |      |           |           |
| 10"  | 10.750  | 8.0             |                   |                  |           |           |      |           |           |          |           |           |      |           |           |
| 12"  | 12.750  | 8.0             |                   |                  |           |           |      |           |           |          |           |           |      |           |           |

## Normal Engagement Length of NPT Thread in Inches (A)

- Dimensions given do not allow for variations in tapping or threading.



| Thread Size | Dimension A |
|-------------|-------------|
| 1/8"        | 1/4"        |
| 1/4"        | 3/8"        |
| 3/8"        | 3/8"        |
| 1/2"        | 1/2"        |
| 3/4"        | 9/16"       |
| 1"          | 11/16"      |
| 1-1/4"      | 11/16"      |
| 1-1/2"      | 11/16"      |
| 2"          | 3/4"        |
| 2-1/2"      | 15/16"      |
| 3"          | 1"          |
| 4"          | 1-1/8"      |
| 5"          | 1-1/4"      |
| 6"          | 1-5/16"     |
| 8"          | 1-7/16"     |
| 10"         | 1-5/8"      |
| 12"         | 1-3/4"      |

## Thread Sealing Tips

**Thread Sealing Tips**

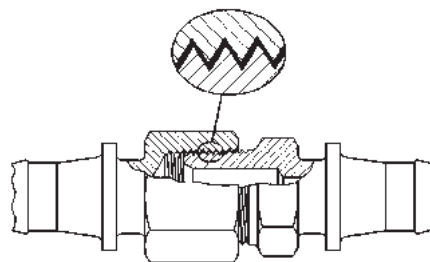
Sealing NPT threads can be an exasperating experience if certain techniques are not followed. The following tips will help alleviate many common problems in thread sealing:

1. Always use some type of sealant (tape or paste) and apply sealant to male thread only. If using a hydraulic sealant, allow sufficient curing time before system is pressurized.
2. When using tape sealant, wrap the threads in a clockwise motion starting at the first thread and, as layers are applied, work towards the imperfect (vanishing) thread. If the system that the connection being made to cannot tolerate foreign matter (i.e. air systems), leave the first thread exposed and apply the tape sealant as outlined above.
3. When using paste sealant, apply to threads with a brush, using the brush to work the sealant into the threads. Apply enough sealant to fill in all the threads all the way around.
4. When connecting one stainless steel part to another stainless steel part that will require future disassembly, use a thread sealant that is designed for stainless steel (see page 787). This stainless steel thread sealant is also useful when connecting aluminum to aluminum that needs to be disconnected in the future. These two materials gall easily, and if the correct sealant is not used, it can be next to impossible to disassemble.
5. When connecting parts made of dissimilar metals (i.e. steel and aluminum), standard tape or paste sealant performs satisfactory.
6. For sizes 2" and below, tape or paste performs satisfactory. When using thread tape, four wraps (covering all necessary threads) is usually sufficient.
7. For sizes 2½" and above, thread paste is recommended. If thread tape is used, eight wraps (covering all necessary threads) is usually sufficient. Apply more wraps if necessary.
8. For stubborn to seal threads, apply a normal coating of thread paste followed by a normal layer of thread tape.
9. For extremely stubborn to seal threads, apply a normal coating of thread paste followed by a single layer of gauze bandage followed by a normal layer of thread tape.

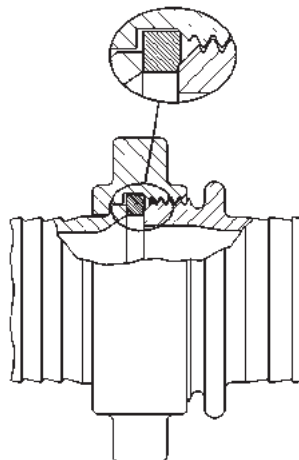
**Caution!**

When this procedure is done, the connection becomes permanent. Extreme measures will be necessary to disconnect these components. *All other measures to seal the threads should be explored prior to use of this technique.*

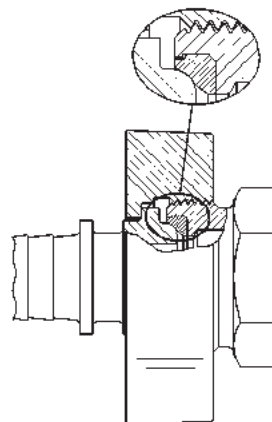
10. Over-tightening threads can be just as detrimental as insufficient tightening. For sizes 2" and below, hand tighten the components and, with a wrench, tighten 3 full turns. For sizes 2½" and above, hand tighten the components and, with a wrench, tighten 2 full turns.

**Thread Seal Type**

- A seal is obtained by applying a sealant to the male thread before engaging.
- The sealant is used to prevent spiral leakage.
- Thread tape or paste is the preferred sealant in this type of application.
- Please refer to page 902 for thread tape options.

**Washer Seal Type**

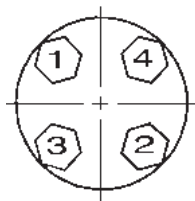
- A seal is obtained when the male thread is tightened down onto the washer of the female assembly.
- The washer should be inspected regularly and replaced as needed to prevent leakage.
- Please refer to pages 72 and 40 for replacement washers.

**Mechanical Seal Type**

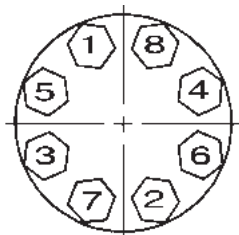
- A seal is obtained through metal to metal contact or metal to seal contact, i.e. JIC couplings (page 511) have a metal to metal seal. Boss™ Ground Joint couplings (pages 67-69) have a metal to seal contact (shown above).
- The couplings should be retightened as needed to prevent leakage.

## Flange Bolt Tightening Sequence

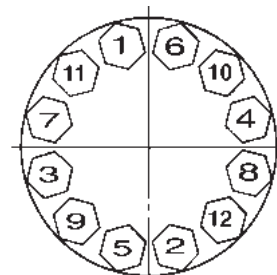
(Use appropriate gaskets and bolts)



4 Bolt



8 Bolt

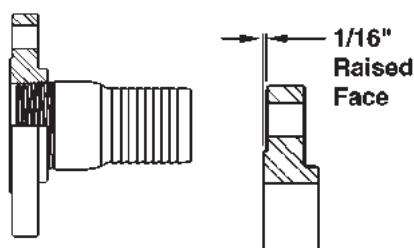


12 Bolt

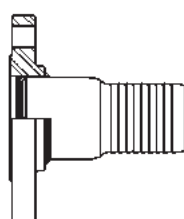
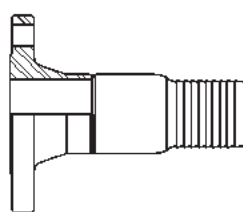
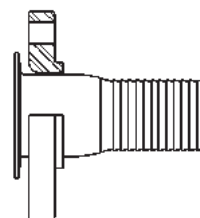
See page 945 for drilling dimensions

## Flange Diagrams

## Threaded Applications

Threaded Flange  
with raised face

## Welded Applications

Slip-On Flange  
with raised faceWeld Neck Flange  
with raised faceFloating Applications  
(flange free to swivel)Slip-On Flange  
with raised face

Lap-Joint Flange

## Dimensions of 150 LB. ASA Steel Flanges

| Nominal Pipe Size | Flange OD | Thickness <sup>1</sup> | OD of Raised Face | Diameter of Bolt Circle | Number of Bolts | Diameter of Bolt Holes | Diameter of Bolts |
|-------------------|-----------|------------------------|-------------------|-------------------------|-----------------|------------------------|-------------------|
| 1"                | 4-1/4"    | 9/16"                  | 2"                | 3-1/8"                  | 4               | 5/8"                   | 1/2"              |
| 1-1/4"            | 4.62"     | 5/8"                   | 2-1/2"            | 3-1/2"                  | 4               | 5/8"                   | 1/2"              |
| 1-1/2"            | 5"        | 11/16"                 | 2-7/8"            | 3-7/8"                  | 4               | 5/8"                   | 1/2"              |
| 2"                | 6"        | 3/4"                   | 3-5/8"            | 4-3/4"                  | 4               | 3/4"                   | 5/8"              |
| 2-1/2"            | 7"        | 7/8"                   | 4-1/8"            | 5-1/2"                  | 4               | 3/4"                   | 5/8"              |
| 3"                | 7-1/2"    | 15/16"                 | 5"                | 6"                      | 4               | 3/4"                   | 5/8"              |
| 4"                | 9"        | 15/16"                 | 6-3/16"           | 7-1/2"                  | 8               | 3/4"                   | 5/8"              |
| 5"                | 10"       | 15/16"                 | 7-5/16"           | 8-1/2"                  | 8               | 7/8"                   | 3/4"              |
| 6"                | 11"       | 1"                     | 8-1/2"            | 9-1/2"                  | 8               | 7/8"                   | 3/4"              |
| 8"                | 13-1/2"   | 1-1/8"                 | 10-5/8"           | 11-3/4"                 | 8               | 7/8"                   | 3/4"              |
| 10"               | 16"       | 1-3/16"                | 12-3/4"           | 14-1/4"                 | 12              | 1"                     | 7/8"              |
| 12"               | 19"       | 1 1/4"                 | 15"               | 17"                     | 12              | 1"                     | 7/8"              |

<sup>1</sup> 1/16" raised face is included in the thickness

## Dimensions of Tank Truck Flanges (TTMA Drilling)

| Nominal Pipe Size | Flange OD | Thickness <sup>1</sup> | Diameter of Bolt Circle | Number of Bolts | Diameter of Bolt Holes | Diameter of Bolts |
|-------------------|-----------|------------------------|-------------------------|-----------------|------------------------|-------------------|
| 3"                | 5-5/8"    | 3/8"                   | 4-7/8"                  | 8               | 7/16"                  | 3/8"              |
| 4"                | 6-5/8"    | 3/8"                   | 5-7/8"                  | 8               | 7/16"                  | 3/8"              |
| 6"                | 8-7/8"    | 3/8"                   | 8-1/8"                  | 12              | 7/16"                  | 3/8"              |

<sup>1</sup> listed thickness is for aluminum flanges

# ANSI Flange Dimensions

150 lb. Standard

| Nominal<br>Pipe<br>Size | Outside<br>Diameter<br>Flange | Flange<br>Thickness | Drill Template  |                   |                |
|-------------------------|-------------------------------|---------------------|-----------------|-------------------|----------------|
|                         |                               |                     | Number<br>Holes | Diameter<br>Bolts | Bolt<br>Circle |
| 1/2"                    | 3-1/2"                        | 7/16"               | 4               | 1/2"              | 2-3/8"         |
| 3/4"                    | 3-7/8"                        | 1/2"                | 4               | 1/2"              | 2-3/4"         |
| 1"                      | 4-1/4"                        | 9/16"               | 4               | 1/2"              | 3-1/8"         |
| 1-1/4"                  | 4-5/8"                        | 5/8"                | 4               | 1/2"              | 3-1/2"         |
| 1-1/2"                  | 5"                            | 11/16"              | 4               | 1/2"              | 3-7/8"         |
| 2"                      | 6"                            | 3/4"                | 4               | 5/8"              | 4-3/4"         |
| 2-1/2"                  | 7"                            | 7/8"                | 4               | 5/8"              | 5-1/2"         |
| 3"                      | 7-1/2"                        | 15/16"              | 4               | 5/8"              | 6"             |
| 3-1/2"                  | 8-1/2"                        | 15/16"              | 8               | 5/8"              | 7"             |
| 4"                      | 9"                            | 15/16"              | 8               | 5/8"              | 7-1/2"         |
| 5"                      | 10"                           | 15/16"              | 8               | 3/4"              | 8-1/2"         |
| 6"                      | 11"                           | 1"                  | 8               | 3/4"              | 9-1/2"         |
| 8"                      | 13-1/2"                       | 1-1/8"              | 8               | 3/4"              | 11-3/4"        |
| 10"                     | 16"                           | 1-3/16"             | 12              | 3/4"              | 14-1/4"        |
| 12"                     | 19"                           | 1-1/4"              | 12              | 3/4"              | 17"            |

300 lb. Standard

| Nominal<br>Pipe<br>Size | Outside<br>Diameter<br>Flange | Flange<br>Thickness | Drill Template  |                   |                |
|-------------------------|-------------------------------|---------------------|-----------------|-------------------|----------------|
|                         |                               |                     | Number<br>Holes | Diameter<br>Bolts | Bolt<br>Circle |
| 1/2"                    | 3-3/4"                        | 9/16"               | 4               | 1/2"              | 2-5/8"         |
| 3/4"                    | 4-5/8"                        | 5/8"                | 4               | 5/8"              | 3-1/4"         |
| 1"                      | 4-7/8"                        | 11/16"              | 4               | 5/8"              | 3-1/2"         |
| 1-1/4"                  | 5-1/4"                        | 3/4"                | 4               | 5/8"              | 3-7/8"         |
| 1-1/2"                  | 6-1/8"                        | 13/16"              | 4               | 3/4"              | 4-1/2"         |
| 2"                      | 6-1/2"                        | 7/8"                | 8               | 5/8"              | 5"             |
| 2-1/2"                  | 7-1/2"                        | 1"                  | 8               | 3/4"              | 5-7/8"         |
| 3"                      | 8-1/4"                        | 1-1/8"              | 8               | 3/4"              | 6-5/8"         |
| 3-1/2"                  | 9"                            | 1-3/16"             | 8               | 3/4"              | 7-1/4"         |
| 4"                      | 10"                           | 1-1/4"              | 8               | 3/4"              | 7-7/8"         |
| 5"                      | 11"                           | 1-3/8"              | 8               | 3/4"              | 9-1/4"         |
| 6"                      | 12-1/2"                       | 1-7/16"             | 12              | 3/4"              | 10-5/8"        |
| 8"                      | 15"                           | 1-5/8"              | 12              | 7/8"              | 13"            |
| 10"                     | 17-1/2"                       | 1-7/8"              | 16              | 1"                | 15-1/4"        |
| 12"                     | 20-1/2"                       | 2"                  | 16              | 1-1/8"            | 17-3/4"        |

600 lb. Standard

| Nominal<br>Pipe<br>Size | Outside<br>Diameter<br>Flange | Flange<br>Thickness | Drill Template  |                   |                |
|-------------------------|-------------------------------|---------------------|-----------------|-------------------|----------------|
|                         |                               |                     | Number<br>Holes | Diameter<br>Bolts | Bolt<br>Circle |
| 1/2"                    | 3-3/4"                        | 9/16"               | 4               | 5/8"              | 2-5/8"         |
| 3/4"                    | 4-5/8"                        | 5/8"                | 4               | 3/4"              | 3-1/4"         |
| 1"                      | 4-7/8"                        | 11/16"              | 4               | 3/4"              | 3-1/2"         |
| 1-1/4"                  | 5-1/4"                        | 13/16"              | 4               | 3/4"              | 3-7/8"         |
| 1-1/2"                  | 6-1/8"                        | 7/8"                | 4               | 7/8"              | 4-1/2"         |
| 2"                      | 6-1/2"                        | 1"                  | 8               | 3/4"              | 5"             |
| 2-1/2"                  | 7-1/2"                        | 1-1/8"              | 8               | 7/8"              | 5-7/8"         |
| 3"                      | 8-1/4"                        | 1-1/4"              | 8               | 7/8"              | 6-5/8"         |
| 3-1/2"                  | 9"                            | 1-3/8"              | 8               | 1"                | 7-1/4"         |
| 4"                      | 10-7/5"                       | 1-1/2"              | 8               | 1"                | 8-1/2"         |
| 5"                      | 13"                           | 1-3/4"              | 8               | 1-1/8"            | 10-1/2"        |
| 6"                      | 14"                           | 1-7/8"              | 12              | 1-1/8"            | 11-1/2"        |
| 8"                      | 16-1/2"                       | 2-3/16"             | 12              | 1-1/4"            | 13-3/4"        |
| 10"                     | 20"                           | 2-1/2"              | 16              | 1-3/8"            | 17"            |
| 12"                     | 22"                           | 2-5/8"              | 20              | 1-3/8"            | 19-1/4"        |

900 lb. Standard

| Nominal<br>Pipe<br>Size | Outside<br>Diameter<br>Flange | Flange<br>Thickness | Drill Template  |                   |                |
|-------------------------|-------------------------------|---------------------|-----------------|-------------------|----------------|
|                         |                               |                     | Number<br>Holes | Diameter<br>Bolts | Bolt<br>Circle |
| 1/2"                    | 4-3/4"                        | 7/8"                | 4               | 7/8"              | 3-1/4"         |
| 3/4"                    | 5-1/8"                        | 1"                  | 4               | 7/8"              | 3-1/2"         |
| 1"                      | 5-7/8"                        | 1-1/8"              | 4               | 1"                | 4"             |
| 1-1/4"                  | 6-1/4"                        | 1-1/8"              | 4               | 1"                | 4-3/8"         |
| 1-1/2"                  | 7"                            | 1-1/4"              | 4               | 1-1/8"            | 4-7/8"         |
| 2"                      | 8-1/2"                        | 1-1/2"              | 8               | 1"                | 6-1/2"         |
| 2-1/2"                  | 9-5/8"                        | 1-5/8"              | 8               | 1-1/8"            | 7-1/2"         |
| 3"                      | 9-1/2"                        | 1-1/2"              | 8               | 1"                | 7-1/2"         |
| 3-1/2"                  | 11-1/2"                       | 1-3/4"              | 8               | 1-1/4"            | 9-1/4"         |
| 4"                      | 13-3/4"                       | 2"                  | 8               | 1-3/8"            | 11"            |
| 6"                      | 15"                           | 2-3/16"             | 12              | 1-1/4"            | 12-1/2"        |
| 8"                      | 18-1/2"                       | 2-1/2"              | 12              | 1-1/2"            | 15-1/2"        |
| 10"                     | 21-1/2"                       | 2-3/4"              | 16              | 1-1/2"            | 18-1/2"        |
| 12"                     | 24"                           | 3-1/8"              | 20              | 1-1/2"            | 21"            |

Safety & Technical

## Dimensions of Seamless and Welded Steel Pipe ASA-B36.10 and B36.19

**Safety & Technical**

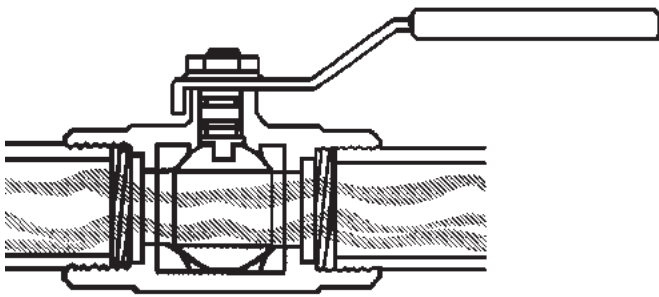
| Nominal<br>Pipe<br>Size | OD<br>(inches) | Pipe Schedule Wall Thickness |       |       |        |       |       |                 |       |       |       |       |       |               |
|-------------------------|----------------|------------------------------|-------|-------|--------|-------|-------|-----------------|-------|-------|-------|-------|-------|---------------|
|                         |                | 10                           | 20    | 30    | Stand. | 40    | 60    | Extra<br>Strong | 80    | 100   | 120   | 140   | 160   | XXX<br>Strong |
| 1/8"                    | 0.405          | 0.049                        | ---   | ---   | 0.068  | 0.068 | ---   | 0.095           | 0.095 | ---   | ---   | ---   | ---   | ---           |
| 1/4"                    | 0.540          | 0.065                        | ---   | ---   | 0.088  | 0.088 | ---   | 0.119           | 0.119 | ---   | ---   | ---   | ---   | ---           |
| 3/8"                    | 0.675          | 0.065                        | ---   | ---   | 0.091  | 0.091 | ---   | 0.126           | 0.126 | ---   | ---   | ---   | ---   | ---           |
| 1/2"                    | 0.840          | 0.083                        | ---   | ---   | 0.109  | 0.109 | ---   | 0.147           | 0.147 | ---   | ---   | ---   | 0.188 | 0.294         |
| 3/4"                    | 1.050          | 0.083                        | ---   | ---   | 0.113  | 0.113 | ---   | 0.154           | 0.154 | ---   | ---   | ---   | 0.219 | 0.308         |
| 1"                      | 1.315          | 0.109                        | ---   | ---   | 0.133  | 0.133 | ---   | 0.179           | 0.179 | ---   | ---   | ---   | 0.250 | 0.358         |
| 1 1/4"                  | 1.660          | 0.109                        | ---   | ---   | 0.140  | 0.140 | ---   | 0.191           | 0.191 | ---   | ---   | ---   | 0.250 | 0.382         |
| 1 1/2"                  | 1.900          | 0.109                        | ---   | ---   | 0.145  | 0.145 | ---   | 0.200           | 0.200 | ---   | ---   | ---   | 0.281 | 0.400         |
| 2"                      | 2.375          | 0.109                        | ---   | ---   | 0.154  | 0.154 | ---   | 0.218           | 0.218 | ---   | ---   | ---   | 0.344 | 0.436         |
| 2 1/2"                  | 2.875          | 0.120                        | ---   | ---   | 0.203  | 0.203 | ---   | 0.276           | 0.276 | ---   | ---   | ---   | 0.375 | 0.552         |
| 3"                      | 3.500          | 0.120                        | ---   | ---   | 0.216  | 0.216 | ---   | 0.300           | 0.300 | ---   | ---   | ---   | 0.438 | 0.600         |
| 3 1/2"                  | 4.000          | 0.120                        | ---   | ---   | 0.226  | 0.226 | ---   | 0.318           | 0.318 | ---   | ---   | ---   | ---   | ---           |
| 4"                      | 4.500          | 0.120                        | ---   | ---   | 0.237  | 0.237 | ---   | 0.337           | 0.337 | ---   | 0.438 | ---   | 0.531 | 0.674         |
| 5"                      | 5.563          | 0.134                        | ---   | ---   | 0.258  | 0.258 | ---   | 0.375           | 0.375 | ---   | 0.500 | ---   | 0.625 | 0.750         |
| 6"                      | 6.625          | 0.134                        | ---   | ---   | 0.280  | 0.280 | ---   | 0.432           | 0.432 | ---   | 0.562 | ---   | 0.719 | 0.864         |
| 8"                      | 8.625          | 0.148                        | 0.250 | 0.277 | 0.322  | 0.322 | 0.406 | 0.500           | 0.500 | 0.594 | 0.719 | 0.812 | 0.906 | 0.873         |
| 10"                     | 10.750         | 0.165                        | 0.250 | 0.307 | 0.365  | 0.365 | 0.500 | 0.500           | 0.594 | 0.719 | 0.844 | 1.000 | 1.125 | 1.000         |
| 12"                     | 12.750         | 0.180                        | 0.250 | 0.330 | 0.375  | 0.406 | 0.562 | 0.500           | 0.688 | 0.844 | 1.000 | 1.125 | 1.312 | 1.000         |

### Definitive Cross-Reference from NPS to DN Specification Sizes

| Nominal<br>Pipe<br>Size | DN  | OD<br>(inches) | Pipe Schedule Wall Thickness |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------------|-----|----------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                         |     |                | 5S                           | 5     | 10S   | 10    | 20    | 30    | 40S   | 40    | 60    | 80S   | 80    | 100   | 120   | 160   |
| ⅛"                      | 6   | 0.405          | ---                          | 0.035 | ---   | 0.049 | ---   | 0.057 | ---   | 0.068 | ---   | ---   | 0.095 | ---   | ---   | ---   |
| ¼"                      | 8   | 0.540          | ---                          | 0.049 | ---   | 0.065 | ---   | 0.073 | ---   | 0.088 | ---   | ---   | 0.119 | ---   | ---   | ---   |
| ½"                      | 15  | 0.840          | ---                          | 0.065 | ---   | 0.083 | ---   | 0.095 | ---   | 0.109 | ---   | ---   | 0.147 | ---   | 0.170 | 0.188 |
| ¾"                      | 20  | 1.050          | ---                          | 0.065 | ---   | 0.083 | ---   | 0.095 | ---   | 0.113 | ---   | ---   | 0.154 | ---   | 0.170 | 0.219 |
| 1"                      | 25  | 1.315          | ---                          | 0.065 | ---   | 0.109 | ---   | 0.114 | ---   | 0.133 | ---   | ---   | 0.179 | ---   | 0.200 | 0.250 |
| 1¼"                     | 32  | 1.660          | ---                          | 0.065 | ---   | 0.109 | ---   | 0.117 | ---   | 0.140 | ---   | ---   | 0.191 | ---   | 0.215 | 0.250 |
| 1½"                     | 40  | 1.900          | ---                          | 0.065 | ---   | 0.109 | ---   | 0.125 | ---   | 0.145 | ---   | ---   | 0.200 | ---   | 0.225 | 0.281 |
| 2"                      | 50  | 2.375          | ---                          | 0.065 | ---   | 0.109 | ---   | ---   | ---   | 0.154 | ---   | ---   | 0.218 | ---   | 0.250 | 0.344 |
| 2½"                     | 65  | 2.875          | ---                          | 0.083 | ---   | 0.120 | ---   | ---   | ---   | 0.203 | ---   | ---   | 0.276 | ---   | 0.300 | 0.375 |
| 3"                      | 80  | 3.500          | ---                          | 0.083 | ---   | 0.120 | ---   | ---   | ---   | 0.216 | ---   | ---   | 0.330 | ---   | 0.350 | 0.438 |
| 4"                      | 100 | 4.500          | ---                          | 0.083 | ---   | 0.120 | ---   | ---   | ---   | 0.237 | 0.281 | ---   | 0.377 | ---   | 0.437 | 0.531 |
| 5"                      | 125 | 5.563          | ---                          | 0.109 | ---   | 0.134 | ---   | ---   | ---   | 0.258 | ---   | ---   | 0.375 | ---   | 0.500 | 0.625 |
| 6"                      | 150 | 6.625          | ---                          | 0.109 | ---   | 0.134 | ---   | ---   | ---   | 0.280 | ---   | ---   | 0.432 | ---   | 0.562 | 0.719 |
| 8"                      | 200 | 8.625          | ---                          | 0.109 | ---   | 0.148 | 0.250 | 0.277 | ---   | 0.322 | 0.406 | ---   | 0.500 | 0.593 | 0.718 | 0.906 |
| 10"                     | 250 | 10.750         | 0.134                        | 0.134 | 0.165 | 0.165 | 0.250 | 0.307 | 0.365 | 0.365 | 0.500 | 0.500 | 0.593 | 0.718 | 0.843 | ---   |
| 12"                     | 300 | 12.750         | 0.156                        | 0.165 | 0.180 | 0.180 | 0.250 | 0.330 | 0.375 | 0.406 | 0.500 | 0.500 | 0.687 | 0.843 | 1.000 | ---   |

## Valve Selection Guide

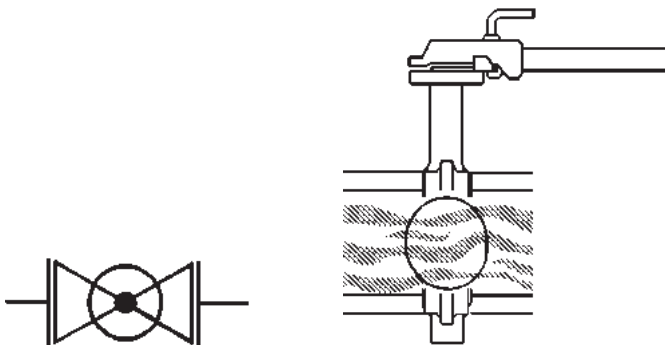
## Ball Valve



- can be used for on and off service or throttling
- when positive shut-off is necessary
- where a low valve profile is necessary
- only 90° rotation from open to fully closed (quick opening)
- Handle position is a quick indication of whether valve is open or closed.
- full port ball valves do not resist flow

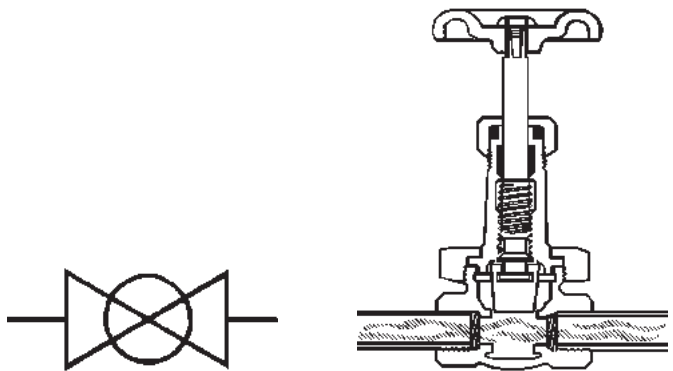
Safety &  
Technical

## Butterfly Valve



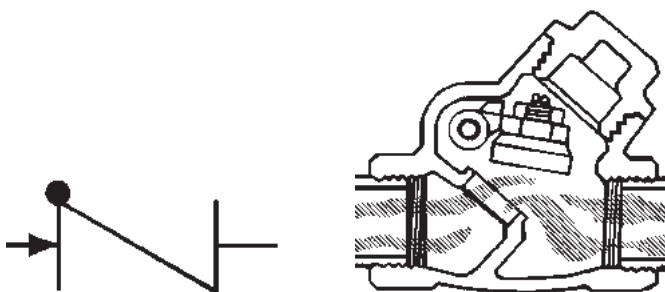
- where positive shut-off is necessary
- primarily for fully open or fully closed applications
- may be used for throttling
- only 90° rotation from open to fully closed
- lightweight
- easy to install
- less costly than an iron body gate valve

## Gate Valve



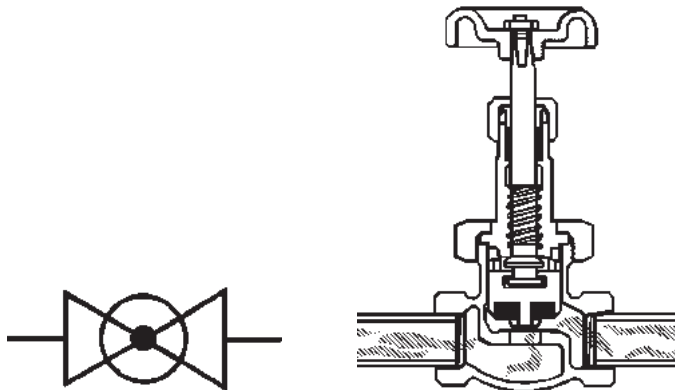
- for fully open or fully closed service - not for throttling
- for minimum line pressure drop
- for minimum fluid entrapment in the line
- for relatively infrequent operation

## Check Valve



- To control the direction of flow and for quick, automatic reactions to flow change. Swing check valves are used when a minimum resistance to flow is required.
- Swing check valves are recommended for use in conjunction with gate valves. They should not be used in a rapid recycling system such as reciprocating pumps or air compressor service where they could cause chatter and damaging vibration.

## Globe Valve



- for regulation (throttling) of flow
- for frequent operation; short stem travel reduces operator's time
- where some line resistance is acceptable

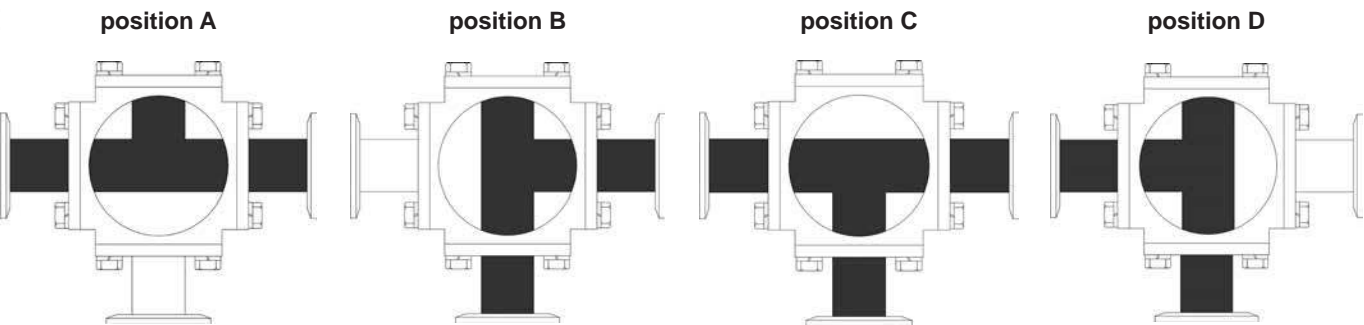


# 3-Way Ball Valve Flow Options

## 'T' Pattern, Side Entry

Top view

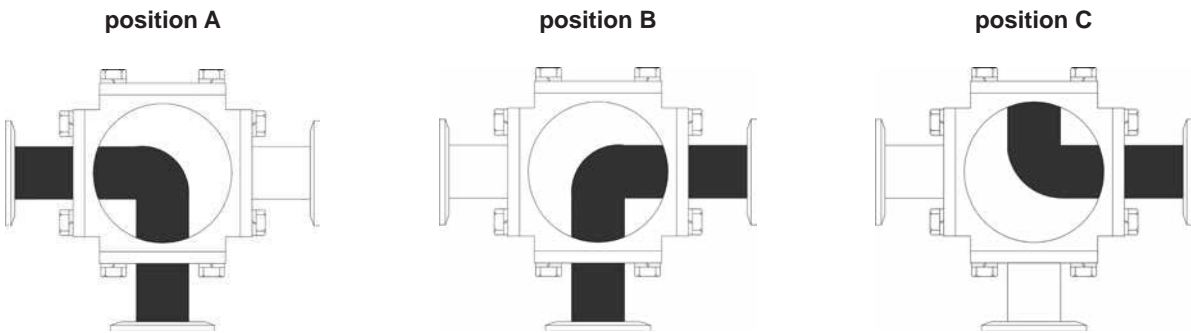
Safety & Technical



| Number | Rotation | Flow Plan Options |
|--------|----------|-------------------|
| 1      | 90°      | A, B              |
| 2      | 90°      | B, C              |
| 3      | 90°      | C, D              |
| 4      | 90°      | A, D              |
| 5      | 180°     | A, B, C           |
| 6      | 180°     | B, C, D           |
| 7      | 180°     | A, C, D           |
| 8      | 180°     | A, B, D           |

## 'L' Pattern, Side Entry

Top view



| Number | Rotation | Flow Plan Options |
|--------|----------|-------------------|
| 1      | 90°      | A, B              |
| 2      | 180°     | A, B, C           |

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