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DPL 418



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

Maximum



coupler x 11/2" or 2" female NPT



coupler x 3" female NPT

1½"         2"         2½"         Buna         150         DBC61-150         DBC71-150           2"         2½"         Buna         150         DBC61-200         DBC71-200           3"         4"         120         DBC61-300         DBC71-300           1½"         2"         210         DBC62-150         DBC72-150           2"         2½"         FKM         150         DBC62-200         DBC72-200           3"         4"         120         DBC62-300         DBC72-200           1½"         2"         PTFE         210         DBC63-150         DBC73-150           2"         2½"         Encapsulated         150         DBC63-200         DBC73-150           3"         4"         Silicone & FFPM         120         DBC63-300         DBC73-200           1½"         2"         2"         2½"         EPDM         150         DBC64-150         DBC74-150           2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC64-300         DBC74-300           1½"         2"         PTFE         150         DBC66-200         DBC76-300	Female NPT	Coupler Size	Seal Material	PSI at 70°F (21°C)	<i>Aluminum</i> Part #	Stainless Steel <sup>1</sup> Part #
3"         4"         120         DBC61-300         DBC71-300           1½"         2"         210         DBC62-150         DBC72-150           2"         2½"         FKM         150         DBC62-200         DBC72-200           3"         4"         120         DBC62-300         DBC72-300           1½"         2"         PTFE         210         DBC63-150         DBC73-150           2"         2½"         Encapsulated         150         DBC63-200         DBC73-200           3"         4"         Silicone & FFPM         120         DBC63-300         DBC73-200           3"         4"         Silicone & FFPM         120         DBC64-150         DBC73-300           1½"         2"         EPDM         150         DBC64-150         DBC74-150           2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC66-200         DBC74-300           1½"         2"         FFPM and PTFE 2         150         DBC66-200         DBC76-200           3"         4"         150         DBC66-200         DBC76-300           1½"         2"         PTFE	1½"	2"		210	DBC61-150	DBC71-150
1½"         2"         210         DBC62-150         DBC72-150           2"         2½"         FKM         150         DBC62-200         DBC72-200           3"         4"         120         DBC62-300         DBC72-300           1½"         2"         PTFE         210         DBC63-150         DBC73-150           2"         2½"         Encapsulated         150         DBC63-200         DBC73-200           3"         4"         Silicone & FFPM         120         DBC63-300         DBC73-300           1½"         2"         210         DBC64-150         DBC74-150           2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC64-300         DBC74-300           1½"         2"         FFPM and PTFE         210          DBC76-150           2"         2½"         FFPM and PTFE         150         DBC66-200         DBC76-200           3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-150           2"         2½"         Encapsulated         1	2"	2½"	Buna	150	DBC61-200	DBC71-200
2"         2½"         FKM         150         DBC62-200         DBC72-200           3"         4"         120         DBC62-300         DBC72-300           1½"         2"         PTFE         210         DBC63-150         DBC73-150           2"         2½"         Encapsulated         150         DBC63-200         DBC73-200           3"         4"         Silicone & FFPM         120         DBC63-300         DBC73-300           1½"         2"         210         DBC64-150         DBC74-150           2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC64-300         DBC74-300           1½"         2"         FFPM and PTFE         210          DBC76-150           2"         2½"         FFPM and PTFE         150         DBC66-200         DBC76-200           3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-150           2"         2½"         Encapsulated         150          DBC77-200           3"         4"         FKM & FF	3"	4"		120	DBC61-300	DBC71-300
3"         4"         120         DBC62-300         DBC72-300           1½"         2"         PTFE         210         DBC63-150         DBC73-150           2"         2½"         Encapsulated         150         DBC63-200         DBC73-200           3"         4"         Silicone & FFPM         120         DBC63-300         DBC73-300           1½"         2"         210         DBC64-150         DBC74-150           2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC64-300         DBC74-300           1½"         2"         FFPM and PTFE         210          DBC76-150           2"         2½"         FFPM and PTFE         150         DBC66-200         DBC76-200           3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-150           2"         2½"         Encapsulated         150          DBC77-200           3"         4"         FKM & FFKM         120          DBC77-300 <td>1½"</td> <td>2"</td> <td></td> <td>210</td> <td>DBC62-150</td> <td>DBC72-150</td>	1½"	2"		210	DBC62-150	DBC72-150
1½"         2"         PTFE         210         DBC63-150         DBC73-150           2"         2½"         Encapsulated         150         DBC63-200         DBC73-200           3"         4"         Silicone & FFPM         120         DBC63-300         DBC73-300           1½"         2"         210         DBC64-150         DBC74-150           2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC64-300         DBC74-300           1½"         2"         2"         DBC64-300         DBC76-150           2"         2½"         FFPM and PTFE²         150         DBC66-200         DBC76-200           3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-150           2"         2½"         Encapsulated         150          DBC77-200           3"         4"         FKM & FFKM         120          DBC77-300	2"	2½"	FKM	150	DBC62-200	DBC72-200
2"         2½"         Encapsulated Silicone & FFPM         150         DBC63-200         DBC73-200           3"         4"         Silicone & FFPM         120         DBC63-300         DBC73-300           1½"         2"         210         DBC64-150         DBC74-150           2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC64-300         DBC74-300           1½"         2"         FFPM and PTFE²         150         DBC66-200         DBC76-200           3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-300           1½"         2"         PTFE         210          DBC77-300           2"         2½"         Encapsulated         150          DBC77-200           3"         4"         FKM & FFKM         120          DBC77-300	3"	4"		120	DBC62-300	DBC72-300
3"         4"         Silicone & FFPM         120         DBC63-300         DBC73-300           1½"         2"         210         DBC64-150         DBC74-150           2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC64-300         DBC74-300           1½"         2"         FFPM and PTFE 2         150         DBC66-200         DBC76-150           2"         2½"         FFPM and PTFE 2         120         DBC66-300         DBC76-300           1½"         2"         PTFE 2         210          DBC77-150           2"         2½"         Encapsulated 150          DBC77-200           3"         4"         FKM & FFKM 120          DBC77-300	1½"	2"	PTFE	210	DBC63-150	DBC73-150
1½"         2"         210         DBC64-150         DBC74-150           2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC64-300         DBC74-300           1½"         2"         FFPM and PTFE 2         150         DBC66-200         DBC76-150           2"         2½"         FFPM and PTFE 2         120         DBC66-300         DBC76-200           3"         4"         PTFE 210          DBC77-150           2"         2½"         Encapsulated 150          DBC77-200           3"         4"         FKM & FFKM 120          DBC77-300	2"	2½"	Encapsulated	150	DBC63-200	DBC73-200
2"         2½"         EPDM         150         DBC64-200         DBC74-200           3"         4"         120         DBC64-300         DBC74-300           1½"         2"         2"         DBC64-300         DBC74-300           2"         2½"         FFPM and PTFE <sup>2</sup> 150         DBC66-200         DBC76-200           3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-150           2"         2½"         Encapsulated Encapsulated FKM         150          DBC77-200           3"         4"         FKM & FFKM         120          DBC77-300	3"	4"	Silicone & FFPM	120	DBC63-300	DBC73-300
3"         4"         120         DBC64-300         DBC74-300           1½"         2"         210          DBC76-150           2"         2½"         FFPM and PTFE²         150         DBC66-200         DBC76-200           3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-150           2"         2½"         Encapsulated Encapsulated FKM & FFKM         150          DBC77-200           3"         4"         FKM & FFKM         120          DBC77-300	1½"	2"		210	DBC64-150	DBC74-150
1½"         2"         FFPM and PTFE 2         210          DBC76-150           2"         2½"         FFPM and PTFE 2         150         DBC66-200         DBC76-200           3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-150           2"         2½"         Encapsulated FKM & FFKM         150          DBC77-200           3"         4"         FKM & FFKM         120          DBC77-300	2"	2½"	EPDM	150	DBC64-200	DBC74-200
2"         2½"         FFPM and PTFE 2         150         DBC66-200         DBC76-200           3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-150           2"         2½"         Encapsulated FKM & FFKM         150          DBC77-200           3"         4"         FKM & FFKM         120          DBC77-300	3"	4"		120	DBC64-300	DBC74-300
2"     2½"       3"     4"       1½"     2"       2"     PTFE       210        DBC66-300     DBC76-300       DBC77-150       2"     2½"       2"     Encapsulated       3"     4"       FKM & FFKM     120        DBC77-300       DBC77-300	1½"	2"	EEDM	210		DBC76-150
3"         4"         120         DBC66-300         DBC76-300           1½"         2"         PTFE         210          DBC77-150           2"         2½"         Encapsulated FKM & FFKM         150          DBC77-200           3"         4"         FKM & FFKM         120          DBC77-300	2"	2½"		150	DBC66-200	DBC76-200
2" 2½" Encapsulated 150 DBC77-200 3" 4" FKM & FFKM 120 DBC77-300	3"	4"	'''-	120	DBC66-300	DBC76-300
3" 4" FKM & FFKM 120 DBC77-300	1½"	2"	PTFE	210		DBC77-150
5 4 120 22071 300	2"	2½"		150		DBC77-200
3" 4" FKM-B <b>120 DBC69-300 DBC79-300</b>	3"	4"	FKM & FFKM	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"	2" 2½"	PTFE Encapsulated FKM & FFKM	DBC77-150-GL DBC77-200-GL

- stainless steel corrosion resistance is equivalent to 304 stainless steel
- 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	DBS61-200
2"	2½"	FKM	DBS62-200
2"	2½"	PTFE Encapsulated Silicone & FFPM	DBS63-200

#### **Coupler Locking Kits**



Aluminum Part #
DBCL-200 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<sup>®</sup>
- 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)	<i>Aluminum</i> Part #	Stainless Steel Part #
1½"	2"		210	DBA11-150	DBA71-150
2"	2½"	Buna	150	DBA11-200	DBA71-200
3"	4"		120	DBA11-300	DBA71-300
11/2"	2"		210	DBA12-150	DBA72-150
2"	2½"	FKM	150	DBA12-200	DBA72-200
3"	4"		120	DBA12-300	DBA72-300
1½"	2"	PTFE	210	DBA63-150	DBA73-150
2"	2½"	Encapsulated	150	DBA63-200	DBA73-200
3"	4"	Silicone	120	DBA63-300	DBA73-300
1½"	2"		210	DBA64-150	DBA74-150
2"	2½"	EPDM	150	DBA64-200	DBA74-200
3"	4"		120	DBA64-300	DBA74-300
1½"	2"		210	DBA66-150	DBA76-150
2"	2½"	FFPM	150	DBA66-200	DBA76-200
3"	4"		120	DBA66-300	DBA76-300
1½"	2"	PTFE	210		DBA77-150
2"	2½"	Encapsulated	150		DBA77-200
3"	4"	FKM	120		DBA77-300
3"	4"	FKM-B	120	DBA69-300	



adapter x 11/2" 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)	<i>Aluminum</i> 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 PTFE Encapsulated Silicone EPDM FFPM	150	DBAF72-1520 DBAF73-1520 DBAF74-1520 DBAF76-1520
2"	2½"	FKM PTFE Encapsulated Silicone EPDM FFPM	150	DBAF72-200 DBAF73-200 DBAF74-200 DBAF76-200
3"	4"	FKM PTFE Encapsulated Silicone EPDM FFPM	150	DBAF72-300 DBAF73-300 DBAF74-300 DBAF76-300



Note: Reference page 179 for dust caps for adapters

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

# A

#### 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	DBAV73-2030

stainless steel corrosion resistance is equivalent to 304 stainless steel Note: Reference page 179 for dust caps for adapters

#### Cam & Groove Actuator Style Couplers

#### Applications:

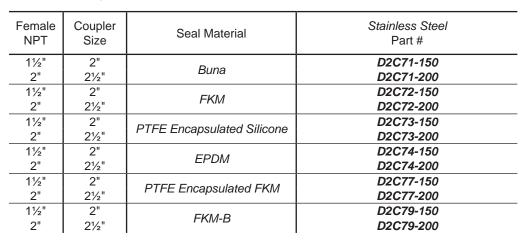
- suited for vapor recovery, suction pump line and other applications where it is necessary to easily drain the hose or pipe for cleaning
- can also be used when product retention in a hose or pipe is desired and damage from accidental spill from an open coupler is not a concern
- couplers work with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





# Δ

#### **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 PŠI @ 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 Part #
2"	Buna	BS61-200
2"	FKM	BS62-200
3"	Buna	BS61-300
3"	FKM	BS62-300
		•



#### Straight Coupler x Female NPT

Size	Seal Material	Anodized Hard Coat Aluminum Part #
2"	Buna	BC61-200
2"	FKM	BC62-200



#### Straight Swivel Coupler x Female NPT

Size	Seal Material	Anodized Hard Coat Aluminum Part #
2"	Buna	BSS61-200
2"	FKM	B\$\$62-200
3"	Buna	BSS61-300
3"	FKM	BSS62-300



#### **Dust Plugs**

Size	Rubber with Stainless Steel Chain Part #
2"	BCP-200
3"	BCP-300



#### Adapter x Female NPT

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



#### **Dust Caps**

Size	Rubber with Stainless Steel Chain Part #
2"	BAC-200
3"	BAC-300







#### 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 1: 230 PSI, up to 4"

stainless steel: 360 PSI

- standard seal supplied: FKM
- · optional seals:

EPDM

NBR - nitrile

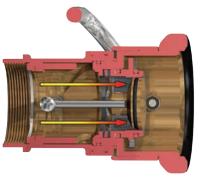
Kalrez®

Chemraz®

- · seal kits are available
- interchanges with Avery Hardoll and Todo-matic<sup>®</sup>

#### How it Works

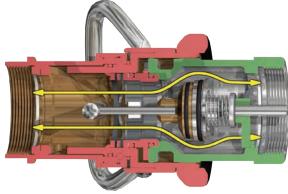
The principle of operation is identical for all sizes of couplings.





#### Closed:

 Turn and pull it's released - no spillage



#### Open:

 Push and turn it's coupled - full flow

produced to US government bronze specification G

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	Aluminum	Brass / Gunmetal 1
remale NFT	body Size	Part #	Part #	Part #
3/4"	56 mm	DDC075SS	DDC075AL	DDC075BR
1"	56 mm	DDC100SS	DDC100AL	DDC100BR
1½"	70 mm	DDC150SS	DDC150AL	DDC150BR
2"	70 mm	DDC200SS	DDC200AL	DDC200BR
3"	105 mm	DDC300SS105	DDC300AL105	DDC300GM105
3"	119 mm	DDC300SS	DDC300AL	DDC300GM
4"	164 mm	DDC400SS	DDC400AL	DDC400GM
6"	238 mm	DDC600SS	DDC600AL	
4 1 14				_

produced to US government bronze specification G

#### Coupler x 150# ASA Flange

150# Flange	Body Size	316 Stainless Steel Part #
2"	70 mm	DDC200SSFL
3"	119 mm	DDC300SSFL
4"	164 mm	DDC400SSFL
6"	238 mm	DDC600SSFL
8"	272 mm	DDC800SSFL





3" only

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

#### Coupler x TTMA Flange

TTMA Flange	Body Size	Aluminum Part #
4"	164 mm	DDC400AL164TTMA

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



#### **Dust Plugs**

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



11



#### 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		316 Stainless Steel	Aluminum	Brass / Gunmetal 1
NPT	Size	Part #	Part #	Part #
3/4"	56 mm	DDA075SS	DDA075AL	DDA075BR
1"	56 mm	DDA100SS	DDA100AL	DDA100BR
1½"	70 mm	DDA150SS	DDA150AL	DDA150BR
2"	70 mm	DDA200SS	DDA200AL	DDA200BR
3"	105 mm	DDA300SS105	DDA300AL105	DDA300GM105
3"	119 mm	DDA300SS	DDA300AL	DDA300GM
4"	164 mm	DDA400SS	DDA400AL	DDA400GM
6"	238 mm	DDA600SS	DDA600AL	

#### Adapter x 150# ASA Flange



		•	J	
150#	Body	316 Stainless Steel	Aluminum	Brass / Gunmetal <sup>1</sup>
Flange	Size	Part #	Part #	Part #
3/4"	56 mm	DDA075SSFL		
1"	56 mm	DDA100SSFL	DDA100ALFL	DDA100BRFL
1½"	70 mm	DDA150SSFL	DDA150ALFL	DDA150BRFL
2"	70 mm	DDA200SSFL	DDA200ALFL	DDA200BRFL
3"	105 mm	DDA300SS105FL	DDA300AL105FL	DDA300GM105FL
3"	119 mm	DDA300SSFL	DDA300ALFL	DDA300GMFL
4"	164 mm	DDA400SSFL	DDA400ALFL	DDA400GMFL
6"	238 mm	DDA600SSFL	DDA600ALFL	
8"	272 mm	DDA800SSFL		

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

#### Adapter x TTMA Flange



TTMA Flange	Body Size	Aluminum Part #
3"	105 mm	DDA300AL105TTMA
3"	119 mm	DDA300AL119TTMA
4"	164 mm	DDA400AL164TTMA

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





Size	Black Neoprene Part #
2"	PCDVCHSS36

	Dust Caps	
Size	Body Size	Polyeten PE-HD 300 Part #
3/4" and 1" 11/2" and 2" 3" 3" 4" 6"	56 mm 70 mm 105 mm 119 mm 164 mm 238 mm	DDDC075 DDDC150 DDDC300105 DDDC300 DDDC400 DDDC600 1

<sup>&</sup>lt;sup>1</sup> 6" dust cap is aluminum

Note: Reference page 14 for rubber dust caps.

<sup>·</sup> For flange dimensions, diagrams and additional information please reference dixonvalve.com.



#### 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)



Female NPT	Body Size	316 Stainless Steel Part #
3/4"	56 mm	DDSC075SS
1"	56 mm	DDSC100SS
1½"	70 mm	DDSC150SS
2"	70 mm	DDSC200SS



#### Adapter x Female NPT

Female NPT	Body Size	316 Stainless Steel Part #
3/4"	56 mm	DDSA075SS
1"	56 mm	DDSA100SS
1½"	70 mm	DDSA150SS
2"	70 mm	DDSA200SS





#### 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 Part #
1"	56 mm	DGC100SS
2"	71 mm	DGC200SS
3"	119 mm	DGC300SS



#### **Dust Plug for Couplers**

Size	Body Size	Polyeten PE-HD 300 Part #
1"	56 mm	DGDP100
2"	71 mm	DGDP200
3"	119 mm	DGDP300



#### Adapter x Female NPT

Female NPT	Body Size	316 Stainless Steel Part #
1"	56 mm	DGA100SS
2"	71 mm	DGA200SS
3"	119 mm	DGA300SS



#### Adapter x Female ACME

Female ACME	Body Size	316 Stainless Steel Part #
1¾"	56 mm	DGA100SS175
3¼"	71 mm	DGA200SS325



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

150# Flange	Body Size	316 Stainless Steel Part #
1"	56 mm	DGA100SSFL
2"	71 mm	DGA200SSFL
3"	119 mm	DGA300SSFL

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





Size	Body Size	Material	Part #
1"	56 mm	polyeten PE-HD300	DGDC100
2"	71 mm	rubber	DGDC200
3"	119 mm	rubber	DGDC300

# A

#### 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

Body Size

**ISO 45** 

**ISO 45** 

- · all wetted parts are aluminum and stainless steel
- · stainless steel ball bearings

Female NPT

21/2

3"

- · 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
Aluminum
Part #
DAC250AL
DAC300AL

#### Coupler x Female BSP

Female BSP	Body Size	Aluminum Part #
2½"	ISO 45	DAC250ALBSP
3"	ISO 45	DAC300ALBSP



#### **Dust Plug for Couplers**

Size	Body Size	Polyeten PE-HD300 Part #
2½"	ISO 45	DADP250







#### MannTek Dry Aviation Adapters - Tank Unit

#### Application:

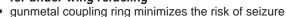
· designed for use in aviation refueling systems

#### 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



- 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	<i>Aluminum</i> Part #
2½"	ISO 45	DAA250AL
3"	ISO 45	DAA300AL

#### Adapter x 150# ASA Flange



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

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





Size	Body Size	Polyeten PE-HD 300 Part #
2½"	ISO 45	DADC250

#### 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<sup>®</sup>





#### Female NPT x Female NPT

Size	DN Size	316 Stainless Steel Part #
2"	50	MSBC200SS
3"	80	MSBC300SS
4"	100	MSBC400SS
5"	125	MSBC500SS
6"	150	MSBC600SS NEW



#### Male NPT x Male NPT

Size	DN Size	316 Stainless Steel Part #
2"	50	MSBC200SSMNPT
3"	80	MSBC300SSMNPT
4"	100	MSBC400SSMNPT
5"	125	MSBC500SSMNPT
6"	150	MSBC600SSMNPT



#### 150# Flange x 150 Flange

Size	DN Size	316 Stainless Steel Part #
2"	50	MSBC200SSFL
3"	80	MSBC300SSFL
4"	100	MSBC400SSFL
5"	125	MSBC500SSFL
6"	150	MSBC600SSFL
8"	200	MSBC800SSFL



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· For flange dimensions, diagrams and additional information please reference 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<sup>®</sup>

#### Female NPT x Female NPT



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

#### Male NPT x Male NPT



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

#### 150# Flange x 150# Flange



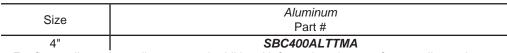
Size	DN Size	316 Stainless Steel Part #	<i>Aluminum</i> Part #
<b>NEW</b> 1"	25	SBC100SSFL	
2"	50	SBC200SSFL	SBC200ALFL
3"	80	SBC300SSFL	SBC300ALFL
4"	100	SBC400SSFL	SBC400ALFL
5"	125	SBC500SSFL	SBC500ALFL
6"	150	SBC600SSFL	SBC600ALFL
8"	200	SBC800SSFL	

• For flange dimensions, diagrams and additional information please reference 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



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



# Engineered Fluid Transfer Couplings

#### FIOMAX Diesel Fueling System

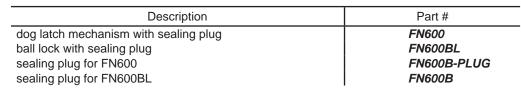
#### Application:

· 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





#### **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	nickel-plated steel	FRS
one-piece receiver with cap	nickel-plated steel	FRS-C
one-piece receiver without cap	anodized aluminum	FRA
one-piece receiver with cap	anodized aluminum	FRA-C
cap for receiver	anodized aluminum	FR-CAP



#### **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	FR-RS
two-piece receiver with removable stainless sleeve with cap removable sleeve replacement for two-piece receiver	FR-RS-C FR-RS-R
cap for receiver	FR-CAP









# -Iuid Iplings

#### 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	FN600BL-NI

#### 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 Part #
one-piece receiver with cap	FRA-NI-C

#### 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	FX1500 <sup>1</sup>
2" fuel nozzle - with plug	FX1500P <sup>1</sup>
2" fuel nozzle - with swivel	FX1500S <sup>1</sup>
2" fuel nozzle - with swivel, with plug	FX1500SP1
2" sealing plug for nozzle	FX1500PLUG

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

#### **Diesel Fuel Receivers**



Description	Part #
2" diesel fuel receiver	FRX
2" fuel receiver with cap	FRX-C
2" cap for receiver	FRXCAP



## Δ

#### Diesel Fuel Gravity Fill Receivers

#### Feature:

used with the FN600 or FN600BL to convert to gravity fueling

Size	Description	Part #
13/8"	straight	GFR-0
13/8"	45°	GFR-45
1%"	90°	GFR-90
1"	straight	GFR1-0
1"	45°	GFR1-45
1"	90°	GFR1-90



#### **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	VT
vent with 7" tube	VT7
vent with 9" tube	VT9
vent with 5" tube and threaded outlet	VTT



#### High Flow Fuel Vents

#### Feature:

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

Description	Part #
high flow fuel vent with 5" tube	VTX
high flow fuel vent with 9" tube	VTX-9



#### Diesel Fuel Swivels

#### Features:

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

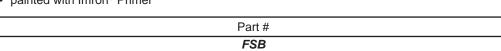
Thread Size	Description	Part #
1½" male NPT x 1½" female NPT	standard	FNS
2" male NPT x 1½" female NPT	standard	FNS2
11/2" female NPT x 11/2" female NPT	double	FNSID
1½" male NPS x 1½" female NPT	standard	FN600S1
1 used with FN600 or FN600BL		



#### Service B

#### 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





FNS - standard

FNSID - double

receivers sold separately

A



#### **Standard Series Connectors**

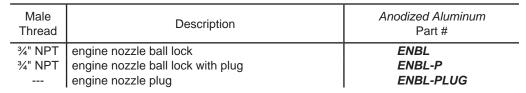
#### Features:

- 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









#### **Engine Oil Receivers**

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

#### **Coolant Fluid Nozzles**

#### Features:

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



Male Threa	I Description	Anodized Aluminum Part #
½" NI	T coolant nozzle ball lock	CN
½" NI	T coolant nozzle ball lock with plug	CN-P
	coolant nozzle plug	CN-PLUG

#### **Coolant Fluid Receivers**



Male Thread	Description	Anodized Aluminum Part #
½" NPT	coolant receiver	CR-S
½" NPT	coolant receiver with cap	CR-C
	coolant receiver cap	CR-CAP

# Д

#### **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 #
3/4" NPT	hydraulic nozzle	HN
3/4" NPT	hydraulic nozzle with plug	HN-P
	hydraulic nozzle plug	HN-PLUG





#### **Hydraulic Oil Receivers**

Male Thread	Description	Anodized Aluminum Part #
3/4" NPT	hydraulic receiver	HR
34" NPT	hydraulic receiver with cap	HR-C
	hydraulic receiver cap	HR-CAP



#### **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	TN
½" NPT	transmission nozzle with plug	TN-P
	transmission nozzle plug	TN-PLUG



#### **Transmission Fluid Receivers**

Female Thread	Description	Anodized Aluminum Part #
%" NPT	transmission receiver	TR
¾" NPT	transmission receiver with cap	TR-C
	transmission receiver cap	TR-CAP





#### 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	R-EN
¾" NPT	R-series engine nozzle with plug	R-EN-P
	R-series engine nozzle plug	R-EN-PLUG

#### **Engine Oil Receivers**



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

#### **Coolant Fluid Nozzles**

#### Feature:

• bright teal



Female Thread	Description	Anodized Aluminum Part #
½" NPT	R-series coolant nozzle	R-CN
½" NPT	R-series coolant nozzle with plug	R-CN-P
	R-series coolant nozzle plug	R-CN-PLUG

#### **Coolant Fluid Receivers**



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

# Δ

#### R Series Connectors

#### **Hydraulic Oil Nozzles**

#### Feature:

#### • bright gold

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



# lings

#### **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	R-HR
1.875-12 UN-2A 		R-series hydraulic receiver with cap R-series hydraulic receiver cap	R-HR-C R-HR-CAP



#### **Transmission Fluid Nozzles**

#### Feature:

#### • bright violet

Female Thread	Description	Anodized Aluminum Part #
	R-series transmission nozzle	R-TN
34" NPT	R-series transmission nozzle with plug	R-TN-P
	R-series transmission nozzle plug	R-TN-PLUG



#### **Transmission Fluid Receivers**

	Female Thread	·	Anodized Aluminum Part #
1.312-12 UN-2A	1.062-12 UN-2B	R-series transmission receiver	R-TR
1.312-12 UN-2A	1.062-12 UN-2B	R-series transmission receiver, cap	R-TR-C
		R-series transmission receiver cap	R-TR-CAP







#### High Flow 3/4" Series Connectors

Nozzles

- 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



	11022100	
Male Thread	Description	Anodized Aluminum Part #
34" NPT	red nozzle with plug gold nozzle with plug teal nozzle with plug violet nozzle with plug navy nozzle with plug copper nozzle with plug	ENBL-P ENBL-P2 ENBL-P3 ENBL-P4 ENBL-P5 ENBL-P6
	Receivers	



Male Thread	Description	Anodized Aluminum Part #
3/4" NPT	red receiver with cap gold receiver with cap teal receiver with cap violet receiver with cap navy receiver with cap copper receiver with cap	ERS-C ERS-C2 ERS-C3 ERS-C4 ERS-C5 ERS-C6

• 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 gold nozzle with plug teal nozzle with plug violet nozzle with plug navy nozzle with plug copper nozzle with plug blue/gray nozzle with plug	HFN-P1 HFN-P2 HFN-P3 HFN-P4 HFN-P5 HFN-P6 HFN-P7

#### Receivers



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

# ngineered Fluid ransfer Couplings

#### FIoMAX Part Number Cross Reference

#### **Standard Series Connectors**

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Е		

Dixon® Part #	Caterpillar <sup>®</sup> Part #	Wiggins Part #
Engine Oil Nozzles		
ENBL	9S9273	OS2
ENBL-P		OSP2
ENBL-PLUG	9S9274	OP-12
FR.J		ON6

	0001	0
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	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		

126-7538

108-5456

C-1807

P-1844

P-1804

P-1880

#### TR-C TR-CAP SP3587

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

**Fuel Vent Series** 

#### **R Series Connectors**

Dixon <sup>®</sup>	Caterpillar®	Wiggins
Part #	Part #	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		 D4707
R-HN-PLUG		R1707
Hydraulic Oil Receivers R-HR		D40
R-HR-C		R18
R-HR-CAP		D4005
Transmission Fluid		R1805
Nozzles		
		D40
R-TN		R13
R-TN-P		 D4207
R-TN-PLUG		R1307
Transmission Fluid Receivers		
		D44
R-TR		R14
R-TR-C		 D4405
R-TR-CAP	Fuoling System	R1405

#### **Diesel Fueling System**

Dixon® Part #	Caterpillar® Part #	Wiggins Part #	
Nozzles FN600 FN600BL FN600B-PLUG Receivers FRS FRS-C FRA-C FR-CAP FR2 FR2-C FR2-R GFR-0 GFR-45 GFR-90 GFR1-0 GFR1-45 GFR1-90 FNS FNS2 FN600S BFN BH-F FNS10	Part #  2G9000 0D0630 9D0630	Part #  ZZF150 ZZ9A1 ZN2A ZNC2A ZNC2A ZNC2A ZNC2A ZNC6A ZN6A ZN6B ZN6B ZN6B ZN6B ZN6B ZN6B ZN6B ZS9 ZS5	
FR-SOCKET BH-W			

TN

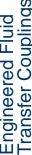
TN-P TN-PLUG

Receivers TR

Transmission Fluid

**API Couplers** 









- · 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®



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

stainless steel internal springs and is recommended for crude oil service

#### **API Couplers with Replaceable Nose Seal**

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



#### **API Coupler Locking Handle Repair Kit**

Description	Part #
locking handle kit for 5300BC rack couplers	5354K21

#### **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 load only API valve without sight glass, Baylast™ seal, stainless steel springs load only API valve without sight glass, Baylast™ seal, stainless steel springs with ½" FNPT drain port	



#### API Load/Unload Valves

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

# 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	4530
4"	4" API	with Baylast™ O-ring seal	4540
4"	4" API	with Buna-N O-ring seal	4540F



#### **API Drop Adapters with Sight Glass**

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



#### **API Gravity Drop Adapters**

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



#### **API Drop Adapter Repair Kits**

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



#### **API Dust Caps**

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



with cam arms

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



with locking arms

**Gravity Drop Adapter Dust Caps** 



# Engineered Fluid Transfer Couplings

# A540DC OOLVO MOXICI



#### 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	<i>Black Nylon</i> Part #	
4"	4540DC	
4"	4540DC-1200 <sup>1</sup>	

<sup>1</sup> supplied with chain



#### Dixon Bayco Adapter with Grounding Tab





Size	Description	356T6 Aluminum Part #
4"	male adapter with grounding tab	400-E-ALGT

### Dixon Bayco Coupler with Grounding Tab



Size	Description	356T6 Aluminum Part #
4"	female coupler with grounding tab	400-C-ALGT

#### 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	FT620
plug with 20' straight cable, 6 contact pins, 3 J slots	FT620S
plug with 30' coiled cord, 6 contact pins, 3 J slots, J560 plug	FT620P
replacement plug assembly with 6 contact pins, 3 J slots	FT621
replacement 30' coiled cable, optic 6 conductor	FT622
plug storage hanger	FT623
replacement 20' straight cord, optic 6 conductor	FT624



#### **API Thermistor Cord Assemblies**

FT604

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



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

replacement 20' straight cord, Thermistor 10 conductor



# Engineered Fluid Transfer Couplings

#### **API Rack Cord Assemblies**

ກ 			API		Co	rd	J-	Slot	:S		Pins	3	Breakav	way Plug
FloTech™ Part #	Civacon Part #	Scully Part #	Thermistor	Optic	20' Straight	30' Coiled	2	3	4	6	8	10	Optic J560 Aluminum	Thermistor 13 Pin Plastic
FT600	7300SR-7300	21818	1			1	1				1			
FT600-4			1			1			1		1			
FT600C	7300CSR-7300	31092	1			1			1			1		
FT600C-2	7300C-7300		1			1	1					1		
FT600P	7320SR-7320		1			1	1				1			1
FT600P-4			1			1			1		1			1
FT600S	7300-STRAIGHT	20830	1		1		1				1			
FT600SC	7300C-STRAIGHT		✓		1				1			1		
FT600CP			1			1			1			1		1
FT600SP			1				1				1			1
FT605C				1		1			1	1				
FT620	7100SR-7100	21831		1		1		1		1				
FT620P	7100-J560			1		1		1		1			1	
FT620X620				1		1		1		1				
FT620S	7100-STRAIGHT	21764		1	1			1		1				

#### **API Rack Cord Parts**

			API		Co	rd	J	-Slot	s		Pins	
FloTech™ Part #	Civacon Part #	Scully Part #	Thermistor	Optic	20' Straight	30' Coiled	2	3	4	6	8	10
FT601	7310SR-7310		✓				1				1	
FT601-4			✓						1		1	
FT601-10			✓						1			1
FT602			✓			✓						
FT603	7350-7350		<b>√</b>						1			
FT604			<b>√</b>		✓							
FT621	7110SR-7110	21766		1				1		1		
FT622	7220-7220	31099		1				1				
FT623	7150-7150			1				1				
FT624		31098		1	1	1						

# TEN I

#### FloTech™ FT590 Series Rack Monitor Testers

Description	Part #
rack tester with grounding bolt	FT590TG
rack tester thermistor	FT590TGT
rack tester with ground bolt	FT590OG
rack tester with ground bolt and Trailer Identification Module	FT590OGT

FT590TG

#### Dixon® Vapor Recovery Couplers

· not intended for liquid service, for vapor recovery only



#### Materials:

- body: cast aluminun
- · 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 Part #
4"	3"	4030-DAVR-AL



#### Coupler with Probe x Coupler with Probe

Coupler Size	Coupler Size	356T6 Aluminum Part #
4"	4"	400-DDVR-AL



#### Coupler with Probe x Hose Shank

#### Applications:

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



#### Materials:

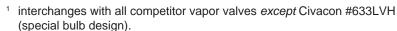
- cast aluminum body · arms : bronze
- · pins and finger rings: stainless steel
- gasket: Buna-N

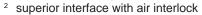
#### Features:

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



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







#### Repair Kits

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



VR4030CS-AL



VRC.3000AL



4030-CVR-AL





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VR4030CS-AL45

#### Couplers

Dixon® Vapor Recovery

#### 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



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



#### **Repair Kits**

Description	Part #
handle kit	VRHK
compact handle kit	VRHK-C
seal repair kit	VR4040CSRK1
cam arm repair kit	VR4040CSRK2



#### **Coupler x Female NPT**

• not intended for liquid service, for vapor recovery only



#### Materials:

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



Coupler Size	Female NPT Size	356T6 Aluminum Part #
4"	3" 4"	4030-DVR-AL 400-DVR-AL

#### Tank Truck Flanged Tee

Size	356T6 Aluminum Part #
4"	400-TLT-AL



· For flange dimensions, diagrams and additional information please reference 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 Part #
3"	3"	2½"	TTF3AL-3MT
4"	3"	2½"	TTF4AL-3MT
4"	4"	2½"	TTF4AL-4MT



#### TTMA Flange x Extended Length Male NPT Adapters

TTMA Flange	Male NPT	Overall Length	Aluminum Part #
4"	3"	5½"	TTF4AL-3EMT
	4"	5½"	TTF4AL-4EMT



#### TTMA Flange x Female NPT Adapter

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



#### **TTMA Slip-on Socket Weld Flange**

TTMA Flange	Pipe Size	356T6 Aluminum Part #
4"	4"	TTF400SP



#### **TTMA Slip-on Plate Flange**

TTMA Flange	Pipe Size	Aluminum Part #
4"	4"	TTMA-64



#### **TTMA Buttweld Flange**

TTMA Flange	Pipe Size	Thickness	<i>Aluminum</i> Part #
3"	4"	3/8"	TTF3AL
4"	4"	3/8"	TTF4AL



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





#### TTMA Flange Spacer with 1/2" Port



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

#### TTMA Flange Extensions



#### Application:

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

- 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

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

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



TETF4AL

TETFG4AL

#### Cam & 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"	300-ALT-AL	300-ALT-SS <sup>1</sup>
3" x 4"	3040ALTAL	
4"	400-ALT-AL	400-ALT-SS 1
6"	600-ALT-AL	

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

#### Cam & 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



0:	356T6 Aluminum
Size	Part #
3"	300-DLT-AL
3" x 4"	3040DLTAL
4"	400-DLT-AL
6"	600-DLT-AL

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

#### Cam & Groove 221/2° 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"	40022ALTAL

#### Cam & Groove 221/2° Coupler x TTMA Flange

#### Features:

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

	,
Size	356T6 Aluminum
Size	Part #
4"	40022DLTAL

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

# ngineered Fluid ransfer Coupling

#### A

#### TTMA Flange Gaskets

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



· For flange dimensions, diagrams and additional information please reference 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
- 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	<i>Aluminum</i> Part #
3"	1¾"	5200-SFI-3
4"	1¾"	5200-SFI



#### 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%" flow indicator allows tank truck flanged butterfly valves to connect to either end
  of the indicator
- pressure rating: 150 PSI

Size Width		ID	<i>Aluminum</i> Part #
4"	3¼"	43/8"	5201-SFI

#### Features:

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

Size	ID	Aluminum Part #
4"	43/8"	4-1460-AL

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









#### TTMA Flanged Sight Flow Indicators



Size	Nominal Width	Acrylic Part #
3"	13/4"	TT3ASG
4"	13/4"	TT4ASG
3"	13/4"	TT3ASG-ETH 1
4"	13/4"	TT4ASG-ETH 1

#### **Optically Enhanced Sight Glass**

Size	Nominal Width	<i>Acrylic</i> Part #
3"	1¾"	TT3ASGOE
4"	1¾"	TT4ASGOE
3"	1¾"	TT3ASG-ETHOE 1
4"	1¾"	TT4ASG-ETHOE 1

<sup>&</sup>lt;sup>1</sup> for use with ethanol

#### Sight Flow Indicator Repair Kits



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

#### 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	TTFS4SS

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

<sup>·</sup> For flange dimensions, diagrams and additional information please reference dixonvalve.com.

# ransfer Couplings

#### Betts Wet-R-Dri™ Butterfly Valves

#### Application:

designed for handling liquid, gaseous or dry products

- 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 (-18°C to 204°C)

#### **Manual**

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
3"	75	WD301ALVB
4"	75	WD401ALVB



#### Metering

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
3"	75	WD304ALVB
4"	75	WD404ALVB



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



#### Tank Transport Equipment

#### **Fusible Pipe Caps**



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

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

#### **Pipe Caps**



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

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

#### Reducers



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

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

#### **Reducing Cap**



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

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

#### **Coupling Gaskets**



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

<sup>&</sup>lt;sup>2</sup> welded fabrication

## Α

#### Intermodal Tank Transport

#### Pipe Caps

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

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

#### **Thread Adapters**

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

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



#### Cam & Groove Adapter

Size	Stainless Steel <sup>1</sup> Part #
3"	300ASSSAP

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



6200 Series Side Lever Type Drop Elbows



# Engineered Fluid Transfer Coupling

side lever with 4" coupler inlet

#### 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 Overall Height	B Ground Clearance	Aluminum Part #
		elbow only, without inlet connection elbow with 4" adapter inlet			6200 6200A
	4"	elbow with anti-spill sleeve, without inlet connection	17¾"	10⅓"	6200T
	elbow with 4" coupler inlet			6200D	
		tall elbow only, without inlet connection			6200X
4"	tall elbow with 4" adapter inlet	21"	13¾"	6200XA	
	tall elbow with anti-spill sleeve, without inlet connection			6200XT	
		tall elbow with 4" coupler inlet			6200XD

side lever without inlet connection

#### 6500 Series Self-Locking Drop Elbows



Size	Inlet	A Overall Height	B Ground Clearance	<i>Aluminum</i> Part #
4"	tightfill elbow with locking handle	17¾"	101/8"	6500
4"	tightfill elbow with locking handle and 4" adapter inlet	17¾"	10%"	6500A
4"	3" tight fill elbow with 4" inlet adapter	15"	9½"	6530A
4"	3" tight fill elbow with 3" inlet adapter	15"	9½" [	6530C

#### **Inlets**

#### **Male Adapters**



Inlet Size	<i>Aluminum</i> Part #
3"	6000-16
4"	6000-17

#### **Female Couplers**



Inlet Size	Aluminum Part #
3"	6000-15
4"	6000-14

#### **Female NPT**



Inlet Size	Aluminum Part #
4"	6000-20

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



#### **Adapter Inlet**

Description	Aluminum Part #
outlet adapter with outlet O-ring	VR6000-6



#### Single Point Coaxial Drop Elbow

#### Materials:

arms: solid bronzesight glass: acrylicseals: 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<sup>®</sup>
- 6400 co-axial inlets do not fit our other elbow series

Inlet	Outlet	<i>Aluminum</i> Part #
4" male	3" male vapor	6400



#### 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

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



#### Couplers

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

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







#### 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 Part #
3"	3" male adapter 4" male adapter	300300MAE 3004030MAE

#### Tight Fill Drop Elbow Coupler Body

Size	Aluminum Part #
3"	300-TFG

#### Tight Fill Male Adapter Inlet End



	Inlet	<i>Aluminum</i> Part #
•	3" 4"	300-MAE 4030-MAE

#### Side Seal Drop Elbow



- 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
- 4" male adapter inlet and lock ring installed
- replacement parts are available, contact Dixon®

Size	Aluminum Part #
4"	6000ASAL

#### Side Seal to Top Seal Adapter

- 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
- replacement parts are available, contact Dixon®

Size	Aluminum Part #
4"	6000-SSA



#### 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

Size	Aluminum Part #
3"	300-DC-ALPH
4"	400-DC-ALPH





#### 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.



Size	<i>Aluminum</i> Part #
3" 4"	300-DP-ALPH
4"	400-DP-ALPH





#### 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.

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

Description	Stranded Steel Part #	
single 7" x 7" stranded steel	G3050	





#### TFA Series Fill Pipe Adapter



#### Feature:

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

Adapter Size	Female NPT	Aluminum Hardcoat Part #	Optional Qty
3"	3"	300-TFA	10

#### Fuel Delivery Tank Adapters



with NPSM 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	<i>Bronze</i> Part #	Optional Qty
4"	4" NPSM	23/8"	BZ4051S	5
	4" NPT	31/2"	BZ4051	5

with NPT thread

#### Vapor Recovery Tank Adapters





- poppeted vapor collar at station vapor outlet
- · low profile design
- replacement parts are available, contact Dixon® for more information





#### 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 Part #	
4"	VR4050AL	



#### S A

#### 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	<i>Nylon</i> Part #
<u></u> Δ"	VR4050PI



#### 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	<i>Zinc</i> Part #
2"	2000L
2½"	2500L



#### for mobile fuel tanks

#### Feature:

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

Male NPT	<i>Zinc</i> Part #
2"	200-PV-9





## Engineered Fluid Transfer Couplings

#### 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 Part #
21/2"	2500SFV

#### Fuel Delivery Adapter Cap



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

Size	<i>Aluminum</i> Part #	Optional Qty
4"	SA4050AL	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<sup>®</sup> at 888.226.4673

Swivel configurator available 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

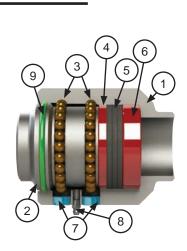
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#### V-ring Parts Identification List

- 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







#### Single Plane Style 20



	208		-
female N	IPT x femal	e NPT	

**Aluminum** Malleable Iron Size Part # Part # 15020FXFAL00000 15020FXFMI00000 1½" 2" 220FXFAL00000 220FXFMI00000 3" 320FXFAL00000 320FXFMI00000 4" 420FXFAL00000

Single Plane Style 30



female NPT x female NPT

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

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

#### Swivel Joint Styles Planes of Rotation

#### Single Plane Style 40



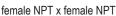




150# ASA flange x 150# ASA flange

#### **Double Plane Style 50**







150# ASA flange x 150# ASA flange

#### **Double Plane Style 60**



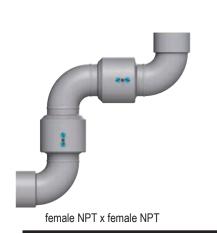
female NPT x female NPT



150# ASA flange x 150# ASA flange

#### Swivel Joint Styles Planes of Rotation

#### **Double Plane Style 70**

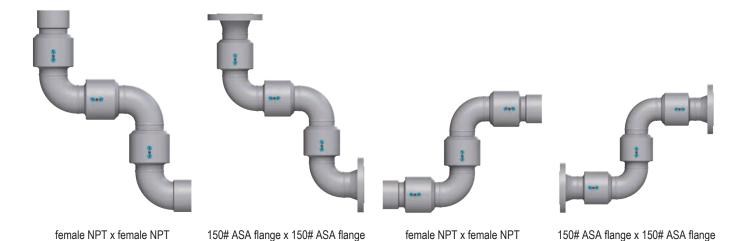




150# ASA flange x 150# ASA flange

**Triple Plane Style 80** 

**Triple Plane Style 10** 



#### **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 Carbon Steel CS	O-ring Carbon Steel OC	V-ring Stainless Steel SS	O-ring Stainless Steel OS	Aluminum AL	Brass BR	Malleable Iron MI
1"		1000		1000	150		
11/4"					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: 2 [A]	<u>20</u> <u>F</u> [B] [C]	X <u>F</u> [C]	<u>CS</u> <u>0</u> [D] [E]	<u>0</u> <u>1</u> [F] [G]	0 <u>0</u> [I]
<b>A</b> Size					
<b>B</b> Style					
<b>C</b> End Connections	<b>W</b> Weld End	<b>F</b> Female NPT	<b>FG</b> 150# ASA Flange	<b>TF</b> Tank Truck Flange	PF 300# ASA Flange (not available in aluminum
<b>D</b> Material	CS (V-ring) Carbon Steel OC (O-ring) Carbon Steel	SS (V-ring) Stainless Steel OS (O-ring) Stainless Steel	<b>AL</b> Aluminum	<b>BR</b> Brass	<b>MI</b> Malleable Iron
	•			-	<u> </u>
Code	E Pressure Seal	F Dust Seal	G Retainers	H Ball Bearings	I Grease
Code 0	_			1	I Grease Lithium
	Pressure Seal	Dust Seal	no retainers (O-ring swivel)  PTFE (standard in CS V-ring) 1	Ball Bearings carbon steel	
0	Pressure Seal  Buna N (standard)	Dust Seal  Buna N (standard)	no retainers (O-ring swivel)  PTFE (standard in CS	carbon steel (Standard)	Lithium  FDA approved/
0 1	Pressure Seal  Buna N (standard)  FKM	Dust Seal  Buna N (standard)	no retainers (O-ring swivel)  PTFE (standard in CS V-ring) 1  PTFE (standard in SS	Ball Bearings  carbon steel (Standard)  440 grade SS	Lithium  FDA approved/ food grade  Silicone (required with

<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.



### Engine Transfe

#### 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 #
	Style 30 short radius, with handle, Buna seals	43HTFXTFAL00000
	Style 30 short radius, with handle, FKM seals	43HTFXTFAL11000
	Style 30 short radius, without handle, Buna seals	430TFXTFAL00000
	Style 30 short radius, without handle, FKM seals	430TFXTFAL11000
	Style 30 long radius, with handle, Buna seals	43HTFTFLAL00000
	Style 30 long radius, with handle, FKM seals	43HTFTFLAL11000
	Style 30 long radius, without handle, Buna seals	430TFTFLAL00000
	Style 30 long radius, without handle, FKM seals	430TFTFLAL11000
4"	Style 40 with handle, Buna seals	44HTFXTFAL00000
	Style 40 with handle, FKM seals	44HTFXTFAL11000
	Style 40 without handle, Buna seals	440TFXTFAL00000
	Style 40 without handle, FKM seals	440TFXTFAL11000
	Style 50 with handle, Buna seals	45HTFXTFAL00000
	Style 50 with handle, FKM seals	45HTFXTFAL11000
	Style 50 without handle, Buna seals	450TFXTFAL00000
	Style 50 without handle, FKM seals	450TFXTFAL11000







#### **Replacement Parts**

Description	Part #
4" schedule 80 aluminum nipple	ATN100X7
D style heavy duty shovel handle	100DHAN-AL
ball handle	100BHAN-AL NEW
buna seal kit	4RKOBU
FKM seal kit	4RKOVIVI







#### 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 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<sup>™</sup>, FKM, PTFE, others per request
- full penetration weld
- contact Dixon® at 888-226-4673 for additional materials and configurations

	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
Size	Weld x Weld	Weld x Weld	150# Flange x 150# Flange	150# Flange x 150# Flange
SIZE	with Baylast™	with FKM	with Baylast™	with FKM
	Pressure Seals	Pressure Seals	Pressure Seals	Pressure Seals
2"	SF220WXWCS00	SF220WXWCS10	SF220FGXFGCS00	SF220FGXFGCS10
3"	SF320WXWCS00	SF320WXWCS10	SF320FGXFGCS00	SF320FGXFGCS10
4"	SF420WXWCS00	SF420WXWCS10	SF420FGXFGCS00	SF420FGXFGCS10

#### Split Flange Swivel Components

#### **Split Flange Bearing Packs**

Size	Carbon Steel Part #
2"	2SFBP
3"	3SFBP
4"	4SFBP



#### **Split Flange Nose Pieces**

#### · 2 required per bearing pack

Size	Carbon Steel Part #	316 Stainless Steel Part #
2"	2SFNPCS	2SFNPSS
3"	3SFNPCS	3SFNPSS
4"	4SFNPCS	4SFNPSS



#### **Seal Kits**

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

	<del>5 1</del>		
Size	<i>Baylast</i> Part #	<i>FKM</i> Part #	<i>PTFE</i> Part #
2"	2SFSK-BAYLAST	2SFSK-VI	2SFSK-TES
3"	3SFSK-BAYLAST	3SFSK-VI	3SFSK-TES
4"	4SFSK-BAYLAST	4SFSK-VI	4SFSK-TES





#### 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.

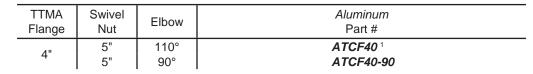
Male	Swivel	Elbow	316 Stainless Steel	<i>Aluminum</i>
Adapter	Nut		Part #	Part #
3"	5"	120°	RTCA30	
4"	5"	110°	RTCA401	ATCA40

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



#### Features:

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



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

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

#### Style GF



110° elbow

#### Feature:

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

TTMA	Boss-lock™	Elbow	Aluminum
Flange	Coupler		Part #
4"	4"	110°	ATCGF40
	4"	90°	ATCGF40-90

• For flange dimensions, diagrams and additional information please reference 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"	400-G-BUSS

#### Style S



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

#### Railroad Tank Car Connections

#### Style T

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



#### Style T

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



Male	Swivel	Elbow	316 Stainless Steel
NPT	Nut		Part #
3"	5"	120°	RTCT30
4"	5"	110°	RTCT40



#### Dixon<sup>®</sup> 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	MaleTank Car Thread	Aluminum Part #
4"	5"	400DWX5TC



#### EZ Boss-Lock<sup>TM</sup> x Coupler Tank Car Thread

- 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"	AD400ALEZMTC





#### 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	Swivel Nut	<i>Aluminum</i>
Size	Size	Part #
4"	5"	ATC40ASSDDA

#### Assembly with API Adapter



#### Feature:

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

Adapter	Swivel Nut	Aluminum
Size	Size	Part #
4"	5"	ATC40ASSAPI

#### Dixon® Tank Car Adapters





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



pin lug

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

#### 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

	40A-45TCAL
Size	Part #
Cino	356T6 Aluminum

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



# Engineered Fluid Transfer Couplings

#### Cam & Groove Railroad Tank Car Gaskets

#### **Old Style**

#### Feature:

• for use with Dixon® fittings

Size	OD	ID	Thick	<i>Leather</i> Part #
5"	51/4"	31/2"	3/16"	<b>G</b> 9



## Δ

#### **Standard**

#### Feature:

• for use with Dixon® fittings

Size	OD	ID	Thick	Material	Part #
	51/4"	31/8"	1/8"	Buna-N	500GTCABU
E"	5¼"	3%"	1/8"	FKM	500GTCAVI
5"	5¼"	31/8"	1/8"	fuel grade Buna	500GTCABF
	5-5/16"	31/8"	3/16"	FKM	500GTCAVITHK

#### **PTFE Envelope**

#### Features:

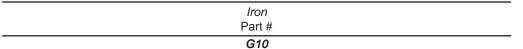
- for use with Dixon® fittings
- may be too thick for insertion in some older Dixon® fittings

Size	OD	ID	Thick	Material	Part #
5"	51/4"	3-13/16"	3/16"	PTFE with Buna-N filler	500GTCATF
	5¼"	3-13/16"	3/16"	PTFE with FKM filler	500GTCATV

#### Pin Lug Wrench

#### Feature:

· used on aluminum and iron tank car nuts







#### 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	<i>Bronze</i> Part #	Optional Qty
1/2"	3-13/16"	2-7/16"	2-7/16"	SF1631-050	1
3/4"	3-13/16"	2-7/16"	2-7/16"	SF1631-075	1
1"	4-3/8"	3"	3-1/8"	SF1631-100	1
1½"	4-5/8"	3-13/16"	4"	SF1631-150	1
2"	4-5/8"	3-13/16"	4"	SF1631-200	1

#### Stainless Steel Sight Flow Indicators

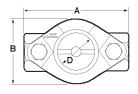
#### Female NPT x Female NPT Stock Quantity Only

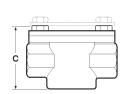
#### Features:

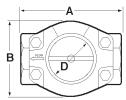
- · verifies flow and monitor color and clarity in fluid lines
- radial sealing method and bolt-on body design provide reliable service with no torquing maintenance required
- white acetal resin, 40% glass filled propeller style indicator is standard and best for observations at a distance or with opaque 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.

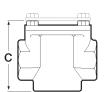


1/2"









1½"

Si	ze	Overall Length A	Width B	Height C	Diameter of Sight Opening D	Stainless Steel Part #	Optional Qty
1/	/ II 2	3¼"	2"	2-3/8"	11/8"	SF1471-050	1
3/	4"	41/4"	2-9/16"	3-1/4"	1½"	SF1471-075	1
1	"	41/4"	2-9/16"	3-1/4"	1½"	SF1471-100	1
13	/2"	55/8"	3-5/16"	4-5/16"	2"	SF1471-150	1
2	2"	55%"	3-5/16"	4-5/16"	2"	SF1471-200	1



- 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<sup>®</sup> for price and availability.

#### 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 1/4" 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

- · capacitance Phase Shift probe
- 1/2" NPT gland standard
- minimum dielectric constant 1.8
- temperature range: -14°F to 250°F (-26°C to 121°C)

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





#### ADS 210 Spillguard™ Monitors

#### Application:

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

- · 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	A210-24	A210-120
with bypass timer	A210B-24	A210B-120
with external reset switch	A210R-24	A210R-120



#### ADS Spillguard™ Probes

#### **Capacitance Probes**

#### Application:

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

#### Materials:

probe: 316 stainlesshousing: NEMA 4X, IP66

#### Features:

- 1/2" NPT sliding fitting standard, 3/4" 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		
Lengui	Capacitance	High-Temp	
12"	A200PC12A	A200PHC12A	
24"	A200PC24A	A200PHC24A	
36"	A200PC36A	A200PHC36A	
48"	A200PC48A	A200PHC48A	
60"	A200PC60A	A200PHC60A	
72"	A200PC72A	A200PHC72A	
84"	A200PC84A	A200PHC84A	

#### **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**

- 1/2" NPT sliding fitting standard, 3/4" 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		
Lengui	Single Electrode	Dual Electrode	
12"	A200PCSS12A	A200PCSSDP12A	
24"	A200PCSS24A	A200PCSSDP24A	
36"	A200PCSS36A	A200PCSSDP36A	
48"	A200PCSS48A	A200PCSSDP48A	
60"	A200PCSS60A	A200PCSSDP60A	
72"	A200PCSS72A	A200PCSSDP72A	
84"	A200PCSS84A	A200PCSSDP84A	

#### **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 Outalarm Float Probe	A200 Float Probe
24"	A100F24DA	A200F24DA
36"	A100F36DA	A200F36DA
48"	A100F48DA	A200F48DA

#### **Multi-Point Ultrasonic Probes**

#### Application:

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

- 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

Longth	316 stainless steel	316 stainless steel
Length	Standard Outgauge Part #	Outgauge with J Bar Part #
2'	A800OG2	A800OGJ2
3'	A800OG3	A800OGJ3
4'	A800OG4	A800OGJ4
5'	A800OG5	A800OGJ5

#### **ADS Gauge Rods**

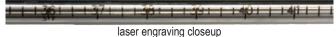
#### Application:

• used to gauge liquid levels in any mobile tank

#### Features:

- 1/2" x .065 wt hardened 316 stainless steel
- laser engraved scale with 1/4" 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

	316 Stainless Steel
Description	Part #
4'	ADS4GR
8'	ADS8GR
12'	ADS12GR



#### 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'	A200CA3P15	A200CA5P15
20'	A200CA3P20	A200CA5P20
25'	A200CA3P25	A200CA5P25
50'	A200CA3P50	A200CA5P50

#### Rubber Cable 1



Length	3 Pin
25'	A200CB3P25

<sup>&</sup>lt;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



#### **Tank Washout Caps**

Description	Part
tank truck 3" wash-out adapter, ½" NPT	A100TTA
tank truck 3" wash-out adapter, 3/4" NPT	A100TTB
washout cap with swivel	A200SA
washout cap with swivel and 2" vent	A200SVA



A100TTA



A200SA

#### **Cable Junction Boxes**

Description	Part
3 pin	A210CR-3
5 pin	A210CR-5



A210CR-3

#### **Additional Parts & Accessories**

Description	Part
1" cam and groove coupler and ½" NPT bushing, stainless steel	A100CA1050
1" cam and groove coupler with ½" NPT busing and 1" NPT vent tee, stainless	A100CA1050V
A100 / 200 splash guard, with 11/s" diameter poly	A100SG-POLY
locating tab for A100 / 200 probes	A100LT
replacement A100 monitor only	A100MTR
cable to monitor adapter	A100CBLMTR
A210 Piezo horn 24VDC	A210PZH-24
tri color external signal light	A210-120TC



A210PZH-24



A210-12TC

D
L

Boss™ System	67 to 77	Holedall™	85 to 106
Ground joint	67 to 69	Coupling machines	85
Complete female	67	Recommended working pressure	86
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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 x NPT	Plated Steel and / or Iron Part #	316 Stainless Steel Part #	<i>Brass</i> Part #
1/4"	<b>GF1</b> <sup>1</sup>		
3/8"	<b>GF3</b> <sup>1</sup>		
1/2"	GF6		
½" x ¾"	GF26-1		
3/4"	GF26	RGF26	BGF26
1"	GF36	RGF36	BGF36
11/4"	GF51	RGF51	
1½"	GF61	RGF61	
2"	<b>GF81</b> <sup>2</sup>	RGF81 <sup>2</sup>	
2½"	<i>GF</i> 96		
3"	GF111		
4"	GF141		
6"	<b>GF201</b> <sup>1</sup>		





brass

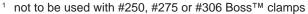
plated iron / steel

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



**Boss™ Ground Joint Stems** 

Hose Shank x NPT	Plated Steel and / or Iron Part #	Optional Qty	316 Stainless Steel Part #	<i>Brass</i> Part #
1/4"	GBA	100		
3/8"	GCA	100		
1/2"	GB1	100		
½" X ¾"	GB6-1	50		
3/4"	GB6	50	RGB6	BGB6
1"	GB11	50	RGB11	BGB11
11/4"	GB16	25	RGB16	
1½"	GB21	25	RGB21	
2"	<b>GB26</b> <sup>2</sup>	10	RGB26 <sup>1</sup>	
21/2"	GB31	5		
3"	<b>GB36</b> <sup>2</sup>	5		
4"	GB46	5		
6"	GB66	2		



<sup>&</sup>lt;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.



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





plated iron / steel



316 stainless steel



brass

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

#### B

#### Boss™ **Wing Nuts**



plated iron / steel



316 stainless steel



brass

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

#### **Boss<sup>TM</sup> Knurled Nut**



Size	Plated Steel Part #	Optional Qty
3/4" and 1"	KB12	25

#### **Boss™ Ground Joint Female Spuds**



Thread	Plated Steel and / or Iron Part #	Optional Qty	316 Stainless Steel Part #	<i>Brass</i> Part #
1/4"	GBC <sup>1</sup>	100		
3/8"	GCC <sup>1</sup>	100		
1/2"	GB3	100		
3/4"	GB8	50	RGB8	BGB8
1"	GB13	50	RGB13	BGB13
11/4"	GB18	25	RGB18	
1½"	GB23	25	RGB23	
2"	GB28	10	RGB28	
2½"	GB33	5		
3"	GB38	5		
4"	GB48	5		
6"	GB68 <sup>1</sup>	2		

 $<sup>^{1}\,</sup>$  ½",  $^{3}$ %" and 6" available only with copper seat spuds, all other sizes have polymer seats

#### **Boss™ Ground Joint Male Spuds**

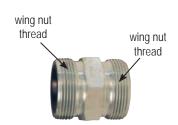
Thread	Plated Steel Part #	Plated Iron Part #
3/8"	GMC <sup>1</sup>	
1/2"	GM3	
3/4"	GM8	
1"	GM13	
1¼"		GM18
1½"		GM23
2"		GM28
2½"		GM33
3"		GM38



Hose Coupling Systems

#### **Boss™ Ground Joint Double Spuds**

Thread	Plated Steel Part #	Plated Iron Part #
1/2"	GDB3	
3⁄4" and 1"	GDB13	
1¼" and 1½"		GDB23
2"		GDB28
2½"		GDB33
3"		GDB38



#### Boss Holedall™ **Fittings**

#### **Applications:**

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



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

Size	Hose OD		Plated Iron / Steel	Stainless Steel
Size	From	То	Part #  GF26P1 GF26P2 GF26P3 GF36P1 GF36P2 GF36P3 GF61P1 GF61P2 GF61P3	Part #
	1-10/64"	1-14/64"	GF26P1	
3/4"	1-15/64"	1-18/64"	GF26P2	
	1-19/64"	1-22/64"	GF26P3	
	1-30/64"	1-34/64"	GF36P1	
1"	1-35/64"	1-38/64"	GF36P2	
	1-39/64"	1-42/64"		
	1-58/64"	2"	GF61P1	RGF61P1
1½"	2-1/64"	2-8/64"	GF61P2	RGF61P2
	2-9/64"	2-16/64"	GF61P3	
	2-28/64"	2-40/64"	GF81P1 <sup>1</sup>	RGF81P1
2"	2-41/64"	2-48/64"	GF81P2 <sup>1</sup>	RGF81P2
	2-49/64"	2-56/64"	GF81P3 <sup>1</sup>	
	3-30/64"	3-40/64"	GF111P1 <sup>1</sup>	
3"	3-41/64"	3-48/64"	GF111P2 <sup>1</sup>	
	3-49/64"	3-56/64"	GF111P3 <sup>1</sup>	

<sup>&</sup>lt;sup>1</sup> ¼", ¾" and 6" available only with copper seat spuds, all other sizes have polymer seats

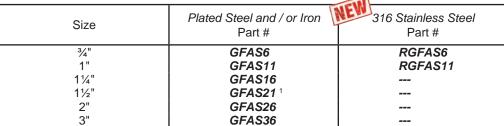
<sup>1 2&</sup>quot; and 3" have a machined shank



#### **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



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



#### **Male NPT**



		-111
Size	Plated Steel and / or Iron Part #	316 Stainless Steel Part #
3/4"	GMAS6	RGMAS6
1"	GMAS11	
11/4"	GMAS16	<b></b>
1½"	GMAS21	
2"	<b>GMAS26</b> <sup>1</sup>	
3"	GMAS36	

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

#### Boss™ Wing Nut Caps

- 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 Part #	316 Stainless Steel Part #	Opt Qty
3/4" and 1"	B12SC	RB12SC	25
1¼" and 1½"	B17SC		25
2"	B27SC		10
3"	B37SC		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



# **Boss™ Washer Seal Couplings with Female Spud**

Hose Shank x NPT	Plated Steel and / or Iron Part #	316 Stainless Steel Part #
3/8"	WF3	
1/2"	WF6	
½" X ¾"	WF26-1	
3/4"	WF26	RWF26
1"	WF36	RWF36
1¼"	WF51	RWF51
1½"	WF61	RWF61
2"	WF81 <sup>1</sup>	RWF81 <sup>1</sup>
2½"	WF96	
3"	WF111	







not to be used with #250, #275 or #306 Boss™ clamps

### **Boss™ Washer Seal** Stems

Hose Shank x NPT	Plated Steel and / or Iron Part #	Opt Qty	316 Stainless Steel Part #	
3/8"	SS337	100		
1/2"	B1	100		
½" X ¾"	B6-1	50		
3/4"	В6	50	RB6	•
1"	B11	50	RB11	
11/4"	B16	25	RB16	
1½"	B21	25	RB21	Married States and Sta
2"	<b>B26</b> <sup>1</sup>	10	RB26 <sup>1</sup>	
21/2"	B31	5		
3"	B36	5		



not to be used with #250, #275 or #306 Boss™ clamps

### **Boss™ Washer Seal Female Spuds**

Thread Size	Plated Steel and / or Iron Part #	Opt Qty	316 Stainless Steel Part #
3/8"	СС	100	
1/2"	В3	100	
3/4"	B8	25	RB8
1"	B13	50	RB13
1¼"	B18	25	RB18
1½"	B23	25	RB23
2"	B28	10	RB28
2½"	B33	5	
3"	B38	5	

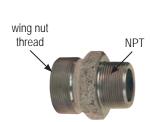




В



# Hose Coupling Systems



	<b>Boss</b> ™	<b>Washer</b>	Seal	Male	<b>Spuds</b>
--	---------------	---------------	------	------	--------------

Thread	Plated Steel or Iron Part #	
3/8"	WMC <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>	
11/4"	<b>WM18</b> <sup>2</sup>	
1½"	<b>WM23</b> <sup>2</sup>	
2"	<b>WM28</b> <sup>2</sup>	
3"	<b>WM38</b> <sup>2</sup>	

plated steelplated iron

# **Boss™ Washer Seal Double Spuds**



Thread	Plated Steel or Iron 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>
11/4"	<b>DB23</b> <sup>2</sup>
1½"	<b>DB23</b> <sup>2</sup>
2"	<b>DB28</b> <sup>2</sup>
3"	<b>DB38</b> <sup>2</sup>

plated steelplated iron

# **Boss™ Washer Seal Washers**



Size	Nitrile Rubber Bonded, Non-Asbestos Klingersil® C-4401 Part #
3/8"	WBC
1/2"	W2
3/4"	W12
1"	W12
11/4"	W17
1½"	W17
2"	W27
2½"	W32
3"	W37

# Boss™ Male Stems

- 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

					$\overline{}$
Hose x NPT size	Plated Steel Bar Stock Part #	Opt Qty	Size	<i>Plated Iron</i> Part #	Opt Qty
1/11 1/11	140 4)40	400			
1⁄4" x 1⁄8"	MS4X2	100			
1/4" x 1/4"	MSA	100			
1/4" X 3/8"	MSB	25			
3/8" X 1/4"	MS6X4	100	11/4"	MS16	20
3/8" X 3/8"	MSC	100	1½"	MS21	20
3/8" X 1/2"	MS6X8	50	2"	MS26	10
½" x ¼"	MS8X4	50	2½"	MS31	5
½" X ¾"	MS8X6	50	3"	MS36	5
½" x ½"	MS1	50	4"	MS46	2
½" X ¾"	MS8X12	25			
3/4" X 1/2"	MS12X8	25			
3/4" X 3/4"	MS6	50			
¾" x 1"	MS12X16	25			
1" x ¾"	MS16X12	25			
1" x 1"	MS11	25			



plated steel



plated iron



316 stainless

Size	316 Stainless Part #	Size	<i>Brass</i> Part #
1/2"	RMS1		
3/4"	RMS6	3/4"	BMS6
1"	RMS11	1"	BMS11
11/4"	RMS16	1¼"	BMS16
1½"	RMS21	1½"	BMS21
2"	RMS26	2"	BMS26
2½"	RMS31		
3"		3"	



brass



# Hose Coupling Systems



### LP Boss™ Male Stems - Male NPT End

Size	Schedule 40 Plated Steel	Schedule 40 Stainless Steel	Schedule 80 Plated Steel
	Part #	Part #	Part #
11/4"	LP16		LP16-80 <sup>1</sup>
1½"	LP21		LP21-80 <sup>1</sup>
2"	LP26		LP26-80 <sup>1</sup>
2½"	LP31		
3"	LP36	RLP36	
4"	LP46	RLP46	
6"	LP66		

<sup>&</sup>lt;sup>1</sup> schedule 80 stems meet NFPA 58

# B

### LP Boss™ Male Stems - Beveled End



Size	Schedule 40 Unplated Steel Part #
2"	LPB26
3"	LPB36

# Boss™ Hose **Menders**

### Features:

- collars designed to engage gripping fingers of Boss™ clamps
- 3/4" 3" plated iron; 1/2" plated steel



Size	Part #
7/2" 3/4" 1" 11/4" 11/2" 2"	M1 M6 M11 M16 M21 M26
2½" 3"	M31 M36

# Boss™ **Spud x Hose Shank**

### Material:

seat: polymer



Thread	Steel Part #
1"	GH1311
2"	GH2826

### Boss™ Clamps

# **AWARNING**

- 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

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



### 4 Bolt Type, 2 Gripping Fingers

Hose ID	Hose	e OD to	Zinc Plated Iron Part #	Pkg Qty	Stainless Steel <sup>4</sup> Part #	Torque <sup>2</sup> ft. lbs.	<i>Brass</i> Part #	Torque
1"	1-34/64"	1-46/64"	BU14	25	RBU14	21	BBU14	18
1"	1-44/64"	1-60/64"	B14	25	RB14	21	55014	
1"	1-60/64"	2-8/64"	B15	20	ND14	21		
11/4"	1-32/64"	1-50/64"	BU18	20		40		<b></b>
11/4"	1-50/64"	2-6/64"	BU19	10		40		
11/4"	2-8/64"	2-24/64"	B19	10	RB19	40		
1½"	1-52/64"	2"	BU22	10		40		
1½"	2"	2-14/64"	B22	10		40		
1½"	2-12/64"	2-24/64"	BU24	10	RBU24	40		
1½"	2-24/64"	2-36/64"	B24	10	RB24	40		
1½"	2-36/64"	2-48/64"	B25	10		40		
2"	2-22/64"	2-34/64"	BU28	9		60		
2"	2-32/64"	2-50/64"	BU29	10	RBU29	60	BBU29 1	40
2"	2-48/64"	3-4/64"	B29	10	RB29	60		
2"	3-6/64"	3-28/64"	B30	5		60		
21/2"	3-6/64"	3-28/64"	BU34	5		60		
21/2"	3-32/64"	3-60/64"	B34	5		150		
3"	3-32/64"	3-60/64"	BU35	5	RBU35	150		
3"	3-52/64"	4-4/64"	B35	5		150		
3"	4-4/64"	4-28/64"	B39	5		200		



- will become obsolete as inventory is depleted
- 2 torque applies to plated iron and stainless steel clamps
- <sup>3</sup> global investment cast carbon steel
- 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

# **AWARNING**

- 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

### 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	Hose	OD	Zinc Plated Iron	Optional	Torque
ID	from	to	Part #	Qty	Ft. Lbs.
1/2"	58/64"	1-2/64"	968	50	6
1"	1-26/64"	1-36/64"	156	20	21
11/4"	1-44/64"	1-56/64"	187	10	21
11/4"	1-56/64"	2-4/64"	206	20	21
1½"	2"	2-8/64"	212	10	21
1½"	2-4/64"	2-16/64"	225	10	40
2"	2-16/64"	2-32/64"	<b>250</b> ¹	10	40
2"	2-32/64"	2-48/64"	<b>275</b> ¹	10	40
2"	2-48/64"	3-4/64"	<b>306</b> <sup>1</sup>	5	60
21/2"	3-4/64"	3-32/64"	350	5	60
3"	3-32/64"	3-48/64"	375	5	60
3"	3-48/64"	4"	401	5	150
3"	4"	4-12/64"	418	2	200
3"	4-12/64"	4-32/64"	450	2	200

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



### 6 Bolt Type, 3 Gripping Fingers



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

### 6 Bolt Type, 6 Gripping Fingers



Hose	Hose OD		Zinc Plated Iron	Optional	Torque
ID	from	to	Part #	Qty	Ft. Lbs.
6"	6-56/64"	7-24/64"	750	1	200
6"	7-32/64"	8"	850	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<sup>™</sup> clamps on page 75 -76

Style	NPT Size	Plated Steel / Iron Part #
Compact	1/2" 3/4"	GDF6 GDF8
Heavy Duty	<sup>3</sup> ⁄ <sub>4</sub> " 1"	GDF10 GDF12



# Hose Coupling Systems

### **Stems**

Style	Hose ID	Plated Steel Part #
Compact	½" 3/4"	GBA45 GBA46
Heavy Duty	<sup>3</sup> ⁄ <sub>4</sub> " 1"	GBB18 GBB11



### Wing Nuts

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



### **Female Spuds**

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



### **Male Spuds**

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



### **Double Spuds**

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



# В

### **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<sup>®</sup> King Crimp<sup>™</sup> sleeves or ferrules.
- 400 PSI working pressure at 70°F (21°C) for 3" and 4" sizes; 4:1 safety factor (SF) 1
- 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)
- 1 400 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, CF400-6CSHD through CF400-16CSHD 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**



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

### **Female**



3" and 4"



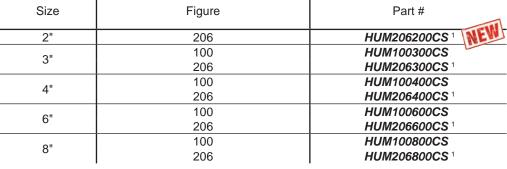
Size	Figure	Part #		
2"	206	NEW HUF206200CS		
3"	100	HUF100300CS		
3	206	HUF206300CS		
4"	100	HUF100400CS		
4	206	HUF206400CS		
6"	100	HUFALL600CS 1		
	206	HOFALLOUGS		
8"	100	HUFALL800CS 1		
0	206	HUFALLOUGS		

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

# **Dixon® Frac Fittings**

### Male with Nut

Size	Figure	Part #
2"	206	HUM206200CS 1 NEW
3"	100	HUM100300CS
3	206	HUM206300CS 1
4"	100	HUM100400CS
4	206	HUM206400CS 1
6"	100	HUM100600CS
0	206	HUM206600CS 1
8"	100	HUM100800CS
0	206	HUM206800CS 1





3" and 4"



# **Suction Service Fittings**

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



HUSM500SW-1



HUSF500SW

# **Dixon® Frac Fitting O-rings**

Size	Figure	Buna-N Part #
3"	206	O238BU
4"	206	O347BU
6"	206	O440BU
8"	206	O447BU



# King Crimp™ Style Short Frac Ferrules

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



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

### **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	Forged Steel AISI Standards Part #	
2"	206	NEW HU206200N	
3"	100	HU100300N	
3	206	HU206300N	
4"	100	HU100400N	
4"	206	HU206400N	
CII	100	HU100600N	
6"	206	HU206600N	
0.11	100	HU100800N	
8"	206	HU206800N	



### **Two-Piece**

### Applications:

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

- 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®



figure 200 / 206

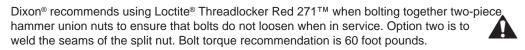




figure 100

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

## **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	HUC206200
	206	includes nut/plug body, O-ring and retaining ring	HUC206400
4"	206	blue with nut/plug body and retaining ring with bolt & chain	HUC206400BC
4	207	cap only	HUC207400
		blanking cap with bolt & chain	HUC207400BC
6"	206	includes nut/plug body, o-ring and retaining ring	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 with chain and d-link (shackle/bolt)	HUP207400 HUP207400DC
6"	100/200/206	hammer union, connects to figures 100/200/206	HUPALL600 м
8"	100/200/206	hammer union, connects to figures 100/200/206	HUPALL800





HUPALL600

### **O-ring**

Size	<i>Buna-N</i> Part #
4"	O429BU





### **Dixon® One-Piece Flange Adapters**

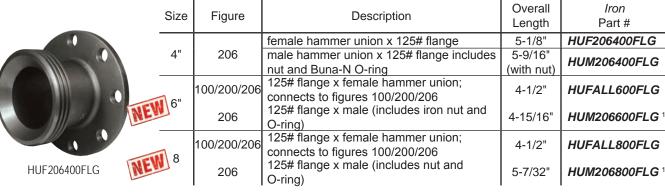
### Application:

- 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

### Flange Adapters - Straight



<sup>1</sup> nut is iron

### Flange Adapters - Short



HUM206400FLG-ST

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

### Flange Adapters - 45° Elbow



HUM206400FLG-45

Size	Figure	Description	Overall Length	<i>Iron</i> Part #
4"	000	female hammer union x 125# flange 45° elbow	10-31/32"	HUF206400FLG-45
4"	206	male hammer union x 125# flange 45° elbow includes nut and Buna-N O-ring	12-1/32" (with nut)	HUM206400FLG-45



	O-ring
Size	Buna-N Part #
4"	O347BU

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

O rina

### **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 Part #
4"	150# flange x weld adapter, vertical 150# flange x weld adapter, offset 150# flange x weld adapter, vertical 150# flange x weld adapter, offset	WA4FL12X750-1 WA4FL12X750-2 WA4FL12X1050-1 WA4FL12X1050-2
		•





### **Offset Pattern**



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

### 125# Flange x Male NPT

Size	Description	Ductile Iron Part #
4"	125# flange x male NPT 125# flange x male NPT - long	4FAMT 4FAMTL



Size	Figure	Description	<i>Iron</i> Part #
2"	206	male NPT x female hammer union	HUF206200MT

10½"





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

Size	Figure	Description	Ductile Iron Part #
4"	206	male hammer union x female hammer union 45° elbow male hammer union x female hammer union 60° elbow male hammer union x female hammer union 80° elbow male hammer union x female hammer union 90° elbow	HUMF20640060 HUMF20640080



HUMF20640080



### **Boss<sup>™</sup> 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 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.

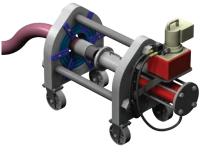
### 15 Ton Ram



### 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: 1/2 h.p., 115 volt, 60 cycle, single phase with foot pedal

## 100 Ton Ram



### Features:

- for externally swaging Holedall™ fittings to hose, sizes 11/4 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: 11/8 h.p., 115 volt, 60 cycle, single phase motor is standard with remote, (220/440 volt motors are available)

### 350 Ton Ram



### 25 Ton Ram



### Features:

- can externally swage 1/4" 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

### 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: 121/2 h.p., 230 volt, 60Hz, 3 phase motor is standard with remote



### Features:

- can externally swage 1½" 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 11/8 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**

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<sup>TM</sup> couplings are not to be used with plastic lineu criefing.

Holedall<sup>TM</sup> couplings (Externally Swaged), to perform satisfactorily, must be applied properly in accordance with Dixon® assent 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 stemplifications of the recommended. Consult the Compatible with the stemplifications of the recommended of the compatible with the stemplifications of the recommended. Consult the Compatible with the stemplifications of the recommended of the compatible with the stemplifications of the recommended of the compatible with the stemplifications of the recommended of the compatible with the stemplifications of the recommended of the compatible with the stemplifications of the recommended of the compatible with the stemplifications of the recommended of the compatible with the stemplifications of the recommended of the compatible with the stemplifications of the recommendation of the compatible with the stemplifications of the recommendation of the compatible with the stemplifications of the recommendation of the compatible with the comp Holedall™ couplings (Externally Swaged), to perform satisfactorily, must be applied properly in accordance with Dixon® assembly 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

pressure for the fitting (reference chart below) 2. 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 or contact Dixon® for material compatibility. For applications other than the ones listed, please consult Dixon®.

### **Externally Swaged**

### **Internally Expanded**

			Light Duty Fittings					Flancobiat /
Size	Standard Fittings <sup>1</sup>	Long Style Fittings <sup>1</sup>	NO Notched Fittings <sup>1</sup>	NOS Notched Short Fittings <sup>1</sup>	Cam and Groove <sup>1</sup>	Holedall™ DIN Crimp Stems ¹	Internally Expanded <sup>1</sup>	Flow Chief / Crimp Sanitary Fittings <sup>1</sup>
	TM, TP, TG, TMR, TPR, TGR	TML, TPL, TGL	TM, TP, TG, RN•••NO	RST•••NOS, STC•••NOS, GAS••••NOS		НА••••	IXM, IXV, IXH	IXSE, IXFS, IXMS, CSSR
3/4"								
1"					250			
11/4"	600	1,000	350				800	
13%"								
1½"	600	1,000	350	250	250	145	800	250
2"	600	1,000	350	250	250	145	800	250
21/2"	600	1,000	250		150		600	250
3"	600	1,000	250	250	125	145	600 <sup>3</sup>	250
4"	500	850	250	4	100		<b>500</b> <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

### 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<sup>®</sup>.

### 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.

The assembly's (hose + coupling) maximum working pressure is the lesser of:

<sup>1)</sup> The hose rated working pressure, or

<sup>2)</sup> The coupling rated working pressure

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.

Contact Dixon® for pressure reccomendations

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.

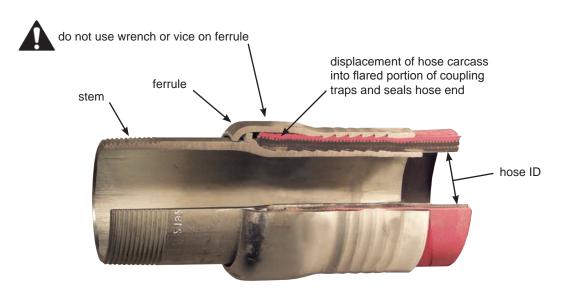
This multi-purpose, high pressure coupling system requires no bolts and results in a clean coupling with no protrusions. The swaging operation is fast and hose of various lengths and different styles can be coupled. Ease of operation, flexibility and economy make the Holedall™ method an unequalled assembly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





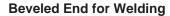


### **Male NPT End Tubular Type**

### Features:

- designed for hose ID's 11/4" 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 Part #	<i>316 Stainl</i> ess Part #	Long Style <i>Carbon Steel</i> Part #
11/4"	TM20	TMR20	TML20
1½"	TM24	TMR24	TML24
2"	TM32	TMR32	TML32
21/2"	TM40	TMR40	TML40
3"	TM48	TMR48	TML48
4"	TM64	TMR64	TML64
5"	TM80		TML80
6"	TM96	TMR96	TML96
O	TMR96-42		
8"	TM128		TML128
10"	TM160		





Hose ID	Unplated Carbon Steel Part #	316 Stainless Steel Part #	Long Style <i>Unplated Carbon Steel</i> Part #
11/4"	TP20		TPL20
1½"	TP24		TPL24
2"	TP32	TPR32	TPL32
2½"	TP40		TPL40
3"	TP48	TPR48	TPL48
4"	TP64	TPR64	TPL64
5"	TP80		TPL80
6"	<i>TP</i> 96		TPL96
8"	TP128		TPL128
10"	TP160		TPL160

### **Grooved End**



Hose ID	Plated Carbon Steel Part #	316 Stainless Part #	Long Style Plated Carbon Steel Part #
11/4"	TG20		TGL20
1½"	TG24	TGR24	TGL24
2"	TG32	TGR32	TGL32
21/2"	TG40	TGR40	TGL40
3"	TG48	TGR48	TGL48
4"	TG64	TGR64	TGL64
5"	TG80		TGL80
6"	TG96		TGL96
8"	TG128		TGL128
10"	TG160		TGL160

DPL418

# Special Holedall™ Stems

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



• use with external swage ferrules on page 91

# **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	Stainless Steel		
1103610	From	l To	Part #	Part #		
	2-28/64"	2-40/64"	32P1SO15	R32P1SOR15		
2"	2-41/64"	2-48/64"	32P2SO15	R32P2SOR15		
	2-49/64"	2-56/64"	32P3SO15	R32P3SOR15		
	3-30/64"	3-40/64"	48P1SO15	R48P1SOR15		
3"	3-41/64"	3-48/64"	48P2SO15	R48P2SOR15		
	3-49/64"	3-56/64"	48P3SO15	R48P3SOR15		
	4-40/64"	4-44/64"	64P1SO15	R64P1SOR15		
4"	4-45/64"	4-52/64"	64P2SO15	R64P2SOR15		
	4-53/64"	4-60/64"	64P3SO15	R64P3SOR15		
	7"	7-4/64"	96P1SO15	R96P1SOR15		
6"	7-5/64"	7-12/64"	96P2SO15	R96P2SOR15		
	7-13/64"	7-20/64"	96P3SO15	R96P3SOR15		
	9-20/64"	9-24/64"	128P1SO15			
8"	9-25/64"	9-32/64"	128P2SO15			
	9-33/64"	9-40/64"	128P3SO15			



### Floating Flange

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



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

# Hose Coupling Systems

# **External Swage** Stems - **Female End**



two piece design 1"



one piece design 1¼" - 2"

Size	Hose OD		Plated Carbon Steel
Size	from	to	Part #
	1-30/64"	1-34/64"	TF16WF1-80
1"	1-34/64"	1-38/64"	TF16WF2-80
	1-35/64"	1-42/64"	TF16WF3-80
	1-44/64"	1-48/64"	TF20WF1-80 <sup>1</sup>
11/4"	1-49/64"	1-56/64"	TF20WF2-80 <sup>1</sup>
	1-57/64"	2"	TF20WF3-80 <sup>1</sup>
	2-36/64"	2-40/64"	TF32WF1-80 <sup>1</sup>
2"	2-41/64"	2-48/64"	TF32WF2-80 <sup>1</sup>
	2-49/64"	2-56/64"	TF32WF3-80 <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> Special pusher required for 1¼" and 2" sizes: 1¼" 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.

- designed for smaller hose systems, hose ID's of  $\frac{1}{4}$ " 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	Hos From	e ID   To	Plated Carbon Steel Part #	Stainless / Carbon Steel Part #	Stainless Steel Part #
	34/64"	38/64"	4P1		
1/4"	38/64"	42/64"	4P2		
	42/64"	46/64"	4P3		
	46/64"	50/64"	6P1		
3/8"	50/64"	54/64"	6P2		
	54/64"	58/64"	6P3		
	54/64"	58/64"	8P1		
1/2"	58/64"	62/64"	8P2		R8P2SS
İ	62/64"	1-2/64"	8P3		
	1-6/64"	1-12/64			R12P1250
	1-10/64"	1-14/64"	12P1	R12P1	
3/4"	1-13/64	1-22/64			R12P1370
	1-14/64"	1-18/64"	12P2	R12P2	
	1-18/64"	1-22/64"	12P3	R12P3	
	1-30/64"	1-34/64"	16P1	R16P1	
	1-30/64"	1-38/64"			R16P1620
1"	1-34/64"	1-38/64"	16P2	R16P2	
'	1-38/64"	1-42/64"	16P3	R16P3	
	1-38/64"	1-46/64"			R16P1770
	1-42/64"	1-46/64"	16P4	R16P4	

### **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®.

- · 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

	Hose		Plated Carbon Steel	Plated Carbon Steel
Size	From	To	Part #	Long Style Part #
	1-44/64"	1-48/64"	F20-1	FL20-1
	1-49/64"	1-46/64	F20-1 F20-2	FL20-1 FL20-2
11/4"	1-57/64"	2"	F20-3	FL20-3
	2-1/64"	2-8/64"	F20-4	FL20-4
	1-58/64"	2"	F24-1	FL24-1
	2-1/64"	2-8/64"	F24-2	FL24-2
1½"	2-9/64"	2-16/64"	F24-3	FL24-3
	2-17/64"	2-24/64"	F24-4	FL24-4
	2-25/64"	2-32/64"	F24-5	FL24-5
	2-28/64"	2-40/64"	F32-1 F32-2	FL32-1 FL32-2
2"	2-41/64" 2-49/64"	2-48/64" 2-56/64"	F32-2 F32-3	FL32-2 FL32-3
	2-49/04 2-57/64"	3-2/64"	F32-3 F32-4	FL32-3 FL32-4
	2-62/64"	3-8/64"	F40-1	FL40-1
	3-9/64"	3-16/64"	F40-2	FL40-2
21/2"	3-17/64"	3-24/64"	F40-3	FL40-3
	3-25/64"	3-32/64"	F40-4	FL40-4
	3-33/64"	3-40/64"	F40-5	FL40-5
	3-30/64"	3-40/64"	F48-1	FL48-1
0.11	3-41/64"	3-48/64"	F48-2	FL48-2
3"	3-49/64"	3-56/64" 4"	F48-3	FL48-3
	3-57/64" 4-1/64"	4 4-8/64"	F48-4 F48-5	FL48-4 FL48-5
	4-30/64"	4-39/64"	F64-Z1	FL46-5 FL64-Z1
	4-40/64"	4-44/64"	F64-1	FL64-1
	4-45/64"	4-52/64"	F64-2	FL64-2
	4-53/64"	4-60/64"	F64-3	FL64-3
4"	4-61/64"	5-4/64"	F64-4	FL64-4
	5-5/64"	5-12/64"	F64-5	FL64-5
	5-13/64"	5-20/64"	F64-6	FL64-6
	5-21/64	5-28/64"	F64-7	FL64-7
	5-29/64" 5-56/64"	5-36/64" 5-60/64"	F64-8 F80-1	FL64-8 FL80-1
	5-61/64"	6-4/64"	F80-2	FL80-2
	6-5/64"	6-12/64"	F80-3	FL80-3
5"	6-13/64"	6-20/64"	F80-4	FL80-4
	6-21/64"	6-28/64"	F80-5	FL80-5
	6-29/64"	6-38/64"	F80-6	FL80-6
	6-37/64"	6-44/64"	F80-7	FL80-7
	6-44/64" 7"	6-63/64"	F96-Z1	FL96-Z1
	7-5/64"	7-4/64" 7-12/64"	F96-1 F96-2	FL96-1 FL96-2
	7-3/64"	7-12/04	F96-3	FL90-2 FL96-3
0.11	7-21/64"	7-28/64"	F96-4	FL96-4
6"	7-29/64"	7-36/64"	F96-5	FL96-5
	7-37/64"	7-44/64"	F96-6	FL96-6
	7-45/64"	7-52/64"	F96-7	FL96-7
	7-53/64"	7-60/64"	F96-8	FL96-8
	7-61/64"	8"	F96-9	FL96-9
	8-53/64" 9"	8-56/64" 9-9/64"	F128-X <sup>1</sup> F128-Y	 FL128-Y
	9-20/64"	9-24/64"	F128-1	FL128-1
	9-25/64"	9-32/64"	F128-2	FL128-2
8"	9-33/64"	9-40/64"	F128-3	FL128-3
	9-41/64"	9-48/64"	F128-4	FL128-4
	9-49/64"	9-56/64"	F128-5	FL128-5
	9-57/64"	10"	F128-6	FL128-6
	10-1/64"	10-4/64"	F128-7	FL128-7
	11-32/64"	11-44/64"	F160-1	FL160-1
	11-45/64" 11-61/64"	11-60/64" 12-12/64"	F160-2 F160-3	FL160-2 FL160-3
10"	12-13/64"	12-12/04	F160-3 F160-4	FL160-3 FL160-4
	12-13/04	12-24/64"	F160-5	FL160-4
	12-45/64"	12-60/64"	F160-6	FL160-6
				-





long style

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

for applications with hose OD ranges not listed, contact Dixon<sup>®</sup>



- 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 for specific pressure recommendations

Hose ID	Hose	e OD	304 Stainless Steel		
11036 10	From	То	Part #		
1½"	1-60/64"	2-12/64"	GAS2334TO		
	2-4/64"	2-22/64"	GAS2370TO		
2"	2-30-64"	2-44/64"	GAS2709TO		
2	2-42/64"	2-54/64"	GAS2885TO		
3"	3-30/64"	3-46/64"	GAS3760TO		
	3-47/64"	3-54/64"	GAS3885TO		
4"	4-40/64"	4-47/64"	GAS5010TO		



### **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 Part #
2"	2"	LM32-*
2½"	2½"	LM40-*
3"	3"	LM48-*



### **Male API Thread Coupling Units**

	A D1 O:	Zinc Plated Steel
Hose ID	API Size	Part #
2"	01/#	
2"	2½"	LM3240- *
2½"	3"	LM4048- *
3"	4"	LM4864- *

### **Internal Expansion Coupling System**

### Applications:

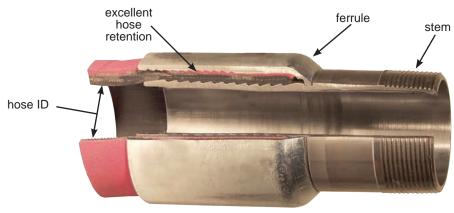
• Essential in applications requiring maximum flow including: concrete pump hose, plaster and grout hose, oil suction and discharge hose, multi-purpose heavy duty air hose, jetting hose, barge loading hose and bottom loading hose.

### 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<sup>®</sup>

Holedall™ stems and ferrules are specifically designed to be used together as a coupling system. Due todifferences 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 PSI <sup>1</sup>	Carbon Steel Part #
1"		IXM16
11/4"	800	IXM20
1½"	800	IXM24
2"	800	IXM32
2½"	600	IXM40
3"	600 <sup>2</sup>	IXM48
4"	<b>500</b> <sup>2</sup>	IXM64
6"	400	IXM96



- <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**

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



- <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.

# Hose Coupling Systems



### **Internal Expansion Coupling System**

**Grooved End Stems** 

Siz	e Working PSI 1	Carbon Steel Part #
11/4	" 800	IXV20
11/2	" 800	IXV24
2"	800	IXV32
21/2	." 600	IXV40
3"	600 <sup>2</sup>	IXV48
4"		IXV64

- <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**



Here	Hose	Hose OD Ferrule Plated Carbon	11	Hose	OD	Plated Cark	Plated Carbon		
Hose ID	From	То	Ferrule ID	Steel Part #	Hose ID	From	То	Ferrule ID	Steel Part #
1"	1-24/64" 1-28/64"	1-28/64" 1-32/64"	1-7/16" 1-1/2"	IXF16-1 IXF16-2		3-32/64" 3-36/64"	3-36/64" 3-40/64"	3-9/16" 3-5/8"	IXF48-T IXF48-U
•	1-32/64"	1-36/64"	1-9/16"	IXF16-3		3-40/64"	3-44/64"	3-11/16"	IXF48-V
	1-40/64"	1-44/64"	1-11/16"	IXF20-Z		3-44/64"	3-48/64"	3-3/4"	IXF48-W
	1-44/64"	1-48/64"	1-3/4"	IXF20-1		3-48/64"	3-52/64"	3-13/16"	IXF48-X
	1-48/64"	1-52/64"	1-13/16"	IXF20-2	3"	3-52/64"	3-56/64"	3-7/8"	IXF48-Y
1¼"	1-52/64"	1-56/64"	1-7/8"	IXF20-3		3-56/64"	3-60/64"	3-15/16"	IXF48-Z
	1-56/64"	1-60/64"	1-15/16"	IXF20-4		3-60/64"	4"	4"	IXF48-1
	1-60/64"	2"	2"	IXF20-5		4"	4-4/64"	4-1/16"	IXF48-2
	2"	2-4/64"	2-1/16"	IXF20-6		4-4/64"	4-8/64"	4-1/8"	IXF48-3 1
	1-56/64" 1-60/64"	1-60/64" 2"	1-15/16" 2"	IXF24-Z IXF24-1		4-8/64" 4-12/64"	4-12/64" 4-16/64"	4-3/16" 4-1/4"	IXF48-4 <sup>1</sup> IXF48-5 <sup>1</sup>
	2"	2-4/64"	2-1/16"	IXF24-1 IXF24-2	411	4-12/64	4-10/64"	4-1/4	IXF64-T
	2-4/64"	2-4/04	2-1/10	IXF24-2		4-30/64"	4-44/64"	4-11/16"	IXF64-U
1½"	2-8/64"	2-12/64"	2-3/16"	IXF24-4		4-44/64"	4-48/64"	4-3/4"	IXF64-V
	2-12/64"	2-16/64"	2-1/4"	IXF24-5		4-48/64"	4-52/64"	4-13/16"	IXF64-W
	2-16/64"	2-20/64"	2-5/16"	IXF24-6		4-52/64"	4-56/64"	4-7/8"	IXF64-X
	2-20/64"	2-24/64"	2-3/8"	IXF24-7		4-56/64"	4-60/64"	4-15/16"	IXF64-Y
	2-32/64"	2-36/64"	2-9/16"	IXF32-Y	4"	4-60/64"	5"	5"	IXF64-Z
	2-36/64"	2-40/64"	2-5/8"	IXF32-Z		5"	5-4/64"	5-1/16"	IXF64-1
	2-40/64"	2-44/64"	2-11/16"	IXF32-1		5-4/64"	5-8/64"	5-1/8"	IXF64-2 <sup>1</sup>
	2-44/64"	2-48/64"	2-3/4"	IXF32-2		5-8/64"	5-12/64"	5-3/16"	IXF64-3 <sup>1</sup>
2"	2-48/64"	2-52/64"	2-13/16"	IXF32-3		5-12/64"	5-16/64"	5-1/4"	IXF64-4 <sup>1</sup>
	2-52/64"	2-56/64"	2-7/8"	IXF32-4		5-16/64"	5-20/64"	5-5/16"	IXF64-5 <sup>1</sup>
	2-56/64"	2-60/64"	2-15/16"	IXF32-5		6-40/64"	6-44/64"	6-11/16"	IXF96-1
	2-60/64"	3"	3"	IXF32-6		6-44/64"	6-48/64"	6-3/4"	IXF96-2
	3"	3-4/64"	3-1/16"	IXF32-7		6-46/64"	6-50/64"	6-25/32"	IXF96-3
	3"	3-4/64"	3-1/16"	IXF40-1		6-48/64"	6-52/64"	6-13/16"	IXF96-4
	3-4/64"	3-8/64"	3-1/8"	IXF40-2		6-52/64"	6-56/64"	6-7/8"	IXF96-5
	3-8/64"	3-12/64"	3-3/16"	IXF40-3		6-56/64"	6-60/64"	6-15/16" 7"	IXF96-6
21/2"	3-12/64"	3-16/64"	3-1/4"	IXF40-4 IXF40-5	6"	6-60/64" 7"	7"	7-1/16"	IXF96-7
	3-16/64" 3-20/64"	3-20/64"   3-24/64"	3-5/16" 3-3/8"	IXF40-5 IXF40-6		7-4/64"	7-4/64" 7-8/64"	7-1/16 7-1/8"	IXF96-8 IXF96-9
	3-24/64"	3-24/64"	3-3/6 3-7/16"	IXF40-0 IXF40-7		7-4/64 7-8/64"	7-6/64"	7-1/6 7-3/16"	IXF96-10
	3-24/04	3-26/64"	3-1/2"	IXF40-7		7-6/64"	7-12/04	7-3/16 7-1/4"	IXF96-11
	J 0-20/0 <del>1</del>	U-UZ/U+	J- 1/2	IAI <del>1</del> 0-0		7-12/04	7-10/04	7-1/ <del>4</del> 7-5/16"	IXF96-12
						7-16/64"	7-20/04	7-3/10 7-11/32"	IXF96-13
						7-20/64"	7-24/64"	7-3/8"	IXF96-14

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

<sup>•</sup> for use with IX stems on pages 93 - 94

# В

### **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



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### Permanent Male Couplings

Size	Thread	<i>Brass</i> Part #
3/4"	NPT	H5192
1"	NST	H5212NST
11/4"	NPT	H5222-A
1%"	NPT	H5272 <sup>1</sup>
1½"	NST	H5232NST
2"	NPT	H5242
2½"	NPT	H5252
3"	NPT	H5262

<sup>1 1%&</sup>quot; stem has 11/2" thread

### **Permanent Female Couplings**

Size	Thread	<i>Brass</i> Part #
3/4"	NPSH	H5191-BU
1"	NST	H5211NST
11/4"	NPSH	H5221-A-BU
13/8"	NPSH	H5271-BU <sup>1</sup>
1½"	NST	H5231NST <sup>2</sup>
2"	NPSH	H5241-BU
21/2"	NPSH	<b>H5251</b> <sup>3</sup>
3"	NPSH	<b>H5261</b> <sup>3</sup>



### **Permanent Grooved Couplings**

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





<sup>1 1%&</sup>quot; stem has 11/2" thread

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

<sup>3 21/2&</sup>quot; and 3" parts have female NPSM thread

# Hose Coupling Systems



# **Scovill Style Series**

### **Ferrules**

- 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	Hose	OD	Brass
ID	From	То	Part #
	1-4/64"	1-7/64"	R75AAAS
	1-8/64"	1-11/64"	R75AAS
3/4"	1-12/64"	1-14/64"	R75AS
	1-15/64"	1-17/64"	R75BS
	1-18/64"	1-20/64"	R75CS
	1-47/64"	1-50/64"	R1375BS
13/8"	1-51/64"	1-54/64"	R1375CS
178	1-55/64"	1-58/64"	R1375DS
	1-59/64"	1-62/64"	R1375ES
1½"	2-25/64"	2-28/64"	R15GS1
	2-27/64"	2-30/64"	R2AAS
	2-31/64"	2-34/64"	R2AS
	2-35/64"	2-38/64"	R2BS
2"	2-39/64"	2-42/64"	R2CS
	2-43/64"	2-46/64"	R2DS
	2-47/64"	2-50/64"	R2ES
	2-51/64"	2-54/64"	R2FS
	2-62/64"	3-1/64"	R25AS
	3-2/64"	3-6/64"	R25BS
2½"	3-7/64"	3-11/64"	R25CS
Z/2	3-12/64"	3-16/64"	R25DS
	3-17/64"	3-21/64"	R25ES
	3-22/64"	3-26/64"	R25FS
	3-30/64"	3-34/64"	R3AAAS
	3-35/64"	3-39/64"	R3AAS
3"	3-40/64"	3-45/64"	R3AS
	3-46/64"	3-50/64"	R3BS
	3-51/64"	3-54/64"	R3CS

<sup>&</sup>lt;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.

Size	Thread Type	Brass Part #
1"	NPT	H5212-A
11/4"	NPT	H5222-A
1½"	NPT	H5232-A
2"	NPT	H5242L-A
2½"	NPT	H5252L-A
3"	NPT	H5262L-A
4"	NPT	H5282L-A





### **Female Couplings**

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



# **API Certified Series Ferrules**



brass



304 stainless steel



aluminum

Hose	Hose	e OD	Brass	304 Stainless Steel
ID	From	То	Part #	Part #
	1-24/64"	1-26/64"	R1AAAS-A	
	1-27/64"	1-29/64"	R1AAS-A	
	1-30/64"	1-32/64"	R1AS-A	
1"	1-33/64"	1-35/64"	R1BS-A	
	1-36/64"	1-38/64"	R1CS-A	
	1-39/64"	1-41/64"	R1DS-A	
	1-42/64"	1-44/64"	R1ES-A	
	1-39/64"	1-42/64"	R125AAS-A	
	1-43/64"	1-46/64"	R125AS-A	
11/4"	1-47/64"	1-50/64"	R125BS-A	
1 74	1-51/64"	1-54/64"	R125CS-A	
	1-55/64"	1-58/64"	R125DS-A	
	1-59/64"	1-62/64"	R125ES-A	
	1-54/64"	1-57/64"	R15AAAS-A	
	1-58/64"	1-62/64"	R15AAS-A	
	1-63/64"	2-2/64"	R15AS-A	
1½"	2-3/64"	2-6/64"	R15BS-A	
1/2	2-7/64"	2-11/64"	R15CS-A	
	2-12/64"	2-14/64"	R15DS-A	
	2-15/64"	2-19/64"	R15ES-A	
	2-20/64"	2-24/64"	R15FS-A	
	2-31/64"	2-34/64"		R2ASS-A
	2-35/64"	2-38/64"		R2BSS-A
2"	2-39/64"	2-42/64"		R2CSS-A
	2-43/64"	2-46/64"	<b></b>	R2DSS-A
	2-47/64"	2-50/64"		R2ESS-A
	2-62/64"	3-1/64"		R25ASS-A
	3-2/64"	3-6/64"		R25BSS-A
2½"	3-7/64"	3-11/64"		R25CSS-A
	3-12/64"	3-16/64"		R25DSS-A
	3-17/64"	3-21/64"		R25ESS-A
	3-35/64"	3-39/64"		R3AASS-A
	3-40/64"	3-45/64"		R3ASS-A
3"	3-46/64"	3-50/64"		R3BSS-A
	3-51/64"	3-54/64"		R3CSS-A
	3-55/64"	3-59/64"		R3DSS-A
	4-46/64"	4-48/64"		R4ESS-A
	4-49/64"	4-51/64"		R4FSS-A
411	4-52/64"	4-54/64"		R4GSS-A
4"	4-55/64"	4-57/64"		R4HSS-A
	4-58/64"	4-59/64"		R4KSS-A
	4-60/64"	4-62/64"		R4LSS-A
	4-63/64"	5"		R4MSS-A

<sup>•</sup> 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	
Size	Part #	
3/4"	H5071-BU	
1"	H5072-BU	
11/4"	H5073-BU	
1½"	H5074-BU	
2"	H5075-BU	
21/2"	H5076-BU	
3"	H5077-BU	
4"	H5078-BU	



### **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 ¾" through 2" of the Scovil style and all sizes of the curb pump fittings
- expander tooling sold separately



Part #

2500HB0000

### **Permanent Pump Hose Couplings**

### Application:

· economical and trouble-free couplings for gas pump hose

- · 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
- · Hand and electrically operated installation equipment is available; consult Dixon® for pricing and availability.
- UL recognized
- Reattach static wire if required.



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

<sup>&</sup>lt;sup>1</sup> thrust plate required, part # **25000HTL15** 









### **Dubl-Grip® Field 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.
- easy assembly:
  - Hose is held in position by sleeve as body is threaded home.
  - Only a wrench is required to assemble the Dubl-Grip®.
- · UL recognized
- · Reattach static wire if required.



### Swivel



Hose ID	Male NPT	Hose OD	Chrome Plated Brass
			Part #
3/4"	3/4"	11/8"	H603
3/4"	3/4"	1-13/64"	H604
3/4"	3/4"	1¼"	H605
1"	1"	1%"	H609 <sup>1</sup>
1"	1"	1-7/16"	H610 <sup>1</sup>
1"	1"	1-1/2"	H611 <sup>1</sup>

### Non-Swivel



Hose ID	Male NPT	Hose OD	Chrome Plated Brass Part #
5/8"	3/4"	1"	850212
5/8"	3/4"	1-1/32"	850213
3/4"	3/4"	11/8"	850451
3/4"	3/4"	1-13/64"	850455
3/4"	3/4"	11⁄4"	850453
1"	1"	1%"	850841 <sup>1</sup>
1"	1"	1-7/16"	850801 <sup>1</sup>
1"	1"	11/2"	850811 <sup>1</sup>

<sup>&</sup>lt;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 566for sanitary style clamps

Size	304 Stainless Steel Part #
1½"	IXSE24-3A
2"	IXSE32-3A
3"	IXSE48-3A



### Special Expansion Plugs for CIP Compliant IX Fitting

Hose Size	304 Stainless Steel Part #
1½"	IXFDPLG137
2"	IXFDPLG187
3"	IXFDPLG287



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

### Feature:

· special plug is required to expand CIP compliant fittings

Size	304 Stainless Steel Part #
2"	IXPE32-3A



### **Internal Expansion (IX) Sanitary Style**

### **Clamp End Stems**

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

Size	304 Stainless Steel Part #
1½" 2" 2½" 3" 4"	IXSE24 IXSE32 IXSE40 IXSE48 IXSE64





### **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.

Size	304 Stainless Steel Part #
1½"	IXMS24
2"	IXMS32
21/2"	IXMS40
3"	IXMS48
4"	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 Part #
1½"	IXFS24
2"	IXFS32
2"	IXFS32-3A <sup>1</sup>
21/2"	IXFS40
3"	IXFS48
4"	IXFS64

<sup>&</sup>lt;sup>1</sup> must use plug part # IXFDPLG187

# Bevel Seat Threaded Hex Nuts series 13H (modified)



Size	304 Stainless Steel Part #
1½"	IXAN24
2"	IXAN32
21/2"	IXAN40
3"	IXAN48
4"	IXAN64

# **Internal Expansion Sanitary Style Flow Chief Ferrules**

### Feature:

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

Hose	Hose	OD	304 Stainless Steel
ID	From	То	Part #
	1-56/64"	1-59/64"	24PFX1.937
	1-60/64"	1-63/64"	24PFX2.000
	2"	2-3/64"	24PFX2.062
1½" 1	2-4/64"	2-7/64"	24PFX2.125
İ	2-8/64"	2-11/64"	24PFX2.187
	2-12/64"	2-15/64"	24PFX2.250
	2-16/64"	2-19/64"	24PFX2.312 <sup>2</sup>
ĺ	2-28/64"	2-31/64"	32PFX2.500
İ	2-32/64"	2-35/64"	32PFX2.562
	2-36/64"	2-39/64"	32PFX2.625
2" 1	2-40/64"	2-43/64"	32PFX2.687
2 '	2-44/64"	2-47/64"	32PFX2.750
	2-48/64"	2-51/64"	32PFX2.812
	2-52/64"	2-55/64"	32PFX2.875
	2-56/64"	2-59/64"	32PFX2.937
	3"	3-3/64"	40PFX3.062
	3-4/64"	3-7/64"	40PFX3.125
	3-8/64"	3-11/64"	40PFX3.187
21/2"	3-12/64"	3-15/64"	40PFX3.250
İ	3-16/64"	3-19/64"	40PFX3.312
İ	3-20/64"	3-23/64"	40PFX3.375
İ	3-28/64"	3-31/64"	40PFX3.500
	3-32/64"	3-35/64"	48PFX3.562
	3-36/64"	3-39/64"	48PFX3.625
	3-40/64"	3-43/64"	48PFX3.687
	3-44/64"	3-47/64"	48PFX3.750
0"	3-48/64"	3-51/64"	48PFX3.812
3"	3-52/64"	3-55/64"	48PFX3.875
	3-56/64"	3-59/64"	48PFX3.937
	3-60/64"	3-63/64"	48PFX4.000
	4"	4-3/64"	48PFX4.062
	4-4/64"	4-7/64"	48PFX4.125
j	4-36/64"	4-39/64"	64PFX4.625
	4-40/64"	4-43/64"	64PFX4.687
4"	4-44/64"	4-47/64"	64PFX4.750
4"	4-48/64"	4-51/64"	64PFX4.812
	4-52/64"	4-55/64"	64PFX4.875
	4-56/64"	4-59/64"	64PFX4.937



- 1 11/2" and 2" ferrules do not have serrations on the ID
- <sup>2</sup> consult Dixon® at engineering@dixonvalve.com for working pressure
- for use with IX stems on pages 101 and 102



### 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 Part #
1" 1½" 2" 3" 4"	CSSR100CS CSSR150CS CSSR200CS CSSR300CS CSSR400CS

### Female I-line



Size	316 Stainless Steel Part #
1"	CILR100CS
1½"	CILR150CS
2"	CILR200CS
3"	CILR300CS
4"	CII R400CS

## **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 for crimp recommendations

Size	316 Stainless Steel Part #	
1"	CSSR100-3A	
1½"	CSSR150-3A	
2"	CSSR200-3A	
2½"	CSSR250	
3"	CSSR300-3A	
4"	CSSR400	



### Female I-Line End x Hose Shank

• to be used with Sanitary ferrules on page 106

Size	316 Stainless Steel Part #
1½"	CILR150
2"	CILR200
3"	CILR300
4"	CILR400



### Bevel Seat End x Hose Shank

• to be used with Sanitary ferrules on page 106

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



### **Tube Weld End x Hose Shank**

• to be used with Sanitary ferrules on page 106

Size	316 Stainless Steel Part #
1½"	CTER150
2"	CTER200
3"	CTER300
4"	CTER400





### Features:

### **Crimp Ferrules**

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

0:	Hose OD		304 Stainless Steel
Size	From	То	Part #
	1-26/64"	1-28/64"	F16G-1453
1"	1-29/64"	1-31/64"	F16G-1500
	1-32/64"	1-34/64"	F16G-1547
	1-35/64"	1-37/64"	F16G-1594
	1-38/64"	1-40/64"	F16G-1641
	1-58/64"	1-61/64"	F24G-1969
	1-62/64"	2-1/64"	F24G-2031
	2-2/64"	2-5/64"	F24G-2094
1½"	2-6/64"	2-9/64"	F24G-2156
	2-10/64"	2-13/64"	F24G-2219
	2-14/64"	2-17/64"	F24G-2281
	2-18/64"	2-21/64"	F24G-2344
	2-30/64"	2-33/64"	F32G-2531
	2-34/64"	2-37/64"	F32G-2594
2"	2-38/64"	2-41/64"	F32G-2656
۷	2-42/64"	2-45/64"	F32G-2719
	2-52/64"	2-55/64"	F32G-2875
	2-56/64"	2-59/64"	F32G-2938
	3"	3-3/64"	F40G-3063
	3-4/64"	3-7/64"	F40G-3125
21/2"	3-8/64"	3-11/64"	F40G-3188
2/2	3-12/64"	3-15/64"	F40G-3250
	3-16/64"	3-19/64"	F40G-3313
	3-20/64"	3-23/64"	F40G-3375
	3-36/64"	3-39/64"	F48G-3625
	3-40/64"	3-43/64"	F48G-3688
	3-44/64"	3-47/64"	F48G-3750
3"	3-48/64"	3-51/64"	F48G-3813
	3-52/64"	3-55/64"	F48G-3875
	3-56/64"	3-59/64"	F48G-3938
	3-61/64"	4"	F48G-4016
	4-40/64"	4-43/64"	F64G-4688
	4-44/64"	4-47/64"	F64G-4750
4"	4-48/64"	4-51/64"	F64G-4813
	4-52/64"	4-55/64"	F64G-4875
	4-56/64"	4-59/64"	F64G-4938
	5-5/64"	5-8/64"	F64G-5141



# Holedall™ **DIN External**

### **Crimp Female Stems**



Size	DIN	316 Stainless Steel Part #
1½"	40	HA0240
2"	50	HA0241
21/2"	65	HA0242
3"	80	HA0243

### **Male Stems**



Size	DIN	316 Stainless Steel Part #
1½" 2" 2½" 3"	40 50 65 80	HA0235 HA0236 HA0237 HA0238

<sup>•</sup> please visit dixonvalve.com for crimp recommendations

# Hose Syst

# **Crimp Working Pressure Chart**

Size	Temperature	Fitting	Clamp	Working Pressure PSIG	Size	Temperature	Fitting	Clamp	Working Pressure PSIG
	Ambient	STC10CS	sleeve	400		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
1"	250°F (121°C)	STC10CS	ferrule	200	3"	250°F (121°C)	STC35CS	ferrule	100
ı	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
	Ambient	STC20CS	sleeve	300		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
1½"	250°F (121°C)	STC20CS	ferrule	150	4"	250°F (121°C)	STC40CS	ferrule	100
	Ambient	150-C/E	sleeve	250 200 100		Ambient	400-C/E	sleeve	110
	160°F (71°C)	150-C/E	sleeve			160°F (71°C)	400-C/E	sleeve	75
	180°F (82°C)	150-C/E	sleeve			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
	Ambient	STC25CS	sleeve	250		Ambient 160°F (71°C)	STC60CS	sleeve	75
	160°F (71°C) 180°F (82°C)	STC25CS STC25CS	sleeve sleeve	150 125		180°F (71°C)	STC60CS STC60CS	sleeve 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	
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	ı	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	
	• • • • • •	. '		•			•		•

# 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<sup>®</sup> couplings
- couplers are supplied standard with a Buna-N gasket, other gasket types are available on pages 167 - 170
- 1/2" Dixon® coupler has only one cam arm
- use Dixon® replacement handles only

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

<sup>&</sup>lt;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, <u>do not</u> 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 Part #
1"	RC100EZCR
1¼"	RC125EZCR
1½"	RC150EZCR
2"	RC200EZCR
3"	RC300EZCR
4"	RC400EZCR
6"	RC600EZCR

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 #	<i>Brass</i> Part #	316 Stainless Steel Part #	Unplated Ductile Iron Part #
1"	100-E-AL	100-E-BR	100-E-SS	
1½"	150-E-AL	150-E-BR	150-E-SS	
2"	200-E-AL	200-E-BR	200-E-SS	
3"	300-E-AL	300-E-BR	300-E-SS	300-E-MI
4"	400-E-AL	400-E-BR	400-E-SS	400-E-MI
6"	600-E-AL	600-E-BR	600-E-SS	600-E-MI



356T6 aluminum



brass



316 stainless steel



unplated ductile iron

# Global Crimp Style Cam & Groove Type C Coupler x Hose Shank

# Features:

- all couplers are supplied with safety clips
- cuplers 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"	G100-C-ALCR	G100-C-BRCR	G100-C-SSCR
1½"	G150-C-ALCR	G150-C-BRCR	G150-C-SSCR
2"	G200-C-ALCR	G200-C-BRCR	G200-C-SSCR
3"	G300-C-ALCR	G300-C-BRCR	G300-C-SSCR
4"	G400-C-ALCR	G400-C-BRCR	G400-C-SSCR
6"	G600-C-ALCR		G600-C-SSCR



A380 permanent mold aluminum



C38000 forged brass



316 investment cast stainless

# B

# 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, <u>do not</u> 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" 1½" 2" 3"	G100-E-ALCR G150-E-ALCR G200-E-ALCR G300-E-ALCR	G100-E-BRCR G150-E-BRCR G200-E-BRCR G300-E-BRCR	G100-E-SSCR G150-E-SSCR G200-E-SSCR G300-E-SSCR
4" 6"	G400-E-ALCR G400-E-ALCR G600-E-ALCR	G400-E-BRCR 	G400-E-SSCR G400-E-SSCR G600-E-SSCR

# **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, <u>do not</u> 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"	GB26	10
3"	GB36	5

GB26 and GB36 has a machined shank to accept a Boss<sup>™</sup> clamp, King Crimp<sup>™</sup> 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

• not		or steam s		Pressure						
Hose	Hose	e OD		SI)	Sleeve	Sleeve Wall	Sleeve Overall	Carbon Steel	304 Stainless Steel	Aluminum
ID	From	То	cam & groove 1	King Crimp nipple 2	ID	Thick.	Length	Part #	Part #	Part #
	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"	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	
	1-41/64"	1-44/64"	250	300	1.750"	.060"	2-5/8"	CS125-3CS	CS125-3SS	
1¼"	1-45/64"	1-48/64"	250	300	1.813"	.060"	2-5/8"	CS125-4CS	CS125-4SS	
1 /4	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	
	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	
41/1	1-61/64"	2"	250	300	2.063"	.062"	2½"	CS150-6CS	CS150-6SS	
1½"	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	
	2-13/64"	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	CS200-5AL
2"	2-33/64"	2-36/64"	250	250	2.625"	.062"	2-7/8"	CS200-6CS	CS200-6SS	
2	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	CS200-11AL
	2-57/64"	2-60/64"	250	250	3.000"	.062"	2-7/8"	CS200-12CS	CS200-12SS 🛚	CS200-12AL
* cor	sult Dixor	<sup>®</sup> at engin	eering@d	dixonvalv	e.com for	pressure	e rating i			

\* consult Dixon<sup>®</sup> at engineering@dixonvalve.com for pressure rating based on using crimp cam & groove shanks based on using King™ crimp nipples

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# Hose Coupling Systems





# 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	Hose	e OD	Work. Pressure (PSI)		Sleeve	Sleeve Wall	Sleeve	Carbon Steel	304 Stainless	Aluminum
מושומ	ID	From	То	cam & groove 1	King Crimp	ID	Wall Thick.	Overall Length	Part #	Steel Part #	Part #
ב מ		3-13/64"	3-16/64"	125	200	3.313"	.090"	3¾"	CS300-1CS	CS300-1SS	
5		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	
	0.11	3-41/64"	3-44/64"	125	200	3.750"	.090"	3¾"	CS300-8CS	CS300-8SS	CS300-8AL
	3"	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 🕡	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	
-		4-13/64"	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"	4-41/64"	4-44/64"	110	175	4.750"	.090"	3¾"	CS400-8CS	CS400-8SS	
	4	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 🕦	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	
		6-21/64"	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"	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	

<sup>\*</sup> consult Dixon® at engineering@dixonvalve.com for pressure rating

based on using crimp cam & groove shanks

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

<sup>\*</sup> consult Dixon® at engineering@dixonvalve.com for pressure rating

based on using crimp cam & groove shanks
based on using King™ crimp nipples



# Soupling IS

# King Crimp™ Style Ferrules

4

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



S										
Systems	Hose	Hose	e OD I	(P	Pressure SI) I	Ferrule	Ferrule Wall	Ferrule Overall	Carbon Steel	304 Stainless Steel
Š	ID	From	То	cam & groove 1	King Crimp nipple 2	ID	Thickness	Length	Part #	Part #
		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
<b>o</b>		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"	3-41/64"	3-44/64"	150	300	3.750"	.090"	4"	CF300-8CS	CF300-8SS
	۱	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
		4-13/64"	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"	4-41/64"	4-44/64"	150	300	4.750"	.090"	4"	CF400-8CS	CF400-8SS
	7	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
		6-21/64"	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"	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

<sup>\*</sup> consult Dixon® at engineering@dixonvalve.com for pressure rating

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

<sup>&</sup>lt;sup>2</sup> based on using King<sup>™</sup> 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 Part #	316 Stainless Steel Part #
1"	STC10CS	RST10CS
11/4"	STC15CS	RST15CS
11/2"	STC20CS	RST20CS
2"	STC25CS	RST25CS
3"	STC35CS	RST35CS
4"	STC40CS	RST40CS
6"	STC60CS	RST60CS



• for 8" options see page 117

# **Grooved End**

# Feature:

 There are two grooves on the crimp style King<sup>™</sup> 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 Part #	316 Stainless Steel Part #
1"	STV10CS	RSTV10CS
1½"	STV20CS	RSTV20CS
2"	STV25CS	RSTV25CS
3"	STV35CS	RSTV35CS
4"	STV40CS	RSTV40CS
6"	STV60CS	RSTV60CS



# **Beveled End**

# Feature:

 There are two grooves on the crimp style King<sup>™</sup> 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 Part #	316 Stainless Steel Part #
1"	STB10CS	RSTB10CS
1½"	STB20CS	RSTB20CS
2"	STB25CS	RSTB25CS
3"	STB35CS	RSTB35CS
4"	STB40CS	RSTB40CS
6"	STB60CS	RSTB60CS



• For additional information on pipe dimensions please reference dixonvalve.com.

# **FJIC**

ID	Ambient Work	king Pressures Carbon Steel		
Hose ID	Sleeve	Ferrule	Part #	
1"	400	400	SFJCT10CS	
11/2"	300	350	SFJCT20CS	
2"	250	300	SFJCT25CS	

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, <u>do not</u> interchange other manufacturer's products with Dixon® products.

# Features:

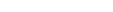
 There are two grooves on the crimp style King<sup>™</sup> Combination nipples. The second groove is the roll stamp groove which has the part number and 'call Dixon<sup>®'</sup> stamped on it. This groove is a smooth concentric groove so that the stamp is legible.

Size	Steel Part #	316 Stainless Steel Part #
1½"	FST20CS	RFST20CS
2"	FST25CS	RFST25CS
3"	FST35CS	RFST35CS
4"	FST40CS	RFST40CS
6"	FST60CS	RFST60CS

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

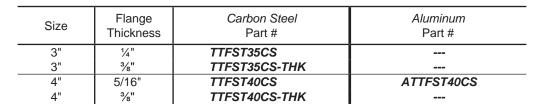
# **Combination Nipple x TTMA Flanges**





# Feature:

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



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



aluminum

# **Nipples for Floating Flanges**

# Feature:

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



Size	Plated Carbon Steel Part #	316 Stainless Steel Part #
2"	N25CS	RN25CS
3"	N35CS	RN35CS
4"	N40CS	RN40CS
6"	N60CS	RN60CS

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 Part #
8"	STC80CS



# **Short Combination Nipples - Grooved End**

Size	Schedule 40 Plated Carbon Steel Part #
8"	STV80CS

• For additional information on pipe dimensions please reference dixonvalve.com.



# **Short Ferrules**

• consult Dixon® for additional ferrule sizes

Hose ID	Hose From	e OD To	Ferrule Wall Thickness	Ferrule ID	Ferrule Overall Length	Carbon Steel Part #
	8-29/64"	8-36/64"	.120"	8.625"	4.25"	CFS800-1CS
	8-37/64"	8-44/64"	.120"	8.750"	4.25"	CFS800-2CS
	8-45/64"	8-52/64"	.120"	8.875"	4.25"	CFS800-3CS
8"	8-53/64"	8-60/64"	.120"	9.000"	4.25"	CFS800-4CS
O	8-61/64"	9-4/64"	.120"	9.125"	4.25"	CFS800-5CS
	9-5/64"	9-12/64"	.120"	9.250"	4.25"	CFS800-6CS
	9-13/64"	9-20/64"	.120"	9.375"	4.25"	CFS800-7CS
	9-21/64"	9-28/64"	120"	9 500"	4 25"	CES800-8CS



# **Large Sleeves**

Hose ID	Sleeve ID	Sleeve Wall Thickness	Sleeve Overall Length	Carbon Steel Part #
	8.30"	0.120"	8.75"	S830X875X120CS
	8.38"	0.120"	6.00"	S838X600X120CS
	8.50"	0.120"	6.50"	S850X650X120CS
	8.75"	0.120"	6.00"	S875X600X120CS
	8.98"	0.120"	8.75"	S898X875X120CS
	9.00"	0.090"	4.00"	S900X400X090CS
	9.00"	0.120"	4.00"	S900X400X120CS
8"	9.00"	0.120"	6.00"	S900X600X120CS
0	9.10"	0.120"	4.00"	S910X400X120CS
	9.12"	0.120"	6.00"	S912X600X120CS
	9.15"	0.120"	6.00"	S915X600X120CS
	9.25"	0.120"	4.00"	S925X400X120CS
	9.25"	0.120"	6.00"	S925X600X120CS
	9.50"	0.120"	4.00"	S950X400X120CS
	9.50"	0.120"	6.00"	S950X600X120CS
	9.75"	0.120"	6.00"	S975X600X120CS
	10.25"	0.120"	7.50"	S1025X750X120CS
10"	10.50"	0.120"	7.50"	S1050X750X120CS
10	11.00"	0.120"	6.00"	S1100X600X120CS
	11.75"	0.120"	6.00"	S1175X600X120CS



• 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<sup>™</sup> 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	STC40CSHD	

# **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, <u>do not</u> 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	Hose	e OD	Ferrule Wall	Ferrule	Ferrule Overall	Carbon Steel
ID	From	То	Thickness	ID	Length	Part #
	4-33/64"	4-36/64"	0.120"	4.625"	4"	CF400-6CSHD
	4-37/64"	4-40/64"	0.120"	4.688"	4"	CF400-7CSHD
	4-41/64"	4-44/64"	0.120"	4.750"	4"	CF400-8CSHD
	4-45/64"	4-48/64"	0.120"	4.813"	4"	CF400-9CSHD
	4-49/64"	4-52/64"	0.120"	4.875"	4"	CF400-10CSHD
4"	4-53/64"	4-56/64"	0.120"	4.938"	4"	CF400-11CSHD
	4-57/64"	4-60/64"	0.120"	5.000"	4"	CF400-12CSHD
	4-61/64"	5"	0.120"	5.063"	4"	CF400-13CSHD
	5-1/64"	5-4/64"	0.120"	5.125"	4"	CF400-14CSHD
	5-5/64"	5-8/64"	0.120"	5.188"	4"	CF400-15CSHD
	5-9/64"	5-12/64"	0.120"	5.250"	4"	CF400-16CSHD

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# C

Cam & Groove Information	.121 - 125	Type E Adapters (cont.)  Notched NOS ferrules	
EZLink™ Armless	126 to 127		
Туре В	126	Type F Adapters	145
Type C	126	Dixon <sup>®</sup>	
Type D	126		
Type DC		Dust Caps and Plugs	146 to 149
Replacement parts		Type DC	
Safety clip		Dixon® lockable caps	
Bottle opener		Type H	
		Type DP	
Vent-Lock™ Safety	128 to 130	7,60	
Type A		Hastelloy <sup>®</sup>	150 to 151
Type C		Type A	
Type D		Type E	
Type E		Type F	
Type DC, DP and H		EZ Boss-Lock™ Type B	
Accessories		EZ Boss-Lock™ Type C	
7.0000001100		EZ Boss-Lock <sup>TM</sup> Type D	
Type A Adapters	131	LZ D033-L00K Type D	101
Dixon® / Boss-Lock™		Reducing Couplers and Adapter	s 152 to 156
with abrasion resistant inserts		Dixon® with port	
with abrasion resistant inserts	131	Dixon®	
Type B Couplers	122 to 122	Boss-Lock <sup>TM</sup>	
•			
Dixon®		EZ Boss-Lock <sup>TM</sup>	
Boss-Lock <sup>TM</sup>		Reducing Dixon® with port	
EZ Boss-Lock™	133	Dixon® spool adapters	
Type C Couplers	124 + 2120	Reducing Type A	
Type C Couplers		Reducing Type B	
Dixon <sup>®</sup>		Reducing Type C	
with abrasion resistant inserts		Reducing Type D	
Dixon® notched NOS		Reducing Type E	
Boss-Lock <sup>TM</sup>		Reducing Type F	156
Boss-Lock™ with collar		E.I.	457   450
Boss-Lock™ notched		Elbows	
EZ Boss-Lock <sup>TM</sup>		45°	
EZ Boss-Lock™ phono finish		90°	157 - 159
EZ Boss-Lock™ swaged with ferrule			
EZ Boss-Lock™ notched	138	Flanged	160
		Dixon <sup>®</sup>	
Type D Couplers	139 to 141	EZ Boss-Lock™	160
Dixon <sup>®</sup>	139		
Boss-Lock™	140	Weld End	161 to 162
EZ Boss-Lock™	141	Dixon® couplers	161
		EZ Boss-Lock™couplers	162
Type E Adapters	142 to 144	Adapters	
Dixon <sup>®</sup>	142	Boss-Lock Coupler x Tube.	163
Dixon® phono finish	142	-	
Dixon® swaged with ferrule	143	In-Line Sight Glasses	163
Notched ferrules	143	-	
Notched NOS shank	144	NSPM and Wye	164



	Accessories	165	to 173
	Handles		165 to 166
മ	Gaskets		167 to 170
	Strainers		
ĕ	Pull rings		171
G	Abrasion resistant inserts		172
∞	Clips		171
Ε	Jack chain with S-hook		172
Ca	Velcro® straps		172
	Lanyards		
	Global	174	to 182
	Type A		174
	Туре В		175
$\overline{}$	Type C		176
ノ	Type D		177
	Type E		178
	Type F		178
	Dust caps and plugs		179
	Jump size		180 to 181
	Type DA		
	Type AA		
	Type DD		
	Type A		181
	Type C		181
	Type E		181
	TTMA flange		
	Coupler and adapter x ANSI flange		
	Accessories		182
	NST Adapters		183
	Type A		
	Type B		
	Type D		
	Type F		
	7,700		
	Polypropylene	184	to 188
	Type A		
	Type B		184
	Type C		185
	Type D		185
	Type E		186
	Type F		
	Dust caps and plugs		187
	90° coupler x female NPT		
	90° coupler x hose shank		188
	90° adapter x female NPT		
	90° adapter v male NPT		188

# 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<sup>™</sup> 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



# 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", 11/2" and 2" sizes have a maximum working pressure of 250 PSI
  - 3" maximum working pressure **150 PSI** with King Crimp<sup>™</sup> ferrules, crimp sleeves and bands at **125 PSI**
- does not interchange with standard cam & groove products use only with Vent-Lock™
  L-style fittings





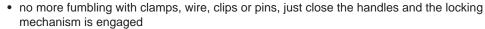
# Dixon®

- · 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™

# Features:



- 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.





- 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.

# Cam & Groove

# King Crimp™ System Cam and Groove



Dixon® Type C domestic coupler



EZ Boss-Lock™ Type C domestic coupler



Type C global coupler



Dixon® Type E domestic adapter



Type E 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® Crimp (PSI)	Size	Temperature	Fitting	Clamp	Dixon® Crimp (PSI)
	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
1"	250°F (121°C)	100-C/E	sleeve	200	3"	250°F (121°C)	300-C/E	sleeve	55
ı	Ambient	100-C/E	ferrule	250	3	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
	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
1½"	250°F (121°C)	150-C/E	sleeve	75	4"	250°F (121°C)	400-C/E	sleeve	50
1/2	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
	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	*
2"	250°F (121°C)	200-C/E	sleeve	50	6"	250°F (121°C)	600-C/E	sleeve	*
۷	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	*

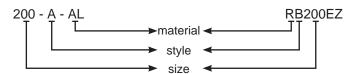
<sup>\*</sup> Consult Dixon® for PSI ratings



# & Groove

# יקה אל היפי

# 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.

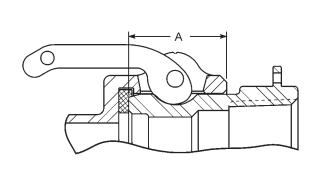
# **Pressure Ratings:**

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®, Boss-Lock™ and EZ Boss-Lock™ couplers and adapters maximum working pressure are as follows:



Size	1/2"	34" thru 2"	2½"	3"	4"	5" and 6"	8"
PSI	150	250	150	125	100	75	50
PSI (working pressure with King Crimp™ ferrule system)	150	250	150	150	150	75	50

# Cam and Groove Nominal Take-Up Lengths



Dimension A	
0.97"	
0.97"	
1.20"	
1.44"	
1.50"	
1.81"	
1.82"	
1.78"	
1.84"	
2.00"	
2.13"	
2.06"	
3.22"	

# **Cam and Groove Configurations**

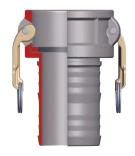
Configurations are representative of the Dixon® line of cam & groove.



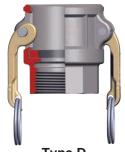
**Type A** male adapter x female NPT



**Type B** female coupler x male NPT



**Type C** female coupler x hose shank



**Type D** female coupler x female NPT



**Type E** male adapter x hose shank



**Type F** male adapter x male NPT



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



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.



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 Part #	316 Stainless Steel Part #
1½"	EZL150-B-AL NEW	EZL150-B-SS
2"	EZL200-B-AL	EZL200-B-SS
3"	EZL300-B-AL	EZL300-B-SS NEW
4"	EZL400-B-AL	

# Type C Couplers - King Crimp™ Hose Shank

# coupler x hose shank



Size	A356 Aluminum Part #	316 Stainless Steel Part #
1½" 2" 3" 4"	EZL150-C-AL EZL200-C-AL EZL300-C-AL EZL400-C-AL	EZL150-C-SS EZL200-C-SS EZL300-C-SS

# Type D Couplers

# coupler x female NPT



Size	A356 Aluminum Part #	316 Stainless Steel Part #
1½" 2" 3" 4"	EZL150-D-AL EZL200-D-AL EZL300-D-AL EZL400-D-AL	EZL150-D-SS EZL200-D-SS EZL300-D-SS

# C

# Type DC Dust Caps

Size	A356 Aluminum Part #	316 Stainless Steel Part #
1½"	EZL150-DC-AL	EZL150-DC-SS NEW
2"	EZL200-DC-AL	EZL200-DC-SS
3"	EZL300-DC-AL	EZL300-DC-SS TEW
4"	EZL400-DC-AL	



# Replacement Kits

• kit contains: 2 pins, 2 springs and 2 tabs

Size	Part #	
2"	EZL200RPLKIT	
3" and 4"	EZL300RPLKIT	



# Replacement Gaskets

Size	Buna-N Part #	Fluorosilicone Part #	FKM Part #
1½"	EZL150-G-BU	EZL150-G-FV	EZL150-G-VI
2"	EZL200-G-BU	EZL200-G-FV	EZL200-G-VI
3"	EZL300-G-BU	EZL300-G-FV	EZL300-G-VI
4"	EZL400-G-BU	EZL400-G-FV	EZL400-G-VI



# Safety Clip

Plated Carbon Steel Part #

EZLCL400

clip is optional



# **Bottle Opener**

Brass Part #

CAMOPENER



# 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", 11/2" and 2" sizes have a maximum working pressure of 250 PSI
  - 3" maximum working pressure **150 PSI** with King Crimp<sup>™</sup> ferrules, crimp sleeves and bands at **125 PSI**
  - 4" maximum working pressure **150 PSI** with King Crimp<sup>™</sup> ferrules, crimp sleeves and bands at **100 PSI**
- does not interchange with standard cam and groove products use only with Dixon<sup>®</sup>
   L-style fittings



- safety orange cam arms
- consult Dixon<sup>®</sup> 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 Part #	Aluminum Part #
1"	L100-A-SS	
1½"	L150-A-SS	
2"	L200-A-SS	
3"	L300-A-SS	
4"		L400-A-AL

# Type C Couplers coupler x hose shank



Size	316 Stainless Steel Part #
1"	L100-C-SS
1½"	L150-C-SS
2"	L200-C-SS

# EZ Boss-Lock™ Type C Couplers coupler x hose shank



Size	316 Stainless Steel Part #	<i>Aluminum</i> Part #
1"	RLC100EZ	
1½"	RLC150EZ	
2"	RLC200EZ1	
3"	RLC300EZ1	
		ALC400EZ1

has drop shank

# Type D Couplers

# coupler x female NPT

Size	316 Stainless Steel Part #
1"	RLD100EZ
1½"	RLD150EZ
2"	RLD200EZ



# Type E Adapters adapter x hose shank

Size	316 Stainless Steel Part #
1"	L100-E-SS
1½"	L150-E-SS
2"	L200-E-SS
3"	L300-E-SS



# **Type DC Dust Caps**

Size	316 Stainless Steel Part #
1"	L100-DC-SS
1½"	L150-DC-SS
2"	L200-DC-SS



# Type DP Dust Plugs

316 Stainless Steel Part #
L100-DP-SS L150-DP-SS
L200-DP-SS L300-DP-SS



# EZ Boss-Lock™ Type H Dust Caps

Size	316 Stainless Steel Part #
1"	RLH100EZ
1½"	RLH150EZ
2"	RLH200EZ
3"	RLH300EZ





# Accessories

# Dixon® handle assembly



- use only with Dixon® Vent-Lock™ couplers
   includes handle, ring and pin



Size	316 Stainless Steel Part #
1"	L100-HSCRP-SI
1½" - 2"	L200-HSCRP-SI

# EZ Boss-Lock<sup>™</sup> handle assembly

- use only with EZ Boss-Lock  $^{\text{\tiny TM}}$  Vent Lock  $^{\text{\tiny TM}}$  couplers
- includes handle, ring and pin





0:	316 Stainless Steel
Size	Part #
1"	LRHEZ175
1½" - 2	LRHEZ152
3"	LRHEZ34

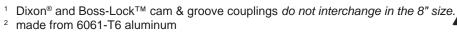


# Type A Adapters adapter x female NPT

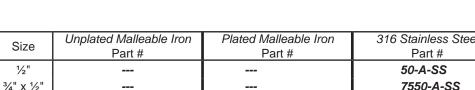
# Feature:

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

Cizo	356T6 Aluminum	Aluminum Hard Coat	Brass
Size	Part #	Part #	Part #
1/2"	<b>50-A-AL</b> <sup>2</sup>		50-A-BR
¾" X ½"	<b>7550-A-AL</b> <sup>2</sup>		7550-A-BR
3/4"	<b>75-A-AL</b> <sup>2</sup>		75-A-BR
1"	100-A-AL <sup>2</sup>		100-A-BR
11/4"	125-A-AL		125-A-BR
1½"	150-A-AL	150-A-ALH	150-A-BR
2"	200-A-AL	200-A-ALH	200-A-BR
2½"	250-A-AL		250-A-BR
3"	300-A-AL	300-A-ALH	300-A-BR
4"	400-A-AL	400-A-ALH	400-A-BR
5"	500-A-AL		500-A-BR
6"	600-A-AL	600-A-ALH	600-A-BR
8" DIX	800-A-AL <sup>1</sup>		
8" BL	801-A-AL <sup>1</sup>		







Size	Unplated Malleable Iron	Plated Malleable Iron	316 Stainless Steel
Size	Part #	Part #	Part #
1/2"			50-A-SS
3⁄4" X 1⁄2"			7550-A-SS
3/4"		75-A-PM	75-A-SS
1"		100-A-PM	100-A-SS
11/4"			125-A-SS
1½"	150-A-MI	150-A-PM	150-A-SS
2"	200-A-MI	200-A-PM	200-A-SS
21/2"			250-A-SS
3"	300-A-MI	300-A-PM	300-A-SS
4"	400-A-MI	400-A-PM	400-A-SS
5"	500-A-MI		500-A-SS
6"		600-A-PM ¹	600-A-SS

<sup>&</sup>lt;sup>1</sup> ductile iron



356T6 aluminum



aluminum hardcoat



brass



unplated malleable iron



plated malleable iron



316 stainless steel

# 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 Part #
(400-A-AL) aluminum adapter x female NPT with UHMW insert	400-A-ALINSERT
(400-A-BR) brass adapter x female NPT with UHMW insert	400-A-BRINSERT
(400-A-MI) malleable iron adapter x female NPT with UHMW insert	400-A-MIINSERT
(400-A-SS) stainless steel adapter x female NPT with UHMW insert	400-A-SSINSERT

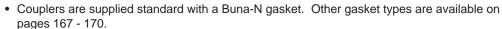
Replacement inserts are available on page 172.



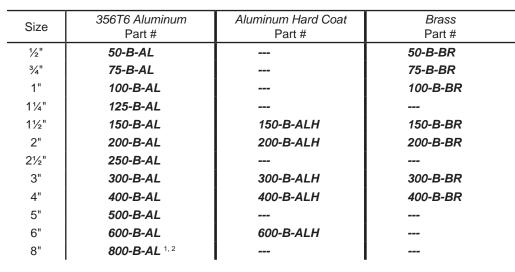
400-A-ALINSERT

# Dixon® Type B Couplers

# coupler x male NPT



- ½" Dixon® coupler has only one cam arm.
- Pull rings are not supplied on ½" 1" Dixon® couplings.



- 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	316 Stainless Steel
Size	Part #	Part #
1/2"		50-B-SS
3/4"		75-B-SS
1"		100-B-SS
1½"	150-B-MI ¹	150-B-SS
2"	200-B-MI	200-B-SS
21/2"		250-B-SS
3"	300-B-MI ¹	300-B-SS
4"	400-B-MI	400-B-SS
6"		600-B-SS

<sup>1</sup> ductile iron



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

# 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	Brass
Size	Part #	Part #
3/4"		BB075
1"	AB100	BB100
11/4"	AB125	BB125
1½"	AB150	BB150
2"	AB200	BB200
2½"	AB250	BB250
3"	AB300	BB300
4"	AB400	BB400
6"	AB600	

Size	<i>Plated Malleable Iron</i> Part #	316 Stainless Steel Part #
3⁄4" X 1⁄2"		RB050BL
3/4"		RB075BL
1"	IB100	RB100BL
11/4"		RB125BL
1½"		RB150BL
2"	IB200	RB200BL
3"		RB300BL
4"		RB400BL



356T6 aluminum



brass



plated malleable iron



316 stainless steel

# 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	Brass	316 Stainless Steel
Size	Part #	Part #	Part #
3/4" X 1/2"			RB050EZ
3/4"		BB075EZ	RB075EZ
1"	AB100EZ	BB100EZ	RB100EZ
1¼"		BB125EZ	RB125EZ
1½"	AB150EZ	BB150EZ	RB150EZ
2"	AB200EZ	BB200EZ	RB200EZ
3"	AB300EZ	BB300EZ	RB300EZ
4"	AB400EZ	BB400EZ	RB400EZ
6"			RB600EZ



356T6 aluminum





316 stainless steel

# C –

356T6 aluminum



aluminum hard coat



hrass



unplated ductile iron



316 stainless steel

# Dixon® 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.
- ½" Dixon coupler has only one cam arm.
- Pull rings are not supplied on ½" 1" Dixon® couplings.

Hose	356T6 Aluminum	Aluminum Hard Coat	Brass
ID	Part #	Part #	Part #
1/2"	50-C-AL		50-C-BR
3/4"	75-C-AL		75-C-BR
1"	100-C-AL		100-C-BR
1¼"	125-C-AL		125-C-BR
1½"	150-C-AL	150-C-ALH	150-C-BR
2"	200-C-AL	200-C-ALH	200-C-BR
2½"	250-C-AL		250-C-BR
3"	300-C-AL	300-C-ALH	300-C-BR
4"	400-C-AL	400-C-ALH	400-C-BR
5"	500-C-AL		
6"	600-C-AL	600-C-ALH	600-C-BR
8"	800-C-AL 1		

Hose	Unplated Ductile Iron	316 Stainless Steel
ID	Part #	Part #
1/2"		50-C-SS
3/4"		75-C-SS
1"		100-C-SS
11/4"		125-C-SS
1½"	150-C-MI	150-C-SS
2"	<b>200-C-MI</b> <sup>2</sup>	200-C-SS
2½"		250-C-SS
3"	300-C-MI <sup>2, 3</sup>	300-C-SS
4"	<b>400-C-MI</b> <sup>2, 3</sup>	400-C-SS
5"		500-C-SS
6"	600-C-MI <sup>2, 3</sup>	600-C-SS

- 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 Part #
(400-C-AL) aluminum coupler x hose shank with UHMW insert (400-A-MI) malleable iron coupler x hose shank with UHMW insert	400-C-ALINSERT 400-C-MIINSERT

Replacement inserts are available on page 172.



# Cam & Groove

# 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 Part #
1½"	150CNOSSS 1
2"	200CNOSSS
3"	300CNOSSS

<sup>&</sup>lt;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.





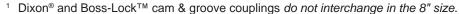
# Boss-Lock™ Type C Couplers

# coupler x hose shank

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170
- All Boss-Lock<sup>™</sup> couplers are supplied with pull-ring safety clips.

Ciro	356T6 Aluminum	Brass
Size	Part #	Part #
3/4"	AC075	BC075
1"	AC100	BC100
1¼"	AC125	BC125
1½"	AC150	BC150
2"	AC200	BC200
2½"	AC250	BC250
3"	AC300	BC300
4"	AC400	BC400
6"	AC600	BC600
8"	AC800 1	

Size	Plated Malleable Iron	316 Stainless Steel
Size	Part #	Part #
3/4" X 1/2"		RC050BL
3/4"	IC075	RC075BL
1"	IC100	RC100BL
11/4"		RC125BL
1½"	IC150	RC150BLNO
2"	IC200	RC200BLNO
3"	IC300	RC300BL
4"	IC400 <sup>2</sup>	RC400BLNO
6"	IC600 <sup>2</sup>	



<sup>&</sup>lt;sup>2</sup> ductile iron





brass



plated malleable iron



# $\mathsf{C}$

# EZ Boss-Lock™ Type C Couplers with Collared Hose Shank

# coupler x collared hose shank

# 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 3/4" or 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 Part #
1"	RC100CEZ
1½"	RC150CEZ
2"	RC200CEZ

# C

# Boss-Lock™ Type C Couplers with Notched Shank

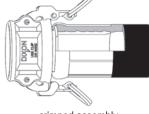
# coupler x hose shank



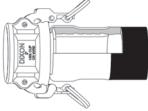
# Features:

- 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





crimped assembly



swaged assembly

Size	316 Stainless Steel Part #
1½"	RC150BLNO
2"	RC200BLNO
3"	RC300BLNO
4"	RC400BLNO

Contact Dixon® for swage and crimp recommendations.

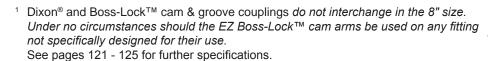
# EZ Boss-Lock™ Type C Couplers

# coupler x hose shank

# Feature:

 Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170

0:	356T6 Aluminum	Brass	316 Stainless Steel
Size	Part #	Part #	Part #
3/4" X 1/2"			RC050EZ
3/4"	AC075EZ	BC075EZ	RC075EZ
1"	AC100EZ	BC100EZ	RC100EZCR
11/4"		BC125EZ	RC125EZCR
1½"	AC150EZ	BC150EZ	RC150EZNO
2"	AC200EZ	BC200EZ	RC200EZNO
21/2"	AC250EZ		
3"	AC300EZ	BC300EZ	RC300EZCR
4"	AC400EZ	BC400EZ	RC400EZCR
6"	AC600EZ		RC600EZCR
8"	AC800EZ 1		







356T6 aluminum



brass



316 stainless steel

# 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.

- 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	Optional
0.20	Part #	Qty
2"	RC200EZPF	10
3"	RC300EZPF	5



# EZ Boss-Lock™ Type C Couplers with Swaged Ferrule

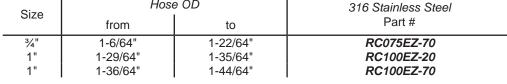
# Application:

 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.



- 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

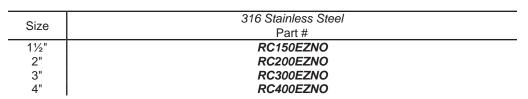
Size	Hose OD		316 Stainless Steel	
Size	from	to	Part #	
3/4"	1-6/64"	1-22/64"	RC075EZ-70	
1"	1-29/64"	1-35/64"	RC100EZ-20	
1"	1-36/64"	1-44/64"	RC100EZ-70	

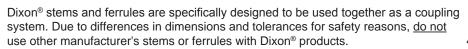


# EZ Boss-Lock™ Type C Couplers with Notched Hose Shank

# coupler x hose shank

- 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







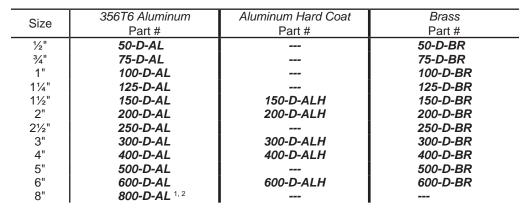


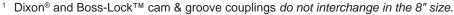


# Dixon® Type D Couplers

# coupler x female NPT

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.
- 1/2" Dixon® coupler has only one cam arm.
- Pull rings are not supplied on ½" 1" Dixon® couplings.





<sup>&</sup>lt;sup>2</sup> The 8" Dixon® design has 4 cam arms.



Ciro	Unplated Malleable Iron	316 Stainless Steel
Size	Part #	Part #
1/2"		50-D-SS
3/4"		75-D-SS
1"		100-D-SS
1¼"	***	125-D-SS
1½"	150-D-MI	150-D-SS
2"	200-D-MI	200-D-SS
2½"		250-D-SS
3"	300-D-MI	300-D-SS
4"	<b>400-D-MI</b> <sup>1</sup>	400-D-SS
5"	500-D-MI	500-D-SS
6"		600-D-SS

<sup>&</sup>lt;sup>1</sup> ductile iron



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

# Cam & Groove



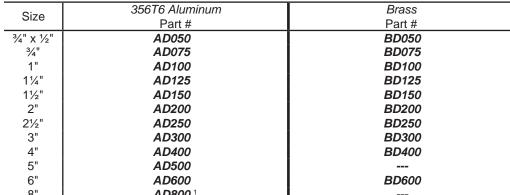


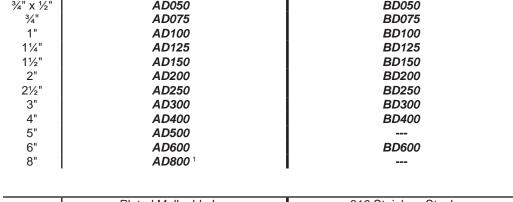
# Boss-Lock™ Type D Couplers

# coupler x female NPT

# Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 -170.
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.







brass

356T6 aluminum

plated malleable iron

Size	Plated Malleable Iron	316 Stainless Steel
Size	Part #	Part #
3/4" X 1/2"	***	RD050BL
3/4"	ID075	RD075BL
1"	ID100	RD100BL
1¼"	mm m	RD125BL
1½"	ID150	RD150BL
2"	ID200	RD200BL
3"	ID300	RD300BL
4"	ID400	RD400BL
6"	ID600 <sup>2</sup>	



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 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









brass



316 stainless steel





heavy duty 316 stainless steel

356T6 Aluminum Brass Size Part # Part # 3/4" X 1/2" BD075EZ 3/4" AD075EZ 1" AD100EZ BD100EZ 11/4" BD125EZ 11/2" AD150EZ BD150EZ 2" AD200EZ BD200EZ 21/2" AD250EZ BD250EZ 3" AD300EZ BD300EZ 4" AD400EZ BD400EZ AD500EZ 5" 6" AD600EZ 8" **AD800EZ** 1

Size	316 Stainless Steel	Heavy Duty 316 Stainless Steel
Size	Part #	Part #
3/4" X 1/2"	RD050EZ	
3/4"	RD075EZ	
1"	RD100EZ	
11/4"	RD125EZ	
1½"	RD150EZ	
2"	RD200EZ	
21/2"	RD250EZ	
3"	RD300EZ	RD300EZHD <sup>2</sup>
4"	RD400EZ	RD400EZHD <sup>3</sup>
5"		
6"	RD600EZ	

- <sup>1</sup> Dixon<sup>®</sup> and Boss-Lock<sup>™</sup> cam & groove couplings do not interchange in the 8" size.
- pressure rating of 400 PSI
- <sup>3</sup> pressure rating of 300 PSI



# Cam & Groove

356T6 aluminum



aluminum hard coat



brass

# Type E 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	Aluminum Hard Coat	Brass
Size	Part #	Part #	Part #
1/2"	50-E-AL		50-E-BR
3/4" X 1/2"	7550-E-AL		
3/4"	75-E-AL		75-E-BR
1"	100-E-AL		100-E-BR
11/4"	125-E-AL		125-E-BR
1½"	150-E-AL	150-E-ALH	150-E-BR
2"	200-E-AL	200-E-ALH	200-E-BR
2½"	250-E-AL		250-E-BR
3"	300-E-AL	300-E-ALH	300-E-BR
4"	400-E-AL	400-E-ALH	400-E-BR
5"	500-E-AL		
6"	600-E-AL	600-E-ALH	600-E-BR
8" DIX	800-E-AL <sup>1</sup>		
8" BL	801-E-AL <sup>1</sup>		

<sup>&</sup>lt;sup>1</sup> Dixon<sup>®</sup> and Boss-Lock<sup>™</sup> cam & groove couplings *do not interchange in the 8" size*.





unplated malleable iron



plated malleable iron



316 stainless steel

Size	Unplated Malleable Iron	Plated Malleable Iron	316 Stainless Steel
Size	Part #	Part #	Part #
1/2"			50-E-SS
3/4" X 1/2"			7550-E-SS
3/4"		75-E-PM	75-E-SS
1"		100-E-PM	100-E-SS
11/4"		125-E-PM	125-E-SS
1½"	150-E-MI	150-E-PM	150-E-SS
2"	<b>200-E-MI</b> <sup>2</sup>	200-E-PM	200-E-SS
21/2"			250-E-SS
3"	300-E-MI <sup>1, 2</sup>	<b>300-E-PM</b> 1, 2	300-E-SS
4"	<b>400-E-MI</b> 1, 2	<b>400-E-PM</b> 1, 2	400-E-SS
5"			500-E-SS
6"	600-E-MI <sup>1, 2</sup>	600-E-PM 1, 2	600-E-SS

<sup>&</sup>lt;sup>1</sup> suitable for King Crimp™ sleeves and ferrules, see pages 111 - 114

# 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.

- 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<sup>®</sup> recommends the use of ¾" wide band clamps found on page 276
- other sizes available, consult Dixon® for pricing and availability

Size	316 Stainless Steel	Optional
	Part #	Qty
2"	RE200PF	10



<sup>&</sup>lt;sup>2</sup> ductile iron

## 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

0:	Hose OD		316 Stainless Steel	
Size	from	to	Part #	
3/4"	1-6/64"	1-22/64"	RE075-1370	
1"	1-29/64"	1-35/64"	RE100-1620	
1"	1-36/64"	1-44/64"	RE100-1770	



# C

## 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, <u>do not</u> use other manufacturer's stems or ferrules with Dixon® products.



316 Stainless Steel Part #
RE150NO
RE200NO
RE300NO
RE400NO





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.

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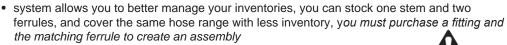
Size	Hose OD		304 Stainless Steel
Size	From	То	Part #
1½"	1-60/64"	2-12/64"	GAS2334NO
1½"	2-4/64"	2-22/64"	GAS2370NO
2"	2-30/64"	2-44/64"	GAS2709NO
2"	2-42/64"	2-54/64"	GAS2885NO
2½"	2-54/64"	3"	GAS3012NO
2½"	3-1/64"	3-13/64"	GAS3260NO
3"	3-30/64"	3-46/64"	GAS3760NO
3"	3-47/64"	3-54/64"	GAS3885NO
4"	4-40/64"	4-47/64"	GAS5010NO

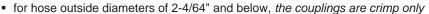


## Type E Adapters with Notched NOS shank

## adapter x shank

## Features:





- 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 Part #
1½"	150ENOSSS 1
2"	200ENOSSS
3"	300ENOSSS

<sup>&</sup>lt;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
Size	From	То	Part #
1½"	1-60/64"	2-12/64"	GAS2334NOS
1½"	2-4/64"	2-22/64"	GAS2370NOS
2"	2-30/64"	2-44/64"	GAS2709NOS
2"	2-42/64"	2-54/64"	GAS2885NOS
3"	3-30/64"	3-46/64"	GAS3760NOS
3"	3-47/64"	3-54/64"	GAS3885NOS
4"	4-40/64"	4-47/64"	GAS5010NOS

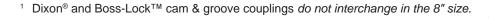
## Type F Adapters x NPT

## adapter x male NPT

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



-	356T6 Aluminum	Aluminum Hard Coat	Brass
Size	Part #	Part #	Part #
1/2"	50-F-AL		50-F-BR
3⁄4" X 1⁄2"	7550-F-AL		7550-F-BR
3/4"	75-F-AL		75-F-BR
1"	100-F-AL		100-F-BR
11/4"	125-F-AL		125-F-BR
1½"	150-F-AL	150-F-ALH	150-F-BR
2"	200-F-AL	200-F-ALH	200-F-BR
21/2"	250-F-AL		250-F-BR
3"	300-F-AL	300-F-ALH	300-F-BR
4"	400-F-AL	400-F-ALH	400-F-BR
5"	500-F-AL		
6"	600-F-AL	600-F-ALH	600-F-BR
8" DIX	800-F-AL <sup>1</sup>		
8" BL	801-F-AL <sup>1</sup>		





Size	Unplated Malleable Iron	Plated Malleable Iron	316 Stainless Steel
Size	Part #	Part #	Part #
1/2"			50-F-SS
3/4" X 1/2"			7550-F-SS
3/4"		75-F-PM	75-F-SS
1"		100-F-PM	100-F-SS
11/4"			125-F-SS
1½"	150-F-MI	150-F-PM	150-F-SS
2"	200-F-MI	200-F-PM	200-F-SS
21/2"			250-F-SS
3"	300-F-MI	300-F-PM	300-F-SS
4"	400-F-MI	400-F-PM	400-F-SS
6"		600-F-PM	600-F-SS



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



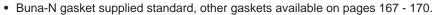
plated malleable iron



316 stainless

## Dixon® Type DC Dust Caps

## Features:



• 1/2" Dixon® has only one cam arm.

The 8" Dixon® dust cap has 2 cam arms.

• Pull rings are not supplied on ½" - 1" Dixon® couplings.

Ciro	356T6 Aluminum	Aluminum Hard Coat	Brass
Size	Part #	Part #	Part #
1/2"	50-DC-AL		50-DC-BR
3/4"	75-DC-AL		75-DC-BR
1"	100-DC-AL		100-DC-BR
1½"	150-DC-AL	150-DC-ALH	150-DC-BR
2"	200-DC-AL	200-DC-ALH	200-DC-BR
2½"	250-DC-AL		
3"	300-DC-AL	300-DC-ALH	300-DC-BR
4"	400-DC-AL	400-DC-ALH	400-DC-BR
5"	500-DC-AL	l l	500-DC-BR
6"	600-DC-AL	600-DC-ALH	
8"	800-DC-AL 1, 2		

<sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings do not interchange in the 8" size.



356T6 aluminum

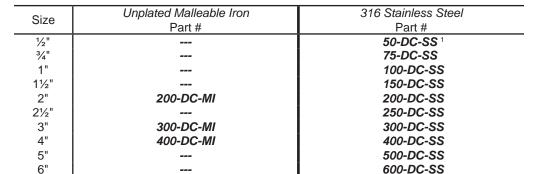


aluminum hard coat





unplated malleable iron





316 stainless steel



## 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	Brass
O126	Part #	Part #
1½"	150DC-LAL	150DC-LBR
2"	200DC-LAL	200DC-LBR
3"	300DC-LAL	300DC-LBR
4"	400DC-LAL	
6"	600DC-LAL	



## Feature:

• angled, ergonomic thumb release

Size	316 Stainless Steel
0126	Part #
1½"	150DC-LSS
2"	200DC-LSS
3"	300DC-LSS
4"	400DC-LSS



## 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.







356T6 aluminum



plated malleable iron



316 stainless steel

Size Part # Part #	
1" AH100 BH100	
1¼" AH125 BH125	
1½" AH150 BH150	
2" AH200 BH200	
2½" AH250 BH250	
3" AH300 BH300	
4" AH400 BH400	
6" AH600 BH600	
8" AH800 1	

	Plated Malleable Iron	316 Stainless Steel
Size	Part #	Part #
3/4"		RH075BL
1"		RH100BL
11/4"		RH125BL
1½"	IH150	RH150BL
2"	IH200	RH200BL
3"	IH300	RH300BL
4"	IH400	RH400BL
6"	IH600	

<sup>&</sup>lt;sup>1</sup> Dixon® and Boss-Lock™ cam & groove couplings do not interchange in the 8" size.





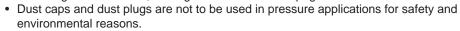
# Cam & Groove

## EZ Boss-Lock™ Type H Dust Caps

356T6 aluminum

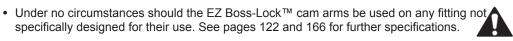
## Features:

• Buna-N gasket standard, other gaskets available on pages 167 - 170.





Size	356T6 Aluminum	Brass	316 Stainless Steel
Size	Part #	Part #	Part #
3/4"			RH075EZ
1"	AH100EZ	BH100EZ	RH100EZ
11/4"			RH125EZ
11/2"	AH150EZ	BH150EZ	RH150EZ
2"	AH200EZ	BH200EZ	RH200EZ
21/2"	AH250EZ		
3"	AH300EZ	BH300EZ	RH300EZ
4"	AH400EZ		RH400EZ
6"	AH600EZ		RH600EZ







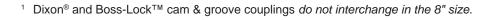
316 stainless steel

## 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	Aluminum Hard Coat	Brass
Size	Part #	Part #	Part #
1/2"			50-DP-BR
3/4"	75-DP-AL		75-DP-BR
1"	100-DP-AL		100-DP-BR
1¼"	125-DP-AL		125-DP-BR
1½"	150-DP-AL	150-DP-ALH	150-DP-BR
2"	200-DP-AL	200-DP-ALH	200-DP-BR
2½"	250-DP-AL		
3"	300-DP-AL	300-DP-ALH	300-DP-BR
4"	400-DP-AL	400-DP-ALH	400-DP-BR
5"	500-DP-AL		
6"	600-DP-AL	600-DP-ALH	600-DP-BR
8" DIX	800-DP-AL 1		
8" BL	801-DP-AL <sup>1</sup>		





Size	Unplated Malleable Iron	Plated Malleable Iron	316 Stainless Steel
3126	Part #	Part #	Part #
1/2"			50-DP-SS 1
3/4"			75-DP-SS
1"			100-DP-SS
11/4"		125-DP-PM	125-DP-SS
1½"	150-DP-MI	150-DP-PM	150-DP-SS
2"	200-DP-MI	200-DP-PM	200-DP-SS
21/2"		250-DP-PM	250-DP-SS
3"	300-DP-MI	300-DP-PM	300-DP-SS
4"	400-DP-MI	400-DP-PM	400-DP-SS
6"			600-DP-SS



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



plated malleable iron



316 stainless steel

# Cam & Groove



## Type A Adapters adapter x female NPT

Size	Hastelloy® CW12MW Part #
1"	100-A-HA
1½"	150-A-HA
2"	200-A-HA
3"	300-A-HA

• 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 Part #
1"	100-E-HA <sup>1</sup>
1½"	150-E-HA
2"	200-E-HA <sup>1</sup>
3"	300-E-HA

- 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
Size	Part #
1"	100-F-HA
1½"	150-F-HA
2"	200-F-HA
3"	300-F-HA

• 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 Part #
1"	HAB100EZ
1½"	HAB150EZ
2"	HAB200EZ
3"	HAB300EZ



## 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

_		5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
	Size	Hastelloy® CW12MW
	Size	Part #
	1"	HAC100EZ1
	1½"	HAC150EZ
	2"	HAC200EZ1
	3"	HAC300EZ



# 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
3126	Part #
1"	HAD100EZ
1½"	HAD150EZ
2"	HAD200EZ
3"	HAD300EZ



<sup>&</sup>lt;sup>1</sup> King Crimp™ shank



## 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 Part #
3" x 3"	1/4"	300DAT25SS
3" x 3"	3/8"	300DAT38SS
3" x 3"	1/2"	300DAT50SS
3" x 3"	3/4"	300DAT75SS

## Type DA Jump Size Couplings

## coupler x adapter

## Feature:

• Buna-N gasket standard with a, other gaskets available on pages 167 - 170.







2015-DA-AL

- <sup>1</sup> parts are produced as a welded fabrication
- <sup>2</sup> The 8" coupler only interchanges with Dixon® adapters.





5060-DA-AL

Size	Brass	Unplated Malleable Iron
	Part #	Part #
3" x 2"	3020-DA-BR	3020-DA-MI
3" x 4"	3040-DA-BR	
4" x 3"	4030-DA-BR	4030-DA-MI
6" x 4"	6040-DA-BR	6040-DA-MI

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).

## 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	316 Stainless Steel
0126	Part #	Part #
2" x 3"	ADA2030 <sup>1</sup>	RDA2030BL <sup>1</sup>
2½" x 2"	ADA2520 <sup>1</sup>	
2½" x 3"	ADA2530 <sup>1</sup>	
3" x 2"	ADA3020	RDA3020BL
3" x 4"	ADA3040 <sup>1</sup>	RDA3040BL <sup>1</sup>
4" x 2"	ADA4020 <sup>1</sup>	RDA4020BL 1
4" x 3"	ADA4030	RDA4030BL
6" x 4"	ADA6040 <sup>1</sup>	
8" x 6"	ADA8060 1, 2	
		-



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).



# 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	316 Stainless Steel
Size	Part #	Part #
2" x 3"	ADA2030EZ 1	RDA2030EZ1
3" x 2"	ADA3020EZ	RDA3020EZ
3" x 4"	ADA3040EZ 1	RDA3040EZ1
4" x 2"	ADA4020EZ1	RDA4020EZ1
4" x 3"	ADA4030EZ	RDA4030EZ
6" x 4"	ADA6040EZ1	RDA6040EZ



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 Part #
3" x 2"	1/4"	3020DAT25SS
3" x 2"	3/8"	3020DAT38SS
3" x 2"	1/2"	3020DAT50SS
3" x 2"	3/4"	3020DAT75SS



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).

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

<sup>&</sup>lt;sup>2</sup> The 8" coupler only interchanges with 8" Boss-Lock™ couplings.

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



## adapter x adapter

## Feature:

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



increaser / reducer



same size

Size	356T6 Aluminum Part #	316 Stainless Steel Part #	Unplated Malleable Iron Part #
1"		100-AA-SS	
11⁄4"		125-AA-SS <sup>1</sup>	
1½"	150-AA-AL	150-AA-SS	
1½" x 2"	1520-AA-AL	1520-AA-SS	
2"	200-AA-AL	200-AA-SS	
2" x 3"	2030-AA-AL	2030-AA-SS	
2" x 4"	2040-AA-AL	2040-AA-SS 1	
2½" x 3"	2530-AA-AL <sup>1</sup>	2530-AA-SS <sup>1</sup>	
2½" x 4"	2540-AA-AL 1		
3"	300-AA-AL	300-AA-SS	
3" x 4"	3040-AA-AL	3040-AA-SS <sup>1</sup>	
4"	400-AA-AL	400-AA-SS	NEW 400-AA-MI
4" x 5"	4050-AA-AL		
4" x 6"	4060-AA-AL	4060-AA-SS <sup>1</sup>	<i></i>
5"	500-AA-AL <sup>1</sup>	500-AA-SS <sup>1</sup>	
5" x 6"	5060-AA-AL <sup>1</sup>		
6"	600-AA-AL	600-AA-SS 1	

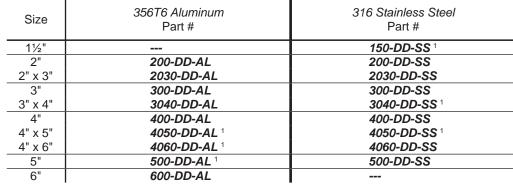
<sup>1</sup> parts are produced as a welded fabrication

Size	Brass
Size	Part #
2"	200-AA-BR
3"	300-AA-BR

## Type DD Dixon® Couplers coupler x coupler



Buna-N gasket standard, other gaskets available on pages 167 - 170







reducer / increaser



same size

## Type DD Boss-Lock™ Couplers

## coupler x coupler



- 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 Part #	316 Stainless Steel Part #
2"	ADD200 <sup>1</sup>	RDD200EZ
2" x 3"	ADD2030 <sup>1</sup>	RDD2030EZ1
3"	ADD300 <sup>1</sup>	RDD300EZ1
3" x 4"	ADD3040 <sup>1</sup>	RDD3040EZ1
4"	ADD400 <sup>1</sup>	RDD400EZ1
6"		RDD600EZ1

<sup>&</sup>lt;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	316 Stainless Steel
Size	Part #	Part #
2" x 1½"	2015-A-AL	2015-A-SS <sup>1</sup>
2" x 3"	2030-A-AL	2030-A-SS
3" x 2"	3020-A-AL	3020-A-SS
3" x 4"	3040-A-AL	
4" x 3"	4030-A-AL	4030-A-SS <sup>1</sup>
4" x 6"	4060-A-AL	
6" x 4"	6040-A-AL	6040-A-SS <sup>1</sup>



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 B Jump Size Couplers

## coupler x male NPT

## Feature:

• Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1½" x 1"	1510-B-AL	1510-B-SS <sup>1</sup>
2" x 1½"	2015-B-AL	2015-B-SS <sup>1</sup>
2" x 3"	2030-B-AL	
3" x 2"	3020-B-AL	3020-B-SS <sup>1</sup>
3" x 4"	3040-B-AL	***
4" x 3"	4030-B-AL	4030-B-SS <sup>1</sup>



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	316 Stainless Steel
Size	Part #	Part #
1½" x 1"		1510-C-SS
2" x 1½"	2015-C-AL 1	2015-C-SS <sup>1</sup>
3" x 2"	3020-C-AL	3020-C-SS
3" x 2½"		3025-C-SS
3" x 4"	3040-C-AL	
4" x 3"	4030-C-AL	4030-C-SS <sup>1</sup>
5" x 4"	5040-C-AL 1	



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).

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

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

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



## Dixon® Type D Jump Size Couplers

## coupler x female NPT

## Feature:

• Buna-N gasket standard, other gaskets available on pages 167 - 170



Size	356T6 Aluminum Part #	Optional Qty	<i>Brass</i> Part #	316 Stainless Steel Part #
1½" x 1"	1510-D-AL	10		1510-D-SS <sup>1</sup>
2" x 1½"	2015-D-AL	10		2015-D-SS
3" x 2"	3020-D-AL	10		3020-D-SS
4" x 3"	4030-D-AL	10	4030-D-BR	4030-D-SS 1
5" x 4"	5040-D-AL 1			
6" x 4"	6040-D-AL 1			

<sup>&</sup>lt;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	316 Stainless Steel Part #
1½" x 1"	Part #	1510-E-SS
2" x 1½"	2015-E-AL <sup>1</sup>	2015-E-SS <sup>1</sup>
3" x 2"		3020-E-SS 1
3" x 2½"		3025-E-SS
4" x 3"	4030-E-AL	4030-E-SS <sup>1</sup>
5" x 4"	5040-E-AL <sup>1</sup>	

<sup>&</sup>lt;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



Ciro	356T6 Aluminum	316 Stainless Steel
Size	Part #	Part #
1½" x 2"	1520-F-AL	
2" x 1½"	2015-F-AL	2015-F-SS1
2" x 3"	2030-F-AL	
3" x 1½"	3015-F-AL	3015-F-SS <sup>1</sup>
3" x 2"	3020-F-AL	3020-F-SS
3" x 4"	3040-F-AL	
4" x 3"	4030-F-AL	4030-F-SS

<sup>&</sup>lt;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	316 Stainless Steel	Unplated Malleable Iron
Size	Part #	Part #	Part #
2"	200DA-45AL 1	200DA-45SS 1	
3"	300DA-45AL	300DA-45SS <sup>1</sup>	
4"	400DA-45AL	400DA-45SS <sup>1</sup>	400DA-45MI
6"	600DA-45AL		



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

## Dixon® Type DD 45° Elbows

## coupler x coupler

## Feature:

Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2"	200DD-45AL <sup>1</sup>	
3"	300DD-45AL <sup>1</sup>	300DD-45SS <sup>1</sup>
4"	400DD-45AL	
6"	600DD-45AL <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	316 Stainless Steel
3126	Part #	Part #
1"		100DA-90SS <sup>1</sup>
1½"	150DA-90AL <sup>1</sup>	150DA-90SS <sup>1</sup>
2"	200DA-90AL	200DA-90SS
3"	300DA-90AL	300DA-90SS
4"	400DA-90AL	400DA-90SS
5"	500DA-90AL <sup>1</sup>	
6"	600DA-90AL	RDA90600EZ 1, 2



part is produced as a welded fabrication EZ Boss-Lock™ design (not pictured)

## Dixon® Type DD 90° Elbows

## Feature:

## coupler x coupler

• Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2"	200DD-90AL	
3"	300DD-90AL 1	300DD-90SS <sup>1</sup>
4"	400DD-90AL	
6"	600DD-90AL	





## Type A 90°Adapters Elbows

## Feature:

## adapter x female NPT

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

Size	356T6 Aluminum	316 Stainless Steel
Size	Part #	Part #
1½"	150A-90AL	
2"	200A-90AL	200A-90SS <sup>1</sup>
3"	300A-90AL	300A-90SS
4"	400A-90AL	



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



# Cam & Groove

## Type B 90° Dixon® Elbows

## coupler x male NPT

## Feature:

• Buna-N gasket standard, other gaskets available on pages 167 - 170



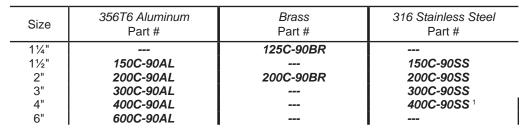
<sup>&</sup>lt;sup>1</sup> Parts are produced as a welded fabrication.

## Type C 90° Dixon® Elbows

## coupler x hose shank

## Feature:

• Buna-N gasket standard, other gaskets available on pages 167 - 170



Part #

200B-90SS 1

300B-90SS 1

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



## Type D 90° Dixon® Elbows

## coupler x female NPT

## Feature:

• Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum	Brass	316 Stainless Steel
Size	Part #	Part #	Part #
1"			100D-90SS
1¼"		125D-90BR	
1½"	150D-90AL	150D-90BR	
2"	200D-90AL	200D-90BR	200D-90SS
3"	300D-90AL		300D-90SS
4"	400D-90AL		400D-90SS 1
4"	AD90400EZ <sup>2</sup>		
6"	600D-90AL		

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





EZ Boss-Lock™ design

<sup>&</sup>lt;sup>2</sup> EZ Boss-Lock<sup>™</sup> 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 Part #	316 Stainless Steel Part #
2"		200E-90SS <sup>1</sup>
3"	300E-90AL	300E-90SS
4"	400E-90AL	400E-90SS <sup>1</sup>

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



## 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	316 Stainless Steel
0.20	Part #	Part #
1½"	150F-90AL	
2"	200F90AL	200F-90SS <sup>1</sup>
3"		300F-90SS <sup>1</sup>

<sup>&</sup>lt;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"					100-AL-SS	9/16"
11/2"					150-AL-SS	11/16"
2"	200-AL-AL	3/4"			200-AL-SS	7/16"
3"	300-AL-AL	5/8"	300-AL-MI	5/8"	300-AL-SS	7/16"
4"	400-AL-AL	5/8"			400-AL-SS	7/16"
6"	600-AL-AL	5/8"			600-AL-SS	5/8"
8"	800-AL-AL 1	11/8"				

- <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

• global product made to Dixon® specifications

Size	316 Stainless Steel Part #	Flange Thickness
2"	200-AL-SSANSI	3/4"
3"	300-AL-SSANSI	15/16"

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

## Dixon® Coupler x 150# Flange

• Buna-N gasket standard, other gaskets available on pages 167 - 170



Size	356T6 Aluminum	Flange	316 Stainless Steel	Flange
Size	Part #	Thick	Part #	Thick.
1"			100-DL-SS	21/32"
1½"		<b> </b>	150-DL-SS	25/32"
2"	200-DL-AL	3/4"	200-DL-SS	7/16"
3"	300-DL-AL	15/16"	300-DL-SS	7/16"
4"	400-DL-AL	15/16"	400-DL-SS	7/16"
6"	600-DL-AL	1"	600-DL-SS	5/8"
8"	800-DI -AI 1	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"	RDL100EZ1	9/16"
1½"	RDL150EZ1	11/16"
2"	RDL200EZ	7/16"
3"	RDL300EZ1	7/16"
4"	RDL400EZ1	7/16"
6"	RDL600EZ1	1"

- 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 Part #	316 Stainless Steel Part #
3/4"	1.065		75DWSPSS
1"	1.330	100DWSPAL	100DWSPSS
11/2"	1.915	150DWSPAL	150DWSPSS
2"	2.390	200DWSPAL	200DWSPSS
3"	3.530	300DWSPAL	300DWSPSS
4"	4.530	400DWSPAL	400DWSPSS
5"	5.562	500DWSPAL	500DWSPSS
6"	6.655	600DWSPAL	600DWSPSS
8"	8.711	800DWSPAL 1	



Dixon® and Boss-Lock™ cam & groove couplings do not interchange in the 8" size. The 8" Dixon® design has 4 cam arms.



## Dixon® Coupler Butt Weld to Schedule 40 Pipe/Socket Weld to Nominal Tubing

Size	Bore	356T6 Aluminum	316 Stainless Steel
		Part #	Part #
3/4"	.765		75DWBPSTSS
1"	1.015		100DWBPSTSS
1½"	1.515	150DWBPSTAL	150DWBPSTSS
2"	2.015	200DWBPSTAL	200DWBPSTSS
3"	3.015	300DWBPSTAL	300DWBPSTSS
4"	4.015	400DWBPSTAL	400DWBPSTSS
5"	5.015	500DWBPSTAL	
6"	6.020	600DWBPSTAL	





## EZ Boss-Lock™ Coupler Socket Weld to Schedule 40 Pipe

Size	Bore	316 Stainless Steel Part #
3/4"	1.065	RDWSP075EZ
1"	1.330	RDWSP100EZ
1½"	1.915	RDWSP150EZ
2"	2.390	RDWSP200EZ
3"	3.530	RDWSP300EZ
4"	4.530	RDWSP400EZ
6"	6.655	RDWSP600EZ





# 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 Part #
3/4"	.765	RDWBPST075EZ
1"	1.015	RDWBPST100EZ
1½"	1.515	RDWBPST150EZ
2"	2.015	RDWBPST200EZ
3"	3.015	RDWBPST300EZ
4"	4.015	RDWBPST400EZ
6"	6.020	RDWBPST600EZ
4"	4.015	RDWBPST400EZ

# C

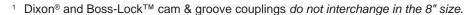
## Adapter Socket Weld to Schedule 40 Pipe

• not all configurations are stocked





Size	Bore	<i>356T6 Aluminum</i> Part #	316 Stainless Steel Part #
3/4"	1.065		75AWSPSS
1"	1.330		100AWSPSS
1½"	1.915	150AWSPAL	150AWSPSS
2"	2.390	200AWSPAL	200AWSPSS
3"	3.530	300AWSPAL	300AWSPSS
4"	4.530	400AWSPAL	400AWSPSS
5"	5.593	500AWSPAL	500AWSPSS
6"	6.655	600AWSPAL	600AWSPSS
8" DIX	8.711	800AWSPAL 1	
8" BL	8.711	801AWSPAL 1	

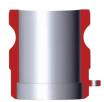




• final weld preparation, as with all weld fittings, is the responsibility of the welder

## Adapter Butt Weld to Schedule 40 Pipe/Socket Weld to Nominal Tubing





Size	Bore	356T6 Aluminum Part #	316 Stainless Steel Part #
3/4"	.765		75AWBPSTSS
1"	1.015		100AWBPSTSS
1½"	1.515	150AWBPSTAL	150AWBPSTSS
2"	2.015	200AWBPSTAL	200AWBPSTSS
3"	3.015	300AWBPSTAL	300AWBPSTSS
4"	4.015	400AWBPSTAL	400AWBPSTSS
5"	5.015	500AWBPSTAL	500AWBPSTSS
6"	6.020	600AWBPSTAL	600AWBPSTSS
8" BL	8.035	801AWBPSTAL 1	

<sup>&</sup>lt;sup>1</sup> Dixon<sup>®</sup> and Boss-Lock<sup>™</sup> 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<sup>™</sup> couplers are supplied with pull-ring safety clips

Size	356T6 Aluminum Part #
2"	AC200TUBF



## 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 Part #
3" x 3"	3533CA
3" x 4"	3534CA
4" x 3"	3543CA
4" x 4"	3544CA



## Adapter x Adapter

Size	Aluminum Part #
3" x 3"	3533AA
3" x 4"	3534AA
4" x 4"	3544AA



## **Coupler x Coupler**

Size	Aluminum Part #
3" x 3"	3533CC
4" x 3"	3543CC
4" x 4"	3544CC





# Cam & Groove

## 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 Part #
4"	400-AS-AL

## Boss-Lock™ Coupler x Female NPSM

## Features:

- Buna-N gasket standard, other gaskets available on pages 167 170
- All Boss-Lock<sup>™</sup> couplers are supplied with pull-ring safety clips

Size	356T6 Aluminum Part #
4"	ADS400



## Dixon® Coupler x Adapter Wye

• Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum
Size	Part #
2"	200YDAAAL

## Dixon® Cam & 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 11/4" 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.

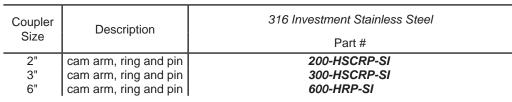






316 sintered stainless steel

Coupler Size	Description	<i>Brass</i> Part #	316 Sintered Stainless Steel Part #
1/2"	cam arm and pin		50-HP-SP
3/4"	cam arm and pin		75-HP-SP
1"	cam arm and pin		100-HP-SP
11/4" - 21/2"	cam arm, ring and pin	200-HRP-BR	200-HRP-SP
3" - 5"	cam arm, ring and pin	300-HRP-BR	300-HRP-SP
6"	cam arm, ring and pin	600-HRP-BR	
8"	cam arm and pin	800-HNP-BR	





316 investment stainless steel

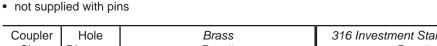
## Dixon® Cam & Groove Locking Handles for Dust Caps

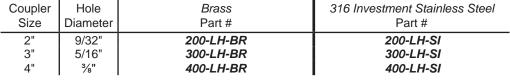
## Features:

• 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.







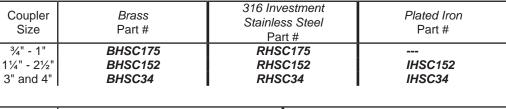


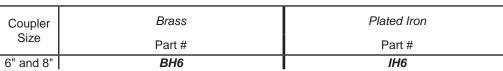


## Boss-Lock™ Cam & Groove Handles

 Boss-Lock<sup>™</sup> handles should only be used with Boss-Lock<sup>™</sup> parts. Handles do not interchange with other manufacturer's handles or couplers.









IHSC152



## 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	Brass
Size	Part #
3/4" - 1"	RHEZ175
1¼" - 2½"	RHEZ152
3" - 5"	RHEZ34
6" and 8"	RHEZ6

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





### Features:

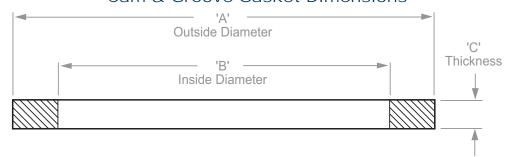
Dixon® paddle handles are only to be used with standard Dixon® parts (not global).
 Handles do not interchange with other manufacturer's handles or couplers.



· not supplied with pins

Coupler	Brass	316 Investment Cast Stainless Steel
Size	Part #	Part #
3" and 4"	300H-PADBR	300H-PADSS

## Cam & Groove Gasket Dimensions



- 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		
Oizo	Tall#	A	В	С
1/2"	50-G1	1-1/32"	11/16"	.156"
3/4"	75-G	1-3/8"	7/8"	.218"
1"	100-G	1-9/16"	1-1/16"	.250"
11/4"	125-G	1-15/16"	1-23/64"	.250"
1½"	150-G	2-3/16"	1-5/8"	.250"
2"	200-G	2-5/8"	2"	.250"
2½"	250-G	3-1/8"	2-3/8"	.250"
3"	300-G	3-23/32"	3"	.250"
4"	400-G	4-7/8"	4"	.250"
5"	500-G	5-15/16"	4-7/8"	.250"
6"	600-G	7-1/16"	6"	.250"
8"	800-G1	9-5/16"	8-1/8"	.343"

<sup>&</sup>lt;sup>1</sup> No interchange standard exists for the ½" 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 & Groove Gasket Color Codes

Gasket Code <sup>1</sup>	Material	Color	Color code stripes (appear on the OD of the gasket or filler)
-BU	Buna-N (standard in all metal fittings)	black	1 blue
-BF	Buna (formulated for fuel service)	black	1 green
-VI	FKM	black	1 yellow
-THK	Extra Thick Buna	black	2 blue
-EPR	Ethylene Propylene	black	1 white
-NE	Neoprene	black	1 red
-WNE	White Neoprene, FDA approved material	white	none
-WB	White Buna-N, FDA approved material	white	blue
-SIL	Silicone	red	none
-TF	PTFE (TFE) envelope with Buna-N filler	white / black	1 blue
TFVI	PTFE (TFE) envelope with FKM filler	white / black	1 yellow
<b>TFWB</b>	PTFE (TFE) envelope with White Buna-N filler, FDA approved materials	white / white	blue
TFEP	PTFE (TFE) envelope with Ethylene Propylene filler	white / black	1 white stripe
-TES	PTFE (FEP) encapsulated Silicone core, FDA approved materials	translucent / red	none
-TEV	PTFE (FEP) encapsulated FKM core	translucent / black	none
<b>TFACC</b>	PTFE (TFE) accordion, FDA approved materials	white	none

<sup>&</sup>lt;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 & Groove Gaskets





Size	Buna-N	FKM
Size	Part #	Part #
1/2"	50-G-BU	50-G-VI
3/4"	75-G-BU	75-G-VI
1"	100-G-BU	100-G-VI
11/4"	125-G-BU	125-G-VI
1½"	150-G-BU	150-G-VI
2"	200-G-BU	200-G-VI
21/2"	250-G-BU	250-G-VI
3"	300-G-BU	300-G-VI
4"	400-G-BU	400-G-VI
5"	500-G-BU	500-G-VI
6"	600-G-BU	600-G-VI
8"	800-G-BU	800-G-VI





extra thick Buna-N



ethylene propylene

Size	extra thick Buna-N	Ethylene Propylene
Size	Part #	Part #
3/4"		75-G-EPR
1"	100GTHK	100-G-EPR
11/4"	125GTHK	125-G-EPR
1½"	150GTHK	150-G-EPR
2"	200GTHK	200-G-EPR
21/2"	250GTHK	250-G-EPR
3"	300GTHK	300-G-EPR
4"	400GTHK	400-G-EPR
6"	600GTHK	



neoprene



white neoprene

white Buna-N1

Part #

300-G-WB

400-G-WB



white Buna-N



<sup>1</sup> white Buna-N gaskets contain FDA approved materials

write Buria 14 gaskets contain 1 B/t approved mater

Size

1½"

2"

3"

4"

Silicone

Part #

150-G-SIL

200-G-SIL

300-G-SIL

400-G-SIL

white Neoprene<sup>1</sup> Neoprene Size Part # Part # 3/4" 75-G-NE 1" 100-G-NE 11/4" 125-G-NE 1½" 150-G-NE 150-G-WNE 2" 200-G-NE 200-G-WNE 21/2" 250-G-NE 3" 300-G-WNE 300-G-NE 4" 400-G-NE 400-G-WNE 5" 500-G-WNE 6" 600-G-WNE

<sup>&</sup>lt;sup>1</sup> white neoprene gaskets contain FDA approved materials

## (

## **Fuel Gaskets**

Size	Material	Part #
1½"	Buna	150-G-BF
2"	Buna	200-G-BF
3"	Buna	300-G-BF
4"	Buna	400-G-BF
3"	extra thick Buna-N	300GTHKBF
4"	extra thick Buna-N	400GTHKBF



## Cam & 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	PTFE (TFE) with FKM filler
Size	Part #	Part #
1/2"	50-G-TF	50-G-TF-VI
3/4"	75-G-TF	75-G-TF-VI
1"	100-G-TF	100GTFVI
1¼"	125-G-TF	125GTFVI
1½"	150-G-TF	150GTFVI
2"	200-G-TF	200GTFVI
2½"	250-G-TF	250GTFVI
3"	300-G-TF	300GTFVI
4"	400-G-TF	400GTFVI
6"	600-G-TF	600GTFVI



	PTFE (TFE) with white Buna-N filler	PTFE (TFE) with Ethylene Propylene filler
Size	Part #	Part #
1½"		150GTFEP
2"	200GTFWB	200GTFEP
3"	300GTFWB	300GTFEP
4"	400GTFWB	
5"	500GTFWB	

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.



# C

## Cam & Groove Encapsulated Gaskets

## Features:

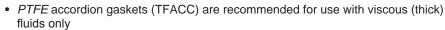
- PTFE encapsulated silicone (TES) gaskets contain FDA approved materials
- encapsulated gasket pressure ratings are reduced to 125 PSI for ¾" 4" at ambient temperature 70°F (21°C)
- PTFE encapsulated FKM (TEV) gaskets maximum operating temperature 200°F (93°C)
- PTFE encapsulated silicone (TES) gaskets maximum operating temperature 225°F (107°C)
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations

Size	PTFE (FEP) encapsulated silicone	PTFE (FEP) encapsulated FKM
Size	Part #	Part #
3/4"	75-G-TES	75-G-TEV
1"	100-G-TES	100-G-TEV
11/4"	125-G-TES	125-G-TEV
1½"	150-G-TES	150-G-TEV
2"	200-G-TES	200-G-TEV
2½"	250-G-TES	250-G-TEV
3"	300-G-TES	300-G-TEV
4"	400-G-TES	400-G-TEV



## Cam & Groove Accordion Gaskets

### Features:





 maximum operating temperatures for specific chemicals may be lower, contact Dixon<sup>®</sup> for specific recommendations



Size	PTFE (TFE)
Size	Part #
3/4"	75GTFACC
1"	100GTFACC
11/4"	125GTFACC
1½"	150GTFACC
2"	200GTFACC
3"	300GTFACC

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
Size	Part #
3"	WH300-A
4"	WH400-A



## Gaskets for Witches Hat Strainers

Size	Buna-N Gasket Part #
3"	WH300-G
4"	WH400-G



## **Disk Strainers**

## Feature:

· threads into bottom of female NPT fitting to protect equipment from large contaminants

Size	Hole Size	6061T6 Aluminum Part #	304 Investment Cast Stainless Steel Part #
2"	1/4"	SDA200	SDS200
3"	1/4"	SDA300	SDS300
4"	1/4"	SDA400	SDS400



## Pull Ring Safety Clips for Boss-Lock™

Coupler Size	Carbon Steel Part #	316 Stainless Steel Part #
3/4" - 1" 11/4" - 21/2"		100PRSCSS 200PRSCSS
3" and 4"	300PRSCCS	300PRSCSS



## **Pull Rings**

304 Stainless Steel Part # R200SS



## Sash Chain with Pull Rings

## Feature:

· brass chain, plated steel pull ring

Length	Part #
4½"	J125
6½"	J150
8½"	J300
12¾"	J500



## C



# 400-A-INSERT



400-C-INSERTAL

## **Abrasion Resistant Inserts**

## Features:

- extends the life of adapters when transferring proppant to storage tanks
- · available for multiple adapter and multiple coupler materials

Description	<i>UHMW Polyethylene</i> Part #
to be used with 400-A-AL, 400-A-BR, 400-A-MI, 400-A-SS to be used with 400-C-AL to be used with 400-C-MI	400-A-INSERT 400-C-INSERTAL 400-C-INSERTMI

## Clip for Boss-Lock™ Couplings

## Feature:

· .072 stainless steel wire



AC7



## Clip Assembly

## Features:

- for use with Boss-Lock<sup>™</sup> couplings
- includes pull ring, chain and AC3 clip







Length	Material	Part #	Optional Qty
6"	brass	CH-B-6	10
12"	brass	CH-B-12	10
24"	brass	CH-B-24	
12"	carbon steel	CH-C-12	10
6"	stainless	CH-SS-6	10
12"	stainless	CH-SS-12	10
24"	stainless	CH-SS-24	10

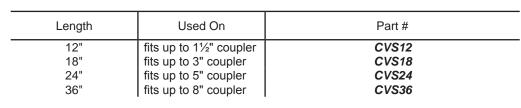
## Locking Cam Arm Velcro® Straps

## Application:

 use with cam & groove couplers to prevent spills, secure from damage, and hold in place during transport

## 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)









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## Lanyards with Clip for Boss-Lock™ Couplings

## Materials:

- · clip: carbon steel
- lanyard: nylon

Coupler Size	Part #
3/4" - 1"	ACL4
11/4" - 4"	ACL2
6"	ACL3



## **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"	CAL15
25"	CAL25



## Lanyard for Boss-Lock™ Couplings

## Feature:

• breaking strength: 160 lbs.

Overall Length	304 Stainless Part #
7"	LR7





Size	A380 Permanent Mold Aluminum Part #	ASTMC38000 Forged Brass Part #
1/2"	G50-A-AL <sup>1</sup>	G50-A-BR <sup>1</sup>
3/4"	G75-A-AL	G75-A-BR
1"	G100-A-AL	G100-A-BR
1¼"	G125-A-AL	G125-A-BR
1½"	G150-A-AL	G150-A-BR
2"	G200-A-AL	G200-A-BR
2½"	G250-A-AL	G250-A-BR
3"	G300-A-AL	G300-A-BR
4"	G400-A-AL	G400-A-BR
5"	G500-A-AL <sup>1</sup>	G500-A-BR <sup>1</sup>
6"	G600-A-AL	
8"	G800-A-AL <sup>1</sup>	

Size	316 Investment Cast Stainless Steel Part #
1/2"	G50-A-SS <sup>1</sup>
3/4"	G75-A-SS
1"	G100-A-SS
11/4"	G125-A-SS
1½"	G150-A-SS
2"	G200-A-SS
21/2"	G250-A-SS
3"	G300-A-SS
4"	G400-A-SS
6"	G600-A-SS

 $<sup>^{\</sup>rm 1}\,$  No standard exists for the ½", 5" and 8", and generally these sizes do not interchange with other manufacturers.

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part

	(N-900)	
0	-	

ASTMC38000 forged brass

# Global Type B Couplers coupler x male NPT

- interchanges with all products produced to A-A-59326D
- Buna seals standard

Size	A380 Permanent Mold A with Brass Handles Part #	ASTMC38000 Forged Brass Part #
1/2"	<b>G50-B-AL</b> 1, 2	<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>
11/4"	G125-B-AL	G125-B-BR
1½"	G150-B-AL	G150-B-BR
2"	G200-B-AL	G200-B-BR
21/2"	G250-B-AL	G250-B-BR
3"	G300-B-AL	G300-B-BR
4"	G400-B-AL	G400-B-BR
5"	G500-B-AL <sup>1</sup>	G500-B-BR <sup>1</sup>
6"	G600-B-AL	

Size	316 Investment Cast Stainless Steel Part #	A380 Permanent Mold Aluminum with Investment Stainless Handles Part #	
1/2"	G50-B-SS <sup>1</sup>		
3/4"	G75-B-SS		
1"	G100-B-SS		
11/4"	G125-B-SS		
11/2"	G150-B-SS	G150-B-ALSI	
2"	G200-B-SS	G200-B-ALSI	
21/2"	G250-B-SS		
3"	G300-B-SS	G300-B-ALSI	
4"	G400-B-SS	G400-B-ALSI	
6"	G600-B-SS		



A380 permanent mold aluminum

 $<sup>^{\</sup>rm 1}\,$  No standard exists for the ½", 5" and 8", and generally these sizes do not interchange with other manufacturers.

<sup>&</sup>lt;sup>2</sup> supplied with stainless steel handles

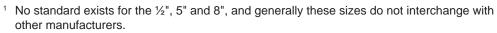


# Global Type C Couplers coupler x hose shank

- interchanges with all products produced to A-A-59326D
- Buna seals are standard

Size	A380 Permanent Mold Aluminum with Brass Handles Part #	ASTMC38000 Forged Brass Part #
1/2"	<b>G50-C-AL</b> <sup>1,2</sup>	G50-C-BR 1,2
3/4"	<b>G75-C-AL</b> <sup>2</sup>	<b>G75-C-BR</b> <sup>2</sup>
1"	G100-C-AL <sup>2</sup>	G100-C-BR <sup>2</sup>
11/4"	G125-C-AL	G125-C-BR
11/2"	G150-C-AL	G150-C-BR
2"	G200-C-AL	G200-C-BR
21/2"	G250-C-AL	G250-C-BR
3"	G300-C-AL	G300-C-BR
4"	G400-C-AL	G400-C-BR
5"	G500-C-AL <sup>1</sup>	G500-C-BR1
6"	G600-C-AL	
8"	G800-C-AL <sup>1</sup>	

Size	316 Investment Cast Stainless Steel Part #	A380 Permanent Mold Aluminum with Investment Stainless Handles Part #
1/2"	G50-C-SS <sup>1</sup>	
3/4"	G75-C-SS	
1"	G100-C-SS	
11/4"	G125-C-SS	
11/2"	G150-C-SS	G150-C-ALSI
2"	G200-C-SS	G200-C-ALSI
21/2"	G250-C-SS	
3"	G300-C-SS	G300-C-ALSI
4"	G400-C-SS	G400-C-ALSI
6"	G600-C-SS	



<sup>&</sup>lt;sup>2</sup> supplied with stainless steel handles



A380 permanent mold aluminum

# Global Type D Couplers coupler x female NPT

- interchanges with all products produced to A-A-59326D
- Buna seals are standard

Size	A380 Permanent Mold Aluminum with Brass Handles Part #	ASTMC38000 Forged Brass Part #
1/2"	<b>G50-D-AL</b> 1,2	G50-D-BR <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>	G100-D-BR <sup>2</sup>
11/4"	G125-D-AL	G125-D-BR
1½"	G150-D-AL	G150-D-BR
2"	G200-D-AL	G200-D-BR
2½"	G250-D-AL	G250-D-BR
3"	G300-D-AL	G300-D-BR
4"	G400-D-AL	G400-D-BR
5"	G500-D-AL 1	G500-D-BR <sup>1</sup>
6"	G600-D-AL	l

Size	316 Investment Cast Stainless Steel Part #	A380 Permanent Mold Aluminum with Investment Stainless Handles Part #
1/2"	G50-D-SS <sup>1</sup>	
3/4"	G75-D-SS	
1"	G100-D-SS	
11/4"	G125-D-SS	
1½"	G150-D-SS	G150-D-ALSI
2"	G200-D-SS	G200-D-ALSI
2½"	G250-D-SS	
3"	G300-D-SS	G300-D-ALSI
4"	G400-D-SS	G400-D-ALSI
6"	G600-D-SS	



316 investment cast stainless steel

 $<sup>^{1}</sup>$  No standard exists for the  $\frac{1}{2}$ " and 5", and generally these sizes do not interchange with other manufacturers.

<sup>&</sup>lt;sup>2</sup> stainless steel handles

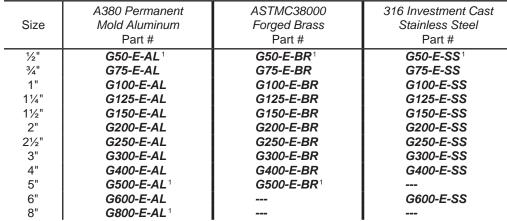
# C

## 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



No standard exists for the  $\frac{1}{2}$ ", 5" and 8", and generally these sizes do not interchange with other manufacturers.



A380 permanent mold aluminum

## Global Type F Adapters

## adapter x male NPT

- 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"	G50-F-AL1	G50-F-BR1	G50-F-SS <sup>1</sup>
3/4"	G75-F-AL	G75-F-BR	G75-F-SS
1"	G100-F-AL	G100-F-BR	G100-F-SS
11/4"	G125-F-AL	G125-F-BR	G125-F-SS
1½"	G150-F-AL	G150-F-BR	G150-F-SS
2"	G200-F-AL	G200-F-BR	G200-F-SS
21/2"	G250-F-AL	G250-F-BR	G250-F-SS
3"	G300-F-AL	G300-F-BR	G300-F-SS
4"	G400-F-AL	G400-F-BR	G400-F-SS
5"	G500-F-AL <sup>1</sup>	G500-F-BR1	
6"	G600-F-AL		G600-F-SS

<sup>&</sup>lt;sup>1</sup> No standard exists for the ½" 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 with Brass Handles Part #	ASTMC38000 Forged Brass Part #
1/2"	G50-DC-AL 1, 2	G50-DC-BR 1, 2
3/4"	<b>G75-DC-AL</b> <sup>2</sup>	<b>G75-DC-BR</b> <sup>2</sup>
1"	G100-DC-AL <sup>2</sup>	G100-DC-BR <sup>2</sup>
1¼"	G125-DC-AL	G125-DC-BR
1½"	G150-DC-AL	G150-DC-BR
2"	G200-DC-AL	G200-DC-BR
2½"	G250-DC-AL	G250-DC-BR
3"	G300-DC-AL	G300-DC-BR
4"	G400-DC-AL	G400-DC-BR
5"	G500-DC-AL 1	G500-DC-BR 1
6"	G600-DC-AL	

Size	316 Investment Cast Stainless Steel Part #	A380 Permanent Mold Aluminum with Investment Stainless Handles Part #
1/2"	G50-DC-SS <sup>1</sup>	
3/4"	G75-DC-SS	
1"	G100-DC-SS	
11/4"	G125-DC-SS	
1½"	G150-DC-SS	G150-DC-ALSI
2"	G200-DC-SS	G200-DC-ALSI
2½"	G250-DC-SS	
3"	G300-DC-SS	G300-DC-ALSI
4"	G400-DC-SS	G400-DC-ALSI
6"	G600-DC-SS	



A380 permanent mold aluminum

- No standard exists for the ½" and 5", and generally these sizes do not interchange with other manufacturers.
- <sup>2</sup> stainless steel handles

# Global Type DP Dust Plugs

- 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



	A380 Permanent	ASTMC38000	316 Investment
Size	Mold Aluminum	Forged Brass	Cast Stainless Steel
	Part #	Part #	Part #
1/2"	G50-DP-AL <sup>1</sup>	G50-DP-BR <sup>1</sup>	G50-DP-SS <sup>1</sup>
3/4"	G75-DP-AL	G75-DP-BR	G75-DP-SS
1"	G100-DP-AL	G100-DP-BR	G100-DP-SS
11/4"	G125-DP-AL	G125-DP-BR	G125-DP-SS
1½"	G150-DP-AL	G150-DP-BR	G150-DP-SS
2"	G200-DP-AL	G200-DP-BR	G200-DP-SS
21/2"	G250-DP-AL	G250-DP-BR	G250-DP-SS
3"	G300-DP-AL	G300-DP-BR	G300-DP-SS
4"	G400-DP-AL	G400-DP-BR	G400-DP-SS
5"	G500-DP-AL <sup>1</sup>	G500-DP-BR <sup>1</sup>	
6"	G600-DP-41		G600-DP-SS



A380 permanent mold aluminum

No standard exists for the ½" and 5", and generally these sizes do not interchange with other manufacturers.



# Cam & Groove







A380 permanent mold aluminum

# Global Type DA Jump Size Couplings

# coupler x adapter

## 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 Part #	316 Investment Cast Stainless Steel Part #
2" x 3"	G2030-DA-AL	
3" x 2"	G3020-DA-AL	G3020-DA-SS
3" x 4"	G3040-DA-AL	
4" x 3"	G4030-DA-AL	G4030-DA-SS
5" x 4"	G5040-DA-AL	
6" X 4"	G6040-DA-AL	

# Global Type AA Spool Adapters

# adapter x adapter

## 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 Part #	316 Investment Cast Stainless Steel Part #
1"	G100-AA-AL	***
1½"	G150-AA-AL	G150-AA-SS
1½" x 2"	G1520-AA-AL	
2"	G200-AA-AL	G200-AA-SS
2" x 3"	G2030-AA-AL	G2030-AA-SS
3"	G300-AA-AL	G300-AA-SS
3" x 4"	G3040-AA-AL	
4"	G400-AA-AL	G400-AA-SS





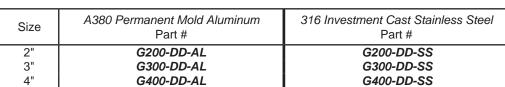
A380 permanent mold aluminum

# Global Type DD Couplers

# coupler x coupler



Buna seals standard





A380 permanent mold aluminum

# 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 Part #
3" x 2"	G3020-A-AL
4" x 3"	G4030-A-AL



# 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 Part #
3" x 2"	G3020-C-AL
4" x 3"	G4030-C-AL



# 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 Part #
3" x 2"	G3020-E-AL
4" x 3"	G4030-E-AL

see page110 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 Part #
4"	G400-ALT-AL



# Global Coupler x TTMA Flange

Size	356T6 Aluminum Part #
4"	G400-DLT-AL



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







# Global Adapter x ANSI Flange

Size	Aluminum Part #
4"	G400-AL-AL
6"	G600-AL-AL



# Global Coupler x ANSI Flange

Size	<i>Aluminum</i> Part #
4"	G400-DL-AL
6"	G600-DL-AL

# C

# Handles for Aluminum / Brass Global Couplers

# Feature:

· supplied complete with ring and pin



Fits on sizes	Investment Stainless Part #
1/2", 3/4"	G75HRP
1"	G100HRP
11/2" & 2"	G152HRPSI
3" - 5"	G34HRPSI
6"	G600HRPSI



Fits on	Forged Brass
sizes	Part #
11/4" - 21/2"	- · · · · · · · · · · · · · · · · · · ·
3" - 5"	G34HRP
6" and 8"	G600HRP

 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 sizes	Investment Stainless Part #
1/2", 3/4"	G75HRPSS
1"	G100HRPSS
1¼" - 2½"	G125250HRPSS
3" - 5"	G300400HRPSS
6"	G600HRPSS

 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 Part #	Bag Qty
GSAFETYCLIP	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"	G150-A-ALNST
2½"	2½"	G250-A-ALNST
3"	2½"	3025-A-ALNST



# Type B x Male NST (NH)

# Feature:

• Buna seals standard

Coupler Size	Male NST (NH) Thread	Aluminum Part #
1½"	1½"	G150-B-ALNST
2"	1½"	2015-B-ALNST
2½"	2½"	G250-B-ALNST
3"	2½"	3025-B-ALNST



# Type D x Female NST (NH)

# Feature:

· Buna seals standard

Coupler Size	Female NST (NH)	Aluminum
Coupler Size	Thread	Part #
1½"	1½"	G150-D-ALNST
2"	2½"	2025-D-ALNST
2½"	2½"	G250-D-ALNST
3"	2½"	3025-D-ALNST



# Type F x Male NST (NH)

Adapter Size	Male NST (NH) Thread	Aluminum Part #
1½"	1½"	G150-F-ALNST
2"	2½"	2025-F-ALNST
2½"	2½"	G250-F-ALNST
3"	2½"	3025-F-ALNST





# adapter x female NPT

## Features:

- maximum operating pressure: 125 PSI (½" 1"), 100 PSI (1¼" 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
- ½" couplers and adapters will interchange with ¾" couplers and adapters, only the threads and barbs are ½"
- 1½" couplers and adapters will interchange with 1½" couplers and adapters, only the threads and barbs are 1½"
- NOT recommended for use with PTFE gaskets. NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings.

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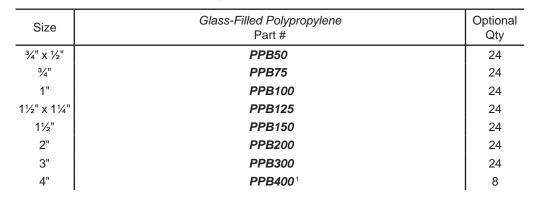
Size	Glass-Filled Polypropylene Part #	Optional Qty
3⁄4" X 1⁄2"	PPA50	24
3/4"	PPA75	24
1"	PPA100	24
1½" x 1¼"	PPA125	24
1½"	PPA150	24
2"	PPA200	24
3"	PPA300	24
4"	PPA400	8

# Type B Couplers

# coupler x male NPT

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: 125 PSI (½" 1"), 100 PSI (1¼" 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
- ½" couplers and adapters will interchange with ¾" couplers and adapters, only the threads and barbs are ½"
- 1¼" couplers and adapters will interchange with 1½" couplers and adapters, only the threads and barbs are 1¼"
- 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.





<sup>&</sup>lt;sup>1</sup> 4" coupler has 4 handles



## Features:

- · supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: 125 PSI (½" 1"), 100 PSI (1¼" 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
- ½" couplers and adapters will interchange with ¾" couplers and adapters, only the threads and barbs are ½"
- 1¼" couplers and adapters will interchange with 1½" couplers and adapters, only the threads and barbs are 1¼"
- 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 Part #	Optional Qty
3/4" X 1/2"	PPC50	24
3/4"	PPC75	24
1"	PPC100	24
1½" x 1¼"	PPC125	24
1½"	PPC150	24
2"	PPC200	24
3"	PPC300	24
4"	PPC400 <sup>1</sup>	8



<sup>1</sup> 4" coupler has 4 handles

# Type D Couplers

# coupler x female NPT

- · supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: 125 PSI (½" 1"), 100 PSI (1¼" 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
- ½" couplers and adapters will interchange with ¾" couplers and adapters, only the threads and barbs are ½"
- 1¼" couplers and adapters will interchange with 1½" couplers and adapters, only the threads and barbs are 1¼"
- 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 Part #	Optional Qty
3/4" X 1/2"	PPD50	24
3/4"	PPD75	24
1"	PPD100	24
1½" x 1¼"	PPD125	24
1½"	PPD150	24
2"	PPD200	24
3"	PPD300	24
4"	PPD400 <sup>1</sup>	8

<sup>&</sup>lt;sup>1</sup> 4" coupler has 4 handles





# adapter x hose shank

## Features:

- maximum operating pressure: 125 PSI (½" 1"), 100 PSI (1¼" 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
- ½" couplers and adapters will interchange with ¾" couplers and adapters, only the threads and barbs are ½"
- 1½" couplers and adapters will interchange with 1½" couplers and adapters, only the threads and barbs are 1½"
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings.



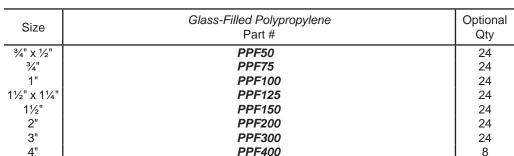
Size	Glass-Filled Polypropylene Part #	Optional Qty
3/4" X 1/2"	PPE50	24
3/4"	PPE75	24
1"	PPE100	24
1½" x 1¼"	PPE125	24
1½"	PPE150	24
2"	PPE200	24
3"	PPE300	24
4"	PPE400	8



# adapter x male NPT

- maximum operating pressure: 125 PSI (½" 1"), 100 PSI (1¼" 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  $\frac{1}{2}$ "
- 1½" couplers and adapters will interchange with 1½" couplers and adapters, only the threads and barbs are 1½"
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings.









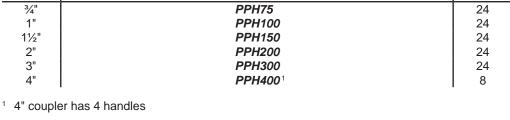
# **Dust Caps and Plugs**

# 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 Part #	Optional Qty
3/4"	PPH75	24
1"	PPH100	24
1½"	PPH150	24
2"	PPH200	24
3"	PPH300	24
4"	PPH400 <sup>1</sup>	8







**Type P Dust Plugs** 

Size	Glass-Filled Polypropylene Part #	Optional Qty
3/4"	PPP75	24
1"	PPP100	24
1½"	PPP150	24
2"	PPP200	24
3"	PPP300	24
4"	PPP400	8



4"



# Type A 90° Elbows

# adapter x female NPT

## Features:

maximum operating pressure: 100 PSI (11/2" - 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.

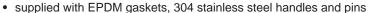


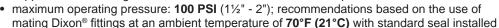
Size	Glass-Filled Polypropylene Part #	Optional Qty
1½"	90PPA150	24
2"	90PPA200	24

# Type C 90° Elbows

# coupler x hose shank

## Features:





for use at elevated temperatures or other unusual operating conditions, consult Dixon<sup>®</sup>

NOT recommended for use with PTFE gaskets. Polypropylene cam and groove should not be mixed with metal fittings.



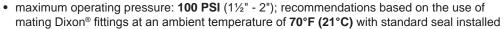
Size	Glass-Filled Polypropylene Part #	Optional Qty
1½"	90PPC150	24
2"	90PPC200	24

# Type D 90° Elbows

# coupler x female NPT

# Features:





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 Part #	Optional Qty
1½"	90PPD150	24
2"	90PPD200	24

# Type F 90° Elbows

# adapter x male NPT

- maximum operating pressure: 100 PSI (11/2" 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.

	Class Filled Balumranylana	Ontional
Size	Glass-Filled Polypropylene	Optional
	Part #	Qty
1½"	90PPF150	24
2"	90PPF200	24







King™ Combination Nipples	190 to 195	Garden Hose Fittings	234 to 245
NPT threaded		Standard shanks	234, 236
Beveled end	191	Short shanks	235 to 236
Grooved end	191	Menders	236
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Crimpers	220 to 222		
Crimp dies	221 to 222		
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# D

# King™ Combination Nipples

# **AWARNING**

## 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 #	<i>Brass</i> Part #	Aluminum Part #
1/2"	50	ST1	STC1	BST1	AST1
3/4"	50	ST5	STC5	BST5	AST5
1"	50	ST10	STC10	BST10	AST10
11/4"	50	ST15	STC15		
1½"	50	ST20	STC20		
2"	25	ST25	STC25		

• For additional information on pipe dimensions please reference dixonvalve.com.

# NPT Threaded End No Knurl



Size	Opt Qty	<i>Unplated Steel</i> Part #	Plated Steel Part #	<i>Bra</i> ss Part #	Aluminum Part #
11/4"	50			BST15	AST15
1½"	50			BST20	AST20
2"	25			BST25	AST25
21/2"	10	ST30	STC30	BST30	AST30
3"	10	ST35	STC35	BST35	AST35
4"	4	ST40	STC40	BST40	AST40
5"	4	ST50	STC50		AST50
6"	2	ST60	STC60		AST60
8"	2	ST80	STC80		
10"	1	ST100	STC100		
12"	1	ST120	STC120		



Size	Opt Qty	316 Stainless Steel Part #	Hastelloy® Part #
1/2"	50	RST1 <sup>1</sup>	
3/4"	50	RST5 ¹	
1"	50	RST10	
11/4"	50	RST15	
1½"	50	RST20	
2"	25	RST25	HST25
21/2"	10	RST30	
3"	10	RST35	HST35
4"	4	RST40	
5"	4	RST50	
6"	4	RST60	
8"	2	RST80	

<sup>&</sup>lt;sup>1</sup> made from investment casting

• For additional information on pipe dimensions please reference dixonvalve.com.

# King™ Combination Nipples

# **Beveled End**

 Beveled ends (in brass) are available in select sizes. Consult Dixon® for prices and availability.

Hose ID	<i>Unplated Steel</i> Part #	Opt Qty	316 Stainless Steel Part #	Opt Qty	<i>Aluminum</i> Part #
1/2"	STB1	50			
3/4"	STB5	50	RSTB5	50	
1"	STB10	50	RSTB10	50	ASTB10
1¼"	STB15	50	RSTB15	50	ASTB15
1½"	STB20	50	RSTB20	50	ASTB20
2"	STB25	25	RSTB25	25	ASTB25
2½"	STB30	10	RSTB30	10	ASTB30
3"	STB35	10	RSTB35	10	ASTB35
4"	STB40	4	RSTB40	4	ASTB40
5"	STB50	4			ASTB50
6"	STB60	2	RSTB60	4	ASTB60
8"	STB80	2	RSTB80	2	ASTB80
10"	STB100	1			ASTB100
12"	STB120	1			



• For additional information on pipe dimensions please reference 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	<i>Unplated Steel</i> Part #	Opt Qty	316 Stainless Steel Part #	Opt Qty
1"	STV10	50		
11/4"	STV15	50		
1½"	STV20	50	RSTV20	50
2"	STV25	25	RSTV25	25
21/2"	STV30	10		
3"	STV35	10	RSTV35	10
4"	STV40	4	RSTV40	5
5"	STV50	4		
6"	STV60	4	<b></b>	
8"	STV80	2		
10"	STV100	1		
12"	STV120	1 1	<b></b>	



• For additional information on pipe dimensions please reference dixonvalve.com.

# King™ Combination Nipples BSPT End

Size	Plated Steel Part #	Opt Qty	316 Stainless Steel Part #	Opt Qty
1"	STC10A	50	RST10A	50
11/4"	STC15A	50	RST15A	50
1½"	STC20A	50	RST20A	50
2"	STC25A	50	RST25A	25
21/2"	STC30A	10	RST30A	10
3"	STC35A	10	RST35A	10
4"	STC40A	4	RST40A	4
6"	STC60A	2	RST60A	2





# Jump Size King™ Combination Nipples

# **NPT Threaded End**









Hose Shank	Male NPT	<i>Plated Steel</i> Part #	316 Stainless Steel Part #
3/4"	½"		RST0501
	1"	STC0510	RST0510
1"	<sup>3</sup> / <sub>4</sub> "	STC1005	RST1005
	1 <sup>1</sup> / <sub>4</sub> "	STC1015	RST1015
1¼"	1"	STC1510	RST1510
	1½"	STC1520	RST1520
1½"	1¼"	STC2015	RST2015
	2"	STC2025	RST2025
13/4"	2"	STC175200	
2"	1½"	STC2520	RST2520
	2½"	STC2530	
	3"	STC2535	RST2535
2½"	2" 3"	STC3025 STC3035	
3"	2"	STC3525	RST3525
	2½"	STC3530	
	4"	STC3540	
4"	3"	STC4035	

For additional information on pipe dimensions please reference dixonvalve.com.

# King™ Combination Nipples for Plastic Pipe NPT Threaded End



Size	Plated Steel Part #	Optional Qty
1/2"	SAP1	50
3/4"	SAP6	50
1"	SAP11	50
1¼"	SAP16	50
1½"	SAP21	50
2"	SAP26	25

• For additional information on pipe dimensions please reference dixonvalve.com.

# Global King™ Combination Nipples NPT Threaded End

- Combination nipples are recommended for low-pressure discharge and suction service for compatible liquids. Sizes 11/4" 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 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.



Size	Plated Steel Part #	Opt Qty
1/2" 3/"	GSTC1	100
<sup>3</sup> ⁄ <sub>4</sub> " 1"	GSTC5 GSTC10	100 50
1¼"	GSTC15	50
1½"	GSTC20	50
2"	GSTC25	25
2½"	GSTC30	10
3"	GSTC35	10
4"	GSTC40	4
5"	GSTC50	4
6"	GSTC60	4

# D

# Flanged King™ Combination Nipples

# 150# ASA

Size	Steel Part #	316 Stainless Steel Part #
1½"	FST20	RFST20
2"	FST25	RFST25
3"	FST35	RFST35
4"	FST40	RFST40
6"	FST60	RFST60
8"	FST80	RFST80
10"	FST100	RFST100
12"	FST120	RFST120



Industrial Hose Fittings

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

# 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 Part #	316 Stainless Steel Part #
1"	N10	RN10
1¼"	N15	RN15
1½"	N20	RN20
2"	N25	RN25
2½"	N30	RN30
3"	N35	RN35
4"	N40	RN40
6"	N60	RN60
8"	N80	RN80
10"	N100	RN100
12"	N120	RN120



• For additional information on pipe dimensions please reference dixonvalve.com.





## 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 Part #	316 Stainless Steel Part #
1½"	N150NO	RN150NO
2"	N200NO	RN200NO
2½"	N250NO	RN250NO
3"	N300NO	RN300NO
4"	N400NO	RN400NO

• For additional information on pipe dimensions please reference 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.





	Hose OD		304 Stainless Steel
Size	From	То	Part #
1½"	1-60/64"	2-12/64"	GAS2334NO
1 /2	2-4/64"	2-22/64"	GAS2370NO
2"	2-30/64"	2-44/64"	GAS2709NO
۷	2-42/64"	2-54/64"	GAS2885NO
2½"	2-54/64"	3"	GAS3012NO
Z/2	3-1/64"	3-13/64"	GAS3260NO
3"	3-30/64"	3-46/64"	GAS3760NO
	3-47/64"	3-54/64"	GAS3885NO
4"	4-40/64"	4-47/64"	GAS5010NO

# 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 #	<i>316 Stainless Steel</i> 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.



# D

# **External Swage Notched NOS Stems**

# **AWARNING**

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.

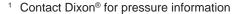
## Features:

- 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" 2" 3" 4"	250 250 250	RST150NOS RST200NOS RST300NOS RST400NOS





# Notched NOS Ferrules

· reference notched shanks above and adapters on page 144

		1 1	
0:	Hose	e OD	304 Stainless Steel
Size	From	То	Part #
41/"	1-60/64"	2-12/64"	GAS2334NOS
1½"	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	3-47/64"	3-54/64"	GAS3885NOS
4"	4-40/64"	4-47/64"	GAS5010NOS







Features:

# **Short Crimp Sleeves**

- for use with King™ Combination Nipples only a reliable alternative to band clamps



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•	not for us	e with [	Dixon®	Kina	Crimp™	Style	Shanks

• not i	Hose OD Sleeve Sleeve Slee					Γ
Hose	Hose	e OD	Sleeve	Sleeve Wall	Sleeve Overall	Carbon Steel
ID	From	То	ID	Thickness	Length	Part #
	1-5/64"	1-8/64"	1.1875"	.059"	1.25"	CSS075-3CS
	1-5/64"	1-8/64"	1.1875"	.059"	2.138"	CS075-3CS
3/"	1-9/64"	1-12/64"	1.250"	.059"	1.25"	CSS075-4CS
3/4"	1-9/64"	1-12/64"	1.250"	.059"	2.138"	CS075-4CS
	1-17/64"	1-20/64"	1.375"	.059"	1.25"	CSS075-6CS
	1-17/64"	1-20/64"	1.375"	.059"	2.138"	CS075-6CS
	1-21/64"	1-24/64"	1.438"	.062"	1½"	CSS100-3CS
	1-25/64"	1-28/64"	1.500"	.062"	1½"	CSS100-4CS
1"	1-29/64"	1-32/64"	1.563"	.062"	1½"	CSS100-5CS
'	1-33/64"	1-36/64"	1.625"	.062"	1½"	CSS100-6CS
	1-37/64"	1-40/64"	1.688"	.062"	1½"	CSS100-7CS
	1-41-64"	1-44/64"	1.750"	.062"	1½"	CSS100-8CS
	1-41/64"	1-44/64"	1.750"	.062"	1¾"	CSS150-1CS
	1-45/64"	1-48/64"	1.813"	.062"	1¾"	CSS150-2CS
	1-49/64"	1-52/64"	1.875"	.062"	1¾"	CSS150-3CS
	1-53/64"	1-56/64"	1.938"	.062"	1¾"	CSS150-4CS
1½"	1-57/64"	1-60/64"	2.000"	.062"	1¾"	CSS150-5CS
	1-61/64"	2"	2.063"	.062"	1¾"	CSS150-6CS
	2-1/64"	2-4/64"	2.125"	.062"	1¾"	CSS150-7CS
	2-5/64"	2-8/64"	2.188"	.062"	1¾"	CSS150-8CS
	2-9/64"	2-12/64"	2.250"	.062"	1¾"	CSS150-9CS
	2-21/64"	2-24/64"	2.438"	.062"	2"	CSS200-3CS
	2-25/64"	2-28/64"	2.500"	.062"	2"	CSS200-4CS
	2-29/64"	2-32/64"	2.563"	.062"	2"	CSS200-5CS
	2-33/64"	2-36/64"	2.625"	.062"	2"	CSS200-6CS
2"	2-37/64"	2-40/64"	2.688"	.062"	2"	CSS200-7CS
_	2-41/64"	2-44/64"	2.750"	.062"	2"	CSS200-8CS
	2-45/64"	2-48/64"	2.813"	.062"	2"	CSS200-9CS
	2-49/64"	2-52/64"	2.875"	.062"	2"	CSS200-10CS
	2-53/64"	2-56/64"	2.938"	.062"	2"	CSS200-11CS
	2-57/64"	2-60/64"	3.000"	.062"	2"	CSS200-12CS
	3-13/64"	3-16/64"	3.313"	.090"	25/8"	CSS300-1CS
	3-17/64"	3-20/64"	3.375"	.090"	25/8"	CSS300-2CS
	3-21/64"	3-24/64"	3.438"	.090"	25/8"	CSS300-3CS
	3-25/64"	3-28/64"	3.500"	.090"	25/8"	CSS300-4CS
	3-29/64"	3-32/64"	3.563"	.090"	25/8"	CSS300-5CS
3"	3-33/64"	3-36/64"	3.625"	.090"	25/8"	CSS300-6CS
	3-37/64"	3-40/64"	3.688"	.090"	25/8"	CSS300-7CS
	3-41/64"	3-44/64"	3.750"	.090"	25/8"	CSS300-8CS
	3-45/64"	3-48/64"	3.813"	.090"	25/8"	CSS300-9CS
	3-49/64"	3-52/64"	3.875"	.090"	25/8"	CSS300-10CS
	3-53/64" 3-57/64"	3-56/64"	3.938"	.090"	25/8"	CSS300-11CS CSS300-12CS
		3-60/64"	4.000"	.090"	25/8	
	4-29/64"	4-32/64"	4.563"	.090"	3-15/32"	CSS400-5CS CSS400-6CS
	4-33/64"	4-36/64"	4.625"	.090"	3-15/32"	
	4-37/64"	4-40/64"	4.688"	.090"	3-15/32"	CSS400-7CS
4"	4-41/64" 4 45/64"	4-44/64"	4.750"	.090"	3-15/32"	CSS400-8CS
	4-45/64"	4-48/64"	4.813"	.090"	3-15/32"	CSS400-9CS
	4-49/64" 4-53/64"	4-52/64"	4.875"	.090"	3-15/32"	CSS400-10CS
	4-53/64"	4-56/64"	4.938"	.090"	3-15/32"	CSS400-11CS
ı	4-57/64"	4-60/64"	5.000"	.090"	3-15/32"	CSS400-12CS

# King™ Steel Round Nipples

# for one clamp

Hose Size	NPT Size	<i>Unplated Steel</i> Part #	Optional Qty
5/8"	1/2"	KRN541	100
3/4"	1/2"	KRN641	50
1"	3/4"	KRN861	25



# King™ Steel Round Nipples

# for two clamps

Hose Size	NPT Size	<i>Unplated Steel</i> Part #	Optional Qty
1/2"	1/4"	KRN422	100
/2	3/8"	KRN432	100
5/8"	1/2"	KRN542	100
3/4"	1/2"	KRN642	50
74	3/4"	KRN662	50
1"	3/4"	KRN862	50
	1"	KRN882	50
1¼"	1"	KRN1082	25
1½"	1¼"	KRN1210	25
2"	1½"	KRN1612	20





# King™ Steel Hex Nipples

# for one clamp

Hose Size	NPT Size	Plated Steel Part #	Optional Qty
1/4"	1/4"	KHN221	50
	1/4"	KHN321	100
3/8"	3/8"	KHN331	100
	1/2"	KHN341	100
	1/4"	KHN421	50
1/2"	3/8"	KHN431	50
/2	1/2"	KHN441	50
	3/4"	KHN461	50
3/"	1/2"	KHN641	50
3/4"	3/4"	KHN661	50
1"	3/4"	KHN861	25
1	1"	KHN881	25



# King<sup>™</sup> Steel Hex Nipples

# for two clamps

Hose Size	NPT Size	Plated Steel Part #	Optional Qty
1/4"	1/4"	KHN222	100
	1/4"	KHN322	100
3/8"	3/8"	KHN332	50
	1/2"	KHN342	100
	1/4"	KHN422	100
17.11	3/8"	KHN432	100
1/2"	1/2"	KHN442	50
	3/4"	KHN462	50
3/11	1/2"	KHN642	50
3/4"	3/4"	KHN662	50
1"	3/4"	KHN862	25
1"	1"	KHN882	25



25

**KHN882** 

# $\textbf{King}^{\text{TM}} \ \textbf{Short Shank Suction Hose Couplings} \\ \textbf{NPSM Thread}$

# Application:

for suction or discharge of water













male



Size	Aluminum shank with Brass nut Complete Part #	Opt Qty	Aluminum shank with Brass nut Female Part #	Aluminum Male Part #
1½"	CAB150	60	FAB150	MA150
2"	CAB200	40	FAB200	MA200
21/2"	CAB250	30	FAB250	MA250
3"	CAB300	18	FAB300	MA300
4"	CAB400	8	FAB400	MA400
6"	CAB600	6	FAB600	MA600

Size	Brass shank with Brass nut Complete Part #	Brass shank with Brass nut Female Part #	<i>Bra</i> ss Male Part #
11/4"	CBB125	FBB125	MB125
1½"	CBB150	FBB150	MB150
2"	CBB200	FBB200	MB200
21/2"	CBB250	FBB250	MB250
3"	CBB300	FBB300	MB300
4"	CBB400	FBB400	MB400

Size	Plated Iron shank with Plated Iron nut Complete Part #	Plated Iron shank with Plated Iron nut Female Part #	<i>Plated Iron</i> Male Part #
1"	S33 <sup>1</sup>	<b>S12</b> <sup>1</sup>	S10
11/4"	S48	S17	S15
1½"	S63	S22	S20
2"	S78	S27	S25
21/2"	S93	S32	S30
3"	S111	S38	S36
4"	S123	S42	S40
5"		S57	S55
6"	S183	S62	S60

Size	Plated Iron shank with Brass nut	Plated Iron shank with Brass nut	<i>Plated Iron</i> Male Part #
	Complete Part #	Female Part #	
1"	SB33 <sup>1</sup>	SB12 <sup>1</sup>	S10
11/4"	SB48	SB17	S15
1½"	SB63	SB22	S20
2"	SB78	SB27	S25
2½"	SB93	SB32	S30
3"	SB111	SB38	S36
4"	SB123	SB42	S40
5"		SB57	S55
6"	SB183	SB62	S60

DPL418

- complete couplings supplied with rubber gaskets
- Replacement gaskets (KRW standard) are available, see page 205.

<sup>&</sup>lt;sup>1</sup> 1" fittings have a hex nut design



# King™ Short Shank Suction Hose Couplings

# **NST Couplings**

# Application:

· for suction or discharge of water

Size	Aluminum shank with Brass nut Complete Part #	Aluminum shank with Brass nut Female Part #	Aluminum Male Part #
1½"	CAB150N	FAB150N	MA150N
2½"	CAB250N	FAB250N	MA250N
Size	Brass shank with Brass nut	Brass shank with Brass nut	<i>Brass</i>
	Complete Part #	Female Part #	Male Part #
1½"	BS63N	BS22N	BS201
2½"	BS93N	BS32N	BS301
Size	Plated Iron shank with Plated Iron nut Complete Part #	Plated Iron shank with Plated Iron nut Female Part #	Plated Iron Male Part #
1½"	S63N	S22N	S201
2½"	S93N	S32N	S301
Size	Plated Iron shank with Brass nut Complete Part #	Plated Iron shank with Brass nut Female Part #	Plated Iron Male Part #
1½"	SB63N	SB22N	S201
2½"	SB93N	SB32N	S301







female



male



- NST (Common Fire Hose Thread) is also known as NH
- Replacement gaskets (KRW standard) are available, see page 205.

# Steel King™ Short Shank Suction Couplings **NPSM Couplings**

# Application:

• for suction or discharge of water

Plated Steel shank

Size	Plated Steel shank with Plated Iron nut Complete Part #	Plated Steel shank with Plated Iron nut Female Part #	Plated Steel Male Part #	
1½"	CSM125	FCSM125	MCS125	
1½"	CSM150	FCSM150	MCS150	
2"	CSM200	FCSM200	MCS200	
2½"	CSM250	FCSM250	MCS250	
3"	CSM300	FCSM300	MCS300	
4"	CSM400	FCSM400	MCS400	
6"	CSM600	FCSM600	MCS600	
Size	Plated Steel shank with Brass nut Complete Part #	Plated Steel shank with Brass nut Female Part #	Plated Steel Male Part #	
1½"	CSB125	FCSB125	MCS125	
1½"	CSB150	FCSB150	MCS150	
2"	CSB200	FCSB200	MCS200	
2½"	CSB250	FCSB250	MCS250	
3"	CSB300	FCSB300	MCS300	
4"	CSB400	FCSB400	MCS400	
6"	CSB600	FCSB600	MCS600	

Plated Steel shank



• 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



Size	Shank Length	Plated Steel Shank with Brass Pin Lug Nut ¹ Part #	Plated Steel Shank with Iron Pin Lug Nut <sup>1</sup> Part #
11/4"	41/8"	SD15	SDMP15
1½"	41/8"	SD20	SDMP20
2"	5"	SD25	SDMP25
21/2"	5"	SD30	SDMP30
3"	5"	SD35	SDMP35
4"	5"	SD40	SDMP40



Size Shank Length		316 Stainless Shank with Iron Pin Lug Nut¹ Part #	316 Stainless Shank with Stainless Hex Nut <sup>2</sup> Part #	
1½"	41/8"		RSHR20	
2"	5"	RSDM25	RSDR25	
3"	5"	RSDM35		

- <sup>1</sup> KLW leather gaskets standard
- <sup>2</sup> PTFE gaskets standard

# **Male NPT Couplings**



Size	Shank Length	Plated Steel Part #	316 Stainless Part #
11/4"	4-3/8"	SK16	
1½"	4-5/32"	SK21	
2"	5-5/16"	SK26	RSK26
21/2"	5-5/16"	SK31	
3"	5-1/2"	SK36	RSK36
4"	5-1/2"	SK46	

all Super King™ long shank couplings accept 3 band clamps

# Pin Lug Spanner Wrenches

# Single End



Plated Iron Part #
SW20
SW25
SW30
SW40
SW60

# **Double End**



Size	Plated Iron Part #
1½", 2" x 2½", 3"	SW153

• additional spanner wrenches are available on pages 799 - 802

# $\mathsf{D}$

# **Short Shank Hose Couplings**

# **Complete NPSM Couplings**

Size	316 Stainless Steel
	Part #
1½" 3¼" 1" 1¼" 1½" 2"	RES404 RES606 RES808 RES48 RES63 RES78



• Standard gasket is rubber (KRW); for FKM gaskets (KVW) see page 205.

# **Female NPSM Couplings**

Size	316 Stainless Steel	
Oize	Part #	
1/2"	RES444	
3/4"	RES646	
1"	RES848	
11/4"	RES33	
1½"	RES43	
2"	RES53	
	•	



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 #	<i>Brass</i> Part #
1/2"	3/4"		BS406
3/4"	3/4"		BS606
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**

NPSM Thread	Previous Part #	<i>Brass</i> Part #
3/4"		BS446
3/4"		BS546
3/4"		BS646
1"	BS8481	5911616C 1, 2
	3/4" 3/4" 3/4"	3/4" 3/4" 3/4"



- <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 #	<i>Brass</i> Part #
1/2"	3/4"		BS416
3/4"	3/4"		BS616
1"	1"	BS818 <sup>1</sup>	5901616C <sup>1</sup>



- <sup>1</sup> NPSH threads
- use with KRW washers on page 205



# Industrial Hose Fittings

# Long Shank Hose Couplings

# **Complete NPSM Couplings**



Hose ID	NPSM Thread	Plated Steel Part #	Plated Iron Part #	Previous Part #	<i>Brass</i> Part #
1/2"	1/2"	SLS404			BLS404
1/2"	3/4"				BLS406
5/8"	3/4"				BLS506
3/4"	3/4"	SLS606			BLS606
1"	1"	SLS808		BLS808	<b>5951616K</b> 1, 2
11/4"	11/4"		MLS48		BLS48
1½"	1½"		MLS63		BLS63
2"	2"		MLS78		BLS78

Plated Iron

Part #

MLS33

MLS43

MLS53

Previous

Part #

**BLS848** 

Brass

Part #

BLS444

**BLS446** 

**BLS546** 

**BLS646** 

BLS33

BLS43

BLS53

5941616C 1, 2

NPSH thread

Hose

ID

1/2"

1/2"

5/8"

3/4"

1"

11/4"

1½"

2"

washer is **5911616W** 

**NPSM** 

Thread

1/2"

3/4"

3/4"

3/4"

1"

11/4"

11/2"

2"

- sizes 1/2" to 1" are machined; 11/4" to 2" are cast
- replacement gaskets (KRW standard) available on page 205

# **Female NPSM Couplings**

Plated Steel

Part #

**SLS444** 

**SLS646** 

**SLS848** 





	_	. –
1	NIPSH	I thread

- washer is **5911616W**
- ½" to 1" are machined: 1¼" 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 #	<i>Brass</i> Part #
1/2"	1/2"	SLS414			BLS414
1/2"	3/4"				BLS416
5/8"	3/4"				BLS516
3/4"	3/4"	SLS616			BLS616
1"	1"	SLS818		BLS818	5931616C <sup>1</sup>
11/4"	11/4"		MLS15		BLS15
1½"	1½"		MLS20		BLS20
2"	2"		MLS25		BLS25

- <sup>1</sup> NPSH thread
- 1/2" to 1" are machined; 11/4" to 2" are cast





# $\bigcap$

# Long Shank Hose Couplings

# **Complete NST Couplings**

Hose ID	NST Thread	<i>Brass</i> Part #
1½"	1½"	BLS63NST
2½"	2½"	BLS93NST



- replacement gaskets (KRW standard) available on page 205
- for GHT long shank complete couplings see page 237

# **Female NST Couplings**

Hose	NST	<i>Brass</i>
ID	Thread	Part #
1½"	1½"	BLS150NST
2½"	2½"	BLS250NST



- replacement gaskets (KRW standard) available on page 205
- for GHT long shank female coupling see page 237



Hose	NST	<i>Brass</i>
ID	Thread	Part #
1½"	1½"	BLS20NST
2½"	2½"	BLS30NST



• for GHT long shank male coupling see page 237





# Spray Hose Couplings

# **Complete NPSM Couplings**



Hose ID	NPSM Thread	Plated Steel Part #
3/8"	3/4"	SS306
1/2"	1/2"	SS404
1/2"	3/4"	SS406
3/4"	3/4"	SS606
1"	1"	SS808
	1/2" 1/2" 1/2" 3/4"	3/8" 3/4" 1/2" 1/2" 1/2" 3/4" 3/4" 3/4"

- 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 Part #
3/8"	3/4"	SS346
1/2"	1/2"	SS444
1/2"	3/4"	SS446
3/4"	3/4"	SS646
1"	1"	SS848

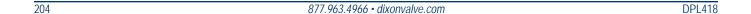
- for GHT spray hose female coupling see page 238
- replacement KLW (leather gaskets) standard, can be found on page 205

# **Male NPSM Couplings**



Hose ID	NPSM Thread	<i>Plated Steel</i> Part #
3/8"	3/4"	SS316
1/2"	1/2"	SS414
1/2"	3/4"	SS416
3/4"	3/4"	SS616
1"	1"	SS818

• for GHT spray hose male coupling see page 238



# Fittings

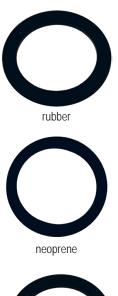
# Gaskets for Suction, Short, Long and Spray Hose Couplings

# • for use on NPSM threaded couplings

Hose ID	Rubber (Styrene Butadiene) Part #	<i>Neoprene</i> Part #	<i>FKM</i> Part #
1/2"	KRW1		
3/4"	KRW5	KNW5	
1"	KRW10	KNW10	KVW10
11/4"	KRW15	KNW15	
1½"	KRW20	KNW20	KVW20
2"	KRW25	KNW25	KVW25
21/2"	KRW30	KNW30	
3"	KRW35	KNW35	KVW35
4"	KRW40	KNW40	
5"	KRW50		<b></b>
6"	KRW60	KNW60	
8"	KRW80	KNW80	

Hose ID	<i>Leather</i> Part #	Rubber Part #
1/2"	KLW1	
3/4"	KLW5	***
1"	KLW10	
11/4"	KLW15	
1½"	KLW20	KRW2075 <sup>1</sup>
2"	KLW25	
2½"	KLW30	KRW3075 <sup>1</sup>
3"	KLW35	
4"	KLW40	

<sup>&</sup>lt;sup>1</sup> NST only threaded couplings









**Strainers** 

**Round Hole Strainers** 



# Application:

• used on the submersed end of suction hose to prevent debris from entering the pump during operation







**************************************
304 stainless steel

NPSM Size	<i>Zinc Plated Steel</i> Part #	304 Stainless Steel Part #
3/4"	RHS5	
1"	RHS10	
1½"	RHS20	RRHS20
2"	RHS25	RRHS25
2½"	RHS30	
3"	RHS35	RRHS35
4"	RHS40	RRHS40
6"	RHS60	RRHS60
8"	RHS80	
10"	RHS100	
12"	RHS120	

**Square Hole Strainers** 



NPSM Size	Zinc Plated Steel
INFOIVI SIZE	Part #
2"	SHS25
3"	SHS35
4"	SHS40
6"	SHS60
8"	SHS80
10"	SHS100
12"	SHS120

# **Polypropylene Strainers**



NPT Size	Black Polypropylene with 30% fiberglass Part #
1½"	TSS20
2"	TSS25
3"	TSS35
4"	TSS40



# Strainers

# **Round Hole Long Strainers**

NPSM Size	Zinc Plated Steel Part #
1½" 2"	RSS20 RSS25
3"	RSS35
4"	RSS40





# Skimmers

# **Round Hole Bottom Skimmers**

NPSM Size	Zinc Plated Steel Part #
1½"	DSB20
2"	DSB25
3"	DSB35





# **Round Hole Top Skimmers**

NPSM Size	Zinc Plated Steel Part #
1½"	DST20
2"	DST25
3"	DST35





# 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





NDT Ciro	Painted Cast Iron	
NPT Size	Part #	
1½"	DFVS20	
2"	DFVS25	
2½"	DFVS30	
3"	DFVS35	
4"	DFVS40	
6"	DFVS60	
8"	DFVS80	

# **Strainers**





C:	Painted Cast Iron
Size	Part #
1½"	FVS20
2"	FVS25
2½"	FVS30
3"	FVS35
4"	FVS40
6"	FVS60
8"	FVS80

# **Flapper Assemblies**



Painted Cast Iron / Rubber Part #
FVFA20
FVFA25
FVFA30
FVFA35
FVFA40
FVFA60
FVFA80

# **Flapper Gaskets**



Size	Rubber Part #
1½"	FVL20
2"	FVL25
2½"	FVL30
3"	FVL35
4"	FVL40
6"	FVL60
8"	FVL80

# Seat Plates



	Seat Flates	
	Size	Painted Cast Iron
		Part #
	1½"	FVSP20
	2"	FVSP25
	2½"	FVSP30
	3"	FVSP35
	4"	FVSP40
	6"	FVSP60
	8"	FVSP80



# 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.
  - ed length

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 Part #	Optional Qty	316 Stainless Steel Part #	Optional Qty
1/4"	DMA	200	RDMA	100
3/8"	DMB	100	RDMB	100
1/2"	DM1	50	RDM1	50
5/8"	DM5	50		
3/4"	DM6	50	RDM6	50
1"	DM11	50	RDM11	50
11/4"	DM16	50	RDM16	5
1%"	DM18	50		
1½"	DM21	50	RDM21	50
1½"	DMXL21 1	25		
2"	DM26	50	RDM26	10
2"	DMXL26 1	25		
21/2"	DM31	25		
3"	DM36	20	RDM36	5
4"	DM46	10	RDM46	5
5"	DM51	5		
6"	DM66	4		
8"	DM86	1		
10"	DM100	1		
12"	DM120	1		
8" 10"	DM86 DM100	1	 	-



zinc plated steel



316 stainless steel



<sup>&</sup>lt;sup>1</sup> XL series has extra long shank

# D

# 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 Part #
1/4"	KM21
5/16"	KM251
1/2"	KM41
5/8"	KM51
3/4"	KM61
1"	KM81
1-1/4"	KM101
1-1/2"	KM121



# for two clamps

Size	Steel
Size	Part #
1/2" 5/8"	KM42 KM52
3/4"	KM62
1"	KM82
1¼"	KM102
1½"	KM122
2"	KM162

# **Barbed Hose Menders**

Hose ID	Lead Free Brass <sup>1</sup>	Br	ass
позеть	Part #	Previous Part #	Part #
1/8"		BM1	1780202C
3/16"		BM15	1780303C
1/4" x 1/8"		BM2-1	1780402C
1/4"	1780404CLF	BM2	1780404C
5/16"		BM25	1780505C
3/8" x 1/4"		BM3-2	1780604C
3/8"	1780606CLF	BM3	1780606C
1/2" x 3/8"		BM4-3	1780806C
1/2"	1780808CLF	BM4	1780808C
5/8" x 3/8"		BM5-3	1781006C
5/8" x 1/2"		BM5-4	1781008C
5/8"		BM5	1781010C
3/4" x 1/2"		BM6-4	1781208C
3/4"		BM6	1781212C
1"		BM8	1781616C



# **Short Shank Menders**



Size	Length	Previous Part #	316 Stainless Steel Part #
1/4"	2-1/32"	1780404SS	RM2
3/8"	2-1/16"	1780606SS	RM3
1/2"	2-1/16"	1780808SS	RM4
3/4"	2-1/2"	1781212SS	RM6

<sup>&</sup>lt;sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

# D

# Male NPTF x Hose Barb

# · Optional package quantity

Hose	Male		Brass	Lead Free Brass <sup>1, 3</sup>	316 Stainless Steel 1	Pkg
ID	NPTF	Previous Part #	Part #	Part #	Part #	Qty
1/8"	1/8"	BN11	1020202C		RN11	100
/8	1/4"	BN122	1020204C			100
3/16"	1/8"	BN151	1020302C	1020302CLF	RN151	100
3/10	1/4"	BN152	1020304C		RN152	100
	1/8"	BN21	1020402C	1020402CLF	RN21	100
1/4"	1/4"	BN22	1020404C	1020404CLF	RN22	100
/4	3/8"	BN23	1020406C		RN23	100
	1/2"	BN24	1020408C			50
	1/8"	BN251	1020502C	1020502CLF	RN251	100
5/16"	1/4"	BN252	1020504C	1020504CLF	RN252	50
	3/8"	BN253	1020506C		RN253	50
	1/8"	BN31	1020602C	1020602CLF	RN31	100
	1/4"	BN32	1020604C	1020604CLF	RN32	100
3/8"	3/8"	BN33	1020606C	1020606CLF	RN33	50
	1/2"	BN34	1020608C	1020608CLF	RN34	25
	3/4"	BN36	1020612C			25
	1/4"	BN42	1020804C	1020804CLF	RN42	50
1/3"	3/8"	BN43	1020806C	1020806CLF	RN43	50
1/2	1/2"	BN44	1020808C	1020808CLF	RN44	25
	3/4"	BN46	1020812C		RN46	25
	3/8"	BN53	1021006C		RN53	50
5/8"	1/2"	BN54	1021008C	1021008CLF	RN54	25
	3/4"	BN56	1021012C		RN56	25
3711	1/2"	BN64	1021208C	1021208CLF	RN64	25
3/4"	3/4"	BN66	1021212C	1021212CLF	RN66	20
1"	3/4"	BN86	1021612C		RN86	20
T"	1"	BN88	1021616C <sup>2</sup>		RKHN881 <sup>4</sup>	10
41/!	3/4"	BN106	1022012C			10
1¼"	1"	BN108	<b>1022016C</b> <sup>2</sup>			5









<sup>&</sup>lt;sup>2</sup> capped

# Male NPTF Swivel x Hose Barb

# · Optional package quantity

		Br	Pkg	
Hose ID	Male NPTF	Previous Part #	Part #	Qty
1/ !!	1/8"	103-0402	1030402C	100
1/4"	1/4"	103-0404	1030404C	100
3/8"	1/4"	103-0604	1030604C	100
78	3/8"	103-0606	1030606C	50
1/2"	3/8"	103-0806	1030806C	50
/2	1/2"	103-0808	1030808C	25
3/4"	3/4"	103-1212	1031212C	20
1"	1-111/4"	103-1616	1031616C1	10



<sup>&</sup>lt;sup>3</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>&</sup>lt;sup>4</sup> same shank style as KHN881 shown on page 197

<sup>1</sup> capped threads

<sup>•</sup> swivel is for assembly convenience only, not for live swivel applications 120 PSI maximum

# Industrial Hose Fittings



# Male NPTF x Beaded Hose Barb

Hose ID	Male NPTF	<i>Brass</i> Part #	Pkg Qty
1/4"	1/8"	268B0402	100
1/4	1/4"	268B0404	100
F/4.0!!	1/8"	268B0502	100
5/16"	1/4"	268B0504	50
	1/8"	268B0602	100
3/8"	1/4"	268B0604	100
	3/8"	268B0606	50
1/2"	3/8"	268B0806	50
1/2	1/2"	268B0808	50
5/8"	1/2"	268B1008	25
3/4"	1/2"	268B1208	50
3/4	3/4"	268B1212	25

# Male BSPT x Hose Barb



Hees ID	Male BSPT	Brass		
Hose ID	IVIAIE BSP1	Previous Part #	Part #	Qty
1/4"	1/8"	BN21BSPT	1020402BSPT	100
74	1/4"	BN22BSPT	1020404BSPT	100
	1/4"	BN32BSPT	1020604BSPT	100
3/8"	3/8"	BN33BSPT	1020606BSPT	50
	1/2"	BN34BSPT	1020608BSPT	25
1/3"	3/8"	BN43BSPT	1020806BSPT	50
/2	1/2"	BN44BSPT	1020808BSPT	50
3/4"	3/4"	BN66BSPT	1021212BSPT	25
1"	1"	BN88BSPT	1021616BSPT	10

# Female NPTF x Hose Barb





303 stainless steel

Носа	Female		Brass	Lead Free	303 Stainles	s Steel1	Pkg
ID	NPTF	Previous Part #	Part #	<i>Brass</i> <sup>1, 2</sup> Part #	Previous Part #	Part #	Qty
1/8"	1/8"	BF11	1040202C				100
1/0	1/4"	BF12	1040204C				100
3/16"	1/8"	BF151	1040302C				100
<u> </u>	1/4"	BF152	1040304C				100
	1/8"	BF21	1040402C				100
1/4"	1/4"	BF22	1040404C	1040404CLF	BF22SS	1040404SS	100
., .	3/8"	BF23	1040406C				50
	1/2"	BF24	1040408C				50
	1/8"	BF251	1040502C				100
5/16"	1/4"	BF252	1040504C				100
	3/8"	BF253	1040506C				100
	1/8"	BF31	1040602C				100
	1/4"	BF32	1040604C	1040604CLF	BF32SS	1040604SS	50
3/8"	3/8"	BF33	1040606C	1040606CLF	BF33SS	1040606SS	50
	1/2"	BF34	1040608C	1040608CLF			50
	3/4"	BF36	1040612C				25
	1/4"	BF42	1040804C				50
1/2"	3/8"	BF43	1040806C				50
1/2	1/2"	BF44	1040808C	1040808CLF	BF44SS	1040808SS	50
	3/4"	BF46	1040812C				25
	3/8"	BF53	1041006C				50
5/8"	1/2"	BF54	1041008C				25
	3/4"	BF56	1041012C				25
0/4"	1/2"	BF64	1041208C				25
3/4"	3/4"	BF66	1041212C				20
1"	3/4"	BF86	1041612C				20
1"	1"	BF88	1041616C				10
1-1/4"	1"	BF108	1042016C				10

- NPT threads and are packaged to order
   Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400</li>



# Industrial Fittings

# Female NPSM Swivel x Hose Barb Ball Seat

		Brass		
Hose ID	Female NPSM	Previous Part #	Part #	Pkg Qty
1/8"	1/8"	BFS11	1240202K	100
2/4.0!!	1/8"	BFS151	1240302K	100
3/16"	1/4"	BFS152	1240304K	100
	1/8"	BFS21	1240402K	100
1/4"	1/4"	BFS22	1240404K	100
	3/8"	BFS23	1240406K	100
E/4.C!!	1/4"	BFS252	1240504K	100
5/16"	3/8"	BFS253	1240506K	50
	1/4"	BFS32	1240604K	100
3/8"	3/8"	BFS33	1240606K	100
	1/2"	BFS34	1240608K	100
4 /0"	3/8"	BFS43	1240806K	50
1/2"	1/2"	BFS44	1240808K	100
3/4"	3/4"	BFS66	1241212K	50



# Female NPSM Swivel x Hose Barb Gasket Seat

	Female		Pkg	
Hose ID	NPSM	Previous Part #	Part #	Qty
1/8"	1/8"	126-0202	1260202C	100
3/16"	1/8"	126-0302	1260302C	100
3/10	1/4"	126-0304	1260304C	100
	1/8"	126-0402	1260402C	100
1/4"	1/4"	126-0404	1260404C	100
	3/8"	126-0406	1260406C	100
5/16"	1/4"	126-0504	1260504C	100
	1/4"	126-0604	1260604C	100
3/8"	3/8"	126-0606	1260606C	50
	1/2"	126-0608	1260608C	50
4 /0!!	3/8"	126-0806	1260806C	50
1/2"	1/2"	126-0808	1260808C	50
3/4"	3/4"	126-1212	1261212C	25



<sup>•</sup> not recommended for water applications

# Industrial Hose Fittings

# Male NPTF x Hose Barb 90° Elbow



Male Male		Brass		Lead Free Brass <sup>2, 3</sup>
Hose ID	NPTF	Previous Part #	Part #	Part #
3/16"	1/8"	EL15H1M	1290302C	
	1/8"	EL2H1M	1290402C	
1/4"	1/4"	EL2H2M	1290404C	1290404CLF
	3/8"	EL2H3M	1290406C	
	1/8"	EL25H1M	1290502C	
5/16"	1/4"	EL25H2M	1290504C	
	3/8"	EL25H3M	1290506C	
	1/8"	EL3H1M	1290602C	
3/8"	1/4"	EL3H2M	1290604C	1290604CLF
3/0	3/8"	EL3H3M	1290606C	1290606CLF
	1/2"	EL3H4M	1290608C	
	1/4"	EL4H2M	1290804C	
1/2"	3/8"	EL4H3M	1290806C	
	1/2"	EL4H4M	1290808C	
5/8"	3/8"	EL5H3M	1291006C	
3/6	1/2"	EL5H4M	1291008C	
3/4"	1/2"	EL6H4M	1291208C	

1291212C

1291612C

1291616C 1

Brass

- capped
- Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

EL6H6M

EL8H6M

EL8H8M

3/4"

3/4"

NPT thread

3/4"

1"



	Male	Stainless Steel		DI OI
Hose ID	NPT	Previous Part #	Part #	Pkg Qty
1/4"	1/8"	EL2H1MSS	1290402SS	50
74	1/4"	EL2H2MSS	1290404SS	50
3/8"	1/4"	EL3H2MSS	1290604SS	50
78	3/8"	EL3H3MSS	1290606SS	50
	1/4"	EL4H2MSS	1290804SS	50
1/2"	3/8"	EL4H3MSS	1290806SS	50
	1/2"	EL4H4MSS	1290808SS	25
3/11	1/2"	EL6H4MSS	1291208SS	25
3/4"	3/4"	EL6H6MSS	1291212SS	25

# Female NPTF x Hose Barb 90° Elbow



Hose ID	Female NPTF	Brass		
		Previous Part #	Part #	Pkg Qty
1/4"	1/8"	134-0402	1340402C	50
	1/4"	134-0404	1340404C	50
3/8"	1/4"	134-0604	1340604C	50
	3/8"	134-0606	1340606C	50
1/2"	1/4"	134-0804	1340804C	25
	3/8"	134-0806	1340806C	25
	1/2"	134-0808	1340808C	25
3/4"	3/4"	134-1212	1341212C	25



## Barbed 90° Elbow Splicers

Hose ID	Brass		304 Stain	Pkg	
11026 10	Previous Part #	Part #	Previous Part #	Part #	Qty
1/8"	177-0202	1770202C	177-0202SS	1770202SS	25
3/16"	177-0303	1770303C	177-0303SS	1770303SS	25
1/4" x 1/8"	177-0402	1770402C			25
1/4"	177-0404	1770404C	177-0404SS	1770404SS	25
5/16"	177-0505	1770505C			25
3/8" x 1/4"	177-0604	1770604C			25
3/8"	177-0606	1770606C	177-0606SS	1770606SS	25
1/2" x 3/8"	177-0806	1770806C			25
1/2"	177-0808	1770808C	177-0808SS	1770808SS	25
5/8"	177-1010	1771010C			25
3/4" x 1/2"	177-1208	1771208C			25
3/4"	177-1212	1771212C			25



# idustrial Hose

## Barbed Tee Splicers

	Bra	ass	Lead Free Brass	Pkg	
Hose ID	Previous Part #	Part #	Part #	Qty	
1/8"	179-0202	1790202C		25	
3/16"	179-0303	1790303C		100	
1/4" x 1/8"	179-0402	1790402C		25	
1/4"	179-0404	1790404C	1790404CLF	25	
5/16"	179-0505	1790505C		25	
3/8" x 1/4"	179-0604	1790604C <sup>1</sup>		25	
3/8" x 1/4"		1790604BARB		25	
3/8"	179-0606	1790606C	1790606CLF	25	
1/2" x 3/8"	179-0806	1790806C		25	
1/2"	179-0808	1790808C		25	
5/8"	179-1010	1791010C		25	
3/4" x 1/2"	179-1208	1791208C		25	
3/4"	179-1212	1791212C		20	

 $<sup>^{1}\,</sup>$  drop leg has 1/4"-18 male NPTF thread

Llaca ID	304 Stainless Steel			
Hose ID	Previous Part #	Part #		
1/8"	179-0202SS	1790202SS		
3/16"	179-0303SS	1790303SS		
1/4"	179-0404SS	1790404SS		
3/8"	179-0606SS	1790606SS		
1/2"	179-0808SS	1790808SS		



304 stainless steel

brass with male NPTF



lead free brass



304 stainless steel

D



## Industrial Hose Fittings

#### Male NPTF x Hose Barb 45° Elbow

	Mala NIDTE	Br	DI. OI	
Hose ID	Male NPTF	Previous Part #	Part #	Pkg Qty
1/4"	1/8"	139-0402	1390402C	100
	1/4"	139-0404	1390404C	25
	1/8"	139-0602	1390602C	100
3/8"	1/4"	139-0604	1390604C	100
	3/8"	139-0606	1390606C	25
	1/4"	139-0804	1390804C	25
1/2"	3/8"	139-0806	1390806C	25
	1/2"	139-0808	1390808C	25
3/4"	1/2"	139-1208	1391208C	25

#### Male 45° SAE x Hose Barb





Hees ID	Mole LINE	Br	Dica Oty	
Hose ID	Male UNF	Previous Part #	Part #	Pkg Qty
3/16"	7/16"-20	142-0307	1420307C	100
1/4"	7/16"-20	142-0407	1420407C	100
1/4	5/8"-18	142-0410	1420410C	100
5/16"	1/2"-20	142-0508	1420508C	100
3/8"	5/8"-18	142-0610	1420610C	50
3/0	3/4"-16	142-0612	1420612C	50
1/2"	3/4"-16	142-0812	1420812C	50

#### Female 45°SAE/37°JIC Swivel x Hose Barb



Hose ID	Tube OD	Female UNF	Bra	Pkg	
Hose ID   Tube OD		remale one	Previous Part #	Part #	Qty
3/16"	1/4"	7/16"-20	143-0307	1430307K	100
	1/4"	7/16"-20	143-0407	1430407K	100
1/4"	1/4"	7/16"-20		1430407KLF 1	
	5/16"	1/2"-20	143-0408	1430408K	100
5/16"	5/16"	1/2"-20	143-0508	1430508K	50
3/8"	1/2"	3/4"-16	143-0612	1430612K	100
1/2"	1/2"	3/4"-16	143-0812	1430812K	100
1/2"	5/8"	<sup>7</sup> ∕8"-14	143-0814	1430814K	50

<sup>&</sup>lt;sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400



#### Female 45° SAE Swivel x Hose Barb

			Bra	Pkg	
Hose ID	Hose ID Tube OD	Female UNF	Previous Part #	Part #	Qty
3/16"	3/16"	3/8"-24	144-0306	1440306K	100
1/4"	3/8"	5/8"-18	144-0410	1440410K	100
5/16"	3/8"	5/8"-18	144-0510	1440510K	100
3/8"	3/8"	5/8"-18	144-0610	1440610K	100
1/2"	1/2"	3/4"-16	144-0812	1440812K	100
3/4"	3/4"	1-1/16"-14	144-1217	1441217K1	25



### Female 37° JIC Swivel x Hose Barb

Hose ID Tube OD	Tube OD	Female UNF	Bra	Pkg	
11026 1D	Hose ID   Tube OD	remale one	Previous Part #	Part #	Qty
3/8"	3/8"	9/16"-18	145-0609	1450609K	100
3/4"	3/4"	1-1/16"-12	145-1217	1451217K	25





#### Female PTF-SAE Short Swivel x Hose Barb

	Female	Bra	Pkg	
Hose ID	PTF-SAE Short	Previous Part #	Part #	Qty
1/4"	1/4"	105-0404	1050404C	50
3/8"	1/4"	105-0604	1050604C	50
78	3/8"	105-0606	1050606C	50
1/ "	3/8"	105-0806	1050806C	50
1/2"	1/2"	105-0808	1050808C	25



<sup>•</sup> swivel is for assembly convenience only, not for live swivel applications, 120 PSI maximum

Notch in nut for SAE identification



## Industrial Hose Fittings

BFM





BFL

#### Brass Ferrules for Air & Fluid

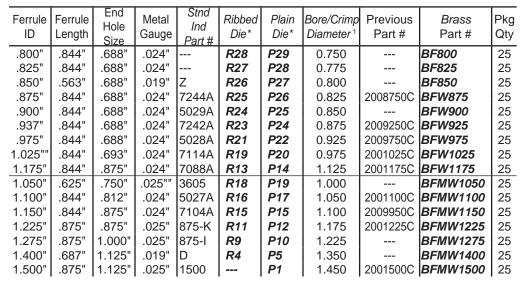
#### · sold in package quantities only

	<del>`</del>							_
Ferrule	Ferrule	End Hole	Metal	Stnd Ind	Bore/Crimp		Brass	Pkg
ID	Length	Size	Gauge	Part #	Diameter 1	Part #	Part #	Qty
.478"	.688	.328	.024"	4750	0.450	2004750C	BFM478	50
.500"	1	.344	.024"	7322	0.475	2005005C	BFM500	50
.528"	1	.375	.024"	7323	0.500	2005255C	BFM525	50
.528"	1	.438	.024"	7324	0.500	2005310C	BFM531	50
.562"	1	.438	.024"	7325	0.525	2005620C	BFM562	50
.593"	1	.438	.024"	7326	0.550	2005930C	BFM593	50
.625"	1	.438	.024"	7327	0.575	2006255C	BFM625	50
.656"	1	.438	.024"	7328	0.600	2006560C	BFM656	50
.687"	1	.500	.024"	7329	0.625	2006900C	BFM687	50
.718"	1	.625	.024"	7330	0.675	2007180C	BFM718	50
.718"	1	.500	.024"	7330B	0.675		BFM718B	50
.750"	1	.625	.024"	7331	0.700	2007505C	BFM750	50
.750"	1	.500	.024"	7331B	0.700		BFM750B	50
.781"	1	.625	.024"	7332	0.725	2007810C	BFM781	50
.781"	1	.500	.024"	7332B	0.725		BFM781B	50
.812"	1	.625	.024"	7333	0.750	2008120C	BFM812	50
.380"	.500	.266	.016"	622	0.350		BFL380	50
.400"	.469	.266	.020"	619	0.375	2004000C	BFL400	50
.410"	.500	.266	.016"	620	0.375		BFL410	50
.450"	.469	.344	.016"	769	0.425	2004530C	BFL450	50
.500"	.500	.344	.016"	624	0.450	2005000C	BFL500	50
.525"	.500	.344	.016"	625	0.475	2005250C	BFL525	50
.548"	.484	.375	.016"	626	0.500	2005500C	BFL548	50
.564"	.750	.375	.019"	3588	0.525		BFL564	50
.575"	.484	.469	.019"	KK	0.525		BFL575	50
.600"	.500	.500	.019"	JJ	0.550		BFL600	50
.625"	.500	.500	.019"	II	0.575	2006250C	BFL625	50
.650"	.500	.500	.019"	HH	0.600	2006500C	BFL650	50
.675"	.516	.500	.019"	GG	0.625	2006750C	BFL675	50
.725"	.531	.500	.019"	EE	0.675	2007250C	BFL725	50
.750"	.531	.500	.019"	DD	0.675	2007500C	BFL750	50
.775"	.531	.500	.016"	CC	0.700	2007750C	BFL775	50

- <sup>1</sup> Plain die bore diameter can be used as crimp spec ±.005
- For use with ribbed and plain dies on page 219

#### Brass Ferrules for Fluid

#### · sold in package quantities only



- <sup>1</sup> Plain die bore diameter can be used as crimp spec ±.005
- For use with ribbed and plain dies on page 219



## $\mathsf{D}$

#### Ribbed and Plain Dies

Ferrule ID	Stnd Ind Part #	Bore/Crimp Diameter <sup>1</sup>	Ribbed Die	Plain Die
.478"	4750	0.450	R41	P42
.500"	7322	0.475	R40	P40
.528"	7323	0.500	R39	P39
.528"	7324	0.500	R39	P39
.562"	7325	0.525	R37	P38
.593"	7326	0.550	R36	P37
.625"	7327	0.575	R35	P36
.656"	7328	0.600	R34	P35
.687"	7329	0.625	R33	P34
.718"	7330	0.675	R31	P32
.718"	7330B	0.675	R31	P32
.750"	7331	0.700	R30	P31
.750"	7331B	0.700	R30	P31
.781"	7332	0.725	R29	P30
.781"	7332B	0.725	R29	P30
.812"	7333	0.750	R28	P29
.380"	622	0.350	R44	P45
.400"	619	0.375	R44	P44
.410"	620	0.375	R43	P44
.450"	769	0.425	R41	P42
.500"	624	0.450	R40	P41
.525"	625	0.475	R39	P40
.548"	626	0.500	R38	P39
.564"	3588	0.525	R37	P38
.575"	KK	0.525	R37	P38
.600"	JJ	0.550	R36	P37
.625"	l ii	0.575	R35	P36
.650"	HH	0.600	R34	P35
.675"	GG	0.625	R34	P34
.725"	EE	0.675	R31	P32
.750"	DD	0.675	R30	P32
.775"	CC	0.700	R31	P31
.800"		0.750	R28	P29
.825"		0.775	R27	P28
.850"	Z	0.800	R26	P27
.875"	- 7244A	0.825	R25	P26
.900"	5029A	0.850	R24	P25
.937"	7242A	0.875	R23	P24
.975"	5028A	0.925	R21	P22
1.025""	7114A	0.975	R19	P20
1.175"	7088A	1.125	R13	P14
1.050"	3605	1.000	R18	P19
1.100"	5027A	1.050	R16	P17
1.150"	7104A	1.100	R15	P15
1.225"	875-K	1.175	R11	P12
1.275"	875-I	1.225	R9	P10
1.400"	D D	1.350	R4	P5
1.500"	1500	1.450		P1
	•	•	•	•







R28

 $<sup>^{1}\,</sup>$  Plain die bore diameter can be used as crimp spec  $\pm .005\,$ 

<sup>•</sup> dies for use with 5111A and 1765A ferrule machines. Other sizes are available.



## Industrial Hose Fittings



#### Manually - Operated Brass Ferrule Crimper

#### 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%"

P	a	rt	#

5111A

## D



#### 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.

## D

#### 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

Previous Part #	Part #
200FC	855
	855A



## ndustrial Hose ittings

#### **Small Hose Crimper Dies**

Die Bore	Hose from	e OD to	Crimper # <b>855</b>	Crimper # <b>855A</b>	Previous Part #	Die Part #
.375"	.385"	.406"	optional	optional	200FC3	856-10
.437"	.447"	.468"	optional	standard		856-7
.484"	.490"	.520"	standard	standard	200FC4A	856-4
.531"	.540"	.562"	standard	standard	200FC4B	856-3
.578"	.590"	.625"	standard	standard	200FC5	856-2
.625"	.640"	.671"	standard	standard	200FC6A	856-1
.687"	.690"	.710"	standard	optional	200FC6B	856-5
.750"	.760"	.781"	optional	optional	200FC8A	856-8
.812"	.820"	.843"	optional	optional	200FC8B	856-9







## Industrial Hose Fittings

### Large Hose Crimper

#### Features:

- for crimping ½" to 1" ID hoses with larger OD's, from 11/16" to  $1 \frac{1}{2}$  "
- crimps standard brass or aluminum ferrules
- order separate dies for each hose diameter
- Dies sold separately

Crimper Part #

860

## Crimper Dies





Hose OD/	Hose OD		Die Part #
Finished Crimp Dimension	From	То	Die Fait #
11/16"	.687"	.765"	861-22
23/32"	.718"	.796"	861-23
3/4"	.750"	.828"	861-24
25/32"	.781"	.860"	861-25
13/16"	.812"	.890"	861-26
27/32"	.843"	.921"	861-27
7/8"	.875"	.953"	861-28
29/32"	.906"	.985"	861-29
15/16"	.937"	1.010"	861-30
31/32"	.968"	1.040"	861-31
1"	1.000"	1.070"	861-32
1-1/32"	1.031"	1.110"	861-33
1-1/16"	1.062"	1.114"	861-34
1-1/8"	1.125"	1.208"	861-36
1-3/16"	1.187"	1.265"	861-38
1-1/4"	1.250"	1.321"	861-40
1-5/16"	1.312"	1.390"	861-42
1-3/8"	1.375"	1.453"	861-44
1-7/16"	1.437"	1.551"	861-46
1-1/2"	1.500"	1.578"	861-48

#### **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.

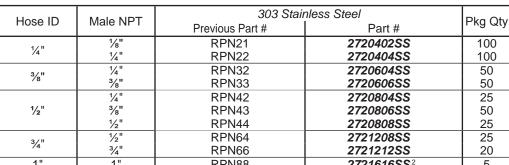
#### **Disassembly Instructions:**

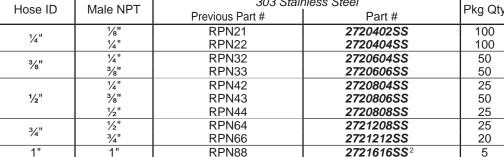
- 1. Leaving push-on fitting in place, make a 1" cut in the hose along the barbed end of the fitting. Note: Be careful not to nick barbs when cutting the hose.
- 2. With firm grip on hose, give a sharp downward pull to release the fitting from the hose.
- · intended for use with Lok-On (push-on style) 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.

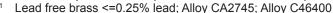
#### Male NPTF x Hose Barb

- refer to page 226 for Push-On garden hose thread fittings
- optional package quantity

Hose	Male		Brass		Brass Cap Op	tion	Lead FreeBrass 1,3	Pkg
ID	NPTF	Previous Part #	Part #	Pkg Qty	Part #	Pkg Qty	Part #	Qty
	1/8"	BPN21	2720402C	100	2720402CBC	100	2720402CLF	100
1/4"	1/4"	BPN22	2720404C	100	2720404CBC	100	2720404CLF	100
	3/8"	BPN23	2720406C	50	2720406CBC	50		
5/16"	1/8"	BPN251	2720502C	100				
5/10	1/4"	BPN252	2720504C	50				
	1/8"	BPN31	2720602C	100	2720602CBC	100		
	1/4"	BPN32	2720604C	50	2720604CBC	50	2720604CLF	50
3/8"	3/8"	BPN33	2720606C	50	2720606CBC	50	2720606CLF	50
	1/2"	BPN34	2720608C	25	2720608CBC	25		
	3/4"	BPN36	2720612C	25	2720612CBC	25		
	1/4"	BPN42	2720804C	25	2720804CBC	25		
1/2"	3/8"	BPN43	2720806C	25	2720806CBC	25	2720806CLF	50
1/2	1/2"	BPN44	2720808C	50	2720808CBC	50	2720808CLF	25
	3/4"	BPN46	2720812C	50	2720812CBC	50		
	3/8"	BPN53	2721006C	25	2721006CBC	25		
5/8"	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	3/4"	BPN66	2721212C	25	2721212CBC	25		
1"	3/4"	BPN86	2721612C	10				
Т	1"	BPN88	<b>2721616C</b> <sup>2</sup>	10				







- capped
- NPT threads 272LF



brass



brass cap



303 stainless steel

#### Male NPTF Swivel x Hose Barb

Hose ID	Male NPTF	Bi	Pkg	
позетр	Wate INFTF	Previous Part #	Part #	Qty
1/4"	1/8"	271-0402	2710402C	100
/4	1/4"	271-0404	2710404C	50
3/8"	1/4"	271-0604	2710604C	50
78	3/8"	271-0606	2710606C	50
1/2"	3/8"	271-0806	2710806C	25
/2	1/2"	271-0808	2710808C	20
3/4"	3/4"	271-1212	2711212C	10



<sup>·</sup> swivel is for assembly convenience only, not for live swivel applications, 120 PSI maximum



- 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.





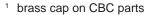


ID	Mala NIDTE	Br	Diam Oh :	
Hose ID	Male NPTF	Previous Part #	Part #	Pkg Qty
1/4"	1/8"-27	273-0402	2730402C	100
'/4	1/4"-18	273-0404	2730404C	50
	1/8"-27	273-0602	2730602C	50
3/8"	1/4"-18	273-0604	2730604C	50
	3⁄8"-18	273-0606	2730606C	25
1/2"	3⁄8"-18	273-0806	2730806C	25
/2	1/2"-14	273-0808	2730808C	25
3/4"	1/2"-14	273-1208	2731208C	10
74	<sup>3</sup> ⁄ <sub>4</sub> "-14	273-1212	2731212C	10

#### Female NPTF x Hose Barb

• refer to page 226 for Push-On garden hose thread fittings

		Bra	- ·	
Hose ID	Female NPTF	Previous Part #	Part #	Pkg Qty
	1/8"	BPF21	2740402C	100
	1/8"		2740402CBC 1	
1/4"	1/4"	BPF22	2740404C	100
1/4	1/4"		2740404CBC <sup>1</sup>	
	3/8"	BPF23	2740406C	50
	3/8"		2740406CBC <sup>1</sup>	
5/16"	1/8"	BPF251	2740502C	100
5/10	1/4"	BPF252	2740504C	50
	1/8"	BPF31	2740602C	50
	1/8"		2740602CBC 1	
	1/4"	BPF32	2740604C	50
3/8"	1/4"		2740604CBC 1	
3/0	3/8"	BPF33	2740606C	50
	3/8"		2740606CBC 1	
	1/2"	BPF34	2740608C	50
	3/4"	BPF36	2740612C	25
	1/4"	BPF42	2740804C	50
	1/4"		2740804CBC 1	50
	3/8"	BPF43	2740806C	50
1/2"	3/8"		2740806CBC 1	
1/2	1/2"	BPF44	2740808C	25
	1/2"		2740808CBC 1	
	3/4"	BPF46	2740812C	25
	3/4"		2740812CBC 1	
	3/8"	BPF53	2741006C	25
T (O!!	1/2"	BPF54	2741008C	25
5/8"	1/2"		2741008CBC <sup>1</sup>	
	3/4"	BPF56	2741012C	25
	1/2"	BPF64	2741208C	25
3/4"	3/4"	BPF66	2741212C	25
	3/4"		2741212CBC 1	
4"	3/4"	BPF86	2741612C	10
1"	1"	BPF88	2741616C	10







brass cap



- 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	Bra	Pkg Qty	
11000 12	l omalo ra ow	Previous Part #	Part #	i ng saty
	1/8"	BPFS21	2780402C	100
	1/8"		2780402CBC 1	100
1/11	1/4"	BPFS22	2780404C	50
1/4"	1/4"		2780404CBC <sup>1</sup>	50
	3/8"	BPFS23	2780406C	50
	3/8"		2780406CBC 1	50
	1/4"	BPFS32	2780604C	50
	1/4"		2780604CBC 1	50
3/8"	3/8"	BPFS33	2780606C	50
	3/8"		2780606CBC 1	50
	1/2"	BPFS34	2780608C	25
	1/2"	BPFS44	2780808C	50
1711	1/2"		2780808CBC 1	50
1/2"	3/4"	BPFS46	2780812C	25
	3/4"		2780812CBC 1	20
5/8"	3/4"	BPFS56	2781012C	20
3/11	3/4"	BPFS66	2781212C	20
3/4"	3/4"		2781212CBC 1	





brass cap



#### Female NPSM Swivel x Hose Barb Gasket Seat

		Bra	Diam Oh.	
Hose ID	Female NPSM	Previous Part #	Part #	Pkg Qty
	1/8"	280-0402	2800402C	100
1/4"	1/8"		2800402CBC 1	100
/4	1/4"	280-0404	2800404C	100
	1/4"		2800404CBC 1	100
	1/4"	280-0604	2800604C	50
	1/4"		2800604CBC <sup>1</sup>	50
3/8"	3/8"	280-0606	2800606C	50
78	3/8"		2800606CBC <sup>1</sup>	50
	1/2"	280-0608	2800608C	50
	1/2"		2800608CBC 1	50
1/2"	1/2"	280-0808	2800808C	25
/2	1/2"		2800808CBC 1	25
5/8"	1/2"	280-1008	2801008C	25
3/4"	3/4"	280-1212	2801212C	20
74	3/4"		2801212CBC 1	20





brass cap

#### **Hose Menders**

Hose	Bra	Brass		303 Stainless Steel		
ID	Previous Part #	Part #	Previous Part#	Part #	Qty	
1/4"	BPM2	2960404C	SSPM2	2960404SS	100	
1/4		2960404CBC <sup>1</sup>			100	
5/16"	BPM25	2960505C			100	
3/8"	BPM3	2960606C	SSPM3	2960606SS	50	
3/0		2960606CBC1			50	
1/2"	BPM4	2960808C	SSPM4	2960808SS	50	
1/2		2960808CBC1			50	
5/8"	BPM5	2961010C	SSPM5		20	
5/6		2961010CBC1			20	
3/4"	BPM6	2961212C	SSPM6		15	
J/4		2961212CBC1			15	
1"	RPM8	2961616C			10	





brass cap

brass cap on CBC parts

brass cap on CBC partsnot recommended for use with water

<sup>&</sup>lt;sup>1</sup> brass cap on CBC parts

for Tuff-Lite™ hose menders in nylon and polypropelyne see page 252

- · 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.







Lless ID	CUIT Through	Bra	ass
Hose ID	GHT Thread	Previous Part #	Part #
1/2" 5/8" 3/4"	3/4" 3/4" 3/4"	572-0812 572-1012 572-1212	5720812C 5721012C 5721212C

#### **Lok-On Female Swivel Garden Hose Fittings**



Lless ID	OUT There are		ass
Hose ID	GHT Thread	Previous Part #	Part #
1/2"	3/4"	574-0812	5740812C
5/8" 3/4"	3/4" 3/4"	574-1012 574-1212	5741012C 5741212C

#### **Lok-On Garden Hose Fitting Sets**

#### Feature:

• washer included, part # 5911212W on page 242



Hose ID	CUT Throad	Bra	ass
Hose ID G	GHT Thread	Previous Part #	Part #
1/2"	3/4"	575-0808	5750808K
5/8"	3/4"	575-1010	5751010K
3/4"	3/4"	575-1212	5751212K

#### 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





Hose ID	Tube OD	Male UNF			i kg
	1 0.00 0 2		Previous Part #	Part #	Qty
	1/4"	7/16"-20	282-0407	2820407C	100
1/4"	1/4"	7/16"-20		2820407CBC <sup>2</sup>	100
74	5/16"	1/2"-20	282-0408	2820408C	100
	5/16"	1/2"-20		2820408CBC <sup>2</sup>	100
3/8"	3/8"	5/8"-18 <sup>1</sup>	282-0610	2820610C	50
78	3/8"	5/8"-18 <sup>1</sup>		2820610CBC <sup>2</sup>	100
1/2"	1/2"	3/4"-16	282-0812	2820812C	50
/2	1/2"	3/4"-16	Previous Part # Part #  6"-20 282-0407 2820407C 6"-20 2820407CBC 2 "-20 282-0408 2820408C "-20 2820408CBC 2 "-18 1 282-0610 2820610C18 1 2820610CBC 2 "-16 282-0812 2820812C "-16 2820812CBC 2 "-14 282-1014 2821014C "-14 2821014CBC 2 6"-14 1 282-1217 2821217C 6"-14 1 2821217CBC 2	2820812CBC <sup>2</sup>	50
5/8"	5/8"	7/8"-14	282-1014	2821014C	25
78	5/8"	7/8"-14		2821014CBC <sup>2</sup>	25
3/11	3/4"	1-1/16"-14 <sup>1</sup>	282-1217	2821217C	25
3/4"	3/4"	1-1/16"-14 <sup>1</sup>		2821217CBC <sup>2</sup>	25
1 notch in nu	t for SAF iden	tification			

Brass

Pka

notch in nut for SAE identification

<sup>&</sup>lt;sup>2</sup> brass cap on CBC parts

## Industrial H

#### 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		FemaleUNF	Bro	Pkg	
11000 12	1 450 05	l omaloom	Previous Part #	Part #	Qty
1/4"	3/8"	5/8"-18 <sup>1</sup>	284-0410	2840410C	50
1/4	3/8"	5/8"-18 <sup>1</sup>		2840410CBC <sup>2</sup>	
5/16"	3/8"	5/8"-18 <sup>1</sup>	284-0510	2840510C	50
2/0"	3/8"	5/8"-18 <sup>1</sup>	284-0610	2840610C	100
3/8"	3/8"	5/8"-18 <sup>1</sup>		2840610CBC <sup>2</sup>	
0/4"	3/4"	1-1/16"-14 <sup>1</sup>	284-1217	2841217C	25
3/4"	3/4"	1-1/16"-14 1		2841217CBC <sup>2</sup>	





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	Bro	Pkg Qty	
			Previous Part #	Part #	
	1/4"	7/16"-20	286-0407	2860407C	100
	1/4"	7/16"-20		2860407CBC <sup>2</sup>	
1/4"	5/16"	1/2"-20	286-0408	2860408C	50
	3/8"	9/16"-18	286-0409	2860409C	100
	3/8"	9/16"-18		2860409CBC <sup>2</sup>	
3/8"	3/8"	9/16"-18	286-0609	2860609C	50
78	3/8"	9/16"-18		2860609CBC <sup>2</sup>	
1/2"	1/2"	3/4"-16	286-0812	2860812C	25
/2	1/2"	3/4"-16		2860812CBC <sup>2</sup>	
5/11	5/8"	7/8"-14	286-1014	2861014C	25
5/8" 5/8	5/8"	7/8"-14		2861014CBC <sup>2</sup>	
3/11	3/4"	1-1/16"-12	286-1217	2861217C <sup>1</sup>	10
3/4"	3/4"	1-1/16"-12		2861217CBC 1, 2	





brass cap

<sup>&</sup>lt;sup>1</sup> notch in nut for SAE identification

<sup>&</sup>lt;sup>2</sup> brass cap on CBC parts

UN Thread

brass cap on CBC parts



- · 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.



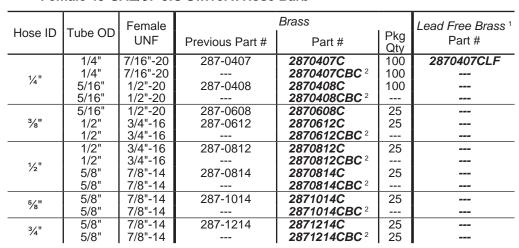




plastic cap



brass cap



Hose ID Tube OD		Female LINF	Stainless Steel	
Tiose ib Trube Obj. Terriale	T Official Offi	Previous Part #	Part #	
1/4"	1/4"	7/16"-20	287-0407SS	2870407SS
1/2"	1/2"	3/4"-16	287-0812SS	2870812SS

<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

brass cap on CBC parts

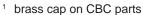


stainless steel

#### Female 37° JIC Swivel x Hose Barb



Hose ID	Tube OD	Female UNF		Pkg	
			Previous Part #	Part #	Qty
1/4"	3/8"	9/16"-18	288-0409	2880409C	50
1/4	3/8"	9/16"-18		2880409CBC <sup>1</sup>	50
5/16"	3/8"	9/16"-18	288-0509	2880509C	50
3/8"	3/8"	9/16"-18	288-0609	2880609C	50
3/0	3/8"	9/16"-18		2880609CBC <sup>1</sup>	100
1/2"	3/8"	9/16"-18	288-0809	2880809C	25
3/4"	3/4"	1-1/16"-12 <sup>2</sup>	288-1217	2881217C	10
3/4	3/4"	1-1/16"-12 <sup>2</sup>		2881217CBC <sup>1</sup>	10
1"	1"	1-5/16"-12 <sup>2</sup>	288-1621	2881621C	10





303 stainless steel

Hose ID	Tube OD	Female UNF	303 Stain	less Steel
	Tube OB Tremaie		Previous Part #	Part #
3/8" 3/4" 1"	3/8" 3/4" 1"	9/16"-18 1-1/16"-12 <sup>2</sup> 1-5/16"-12 <sup>2</sup>	288-0609SS 288-1217SS 288-1621SS	2880609SS 2881217SS 2881621SS

#### <sup>2</sup> UN Thread

#### Female 37°JIC / 45° SAE Swivel x 90° Elbow



Hose ID Tube OD		Female UNF	Plated	Pkg	
Hose ID   Tube OD	remale one	Previous Part #	Part #	Qty	
1/4"	1/4"	7/16"-20	289-0407	2890407C <sup>2</sup>	25
<u>/4</u>	1/4"	7/16"-20	289-0407SAE	2890407CSAE 1	25
3/8"	3/8"	9/16"-18	289-0609	2890609C <sup>2</sup>	25
/8	3/8"	5/8"-18	289-0610SAE	2890610CSAE 1	25
1/2"	1/2"	3/4"-16	289-0812	2890812C <sup>2</sup>	10
3/4"	3/4"	1-1/16"-12 <sup>3</sup>	289-1217	2891217C <sup>2</sup>	5

notch in nut for SAE identification

JIC only, may substitute dual angle

<sup>3</sup> UN thread

### **AWARNING**

Except as specifically noted as to a specific fitting, NO hose fittings manufactured and/or sold by any Dixon company can be safely used in life dependency applications such as diving, for oxygen, air, or other breathing applications. Our fittings are NOT designed and NOT recommended for such use and should NOT BE USED for that purpose. Use of non-approved hose fittings in such applications can result in death or grave personal injuries.

#### Application:

· recommended for low pressure air hose

#### Features

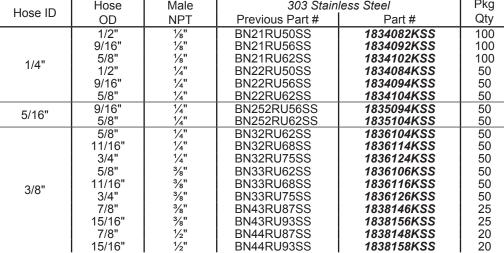
- maximum working pressure: 250 PSI at ambient temperature 70°F (21°C)
- · durable, easily repaired hose connection
- · caution: check hose OD and ID accurately before ordering



#### **Male Thread**

			iviale Tilleau			
I I ID	Hose	Male	Bra	ass	Pkg	
Hose ID	OD	NPTF	Previous Part #	Part #	Qty	
	1/2"	1/8"	BN21RU50	1834082K	100	
	9/16"	1/8"	BN21RU56	1834092K	100	
	5/8"	1/8"	BN21RU62	1834102K	100	
	1/2"	1/4"	BN22RU50	1834084K	50	
1/4"	9/16"	1/4"	BN22RU56	1834094K	50	
	5/8"	1/4"	BN22RU62	1834104K	50	
	1/2"	3/8"	BN23RU50	1834086K	50	
	9/16"	3/8"	BN23RU56	1834096K	50	
	5/8"	3/8"	BN23RU62	1834106K	50	
	9/16"	1/4"	BN252RU56	1835094K	50	
	5/8"	1/4"	BN252RU62	1835104K	50	
5/16"	11/16"	1/4"	BN252RU68	1835114K	50	
	9/16"	3/8"	BN253RU56	1835096K	50	
	5/8"	3/8"	BN253RU62	1835106K	50	
	11/16"	3/8"	BN253RU68	1835116K	50	
	5/8"	1/4"	BN32RU62	1836104K	50	
	11/16"	1/4"	BN32RU68	1836114K	50	
	3/4"	1/4"	BN32RU75	1836124K	50	
0./0!!	5/8"	3/8"	BN33RU62	1836106K	50	
3/8"	11/16"	3/" 8	BN33RU68	1836116K	50	
	3/4"	3/8" 1/11	BN33RU75	1836126K	50	
	5/8"	1/" 1/"	BN34RU62	1836108K	50	
	11/16"	1/" 1/"	BN34RU68	1836118K	50	
	3/4" 7/8"	1/2" 1/4"	BN34RU75	1836128K	50	
	15/16"	74 1/4"	BN42RU87 BN42RU93	1838144K	25 25	
	15/16	1/4"	BN42RU93 BN42RU99	1838154K 1838164K	25	
	7/8"	3/8"	BN43RU87	1838146K	25	
1/2"	15/16"	/8 3/" /8	BN43RU93	1838156K	25	
1/2	15/16	/8 3/8"	BN43RU99	1838166K	25	
	7/8"	/8 1/" /2"	BN44RU87	1838148K	20	
	15/16"	/2 1/2"	BN44RU93	1838158K	20	
	13/10	/2 1/2"	BN44RU99	1838168K	20	
	'	/2	I BN44KO99	10301001	20	
	Hose	Male	303 Stain	less Steel	Pkg	
Hose ID	OD	NPT	Previous Part #	Part #	Qty	
	1/2"	1/8"	BN21RU50SS	1834082KSS	100	
	9/16"	1/8"	BN21RU56SS	1834092KSS	100	
4/4"	5/8"	1/8"	BN21RU62SS	1834102KSS	100	
1/4"	1/2"	1/4"	BN22RU50SS	1834084KSS	50	
	9/16"	1/4"	BN22RU56SS	1834094KSS	50	
	5/8"	1/4"	BN22RU62SS	1834104KSS	50	









### **AWARNING**

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#### **Swivel Stems**



Hose ID	Female NPSM	<i>Brass</i> Part #	Optional Qty
1/4"	½"-18	1840404A	50
	3 <sub>8</sub> "-18	1840406A	50
5/16"	1/4"-18	1840504A	50
3/8"	1/4"-18	1840604A	50
3/6	3⁄8"-18	1840606A	50
1/2"	1/2"-14	1840808A	25

Previous Part #

185-8148

185-8158 185-8168 Brass

Part #

1854084K

1854094K

1854104K

1854086K

1854096K

1854106K

1855094K

1855104K

1855114K

1856104K

1856114K

1856124K

1856106K

1856116K

1856126K

1858148K

1858158K

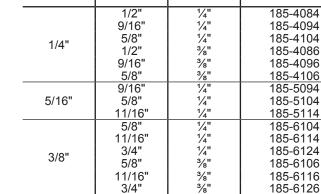
1858168K

#### **Female Swivels**

Female

**NPSM** 





Hose OD

7/8"

15/16"

Hose ID

1/2"

#### **Splicer Stems**

1/2"

1/2"



	Hose ID	<i>Brass</i> Part #	Optional Qty
Ī	1/4"	1860404S	100
	3/8"	1860606S	50

#### **Hose Splicers**



Hose	Hose	Br	Ontinual Ot	
ID	OD	Previous Part #	Part #	Optional Qty
	1/2"	187-0408	1870408K	50
1/4"	9/16"	187-0409	1870409K	50
	5/8"	187-0410	1870410K	50
	5/8"	187-0610	1870610K	25
3/8"	11/16"	187-0611	1870611K	25
	3/4"	187-0612	1870612K	25

Optional

Qty

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

20

20

20

### **AWARNING**

Except as specifically noted as to a specific fitting, NO hose fittings manufactured and/or sold by any Dixon company can be safely used in life dependency applications such as diving, for oxygen, air, or other breathing applications. Our fittings are NOT designed and NOT recommended for such use and should NOT BE USED for that purpose. Use of non-approved hose fittings in such applications can result in death or grave personal injuries.

#### **Ferrules**

Hose ID	Hose OD	<i>Brass</i> Part #	303 Stainless Steel Part #	Opt Qty
	1/2"	1800408F	1800408FSS	100
1/4"	9/16"	1800409F	1800409FSS	50
	5/8"	1800410F	1800410FSS	50
5/16"	9/16"	1800509F	1800509FSS	100
	5/8"	1800510F	1800510FSS	50
	11/16"	1800511F	1800410F       1800410FSS       50         1800509F       1800509FSS       10         1800510F       1800510FSS       50         1800511F        50         1800610F       1800610FSS       50         1800611F       1800611FSS       50	50
	5/8"	1800610F	1800610FSS	50
3/8"	11/16"	1800611F	1800611FSS	50
	3/4"	1800612F	1800612FSS	50
	7/8"	1800814F	1800814FSS	25
1/2"	15/16"	1800815F	1800815FSS	25
	1"	1800816F		20







#### **Male Stems**

Hose ID	Male NPTF Thread <sup>1</sup>	<i>Brass</i> Part #	303 Stainless Steel <sup>1</sup> Part #	Opt Qty
1/4"	1/8"	1820402S	1820402SS	100
	1/4" <b>1820404S</b>		1820404SS	100
	3/8"	1820406S		50
5/16"	1/4"	1820504S	1820504SS	50
	3/8"	1820506S		50
	1/4"	1820604S	1820604SS	100
3/8"	3/8"	1820606S	1820606SS	50
	1/2"	1820608S		25
	1/4"	1820804S		50
1/2"	3/8"	1820806S	1820806SS	50
	1/2"	1820808S	1820808SS	25





stainless steel parts have NPT threads



#### **Swivel Stems**

## Industrial Hose Fittings



Hose ID	Female NPSM	<i>Brass</i> Part #	Optional Qty
1/4"	½"-18 %"-18	1840404A 1840406A	50 50
5/16"	1/4"-18	1840504A	50
3/8"	1/4"-18	1840604A	50
3/8	<b>¾"-18</b>	1840606A	50
1/2"	1/2"-14	1840808A	25

#### **Female Swivels**





Hose ID	Hose OD Female		Bra	Optional	
Hose ID	Hose OD	NPSM	Previous Part #	Part #	Qty
	1/2"	1/4"	185-4084	1854084K	50
	9/16"	1/4"	185-4094	1854094K	50
1/4"	5/8"	1/4"	185-4104	1854104K	50
1/4	1/2"	3/8"	185-4086	1854086K	50
	9/16"	3/8"	185-4096	1854096K	50 50 50 50 50
	5/8"	3/8"	185-4106	1854106K	50
	9/16"	1/4"	185-5094	1855094K	50
5/16"	5/8"	1/4"	185-5104	1855104K	50
	11/16"	1/4"	185-5114	1855114K	50
	5/8"	1/4"	185-6104	1856104K	50
	11/16"	1/4"	185-6114	1856114K	50
3/8"	3/4"	1/4"	185-6124	1856124K	50
3/0	5/8"	3/8"	185-6106	1856106K	50
	11/16"	3/8"	185-6116	1856116K	50
	3/4"	3/8"	185-6126	1856126K	50
	7/8"	1/2"	185-8148	1858148K	20
1/2"	15/16"	1/2"	185-8158	1858158K	20
	1"	1/2"	185-8168	1858168K	20

### Splicer Stems



Hose ID	<i>Brass</i> Part #	Optional Qty
1/4"	1860404S	100
3/8"	1860606S	50

#### **Hose Splicers**



Hose	Hose	Br	Ontional Oty	
ID	OD	Previous Part #	Part #	Optional Qty
	1/2"	187-0408	1870408K	50
1/4"	9/16"	187-0409	1870409K	50
	5/8"	187-0410	1870410K	50
	5/8"	187-0610	1870610K	25
3/8"	11/16"	187-0611	1870611K	50 50 25 25
	3/4"	187-0612	1870612K	25



Industrial Hose Fittings

## Reusable Fittings

#### **Ferrules**

Hose ID	Hose OD	<i>Brass</i> Part #	303 Stainless Steel Part #	Opt Qty
	1/2"	1800408F	1800408FSS	100
1/4"	9/16"	1800409F	1800409FSS	50
	5/8"	1800410F	1800410FSS	50
5/16"	9/16"	1800509F	1800509FSS	100
	5/8"	1800510F	1800510FSS	50
	11/16"	1800511F		50
	5/8"	1800610F	1800610FSS	50
3/8"	11/16"	1800611F	1800611FSS	50
	3/4"	1800612F	1800612FSS	50
	7/8"	1800814F	1800814FSS	25
1/2"	15/16"	1800815F	1800815FSS	25
	1"	1800816F		20







#### **Male Stems**

Hose ID	Male NPTF Thread <sup>1</sup>	<i>Brass</i> Part #	303 Stainless Steel <sup>1</sup> Part #	Opt Qty
	1/8"	1820402S	1820402SS	100
1/4"	1/4"	1820404S	1820404SS	100
	3/8"	1820406S		50
5/16"	1/4"	1820504S	1820504SS	50
5/16	3/8"	1820506S	50	
	1/4"	1820604S	1820604SS	100
3/8"	3/8"	1820606S	1820606SS	50
	1/2"	1820404S       1820404SS       100         1820406S        50         1820504S       1820504SS       50         1820506S        50         1820604S       1820604SS       100         1820606S       1820606SS       50         1820804S        25         1820806S       1820806SS       50	25	
	1/4"	1820804S		50
1/2"	3/8"	1820806S	1820806SS	50
	1/2"	1820808S	1820808SS	25





<sup>&</sup>lt;sup>1</sup> stainless steel parts have NPT threads

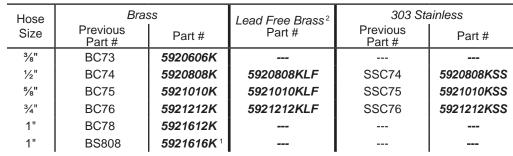


#### Standard Shank Fittings

#### **GHT Complete Couplings with Hex Nut**

#### Feature:

· extended male GHT - deeper thread





<sup>&</sup>lt;sup>2</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Note: complete coupling set is not shipped assembled

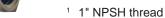






#### **GHT Female Fittings with Swivel Nut**

	Hose	Bra Previous	ass     Part#	Lead Free Brass <sup>2</sup> Part #	303 Sta Previous	ainless     Part #	Pkg Qty
	OIZC	Part #	Pan #	r arr n	Part #	Pan #	Qty
	3/8"	BCF73	5910612C				25
	1/"	BCF74	5910812C		SSCF74	5910812SS	25
	/2			5910812CLF			25
	5/"	BCF75	5911012C		SSCF75	5911012SS	25
	78	BCF75 <b>5911012C</b> SSCF75 <b>591101</b> <b>5911012CLF </b>		25			
	3/"	BCF76	5911212C		SSCF76	5911212SS	25
3/4"			5911212CLF			25	
	4"	BCF78	5911612C				10
	Size P  3/8" E  1/2" E  5/8" E  3/4" E	BS848	5911616C 1,3				10



Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

#### **GHT Male Fittings**

#### Feature:

· extended male GHT - deeper thread





Hose	Brass		Lead Free Brass <sup>2</sup>	303 St	ainless	Pkg
Size	Previous Part #	Part #	Part #	Previous Part #	Part #	Qty
3/8"	BCM73	5900612C				25
1/3"	BCM74	5900812C		SSCM74	5900812SS	25
/2			5900812CLF			25
5/8"	BCM75	5901012C		SSCM75	5901012SS	25
78			5901012CLF			25
3/4"	BCM76	5901212C		SSCM76	5901212SS	25
%4			5901212CLF			25
1"	BCM78	5901612C				10
	BS818	5901616C <sup>1</sup>				10

<sup>1 1&</sup>quot; NPSH thread





washer included, part # 5911616W on page 242

<sup>•</sup> SBR black rubber washer part # 5911212W included found on page 242

<sup>&</sup>lt;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	Bra	ass
Hose Size	Previous Part #	Part #
1/2"	HNBGH74	5890808K
5/8"	HNBGH75	5891010K
3/4"	HNBGH76	5891212K



#### **GHT Complete Couplings with Round Nut**

Hose Size	Brass			
HUSE SIZE	Previous Part #	Part #		
1/2"	BGH74	5870808K		
5/8"	BGH75	5871010K		
3/4"	BGH76	5871212K		





#### **GHT Female Couplings with Round Nut**

Hose Size	Shank	Bra	ass
nose size	Length	Previous Part #	Part #
1/2"	1"	BGHF74	5860812C
5/8"	1"	BGHF75	5861012C
3/4"	1"	BGHF76	5861212C



#### **GHT Female Swivels with Hex Nut**

Hoos Cizo	Shank	Bra	ass
Hose Size	Length	Previous Part #	Part #
1/2"	1"	HNBGHF74	5880812C
5/8"	1"	HNBGHF75	5881012C
3/4"	1"	HNBGHF76	5881212C



#### **GHT Male Couplings with Hex**

#### Feature:

• extended male GHT - deeper thread

Hees Cine	Shank	Bra	ass
Hose Size	Length	Previous Part #	Part #
1/2"	1"	BGHM74	5850812C
5/8"	1"	BGHM75	5851012C
3/4"	1"	BGHM76	5851212C





## Industrial Hose Fittings

#### Short Shank Couplings with Octagon Nut

· sold in complete sets only



Hose Size	Shank Length	<i>Aluminum</i> Part #
3/8"	13/16"	ABC73
3/4"	1-1/8"	ABC76

### Standard Shank Cast Coupling with Hex Nut

- use with washers on page 205
- · sold in complete sets only



Hose Size	<i>Brass</i> Part #
1/2"	CBC74
5/8"	CBC75
3/4"	CBC76
1"	CBC88 <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> NPSM thread

#### **Garden Hose Menders**



Hose ID	Bra	ass
Hose ID	Previous Part #	Part #
1/2"	5780808C	1780808C
5/8"	5781010C	1781010C
3/4"	5781212C	1781212C
1"	5781616C	1781616C





#### Long Shank Fittings

#### **Complete Couplings - GHT**

#### Feature:

• extended male GHT, deeper thread

Hose	GHT	Plated Steel	Bra	ass
ID	Thread	Part #	Previous Part #	Part #
3/8"	3/4"	SLS307		
1/2"	3/4"	SLS407	BLS407	5950808K
5/8"	3/4"	SLS507	BLS507	5951010K
3/4"	3/4"	SLS607	BLS607	5951212K



#### **Female Couplings - GHT**

						<u> </u>
Hose	GHT	Plated Steel	Bra	ass	Pkg	Lead Free Brass
ID	Thread	Part #	Previous Part #	Part #	Qty	Part #
3/8"	3/4"	SLS347				
1/2"	3/4"	SLS447	BLS447	5940812C	25	
5/8"	3/4"	SLS547	BLS547	5941012C	25	
3/4"	3/4"	SLS647	BLS647	5941212C	25	5941212CLF <sup>1</sup>





#### Male Couplings - GHT

#### Feature:

• extended male GHT, deeper thread

Hose	GHT	Plated Steel	Bra	ass	Pkg	Lead Free Brass
ID	Thread	Part #	Previous Part #	Part #	Qty	Part #
3/8"	3/4"	SLS317			50	
1/2"	3/4"	SLS417	BLS417	5930812C	25	
5/8"	3/4"	SLS517	BLS517	5931012C	25	
3/4"	3/4"	SLS617	BLS617	5931212C	10	5931212CLF1



<sup>&</sup>lt;sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400



### Spray Hose Fittings

#### **Complete Couplings - GHT**



Hose	GHT	<i>Plated Steel</i>
ID	Thread	Part #
3/8"	3/4"	SS307
1/2"	3/4"	SS407
5/8"	3/4"	SS507
3/4"	3/4"	SS607

#### **Female Couplings - GHT**



Hose	GHT	Plated Steel
ID	Thread	Part #
3/8"	3/4"	SS347
1/2"	3/4"	SS447
5/8"	3/4"	SS547
3/4"	3/4"	SS647

#### Male Couplings - GHT



Hose ID	GHT Thread	Plated Steel Part #
3/8"	3/4"	SS317
1/2"	3/4"	SS417
5/8"	3/4"	SS517
3/4"	3/4"	SS617



#### **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 %" and 34" hose

#### **Female Hose Fittings**

Part #	Optional Qty
M5834F	48



#### **Male Hose Fittings**

Part #	Optional Qty
M5834M	48



#### **Menders**

Part #	Optional Qty
М5834НМ	48



#### Male GHT Adapters

#### Male Hose x Male Hose x Female Pipe

Male GH x Male GH x	Lead Free Brass
Female NPT	Part #
3/4" X 3/4" X 1/2"	5091212CLF



#### Male GHT x Male NPTF







brass

lead free brass

303 stainless

Male GHT	Male NPTF	<i>Bi</i> Previous Part #	rass Part #	Lead Free Brass³ Part #	Male Thread	303 S Previous Part #	tainless Part #	Pkg Qty
3/4"	3/8"	BA73	5081206C 1					25
3/4"	1/2"	BA74	5081208C 1	5081208CLF	NPT	RA74	5081208SS	25
3/4"	3/4"		5081212C 1	<b> </b>	NPT	RA776	5081212SS	25
3/4"	3⁄4" X 1⁄2"	BA776	5141212C 1,2	5141212CLF <sup>2</sup>	NPT		5141212SS <sup>2</sup>	25
3/4"	1"	BA78	5081216C 1	<b> </b>				10

<sup>1</sup> extended male GHT, deeper thread

<sup>&</sup>lt;sup>2</sup> has ½" female NPT on ID of ¾" male NPT side

<sup>&</sup>lt;sup>3</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400



#### Male GHT Adapters

#### Male GHT



brass



303 stainless

Male	Male	Brass		Male	303 Stainless		Pkg
GHT	GHT	Previous Part #	Part #	GHT	Previous Part #	Part #	Qty
3/4"	3/4"	BA777	5091212C1	NPT	RA777	5091212SS 1	25
3/4"	1" 2	509-1612	5091612C1				20

extended male GHT, deeper threadNPSH thread

#### **Female NPTF**



brass



303 stainless

Male	Female	Brass		Lead Free Brass	Pkg
GHT	NPTF	Previous Part #	Part #	Part #	Qty
3/4"	1/4"	507-1204 <sup>1</sup>	5071204C		25
3/4"	3/8"	507-1206 <sup>1</sup>	5071206C		25
3/4"	1/2"	BA794 <sup>1</sup>	5071208C		25
3/4"	3/4"	BA796 <sup>1</sup>	5071212C	5071212CLF <sup>2,3</sup>	25

Male	Female	303 Stainless		
GHT	NPT	Previous Part #	Part #	Pkg Qty
3/4"	1/2"	RA794	5071208SS	25
3/4"	3/4"	RA796	5071212SS	25

<sup>&</sup>lt;sup>1</sup> extended male GHT, deeper thread

<sup>&</sup>lt;sup>2</sup> NPT threads

<sup>&</sup>lt;sup>3</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

#### Female GHT Adapters

#### Swivel

Female x	Bra	Optional	
Female	Previous Part #	Part #	Qty
3/4" X 3/4"	BA977	5061212C	25
3/4" X 3/4"		5061212CLF <sup>1</sup>	25

<sup>&</sup>lt;sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400





lead free brass

#### Female GHT Swivel x Female NPTF

Female GHT x	Bra	ass	Lead Free Brass	303 Stainless		Pkg
Female NPTF	Previous Part #	Part #	Part #	Previous Part #	Part #	Qty
3/4"X 1/2"	BAS974	5021208C	5021208CLF 1, 2	RAS974	<b>5021208SS</b> <sup>2</sup>	25
3/4" X 3/4"	BAS976	5021212C	5021212CLF 1, 2	RAS976	5021212SS <sup>2</sup>	10



#### Female GHT Swivel x Male NPTF

Female GHT	Male NPTF	Bra Previous Part #		Male NPT	303 St Previous Part #		Pkg Qty
3/4"	1/4"	504-1204	5041204C				25
3/4"	3/8"	504-1206	5041206C				25
3/4"	1/2"	504-1208	5041208C	1/2"	R504-1208	5041208SS	25
3/4"	3/4"	504-1212	5041212C	3/4"	R504-1212	5041212SS	20





#### Rigid Female GHT x Male NPTF

Female	Male	Brass		Male	303 Stainless		Pkg
GHT	Thread NPTF	Previous Part #	Part #	Thread NPT	Previous Part #	Part #	Qty
3/4"	3/8"	BMA973	5031206C				25
3/4"	1/2"	BMA974	5031208C	1/2"	RMA974	5031208SS	25
3/4"	3/4"	BMA976	5031212C <sup>1</sup>	3/4"	RMA976	5031212SS <sup>1</sup>	25





#### Rigid Female GHT x Female NPTF

Female	Female	Bra		Female	303 St	ainless	Pkg
GHT	Thread NPTF	Previous Part #	Part #	Thread NPT	Previous Part #	Part #	Qty
3/4"	1/8"	BA971	5011202C				50
3/4"	1/4"	BA972	5011204C				25
3/4"	3/8"	BA973	5011206C				25
3/4"	1/2"	BA974	5011208C	1/2"	RA974	5011208SS	25
3/4"	3/4"	BA976	5011212C	3/4"	RA976	5011212SS	25





<sup>&</sup>lt;sup>1</sup> Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>&</sup>lt;sup>2</sup> NPT threads

 $<sup>^{\</sup>rm 1}~$  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	5911212W	100
0.86"	1.27"	60	5911616W	100

#### Garden Hose Filter Washer



December	FDA black 70a duro PVC		Optional
Description	Previous Part #	Part #	Qty
304 stainless steel mesh,FDA black 70a duro PVC	TVS7-30	5911212F	100

## Red Vinyl GHT Washer





<i>red vinyl</i>	Optional
Part #	Qty
TVW7	100

#### White Rubber GHT Washer



white rubber (Styrene Butadiene) Part #	Optional Qty
TRW7	100

## Garden Hose Cap



Size		Bra	Optional	
		Previous Part #	Part #	Qty
	3/4"	GHC7	5131212C	25

### Garden Hose Round Nut with Knurl



Size	<i>Brass</i> Part #
3/4"	5861012N

#### Garden Hose Hex Nut with Knurl



Size	<i>Brass</i> Part #
3/4" GHT	5911212N
1" NPSH	5911616N

## $\Box$

#### Compression Bibb Faucets

#### Features:

- · rough brass finish
- · nozzle end is GHT
- for water use only

Male NPT Inlet Size	<i>Brass</i> Part #
1/2"	35-201-10
3/4"	35-202-10



ndustrial Hose Fittings

#### 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**

	Brass		303 Stainless Steel	
Description	Previous Part #	Part #	Previous Part #	Part #
complete assembly	DGH7	500QCK	DGH7SS	500QCKSS
complete valved assembly	DGH7V	500QCKV		







#### **Female Couplers**

	Brass		303 Stainless Steel	
Description	Previous Part #	Part #	Previous Part #	Part #
coupler	DGH7C	500QCF	DGH7CSS	500QCFSS
valved coupler-water shutoff	DGH7CV	500QCFV		



#### Replacement Parts

Description	Part #
replacement rubber seal gasket for 500QCFV (DGH7CV)	500QCFVSG
replacement NBR O-ring for 500QCFV (DGH7CV)	500QCFVOR



#### Replacement Seal for 500QCF

Nitrile Butadiene Rubber		
Previous Part #	Part #	
DGHW7	500QCSG	

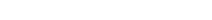


#### **Male Plugs**

	Bra	ass	303 Stainless Steel		
Description	Previous Part #	Part #	Previous Part #	Part #	
male plug	DGH7P	500QCM	DGH7PSS	500QCMSS	







#### 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





#### **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



#### **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



500BFP





#### 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** 





## Industrial Hose Fittings



#### Hose Shank x Male NPT Inserts

Size	<i>Nylon</i> Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1¼"	THN15	25		
1½"	THN20	25	HB150	25
2"	THN25	20	HB200	24
3"	THN35	10	HB300	10
4"			HB400	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

## is 🛕

#### 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 Size	Male NPT	<i>Nylon</i> Part #	Pkg Qty	<i>Polypropylene</i> Part #	Pkg Qty
	1/8"	TN21	50	PPN21	50
	1/4"	TN21	50	PPN22	50
	3/8"	TN23	50	PPN23	50
1/4"	1/2"	TN24	50	PPN24	50
	3/4"	TN26	50		50
	1"	TN28	50		
5/16"	1/4"	TN252	50		<del></del>
0/10	1/8"	TN31	50	PPN31	50
	1/4"	TN32	50	PPN32	50
3/8"	3/8"	TN33	50	PPN33	50
, 0	1/2"	TN34	50	PPN34	50
	3/4"	TN36	50	PPN36	50
	1/8"	TN41	50		
	1/4"	TN42	50	PPN42	50
1/2"	3/8"	TN43	50	PPN43	50
	1/2"	TN44	50	PPN44	50
	3/4"	TN46	50	PPN46	50
	3/8"	TN53	50		
5/8"	1/2"	TN54	50	PPN54	50
	3/4"	TN56	50	PPN56	50
	3/8"	TN63	50		
3/4"	1/2"	TN64	50	PPN64	50
74	3/4"	TN66	50	PPN66	50
	1"	TN68	25	PPN68	25
1"	3/4"	TN86	25	PPN86	25
1	1"	TN88	25	PPN88	25
	1"	TN158	15		
1¼"	11/4"	TN150	10	PPN150	10
	1½"	TN1520	10		
1½"	11/4"	TN2015	10		
	1½"	TN200	10	PPN200	10
2"	2"	TN250	5	PPN250	5

sold in package quantities only

#### 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	<i>Nylon</i> Part #
1/4"	1/4"	TFS22
1/4"	1/2"	TFS42
1/2"	1/2"	TFS44
3/4"	3/4"	TFS66



#### Female 45°SAE/37°JIC Swivel x Hose Barb

#### Feature:

ball seat type

Hose Size	Female NPSM	<i>Nylon</i> Part #
1/4"	1/4"	TF22
3/8"	3/8"	TF33





#### **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	<i>Nylon</i> Part #	Pkg Qty
1/4"	3/4"	TCF62	50
3/8"	3/4"	TCF63	50
1/2"	3/4"	TCF64	50
5/8"	3/4"	TCF65	50
3/4"	3/4"	TCF66	50





#### 90° Hose Barb Elbow x Male NPT





Hose Size	Male NPT	<i>Nylon</i> Part #	Pkg Qty
	1/8"	TLS21	50
1/4"	1/4"	TLS22	50
	3/8"	TLS23	50
	1/8"	TLS31	50
	1/4"	TLS32	50
3/8"	3/8"	TLS33	50
	1/2"	TLS34	50
	3/4"	TLS36	50
	1/4"	TLS42	50
	3/8"	TLS43	50
1/2"	1/2"	TLS44	50
	3/4"	TLS46	25
	1"	TLS48	25
	3/8"	TLS53	25
5/11	1/2"	TLS54	25
5/8"	3/4"	TLS56	25
	1"	TLS58	25
	3/8"	TLS63	25
0.48	1/2"	TLS64	25
3/4"	3/4"	TLS66	25
	1"	TLS68	15
	3/4"	TLS86	15
1"	1"	TLS88	15

• sold in package quantities only.

#### 90° Hose Barb Elbow x Female NPT



Hose Size	Female NPT	<i>Nylon</i> Part #
1/2"	1/2"	TLFS44
1/2"	3/4"	TLFS64
3/4"	3/4"	TLFS66

#### Hose Barb x 90° Hose Barb Elbow



Hose Size	<i>Nylon</i> Part #	Pkg Qty	<i>Polypropylene</i> Part #	Pkg Qty
1/4"	TLSS22	50	PPLSS22	50
3/8"	TLSS33	50	PPLSS33	50
1/2"	TLSS44	50	PPLSS44	50
3/4"	TLSS66	50	PPLSS66	50

• sold in package quantities only



#### Hose Run x Male NPT Branch Tee

Hose	Male	<i>Nylon</i>	Pkg Qty
Size	NPT	Part #	
1/4"	1/4"	TSST222	50
3/8"	3/8"	TSST333	50
1/2"	1/2"	TSST444	25
3/4"	3/4"	TSST666	25



• sold in package quantities only

#### Hose Run x Hose Branch Tee

Hose Size	<i>Nylon</i> Part #	Pkg Qty
1/4"	TSSS222	50
3/6"	TSSS333	50
1/2"	TSSS444	50
3/4"	TSSS666	25



• sold in package quantities only

#### **Menders**

#### Feature:

• maximum working temperature: 150°F (66°C)

Size	<i>Nylon</i> Part #	Pkg Qty	<i>Polypropylene</i> Part #	Pkg Qty
1/4"	<b>TM2</b> <sup>1</sup>	50	PPM2	50
5/16"	TM25 <sup>1</sup>	50		
3/8"	TM3 <sup>1</sup>	50	PPM3	50
1/2"	TM4 <sup>1</sup>	50	PPM4	50
5/8"	TM5 <sup>1</sup>	50	PPM5	50
3/4"	TM6 <sup>1</sup>	50	PPM6	50
1"	TM8 <sup>1</sup>	25	PPM8	50
11/4"	TM16	50		
1½"	TM21	10		
2"	TM26	20		
4"	TM46	25		
6"	TM66	12		



nylon



polypropylene

• sold in package quantities only



#### **Short Shank Female GHT Couplings**

• shipped with a red vinyl washer (TVW7), replacement washers on page 242





nylon

Hose Shank	Thread Size	<i>Nylon</i> Part #	Polypropylene Part #
1/4"	34" GHT	TCF72	PPCF72
3/8"	34" GHT	TCF73	PPCF73
1/2"	34" GHT	TCF74	PPCF74
5/8"	34" GHT	TCF75	PPCF75
3/4"	¾" GHT	TCF76	PPCF76

#### **Short Shank Male GHT Couplings**



polypropylene



nylon

-	Hose Shank	Thread Size	<i>Nylon</i> Part #	<i>Polypropylene</i> Part #
	1/4"	¾" GHT	TCM72	
	3/8"	¾" GHT	TCM73	PPCM73
	1/2"	¾" GHT	TCM74	PPCM74
	5/8"	¾" GHT	TCM75	PPCM75
	3/4"	¾" GHT	TCM76	PPCM76

#### Male GHT x Female NPT Adapter



polypropylene



nylon

Female NPT	<i>Nylon</i> Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TA792	50	PPA792	50
3/8"	TA793	50		
1/2"	TA794	50	PPA794	50
3/4"	TA796	50	PPA796	25

• sold in package quantities only

#### Female GHT x Male NPT Adapter



Male NPT	<i>Nylon</i> Part #	Pkg Qty
1/4"	TA972	50
3/8"	TA973	50
1/2"	TA974	50
3/4"	TA976	50

• sold in package quantities only

## Tuff-Lite™

## Female GHT x Female NPT Adapter

Female NPT	<i>Nylon</i> Part #	Pkg Qty
1/2"	TA974F	50
3/4"	TA976F	50



• sold in package quantities only

## Male GHT x Male NPT Adapter

Male NPT	<i>Nylon</i> Part #	Pkg Qty	<i>Polypropylene</i> Part #	Pkg Qty
1/4"	TA772	50		
3/8"	TA773	50	PPA773	50
1/2"	TA774	50	PPA774	50
3/4"	TA776	50	PPA776	50
1"	TA778	25		





· sold in package quantities only

### Male GHT x 90° Hose Barb Elbow

Hose Size	<i>Nylon</i> Part #	Pkg Qty
3/8"	TLS37	50
1/2"	TLS47	25
5/8"	TLS57	25
3/4"	TLS67	50



• sold in package quantities only

### **GHT x Male NPT Elbow**

Male NPT	<i>Nylon</i> Part #	Pkg Qty
3/8"	TLT73	25
1/2"	TLT74	25
3/4"	TLT76	25



• sold in package quantities only



# Industrial Hose Fittings

## 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	<i>Nylon</i> Part #	Pkg Qty
1/4"	1/8"	TPN21	50
	1/4"	TPN22	50
	3/8"	TPN23	50
3/8"	1/4"	TPN32	50
	3/8	TPN33	50
	1/2"	TPN34	50
1/2"	3/8"	TPN43	50
	1/2"	TPN44	50
	3/4"	TPN46	50

· sold in package quantities only

# D

### 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	<i>Nylon</i> Part #	Pkg Qty
1/4"	1/4"	TPF22	50
3/8"	1/4"	TPF32	50
/8	3/8"	TPF33	50 50
1/ !!	3/8"	TPF43	50 50
1/2"	1/2"	TPF44	50

· sold in package quantities only

### **Push-On Hose Menders**

### Feature:

• no clamps needed when used with push-on hose



Size	<i>Nylon</i> Part #	Pkg Qty
1/4"	TPM2	50
3/8"	TPM3	50
1/2"	TPM4	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 Part #
10"	FC21210
12"	FC21212 <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> 12" supplied with M20412 lever assist bar found on page 256





### **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 Part #
10"	FC21210ST100
12"	FC21212ST1201

<sup>&</sup>lt;sup>1</sup> 12" supplied with M20412 lever assist bar found on page 256



### Female with 150# ASA Flange

### Feature:

· supplied with gasket

Size	Galvanized Steel Part #
10"	FC22310
12"	FC22312 <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.





# Industrial Hose Fittings



# Type A Male with Hose Shank

Size	Galvanized Steel Part #
10"	MC21110
12"	MC21112

### **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 Part #
10"	MC21110ST100
12"	MC21112ST120



### Male with 150# ASA Flange



Size	Galvanized Steel Part #
10"	MC22210
12"	MC22212

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



## Type A

### Male x Female 90° Elbows

### Feature:

· supplied with gasket

Size	Galvanized Steel Part #
10"	EL21510-90
12"	EL21512-901

<sup>1 12&</sup>quot; supplied with M20412 lever assist bar on page 256



## **Female for Welding to Pipe**

Size	Unplated Steel Part #
10"	20410
12"	20412



### Males with Ring for Welding

Size	Unplated Steel Part #
10"	21010
12"	21012



### **Female Plugs**

### Feature:

• supplied with gasket

Size	Galvanized Steel Part #
10"	FP20910
12"	FP20912 <sup>1</sup>



<sup>&</sup>lt;sup>1</sup> 12" supplied with M20412 lever assist bar on page 256



## Type A

# Industrial Hose Fittings

## Male Plugs with Ring

Size	Galvanized Steel Part #
10"	MP21010
12"	MP21012

### **Gaskets**



Size	<i>Rubber</i> Part #	<i>EPDM</i> Part #
10"	RG20510	RG20610
12"	RG20512	RG20612

### **Lever Assist Bar**



Size	Galvanized Steel Part #
12"	M20412

## **Quick Connect Safety Pin**



12"	SP290
Size	Galvanized Steel Part #



## 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 Part #	
2"	MC3092	
3"	MC3093	
4"	MC3094	
6"	MC3096	
8"	MC3098	
10"	MC30910 <sup>1</sup>	
12"	MC30912 <sup>1</sup>	



<sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 261

### **Male with Male NPT**

Size	Galvanized Steel Part #
2"	MCM3112
3"	MCM3113
4"	MCM3114
6"	MCM3116
8"	MCM3118



### Female x Hose Shank

### Feature:

· supplied with gasket

11	
Size	Galvanized Steel Part #
2"	FC3102
3"	FC3103
4"	FC3104
6"	FC3106
8"	FC3108
10"	FC31010
12"	FC31012



### **Female with Male NPT**

### Feature:

· supplied with gasket

Size	Galvanized Steel Part #
2"	FCM3122
3"	FCM3123
4"	FCM3124
6"	FCM3126
8"	FCM3128





## 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 Part #
2"	MC3092ST25
3"	MC3093ST35
4"	MC3094ST40
6"	MC3096ST60
8"	MC3098ST80

### Male x 150# ASA Flange





Size	Galvanized Steel Part #
4"	MC3134
6"	MC3136
8"	MC3138
10"	MC31310 <sup>1</sup>
12"	MC31312 <sup>1</sup>

- 1 10" and 12" supplied with ACB304 lever assist bar on page 261
- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

### Male Weld-On



Size	Unplated Steel Part #
2"	3032
3"	3033
4"	3034
6"	3036
8"	3038
10"	30310
12"	30312

• female and male fittings are commonly used for butt-welding to pipe

### **Heavy Duty Female x Dixon® Combination Nipple Hose Shank**



Size	Galvanized Steel Part #
2"	FC3102ST25
3"	FC3103ST35
4"	FC3104ST40
6"	FC3106ST60
8"	FC3108ST80

## Type B

## Female x 150# ASA Flange

### Feature:

· supplied with gasket

Size	Galvanized Steel Part #
4"	FC3144
6"	FC3146
8"	FC3148
10"	FC31410
12"	FC31412



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

### **Female Weld-On with Gasket**

### Feature:

· supplied with gasket

Size	<i>Unplated Steel</i> Part #	
2"	3022	
3"	3023	
4"	3024	
6"	3026	
8"	3028	
10"	30210	
12"	30212	



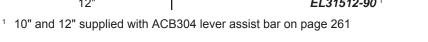


Male x Female 90° Elbow

### Feature:

· supplied with gasket

Galvanized Steel Part #
EL3154-90 EL3156-90 EL3158-90 EL31510-901 EL31512-901



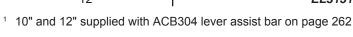


### Male x Female 45° Elbow

### Feature:

· supplied with gasket

Size	Galvanized Steel Part #
4"	EL3154-45
6"	EL3156-45
8"	EL3158-45
10"	EL31510-45 <sup>1</sup>
12"	EL31512-45 <sup>1</sup>







# Industrial Hose Fittings



## Type B

### Female x Male Reducer

### Feature:

supplied with gasket

Female Size	Male Size	Galvanized Steel Part #
6"	4"	FMR31864
8"	6"	FMR31886
10"	8"	FMR318108 <sup>1</sup>
12"	10"	FMR3181210 <sup>1</sup>

<sup>&</sup>lt;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 Part #
4"	6"	FMI31946
6"	8"	FMI31968
8"	10"	FMI319810
10"	12"	FMI3191012

<sup>&</sup>lt;sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 261

### Male with Male NPT- extra long



Size	Galvanized Steel Part #
2"	MCM3112XL
3"	MCM3113XL
4"	MCM3114XL
6"	MCM3116XL
8"	MCM3118XL

### **Male Plugs**



Size	<i>Galvanized Steel</i> Part #
2"	MP3232
3"	MP3233
4"	MP3234
6"	MP3236
8"	MP3238
10"	MP32310 <sup>1</sup>
12"	MP32312 <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> 10" and 12" supplied with ACB304 lever assist bar on page 261



# Industrial Hos Fittings

## Type B

## **Female Plugs**

### Feature:

supplied with gasket

Size	Galvanized Steel Part #
2"	FP3082
3"	FP3083
4"	FP3084
6"	FP3086
8"	FP3088
10"	FP30810
12"	FP30812



## **Lever Rings**

Size	Galvanized Steel Part #	
2"	LR3042	
3"	LR3043	
4"	LR3044	
6"	LR3046	
8"	LR3048	
10"	LR30410	
12"	LR30412	



### **Lever Assist Bar**

Size	Description	Galvanized Steel Part #
10" & 12	lever assist bar for 10" and 12" Type B fittings	ACB304



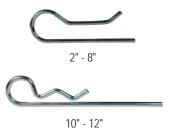
### Gaskets

Size	Rubber Part #	<i>EPDM</i> Part #
2"	RG3052	RG3062
3"	RG3053	RG3063
4"	RG3054	RG3064
6"	RG3056	RG3066
8"	RG3058	RG3068
10"	RG30510	RG30610
12"	RG30512	RG30612



## **Quick Connect Safety Clips**

Size	Galvanized Steel Part #	
2" 3" 4" 6" 8" 10" 12"	SP59 SP76 SP89 SP159 SP159 SP390 SP390	



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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	Hose	e OD	style HS	Master	style HSS	Master
Width	from	to	Part #	Case Qty	Part #	Case Qty
	7/16"	25/32"	HS6	200	HSS6	200
	1/2"	29/32"	HS8	200	HSS8	200
	9/16"	1-1/16"	HS10	500	HSS10	500
	11/16"	1-1/14"	HS12	500	HSS12	500
	13/16"	1-1/2"	HS16	500	HSS16	500
	13/16"	1-3/4"	HS20	500	HSS20	500
	1-1/16"	2"	HS24	500	HSS24	500
1/2"	1-5/16"	2-1/4"	HS28	500	HSS28	500
1/2	1-9/16"	2-1/2"	HS32	500	HSS32	500
	1-13/16"	2-3/4"	HS36	500	HSS36	500
	2-1/16"	3"	HS40	200	HSS40	200
	2-5/16"	3-1/4"	HS44	200	HSS44	200
	2-9/16"	3-1/2"	HS48	200	HSS48	200
	2-13/16"	3-3/4"	HS52	200	HSS52	200
	3-1/16"	4"	HS56	200	HSS56	200
	3-5/16"	4-1/4"	HS60	200	HSS60	200
	3-9/16"	4-1/2"	HS64	200	HSS64	200
	1-7/8"	5"	HS72	100	HSS72	100
	2-1/2"	5-1/2"	HS80	100	HSS80	100
	3-1/8"	6"	HS88	100	HSS88	100
	3-5/8"	6-1/2"	HS96	100	HSS96	100
	4-1/8"	7"	HS104	100	HSS104	100
	5-5/8"	8-1/2"	HS128	100	HSS128	100
9/16"	7-1/8"	10"	HS152	100	HSS152	100
	9-3/8"	12-1/4"	HS188	100	HSS188	100
	10-1/8"	13"	HS200	100	HSS200	100
	10-7/8"	13-3/4"	HS212	100	HSS212	100
	11-5/8"	14-1/2"	HS224	100	HSS224	100
	12-3/8"	15-1/4"	HS236	100	HSS236	100
	13-1/8"	16"	HS248	100	HSS248	100
	17-1/8"	20"	HS312	100	HSS312	100



style HSS

## 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 from	e OD to	style MH Part #	Master Case Qty	style MAH Part #	Master Case Qty
5/16"	7/32" 7/16" 1/2" 9/16" 11/16" 15/16"	5/8" 25/32" 29/32" 1-1/16" 1-1/4" 1-1/2" 1-3/4"	MH4 MH6 MH8 MH10 MH12 MH16 MH20	500 500 200 200 200 200 200	MAH4 MAH6 MAH8 MAH10 MAH12 MAH16 MAH20	500 500 200 200 200 200 200



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 a indication of the working pressure of any hose assembly installed with this clamp.



Style 200:

Style 300:

band and housing: 300 SS

screw: plated carbon steel

- band and housing: 300 SS
- · band and housing: 300 SS
- screw: 410 stainless steel screw: 305 stainless steel



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Band Width	Hose from	e OD to	Style 100 Part #	<i>Style 200</i> Part #	Style 300 Part #	Pkg Qty
9/16"	7/16" 1/2" 9/16" 11/16" 13/16" 13/16" 1-1/16" 1-5/16" 1-13/16" 2-5/16" 2-9/16" 2-1/16" 3-1/16" 3-5/16"	25/32" 29/32" 1-1/16" 1-1/4" 1-1/2" 1-3/4" 2" 2-1/4" 2-1/2" 2-3/4" 3" 3-1/4" 3-1/2" 3-3/4" 4" 4-1/4"	10006 10008 10010 10012 10016 10020 10024 10028 10036 10040 10044 10048 10052 10056	20006 20008 20010 20012 20016 20020 20024 20028 20032 20036 20040 20044 20048 20052 20056 20060	30006 30008 30010 30012 30016 30020 30024 30028 30032 30036 30040 30044 30048 30052 30056 30060	10 10 10 10 10 10 10 10 10 10 10 10 10 1

## Marine Grade Worm Gear Clamps

- 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	Hose Hose	e OD	316 Stainless Steel
Width	from	to	Part #
1/2"	3/8" 7/16" 9/16" 9/16" 11/16" 3/4" 1-1/16" 1-5/16" 1-9/16" 1-13/16" 2-11/16" 2-5/16" 2-9/16" 2-13/16" 3-1/16" 3-1/16" 3-1/2" 4-3/32" 4-1/2" 5"	7/8" 1" 1-1/16" 1-5/16" 1-1/2" 1-3/4" 2" 2-1/4" 2-1/2" 2-3/4" 3" 3-1/4" 3-1/2" 3-3/4" 4" 4-1/2" 5" 5-1/2" 6" 6-1/2" 7"	MGC6 MGC8 MGC10 MGC12 MGC16 MGC20 MGC24 MGC28 MGC32 MGC36 MGC40 MGC44 MGC40 MGC44 MGC48 MGC48 MGC52 MGC56 MGC56 MGC64 MGC72 MGC64 MGC72 MGC80 MGC88 MGC96 MGC96

### Aero-Seal<sup>®</sup> 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	Hose	OD	style DL	Pkg	style DLS	Pkg
Width	from	to	Part #	Qty	Part #	Qty
	7/16"	25/32"	DL9206	10	DLS9406	10
	1/2"	29/32"	DL9208	10	DLS9408	10
	9/16"	1-1/16"	DL9210	10	DLS9410	10
	11/16"	1-1/4"	DL9212	10	DLS9412	10
	13/16"	1-1/2"	DL9216	10	DLS9416	10
	13/16"	1-3/4"	DL9220	10	DLS9420	10
1/2"	1-1/16"	2"	DL9224	10	DLS9424	10
	1-5/16"	2-1/4"	DL9228	10	DLS9428	10
	1-9/16"	2-1/2"	DL9232	10	DLS9432	10
	1-13/16"	2-3/4"	DL9236	10	DLS9436	10
	2-1/16"	3"	DL9240	10	DLS9440	10
	2-5/16"	3-1/4"	DL9244	10	DLS9444	10
	2-9/16"	3-1/2"	DL9248	10	DLS9448	10



style DLS

## 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:

DPL418

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	Hose	OD	Dow't #	Pkg
Width	from	to	Part #	Qty
	1-3/32"	1-5/16"	WSS16	10
	1-1/8"	1-1/2"	WSS19	10
	1-1/8"	1-9/16"	WSS20	10
	1-7/16"	1-11/16"	WSS22	10
	1-1/2"	1-13/16"	WSS24	10
	1-3/4"	2-1/16"	WSS28	10
	1-15/16"	2-5/16"	WSS32	10
	2"	2-7/16"	WSS34	10
	2-1/8"	2-9/16"	WSS36	10
9/16"	2-5/16"	2-13/16"	WSS40	10
	2-1/2"	3-1/16"	WSS44	10
	2-11/16"	3-5/16"	WSS48	10
	2-7/8"	3-9/16"	WSS52	10
	3-1/16"	3-13/16"	WSS56	10
	3-1/4"	4-1/16"	WSS60	10
	3-7/16"	4-5/16"	WSS64	10
	3-3/4"	4-13/16"	WSS72	10
	4-3/16"	5-5/16"	WSS80	10
	4-1/2"	5-13/16"	WSS88	10



# Clamps



## 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.
- ¾" hex, carbon steel screw
- %" wide 300 stainless steel band

Band	Hose	OD	Dort #
Width	from	to	Part #
	1"	1¾"	CT175L
	1½"	2½"	CT200L
	1¾"	25%"	CT250L
	2½"	3½"	CT300L
	2 <sup>3</sup> / <sub>4</sub> "	35/8"	CT350L
	3 <sup>1</sup> / <sub>4</sub> "	41/8"	CT400L
	3 <sup>3</sup> / <sub>4</sub> "	45/8"	CT450L
5/8"	4½"	51/8"	CT500L
	4¾"	55/8"	CT550L
	5½"	61/8"	CT600L
	5 <sup>3</sup> / <sub>4</sub> "	65/8"	CT650L
	6 <sup>1</sup> / <sub>4</sub> "	71/8"	CT700L
	6 <sup>3</sup> / <sub>4</sub> "	75/8"	CT750L
	7½"	8½"	CT800L
	7¾"	8½"	CT850L
	8½"	9½"	CT900L
	8¾"	9½"	CT950L

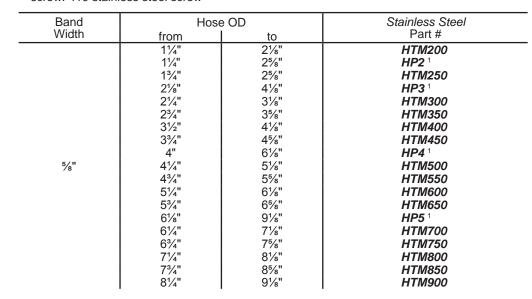
## HTM Hi Torque Worm Gear Clamps

- 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.





- band and housing: 300 series half hard stainless <sup>1</sup>
- screw: 410 stainless steel screw



<sup>&</sup>lt;sup>1</sup> extended hose OD range



style HTM



## 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
- sold in package quantities only

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		<b>C</b> -	v			u		ue		_

Band Width	Clamp ID	Band THK	Stainless Steel Part #	Pkg Qty	Band THK	Galvanized Steel Part #	Pkg Qty
3/11	13/16"	.020"	FS3	100	.025"	F3	100
3/8"	1-3/8"	.020"	FS311	100	.025"	F311	100
	1"	.022"	FS4	100	.025"	F4	100
	1-1/4"	.022"	FS5	100	.025"	F5	100
	1-1/2"	.022"	FS6	100	.031"	F6	100
	1-3/4"	.022"	FS7	100	.031"	F7	100
	2"	.022"	FS8	100	.031"	F8	100
	2-1/4"	.022"	FS9	100	.031"	F9	100
	2-1/2"	.022"	FS10	50	.031"	F10	50
5/11	2-3/4"	.022"	FS11	50	.031"	F11	50
5/8"	3"	.022"	FS12	50	.031"	F12	50
	3-1/2"	.022"	FS14	50	.031"	F14	50
	4"	.022"	FS16	25	.031"	F16	25
	4-1/2"	.022"	FS18	25	.031"	F18	25
	5"	.022"	FS20	25	.031"	F20	25
	6"	.022"	FS24	25	.031"	F24	25
	7"	.022"	FS28	25	.031"	F28	25
	8"	.022"	FS32	25	.031"	F32	25



### **Open End FO Series**

Band Width	Clamp ID	Band THK	Stainless Steel Part #	Pkg Qty	Band THK	Galvanized Steel Part #	Pkg Qty
	13/16"	.020"	FOS3	100	.025"	FO3	100
3/8"	1-3/8"	.020"	FOS311	100	.025"	FO311	100
78	2"	.020"	FOS316	100	.025"	FO316	100
	3-1/8"	.020"	FOS325	100	.025"	FO325	100
	2"	.022"	FOS8	100	.025"	FO8	100
	2-1/2"	.022"	FOS10	50	.025"	FO10	50
	3"	.022"	FOS12	50	.031"	FO12	50
	3-1/2"	.022"	FOS14	50	.031"	FO14	50
	4"	.022"	FOS16	50	.031"	FO16	50
	4-1/2"	.022"	FOS18	50	.031"	FO18	50
5/8"	5"	.022"	FOS20	25	.031"	FO20	25
78	6"	.022"	FOS24	25	.031"	FO24	25
	7"	.022"	FOS28	25	.031"	FO28	25
	8"	.022"	FOS32	25	.031"	FO32	25
	9"	.022"			.031"	FO36	25
	10"	.022"			.031"	FO40	25
	12"	.022"			.031"	FO48	25
	14"	.022"			.031"	FO56	10



# Clamps



### Universal Pre-formed K series

- on stainless clamps, bands are 300 series stainless steel, buckles are 302 series stainless
- can be center punched or rolled over, install with the center punch or roll over tools located on page 271
- Fast-Lok<sup>™</sup> 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 ¾" and ½", S-38 for ¾" and ½", J-102 Pok-It™ for ¾" only.
- Punch-Lok® tools: P-1000 for ¾" and ¾", P-3000 for ¾" only, P-38 for ¾" and ½"
- · sold in package quantities only

Band	Clamp	Band	Stainless Steel	Pkg	Band	Galvanized Steel	Pkg
Width	ID	THK	Part #	Qty	THK	Part #	Qty
3/8"	13/16"	.025"	KS3	100	.025"	<i>K</i> 3	100
/8	1-3/8"	.025"	KS311	100	.025"	K311	100
	1"	.030"	KS4	100	.031"	K4	100
	1-1/4"	.030"	KS5	100	.031"	<i>K</i> 5	100
	1-1/2"	.030"	KS6	100	.031"	K6	100
	1-3/4"	.030"	KS7	100	.031"	K7	100
	2"	.030"	KS8	100	.031"	K8	100
	2-1/4"	.030"	KS9	100	.031"	<b>K</b> 9	100
	2-1/2"	.030"	KS10	50	.031"	K10	50
5/11	2-3/4"	.030"	KS11	50	.031"	K11	50
5/8"	3"	.030"	KS12	50	.031"	K12	50
	3-1/2"	.030"	KS14	50	.031"	K14	50
	4"	.030"	KS16	25	.031"	K16	25
	4-1/2"	.030"	KS18	25	.031"	K18	25
	5"	.030"	KS20	25	.031"	K20	25
	6"	.030"	KS24	25	.031"	K24	25
	7"	.030"	KS28	25	.031"	K28	25
	8"	.030"	KS32	25	.031"	K32	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

	۱				0 1 1 10 1	
Band	Clamp	Band	201 Stainless Steel	Pkg	Galvanized Steel	Pkg
Width	ID	THK	Part #	Qty	Part #	Qty
	13/16"	.025"	JS201	100	JS301	100
3/8"	1"	.025"	JS243	100	JS343	100
78	1-3/8"	.025"	JS202	100	JS302	100
	2"	.025"	JS245	100		
	1"	.030"	JS203	100	JS303	100
1/2"	1-1/4"	.030"	JS204	100	JS304	100
	2-3/4"	.030"	JS230	100	JS330 <sup>1</sup>	100
	1-1/2"	.030"	JS205	100	JS305	100
	1-3/4"	.030"	JS206	100	JS306	100
5/8"	2"	.030"	JS207	100	JS307	100
	2-1/4"	.030"	JS208	100	JS308	100
	2-1/2"	.030"	JS209	100	JS309	100
	2-3/4"	.030"	JS210	50		
	3"	.030"	JS211	50	JS311	50
	3-1/2"	.030"	JS212	50	JS312	50
3/4"	4"	.030"	JS213	25	JS313	25
74	4-1/2"	.030"	JS214	25	JS314	25
	5"	.030"	JS215	25	JS315	25
	6"	.030"	JS216	25		
	7"	.030"	JS218	25		



F

## Dixon® Smooth ID Center Punch Clamps

### Application:

· for use in applications where conditions are highly corrosive

- 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	Clamp	Band	201 Stainless Steel	Pkg
Width	ID	THK	Part #	Qty
	1"	.025"	HBC4S	100
	11/4"	.025"	HBC5S	100
	1½"	.025"	HBC6S	100
	13/4"	.025"	HBC7S	100
	2"	.025"	HBC8S	100
	21/4"	.025"	HBC9S	100
	21/2"	.025"	HBC10S	50
5/8"	23/4"	.025"	HBC11S	50
78	3"	.025"	HBC12S	50
	3½"	.025"	HBC14S	50
	4"	.025"	HBC16S	25
	4½"	.025"	HBC18S	25
	5"	.025"	HBC20S	25
	6"	.025"	HBC24S	25
	7"	.025"	HBC28S	25
	8"	.025"	HBC32S	25

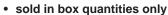


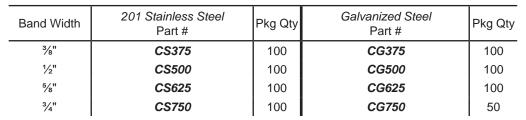
<sup>1</sup> stock quantities only

## Band & Buckles System











### Feature:

• install with C2 or 51960 band clamp tools



Dand Width	Band	Length	201 Stainless Steel	Galvanized Steel
Band Width	Thickness	Lengui	Part #	Part #
3/8"	.025"	100'	SS375	SG375
1/2"	.031"	100'	SS500	SG500
5/8"	.031"	100'	SS625	SG625
3/4"	.031"	100'	SS750	SG750

### 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	Pkg Qty
	Part #	Qty
1/2"	SSB500	25
3/4"	SSB750 <sup>1</sup>	25

<sup>1 3/4&</sup>quot; buckle may be used with 5/8" band

## Stainless Steel Banding with Tote

- · 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 Part #
1/2"	.030"	100'	plastic blue tote	ST204B
5/8"	.030"	100'	plastic green tote	ST205G
3/4"	.030"	100'	plastic red tote	ST206R

## **Band Clamp Hand Tools**

### **Locking Hand Tool**

### Features:

- for application of punch type 3/8" and 5/8" band clamps
- for use with F series only

Part #	



### **Intermediate Hand Tool**

### Feature:

• for application of 3/8" and 5/8" band clamps



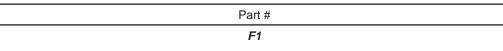
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### Hand Tool for 5/8" Clamps

### Features:

- for application of 5/8" band clamps
- imported

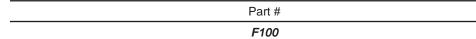




### Hand Tool for 3/8" & 5/8" Clamps

### Features:

- for application of ¾" and ½" band clamps
- Made in the USA

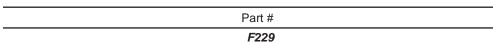




### **Adapter for F100 Tool**

### Feature:

• %" clamp adapter for F100 tool only





## **Band Clamp Punching Mallet**



Part #

F225



## Clamp Cutter

Part #

F550

## Band & 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	Range		Zinc Plated Steel	304 Stainless Steel	Pkg
Size	closed	open	Part #	Part #	Qty
3/8"	.350"	.413"	105	105R	100
7/16"	.382"	.445"	113	113R	100
15/32"	.409"	.484"	123	123R	100
1/2"	.449"	.524"	133	133R	100
35/64"	.469"	.551"	140	140R	100
9/16"	.496"	.571"	145	145R	100
5/8"	.543"	.618"	157	157R	100
11/16"	.595"	.669"	170	170R	100
23/32"	.618"	.728"	185	185R	100
3/4"	.669"	.780"	198	198R	100
13/16"	.717"	.827"	210	210R	100
7/8"	.780"	.890"	226	226R	100
15/16"	.839"	.949"	241	241R	100
1"	.898"	1.008"	256	256R	100
1-1/16"	.945"	1.067"	271	271R	100
1-1/8"	1.004"	1.126"	286	286R	100
1-3/16"	1.063"	1.185"	301	301R	100
1-5/16"	1.181"	1.303"	331	331R	100
1-3/8"	1.240"	1.362"	346	346R	100
1-15/32"	1.358"	1.480"	376	376R	100
1-9/16"	1.437"	1.559"	396	396R	100
1-5/8"	1.492"	1.614"	410	410R	100
1-11/16"	1.551"	1.673"	425	425R	100
1-23/32"	1.610"	1.732"	440	440R	100
1-3/4"	1.669"	1.791"	455	455R	100
1-13/16"	1.728"	1.850"	470	470R	100
1-7/8"	1.787"	1.909"	485	485R	100
1-15/16"	1.847"	1.969"	500	500R	100
2"	1.906"	2.028"	515	515R	100



### **Double Ear**

- 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



# 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



- 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	Range (inches)		304 Stainless Steel	Pky
Size	closed	open	Part #	Qty
9/32"	.228"	.275"	0983	100
3/8"	.307"	.374"	0986	100
7/16"	.378"	.445"	0989	100
1/2"	.425"	.524"	0993	100
35/64"	.453"	.551"	0997	100
9/16"	.472"	.571"	0999	100
5/8"	.520"	.618"	1005	100
11/16"	.571"	.669"	1009	100
3/4"	.654"	.779"	1021	100
13/16"	.701"	.827"	1029	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

	Standard Jaw Clamp Tool	
	Part #	
	1098	
	Side Jaw Clamp Tool	

1099

Part #

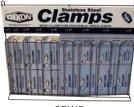
Part # SK1098

## 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	CRWC
without clamps	CR





### 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	Hose	e OD	style LS	Pkg	style LSS	Pkg
Width	from	to	Part #	Qty	Part #	Qty
	1-1/2"	3-1/2"	LS48	10	LSS48	10
	1"	4"	LS56	10		
	2"	5"	LS72	10	LSS72	10
	2-1/16"	6"	LS88	10	LSS88	10
1/6"	3-1/2"	6-9/16"	LS96			
	2-7/8"	7"	LS104	10	LSS104	10
	1-3/4"	8-9/16"	LS128		LSS128	
	2"	10"	LS152			
	2-1/16"	12-5/16"	LS188		LSS188	
	10-3/16"	14"			LSS216	
	1-3/4"	16"			LSS248	
	1-7/8"	20"			LSS312	

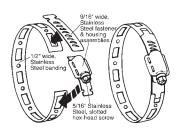


style LSS

## Worm Gear Make-A-Clamp Kits

- · 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 Part #
mini kit: 8½' band, 3 adjustable fasteners, 1 band splice kit with 100' band, 25 adjustable fasteners, 10 band splices kit with 50' band, 10 adjustable fasteners, 5 band splices box with 10 adjustable fasteners: priced per box box with 100' band, 10 band splices box with 50' band, 5 band splices 6" demonstrator kit with clamps box with 10 band splices: priced per box	4000 4001 4002 4004 4005 4006 4007 4008





**T-Bolt Clamps** 

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







style TBC



style STBC

Hose	e OD	style TBC	Hose	e OD	style STBC	Optional
from	to	Part #	from	to	Part #	Qty
1.25"	1.406"	TBC131	1.25"	1.4063"	STBC131	25
1.34"	1.56"	TBC150	1.31"	1.56"	STBC150	25
1.56"	1.81"	TBC175	1.44"	1.69"	STBC163	25
1.69"	1.94"	TBC188	1.56"	1.81"	STBC105	25
1.81"	2.06"	TBC200	1.69"	1.94"	STBC173	25
2.06"	2.31"	TBC225	1.81"	2.06"	STBC200	25
	2.5"	TBC238			STBC200 STBC212	1
2.19"			1.93"	2.18"	STBC212 STBC225	25
2.31"	2.62"	TBC250	2.06"	2.31"		25
2.31"	2.62"	TBC256	2.19"	2.5"	STBC238	25
2.37"	2.68"	TBC263	2.31"	2.62"	STBC250	25
2.50"	2.81"	TBC275	2.31"	2.62"	STBC256	25
2.63"	2.94"	TBC288	2.37"	2.68"	STBC263	25
2.75"	3.06"	TBC300	2.50"	2.81"	STBC275	25
2.88"	3.19"	TBC312	2.63"	2.94"	STBC288	25
3.00"	3.31"	TBC325	2.75"	3.06"	STBC300	25
3.25"	3.56"	TBC350	2.88"	3.19"	STBC312	25
3.50"	3.81"	TBC375	3.00"	3.31"	STBC325	25
3.56"	3.87"	TBC382	3.25"	3.56"	STBC350	25
3.75"	4.06"	TBC400	3.38"	3.69"	STBC362	25
4.00"	4.30"	TBC425	3.50"	3.81"	STBC375	25
4.25"	4.56"	TBC450	3.56"	3.87"	STBC382	25
4.50"	4.81"	TBC475	3.75"	4.06"	STBC400	25
4.75"	5.06"	TBC500	4.00"	4.30"	STBC425	25
5.00"	5.31"	TBC525	4.25"	4.56"	STBC450	25
5.25"	5.56"	TBC550	4.50"	4.81"	STBC475	25
5.50"	5.81"	TBC575	4.75"	5.06"	STBC500	25
5.75"	6.06"	TBC600	5.00"	5.31"	STBC525	25
6.00"	6.31"	TBC625	5.25"	5.56"	STBC550	25
6.25"	6.56"	TBC650	5.50"	5.81"	STBC575	25
6.50"	6.81"	TBC675	5.75"	6.06"	STBC600	25
6.75"	7.06"	TBC700	6.00"	6.31"	STBC625	25
7.25"	7.56"	TBC750	6.25"	6.56"	STBC650	25
	•		6.50"	6.81"	STBC675	25
			6.75"	7.06"	STBC700	25
			7.00"	7.31"	STBC725	25
			7.25"	7.56"	STBC750	25
			7.75"	8.06"	STBC800	25
			8.00"	8.31"	STBC825	25
			8.25"	8.56"	STBC850	25
			8.63"	8.94"	STBC888	25
			8.75"	9.06"	STBC900	25
			9.25"	9.56"	STBC950	25
			9.25 9.75"	10.06"	STBC1000	10
			10.63"	10.00	STBC1000	10
			10.65	12.06"	STBC1200	10
			12.63"	12.00	STBC1200 STBC1288	10
			12.00	12.54	31001200	1 10

## Heavy Duty T-Bolt Clamps

- can be applied with a standard ½" socket wrench.
  ½" 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	style HSTBC
from	to	Part #	Part #
2.125"	2.4375"	HTBC238	HSTBC238
2.250"	2.5625"	HTBC250	HSTBC250
2.750"	3.0625"	HTBC300	HSTBC300
3.250"	3.5625"	HTBC350	HSTBC350
3.750"	4.0625"	HTBC400	HSTBC400
4.250"	4.5625"	HTBC450	HSTBC450
4.750"	5.0625"	HTBC500	HSTBC500
5.250"	5.5625"	HTBC550	HSTBC550
5.750"	6.0625"	HTBC600	HSTBC600
6.250"	6.5625"	HTBC650	HSTBC650
6.750"	7.0625"	HTBC700	HSTBC700
7.250"	7.5625"	HTBC750	HSTBC750
7.750"	8.0625"	HTBC800	HSTBC800
8.266"	8.562"		HSTBC850
8.646"	8.942"		HSTBC888
8.766"	9.062"		HSTBC900
9.266"	9.562"		HSTBC950
9.766"	10.062"		HSTBC1000
10.646"	10.942"		HSTBC1088
12.646"	12.942"		HSTBC1288



style HTBC



# Clamps





- 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



Hose OD		300 series Stainless Steel	Optional
from	to	Part #	Qty
2.80"	3.37"	STBC325L	25
3.05"	3.62"	STBC350L	25
3.37"	3.94"	STBC382L	25
3.55"	4.12"	STBC400L	25
3.75"	4.32"	STBC420L <sup>1</sup>	25
3.87"	4.44"	STBC432L	25
4.05"	4.62"	STBC450L	25
4.37"	4.94"	STBC482L	25
4.55"	5.12"	STBC500L	25
4.87"	5.44"	STBC532L	25
5.05"	5.62"	STBC550L	25
5.37"	5.94"	STBC582L	25
5.55"	6.12"	STBC600L 1	25
5.87"	6.44"	STBC632L	25
6.05"	6.62"	STBC650L	25
6.30"	6.87"	STBC675L	25
6.53"	7.10"	STBC698L	25
6.55"	7.12"	STBC700L 1	25
6.62"	7.19"	STBC707L	25
8.05"	8.62"	STBC850L	25
8.30"	8.87"	STBC875L	25
8.43"	9.00"	STBC888L	25
8.62"	9.19"	STBC907L	25
10.25"	10.82"	STBC1070L	25
10.43"	11.00"	STBC1088L	25
10.62"	11.19"	STBC1107L <sup>1</sup>	25
10.72"	11.29"	STBC1117L	25
12.20"	12.77"	STBC1265L	25
12.43"	13.00"	STBC1288L	25
12.75"	13.32"	STBC1320L	25
14.20"	14.77"	STBC1465L	25
14.43"	15.00"	STBC1488L	25
14.75"	15.32"	STBC1520L	25
16.20"	16.77"	STBC1665L	25
16.43"	17.00"	STBC1688L	25
4 ( ) (2)			

<sup>1</sup> stock quantities only

## E

## **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

2-48/64"

3-4/64"

3-24/64"

3-32/64"

• Consult Dixon® when using double bolt clamps on helical wire hose.

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Hose	OD	Plated Iron	Torque	Optional
from	to	Part #	in ft. lbs.	Qty
1-8/64"	1-12/64"	J48	15	100
1-12/64"	1-24/64"	J49	21	50
1-28/64"	1-34/64"	JX49	21	25
1-40/64"	1-52/64"	DL14	40	25
1-48/64"	2-3/64"	DL20	27	25
2-7/64"	2-19/64"	DL24 <sup>1</sup>	27	25
2-20/64"	2-40/64"	DL321	40	25

DL275

DL306

DL328

DL350



25

20

20

20

40

60

60

60

2-32/64"

2-48/64"

3-4/64"

3-16/64"

## Double Bolt Clamps with Saddles

Hose	OD	Plated Iron	Torque	Optional
from	to	Part #	in ft. lbs.	Qty
3-32/64"	3-52/64"	400	40	25
3-50/64"	4-4/64"	431	40	20
4-2/64"	4-18/64"	463	40	20
4-16/64"	4-60/64"	525	60	10
4-32/64"	5-16/64"	550	60	10
5-8/64"	5-44/64"	600	60	10
5-44/64"	5-60/64"	639	60	10
5-60/64"	6-32/64"	675	60	10
6-32/64"	7-36/64"	769	60	10
7-44/64"	8-12/64"	818	125	5
8-16/64"	8-56/64"	875	125	5
8-60/64"	9-56/64"	988	125	5
9-60/64"	11-24/64"	1125	125	5
11-12/64"	13"	1275	125	3
12-12/64"	14"	1360	200	2
13-12/64"	15"	1450	200	2
15-4/64"	17-32/64"	1700	260	2



nps

<sup>&</sup>lt;sup>1</sup> investment cast carbon steel

# E

## 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.







Hos	se OD	Plated Iron	Torque
from	to	Part #	in ft. lbs.
56/64"	1"	2	6
62/64"	1-8/64"	3	6
1-4/64"	1-12/64"	4	6
1-10/64"	1-16/64"	5	6
1-16/64"	1-24/64"	6	6
1-22/64"	1-28/64"	7	6
1-28/64"	1-36/64"	8	6
1-42/64"	1-48/64"	10	6
1-48/64"	1-56/64"	11	6
1-56/64"	2-2/64"	12	6
2"	2-8/64"	13	12
2-8/64"	2-18/64"	14	12
2-16/64"	2-26/64"	15	12
2-24/64"	2-32/64"	16	12
2-32/64"	2-40/64"	17	12
2-40/64"	2-56/64"	18	12
2-56/64"	3-4/64"	19	12
3-4/64"	3-16/64"	20	12
3-16/64"	3-28/64"	21	12
3-28/64"	3-40/64"	22	21
3-40/64"	3-52/64"	23	21
3-52/64"	4-8/64"	24	21
4-8/64"	4-20/64"	25	21
4-16/64"	4-32/64"	26	21
4-28/64"	4-40/64"	27	21
4-40/64"	4-56/64"	X27	21
4-56/64"	5-16/64"	28	21

Ε

## Spiral Clamps

### Features:

- more than one clamp may be needed per size, contact the hose manufacturer for more
- 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.

### Clockwise

Size	Hose	e OD	Plated Steel, Right Hand
Size	from	to	Part #
1½"	1-34/64"	1-52/64"	SC150
2"	2-18/64"	2-32/64"	SC200
2½" 3"	2-46/64" 3"	3-8/64"	SC250
3	4"	3-32/64"	SC300
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		e OD	Plated Steel, Left Hand Part #
	from	to	Part#
1½"	1-34/64"	1-52/64"	SCCW150
2"	2-18/64"	2-32/64"	SCCW200
21/2"	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



gs	Universal Couplings Air King™		283	to	284
	Global Air King™		285	to	286
王	Air King™ with ferrule				287
Ш	Air King <sup>™</sup> with gauge port				287
	Air King™ universal swivels				
_	Global Air King™ ferrules				
	Air King™ clamps				
	Air King™ accessories				
	Sand Blast				
屲	Surelock <sup>TM</sup>				
	Curolook		201		202
	Quick Disconnects	203	to	3	27
	Dix-Lock™ N-Series				
	Dual-Lock™ P-Series				
	Air Chief industrial				
	Dixon® key chain				
	Air Chief semi-auto				
	Air Chief automatic				
	Parker E-z-mate				
	Legris automatic safety couplers				
	Air Chief automotive				
	Air Chief ARO interchange		308	to	309
	Air Chief Lincoln interchange				310
	DF-series		311	to	315
_	J-series		316	to	317
_	M-series		318	to	319
	CJ-series				320
	SHD-series		32	1,	322
	L-series				
	U-series				
	NK-series				
	BR-series				
	A-series				
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	Steel 3500 nipples			3	28
	Bent Stem Swivels			3	29
	D.O.T Air Brake	33∪	to	2	11
	D.O.T. push-in fittings				
	Connectors				330
	Mala alla acce				222
	Male elbows				
	Tees				331
	TeesLegris D.O.T. push-in fittings		332	 to	331 335
	Tees Legris D.O.T. push-in fittings Connectors		332	 to	331 335 332
	Tees Legris D.O.T. push-in fittings Connectors Unions		332	to	331 335 332 333
	Tees Legris D.O.T. push-in fittings Connectors		332	to	331 335 332 333
	Tees Legris D.O.T. push-in fittings Connectors Unions Elbows Reducers		332	 to  to	331 335 332 333 334 334
	Tees Legris D.O.T. push-in fittings Connectors Unions		332	 to  to	331 335 332 333 334 334
	Tees Legris D.O.T. push-in fittings Connectors Unions Elbows Reducers		332	to to to	331 335 332 333 334 334 335
	Tees		332 333 333 334 336	to to to to to	331 335 332 333 334 334 335 341
	Tees Legris D.O.T. push-in fittings Connectors Unions Elbows Reducers Tees Air brake		332 333 334 336	to to to to to	331 335 332 333 334 334 335 341 336
	Tees Legris D.O.T. push-in fittings Connectors Unions Elbows Reducers Tees Air brake Connectors		332 333 334 336	to to to to	331 335 332 333 334 335 341 336 337
	Tees Legris D.O.T. push-in fittings Connectors Unions Elbows Reducers Tees Air brake Connectors Unions		332 333 334 336 337	to to to to to to	331 335 332 333 334 335 341 336 337 338
	Tees		332 333 334 336 337	to to to to to to to	331 335 332 334 334 335 341 336 337 338 339

Push-in				
Brass connectors				
Unions			3	43
Elbows		34	3, 3	44
Tees		34	4, 3	45
Stainless steel Legris		346	to 3	47
Connectors			3	46
Unions & elbows		34	6, 3	47
Tees			3	47
Nickel-plated brass Legris		348	to 3	49
Connectors			3	48
Unions			3	48
Elbows			3	49
Tees			3	49
Nylon / Nickel-plated brass Legris	350	to 35	2, 3	52
Connectors			3	5(
Elbows				
Tees				
Wyes			3	52
Nylon Legris				
Unions			3	53
Plugs				
Tees			3	53
Wyes			3	53
Manifold, Legris				
Fittings kit			3	54
Fitting kit, Legris			3	54
Valves		355	to 3	57
Ball			3	55
Quick exhaust			3	55
Flow control		35	5, 3	56
Check				
Metric		358	to 3	6(
Connectors	35	8, 35	9, 3	6(
Elbows		35	8, 3	6(
Tees		35	9, 3	6(
Unions		35	9, 3	6(
Plugs			3	60

## **AWARNING**

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.

## Air King™

## **AWARNING**

The use of an Air King<sup>™</sup> safety clip or wire type retainer is necessary to ensure Air King<sup>™</sup> 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<sup>™</sup> safety clip or wire type retainer is required for each Air King<sup>™</sup> universal coupling.

### Features:

- can be used with Air King<sup>™</sup> 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	<i>Iron</i> Part #	Optional Qty	<i>Bra</i> ss Part #	Optional Qty	316 Stainless Steel Part #
3/8"	AMH 1	25	ABH	25	RAMH
1/2"	AM1	50	AB1 <sup>1</sup>	50	RAM1
5/8"	AM5	50	AB5	50	
3/4"	AM6	50	AB6 <sup>1</sup>	50	RAM6
1"	AM11	50	AB11 <sup>1</sup>	50	RAM11



### 2-Lug Male NPT Ends

Size	<i>Iron</i> Part #	Optional Qty	<i>Brass</i> Part #	Optional Qty	316 Stainless Steel Part #
1/4"	AMB1	25	ABB1	25	
3/8"	AMB	25	ABB	25	RAMB
1/2"	AM2	50	AB2 <sup>1</sup>	50	RAM2
3/4"	AM7	50	<b>AB7</b> <sup>1</sup>	50	RAM7
1"	AM12	50	AB12 <sup>1</sup>	50	RAM12



### 2-Lug Female NPT Ends

Size	<i>Iron</i>	Optional	<i>Bra</i> ss	Optional	316 Stainless Steel
	Part #	Qty	Part #	Qty	Part #
1/4"	AMC1	25	ABC1	25	
3/8"	AMC	25	ABC	25	RAMC
1/2"	AM3	50	AB3 <sup>1</sup>	50	RAM3
³⁄₄"	AM8	50	AB8 <sup>1</sup>	50	RAM8
1"	AM13	50	AB13 <sup>1</sup>	50	RAM13



Air King<sup>™</sup> is for air and water service only Warning: Never use any Air King<sup>™</sup> coupling for steam service! None of Dixon<sup>®</sup>'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



<sup>&</sup>lt;sup>1</sup> global investment cast

## Air King™



### 2-Lug Blank Ends

<i>Iron</i>	Optional	<i>Brass</i>	Optional	316 Stainless Steel
Part #	Qty	Part #	Qty	Part #
AMO	25	AB0 <sup>1</sup>	25	RAM0

### 2-Lug Triple Connections



<i>Iron</i>	Optional	<i>Brass</i>	Optional
Part #	Qty	Part #	Qty
AM10	25	AB10 <sup>1</sup>	25

<sup>&</sup>lt;sup>1</sup> global investment cast

## 4-Lug Hose Ends



Size	<i>Iron</i> Part #	<i>Brass</i> Part #	Optional Qty
11/4"	AM16	AB16 <sup>1</sup>	25
11/2"	AM21	<b>AB21</b> 1	25
2"	AM26	AB26	10

<sup>1</sup> item will be discontinued when stock is depleted

## 4-Lug Female NPT Ends



Size	<i>Iron</i> Part #	<i>Brass</i> Part #	Optional Qty
11/4"	AM18	AB18 <sup>1</sup>	25
1½"	AM23	AB23 <sup>1</sup>	25
2"	AM28	AB28	10

<sup>1</sup> item will be discontinued when stock is depleted

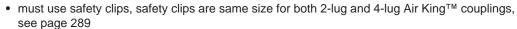
Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



## Global Air King™

### Features:

- supplied with safety clip and rubber washers
- pressure rating: 150 PSI at ambient temperature 70°F (21°C)
- use with Boss<sup>™</sup> clamps, see pages 75 to 76
- not to be used for steam service



2-Lug	Hose	<b>Ends</b>
-------	------	-------------

Size	Plated Steel Part #	Pkg Qty
1/2"	GAM1	25
3/4"	GAM6	50
1"	GAM11	50



## 2-Lug Male NPT Ends

Size	Plated Steel Part #	Pkg Qty
1/2"	GAM2	25
3/4"	GAM7	50
1"	GAM12	50



## 2-Lug Female NPT Ends

Size	Plated Steel Part #	Optional Qty
1/2"	GAM3	25
3/4"	GAM8	50
1"	GAM13	50



### 2-Lug Blank End

Plated Steel	Optional
Part #	Qty
GAM0	25



### 2-Lug Triple Connection

Plated Steel	Optional
Part #	Qty
GAM10	25



Air King<sup>TM</sup> is for air and water service only Warning: Never use any Air King<sup>TM</sup> coupling for steam service! None of Dixon<sup>®</sup>'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 Part #	Optional Qty
11/4"	GAM16	25
11/2"	GAM21	25
2"	GAM26	10

## 4-Lug Female NPT Ends



Size	Plated Steel Part #	Optional Qty
11/4"	GAM18	25
11/2"	GAM23	25
2"	GAM28	20

F

# Pneumatic Fittings

# 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
- · for air and water service only

Size	Hose OD		Iron	316 Stainless Steel	
Size	From	To	Part #	Part #	
1/2"	54/64"	1-2/64"	AM1WF	RAM1WF	
3/4"	1-4/64"	1-22/64"	AM6WF	RAM6WF	
1"	1-18/64"	1-34/64"	AM11WF-1		
1"	1-30/64"	1-46/64"	AM11WF		
2"	2-28/64"	2-40/64"	AM26WF		



## Air King™ with Gauge Port

#### Features:

- drilled with 1/4" NPT port for mounting a gauge
- · gauge sold separately

Size	<i>Iron</i> Part #	316 Stainless Steel Part #	
3/4"	AM7T	RAM7T	



# 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	<i>Iron</i> Part #
3/4"	AM6SWIV



#### **Swivel Male NPT Ends**

Size	<i>Iron</i> Part #
1/2"	AM2SWIV
3/4"	AM7SWIV



#### **Swivel Female NPT End**

Size	<i>Iron</i> Part #
3/4"	AM8SWIV



Air King<sup>™</sup> is for air and water service only Warning: Never use any Air King<sup>™</sup> coupling for steam service! None of Dixon<sup>®</sup>'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:

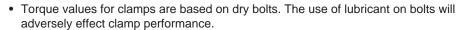
- low profile streamline appearance with maximum retention
- lightweight
- can be crimped
- designed for use with global Air King™ fittings on pages 283 to 284
- reference dixonvalve.com for crimp recommendations and ferrule OD ranges



Size	Ferrule ID	Plated Steel Part #
1/2"	0.906"	CCF0906
	1.120"	CCF1120
	1.149"	CCF1149
3/4"	1.190"	CCF1190
	1.218"	CCF1218
	1.246"	CCF1246
	1.438"	CCF1438
1"	1.469"	CCF1469
ı	1.500"	CCF1500
	1.531"	CCF1531

## Air King™ Clamps

#### Features:





for use with Air King<sup>™</sup> ends on page 283 to 284



Hose	Hose	OD	Plated Iron	Torque	Optional
ID	from	to	Part #	ft. lbs.	Qty
1/2"	1"	1-12/64"	A4	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> 1, 2	21	50
1"	1-32/64"	1-52/64"	A14	21	50

<sup>1</sup> can be used with AM6 and AM11

<sup>&</sup>lt;sup>2</sup> global investment cast carbon steel

## Air King™ Accessories

#### 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<sup>™</sup> safety clip or wire type retainer is required for each Air King<sup>™</sup> 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	AC1	25



#### Safety Pins

#### Feature:

heavy duty, oversized

Wire Diameter	Part #
.058	AKSP1
.091	AKSP25



#### Synthetic Lanyard

#### Features:

- · synthetic cord
- · same size for all coupling sizes

Part #	Pkg Qty
ACL8	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
rubber	2 lug	AWR4 <sup>1</sup>	50
neoprene	2 lug	AWS6	50





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 #
rubber	4 lug	AWR14



## Sand Blast Couplings

#### Features:

- · designed for use on sand blast hose
- supplied with screws
- nozzle holders have 11/4" 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	<i>Brass</i> Part #	<i>Aluminum</i> Part #
3/4"	1-1/2"	BSB75	ASB75
1"	1-7/8"	BSB100	ASB100
11/4"	2-5/32"	BSB125	ASB125
11/2"	2-3/8"	BSB150	ASB150

#### **Nozzle Holders**



Hose Size	Hose OD	<i>Brass</i> Part #	<i>Aluminum</i> Part #
3/4"	1-1/2"	BNH75	ANH75
1"	1-7/8"	BNH100	ANH100
11/4"	2-5/32"	BNH125	ANH125
1½"	2-3/8"	BNH150	ANH150

#### **Female Threaded Ends**



Hose Size	<i>Brass</i> Part #	<i>Aluminum</i> Part #
11/4"	BSC125	ASC125
1½"	BSC150	ASC150

· does not include screws

## **Replacement Parts**



black nitrile



urethane

Description	Part #
black nitrile replacement gasket urethane replacement gasket replacement screws for sand blast couplings (sold in package quantity of 8 only)	SBG USBG SBCS

## 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
	3/8"	SL038H	50
om all	1/2"	SL050H	50
small	3/4"	SL075H	50
	1"	SL100H	50
medium	1½"	SL150H	15
	2"	SL200H	10



#### **Male NPT Ends**

Head	Size	Part#	Optional Qty
	3/8"	SL038M	50
amall	1/2"	SL050M	50
small	3/4"	SL075M	50
	1"	SL100M	50
no o aliceno	1½"	SL150M	15
medium	2"	SL200M	15



#### **Female NPT Ends**

Head	Size	Part#	Optional Qty
	3/8"	SL038F	50
a a II	1/2"	SL050F	50
small	3/4"	SL075F	50
	1"	SL100F	50
	1½"	SL150F	15
medium	2"	SL200F	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 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		Dort #	
Head	Size	From	То	Part #	
	1/2"	1/2"	1-1/32"	SL050CR	
small	3/4"	3/4"	1-11/32"	SL075CR	
	1"	1"	1-23/32"	SL100CR	



F

small blank end



medium blank end 1

# Surelock™ Couplings

#### **Blank Ends**

Head	Size	Part #	Optional Qty
small	½" to 1"	SL00	15
medium	1½" to 2"	SL01	3

<sup>&</sup>lt;sup>1</sup> medium blank end comes with 1" NPT pipe plug

#### **Three Way Connectors**



small three way connector



medium three way connector 1

Head	Size	Part #	Optional Qty
small	½" to 1"	SL09	15
medium	1½" to 2"	SL10	3

<sup>&</sup>lt;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.

7	
	1

Part #	Optional Qty
SLP1	25

#### **Replacement Seals**

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medium

Head	Size	Part #
small	½" to 1"	SLR1
medium	1½" to 2"	SLR2

## 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	<i>Bi</i> Previous Part #	ass Part #	Ste Previous Part #		303 Stain Previous Part #	less Steel Part #	316 Stainless Steel Part #
	%"-18 NPTF	QB101	4NF3-B	QM101	4NF3			
	%"-19 BSPP				4NBF3			
	1/2"-14 NPTF	QB102	4NF4-B	QM102	4NF4			
1/2"	1/2"-14 BSPP		4NBF4-B		4NBF4			
/2	3/4"-14 NPTF	QB103	4NF6-B	QM103	4NF6	QSS103	4NF6-S	4NF6-SS
	3/4"-14 BSPP		4NBF6-B		4NBF6			
	1"-11½ NPTF	QB105	4NF8-B	QM105	4NF8			4NF8-SSNEW
	1"-11 BSPP		4NBF8-B		4NBF8			





steel



303/316 stainless

#### Male Head x Female Threaded End Plugs

Body		Br	ass	Ste			nless Steel	316 Stainless Steel
Size	i inraade	Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	Part #
	%"-18 NPTF	QB81	N4F3-B	QM81	N4F3			
	%"-19 BSPP				N4BF3			
	1/2"-14 NPTF	QB82	N4F4-B	QM82	N4F4			
1/2"	1½"-14 BSPP		N4BF4-B		N4BF4			TEIN
/2	3/4"-14 NPTF	QB83	N4F6-B	QM83	N4F6	QSS83	N4F6-S	N4F6-SSNEW
	3/4"-14 BSPP		N4BF6-B		N4BF6			
	1"-11½ NPTF	QB85	N4F8-B	QM85	N4F8			N4F8-SSNEW
	1"-11 BSPP		N4BF8-B		N4BF8			





steel



303/316 stainless

#### Male Head x Female Threaded End Safety Lock Plugs

-	Body Size	Threads	<i>Brass</i> Part #
•	1/2"	½" - 14 NPTF ¾" - 14 NPTF	N4F4-B-LS N4F6-B-LS



# Dix-Lock™ N-Series Interchange Pneumatic Couplings

## Female Head x Male Threaded End Couplers









303/316 stainless

Body		1	rass		eel	303 Stail	nless Steel	316 Stainless Steel
Size	i inteads i	Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	Part #
3/8"	½" - 14 NPTF			QM60	3NM4			
78	½" - 14 BSPT				3NBM4			
	%" - 18 NPTF	QB61	4NM3-B	QM61	4NM3			
	%" - 19 BSPT				4NBM3			
	½" - 14 NPTF	QB62	4NM4-B	QM62	4NM4			
1/2"	1/2" - 14 BSPT		4NBM4-B		4NBM4			VEAA
/2	34" - 14 NPTF	QB63	4NM6-B	QM63	4NM6	QSS63	4NM6-S	4NM6-SS
	34" - 14 BSPT		4NBM6-B		4NBM6			EW
	1" -11½ NPTF	QB65	4NM8-B	QM65	4NM8			4NM8-SS
	1" - 11 BSPT		4NBM8-B		4NBM8			

## Male Head x Male Threaded End Plugs







303/316 stainless

Body		I .	rass		eel	303 Stail	nless Steel	316 Stainless Steel
Size	i inraane	Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	Part #
3/8"	½"-14 NPTF			QM40	N3M4			
/8 	1/2"-14 BSPT				N3BM4			
	%"-18 NPTF	QB41	N4M3-B	QM41	N4M3			
	%"-19 BSPT				N4BM3			
	1/2"-14 NPTF	QB42	N4M4-B	QM42	N4M4			
1/2"	1/2"-14 BSPT		N4BM4-B		N4BM4			EW
/2	3/4"-14 NPTF	QB43	N4M6-B	QM43	N4M6	QSS43	N4M6-S	N4M6-SS
	34"-14 BSPT		N4BM6-B		N4BM6			EW
	1"-11½ NPTF	QB45	N4M8-B	QM45	N4M8			N4M8-SS
	1"-11 BSPT		N4BM8-B		N4BM8			

#### Male Head x Male Threaded Safety Lock End Plugs







303 stainless

Bod	,	Brass			Steel	303 Stainless Steel
Size	Threads	Previous Part #	Part #	Previous Part #	Part #	Part #
	½"-14 NPTF	QB66	N4M4-B-LS	QM66	N4M4-LS	
1/11	1/2"-14 BSPT				N4BM4-LS	
1/2"	3/4"-14 NPTF	QB88	N4M6-B-LS	QM88	N4M6-LS	N4M6-S-LS
	3/4"-14 BSPT				N4BM6-LS	

#### Female Head x Standard Hose Barb Couplers







Body		Brass		Ste	eel	303 Stainless Steel		316 Stainless Steel
Body Size	Hose ID	Previous	Part #	Previous	Part #	Previous	Part #	Part #
3126		Part #	r art #	Part #	l all#	Part #	r art #	r art #
3/8"	1/2"			QM20	3NCS4			
	3/8"	QB21	4NS3-B	QM21	4NS3			
1/2"	1/2"	QB22	4NS4-B	QM22	4NS4			
/2	3/4"	QB23	4NS6-B	QM23	4NS6	QSS23	4NS6-S	4NS6-SS
	1"	QB25	4NS8-B	QM25	4NS8		4NS8-S	4NS8-SS

# Pneumatic Fittings

# Dix-Lock™ N-Series Interchange Pneumatic Couplings

## Male End x Hose Barb Plugs

Body		Brass		Ste	Steel		less Steel	316 Stainless Steel
Size	Hose ID	Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	Part #
3/8"	1/2"				N3CS4			
	3/8"	QB2	N4S3-B	QM2	N4S3			
1/11	1/2"	QB3	N4S4-B	QM3	N4S4			
1/2"	3/4"	QB4	N4S6-B	QM4	N4S6	QSS4	N4S6-S	N4S6-SS
	1"	QB5	N4S8-B	QM5	N4S8		N4S8-S	N4S8-SS





303/316 stainless

## Male End x Hose Barb Safety Lock Plugs

Body		Brass Previous Part #			Steel	303 Stainless Steel
Size	Hose ID	Previous Part #	Part #	Previous Part #	Part #	Part #
1/2"	1/2"	QB33	N4S4-B-LS	QM33	N4S4-LS	
/2	3/4"	QB44	N4S6-B-LS	QM44	N4S6-LS	N4S6-S-LS



303 stainless

## **Gender Change Union**

Body		Steel			
Size	Configuration	Previous Part #	Part #		
1/2"	coupler to coupler	QM0	4N4N		



#### Caps

Body			Brass	Steel	
Size	Cap Lanyard	Previous Part #	Part #	Previous Part #	Part #
1/2"	steel cable	QBCAP	N4DC-B	QMCAP	N4DC



#### Seals

Body	Nitrile		FKM	
Size	Coupler Style	Previous Part #	Part #	Part #
3/8"	all	QBM1	3N-SKIT	
1/2"	all	QBM2	4N-SKIT	F-4N-SKIT





## 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
- 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 Hose		Hose OD		Plated Steel		Brass	
Size	ID	From:	To:	Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	54/64"	1-2/64"	QM22WF	4NS4-WF	QB22WF	4NS4-B-WF
/2	3/4"	1-10/64"	1-22/64"	QM23WF	4NS6-WF	QB23WF	4NS6-B-WF

#### Male Head with Ferrule



Body	Hose	Hose	e OD	Plated Steel			Brass	
Size	ID	From:	To:	Previous Part #	Part #	Previous Part #	Part #	
1/2"	1/2"	54/64"	1-2/64"	QM3WF	N4S4-WF	QB3WF	N4S4-B-WF	
/2	3/4"	1-10/64"	1-22/64"	QM4WF	N4S6-WF	QB4WF	N4S6-B-WF	

#### Male Locking Head with Ferrule



Body	Hose	Hose OD		Plated Steel		Brass	
Size	ID	From:	То:	Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	54/64"	1-2/64"	QM33WF	N4S4-LS-WF	QB33WF	N4S4-B-LS-WF
/2	3/4"	1-10/64"	1-22/64"	QM44WF	N4S6-LS-WF	QB44WF	N4S6-B-LS-WF

## 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 Thursday		Brass		Steel	303 Si	tainless Steel
Size	Threads	Part #	Previous Part #	Part #	Previous Part #	Part #
1/2"	½" - 14 NPTF ¾" - 14 NPTF		PFL8 PFL12	4PF4 4PF6	PFL12SS	 4PF6-S







303 stainless

#### **Female Thread Plugs**

Body		Brass			Steel		303 Stainless Steel	
Size	Threads	Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	
	3/4"-18 NPTF			PF6	P4F3			
	1/2"-14 NPTF	PFB8	P4F4-B	PF8	P4F4			
1/2"	34"-14 NPTF	PFB12	P4F6-B	PF12	P4F6	PF12SS	P4F6-S	
	34"-14 NPTF				P4F6-91			
	11"-111% NPTF	PFB16	P4F8-B	PF16	P4F8			

<sup>1</sup> steel/PTFE coating





steel



303 stainless

#### **Male Thread Couplers**

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Body			Steel	303 Stainless Steel		
Size	Threads	Previous Part #	Part #	Previous Part #	Part #	
	%"-18 NPTF	PML6	4PM3			
	½"-14 NPTF	PML8	4PM4			
1/2"	3/4"-14 NPTF	PML12	4PM6	PML12SS	4PM6-S	
İ	3/4"-14 NPTF		4PM6-9 1			
	1"-11½ NPTF		4PM8			

<sup>1</sup> steel/PTFE coating



steel



303 stainless



# Dual-Lock™ P-Series Pneumatic Couplings

#### **Male Thread Plugs**









303 stainless

Body		Brass		Steel		303 Stainless Steel	
Size		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #
	%"-18 NPTF			PM6	P4M3		
	1/2"-14 NPTF	PMB8	P4M4-B	PM8	P4M4		
1/2"	34"-14 NPTF	PMB12	P4M6-B	PM12	P4M6	PM12SS	P4M6-S
	3/4"-14 NPTF				P4M6-91		
	1"-11½ NPTF	PMB16	P4M8-B	PM16	P4M8		

<sup>1</sup> steel/PTFE coating

#### **Hose Barb Couplers**







steel



303 stainless

Bod	V	Brass			Steel	303 Stainless Steel	
Size		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #
	3/8"			PHL6	4PS3		
	1/2"		4PS4-B	PHL8	4PS4		
1/2"	3/4"	PHLB12	4PS6-B	PHL12	4PS6	PHL12SS	4PS6-S
	3/4"			<b> </b>	4PS6-9 <sup>1</sup>		
	1"	PHLB16	4PS8-B	PHL16	4PS8		

<sup>1</sup> steel/PTFE coating

#### **Hose Barb Coupler with Knurled Flanged Sleeves**

• large, raised collar sleeve permits easier handling when wearing gloves



		Triva	lent Chrome Plated Steel
Body Size	Hose ID	Previous Part #	Part #
1/,"	3/8" 1/"	PHL6FS PHL8FS	4PS3-FS 4PS4-FS
	3/4"	PHL12FS	4PS6-FS

#### Male Thread Coupler with Knurled Flanged Sleeves



		Trival	lent Chrome Plated Steel
Body Size	Threads	Previous Part #	Part #
1/2"	%"-18 NPTF ½"-14 NPTF ¾"-14 NPTF	PML6FS PML8FS PML12FS	4PM3-FS 4PM4-FS 4PM6-FS

#### Female Thread Couplers with Knurled Flanged Sleeves



		Triva	ent Chrome Plated Steel
Body Size	Threads	Previous Part #	Part #
1/2"	½"-14 NPTF ¾"-14 NPTF	PFL8FS PFL12FS	4PF4-FS 4PF6-FS

# F

## 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
- 3/4" and 1" sizes available upon request, contact Dixon®

#### Materials:

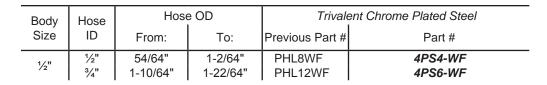
- machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock
- stainless steel retaining ring and spring maximize corrosion resistance and extend service life
- steel componentry is plated using ROHS Compliant Trivalent Chrome
- steel couplings have a zinc cast sleeve

#### Interchange Data:

- Thor Finger-Lock Interchange
- Interchanges with Thor PHC-Series, National Series 'A', and Campbell Double-Lock



• Nitrile (Buna-N) seals standard, temperature range -40°F to 250°F (-40°C to 121°C)





## Dual-Lock™ P-Series Pneumatic Couplings

#### **Replacement Seals**

Body	Coupler	Nitrile		FKM
Size	Style	Part #	Previous Part #	Part #
1/2"	all	4P-SKIT	452963	F-4P-SKIT



#### **Locking Key**

Body	Coupler		Steel
Size	Style	Previous Part #	Part #
1/2"	all	855231	4P-CLIP



· fits couplings with locking sleeve

F

#### 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 at 100 PSI	Steel Part #
	1/8"	37 CFM	DCP2021
1/4"	1/4"	37 CFM	DCP20
	3/8"	37 CFM	DCP2023
	1/4"	70 CFM	DCP2622
3/8"	3/8"	70 CFM	DCP26
	1/2"	70 CFM	DCP2624
	3/8"	150 CFM	DCP1823
1/2"	1/2"	150 CFM	DCP18
	3/4"	150 CFM	DCP1826
	1/2"	200 CFM	DCP7024
3/4"	3/4"	200 CFM	DCP7026
	1"	200 CFM	DCP7028

## **Male Threaded Plugs**



Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
	1/8"	37 CFM	DCP2101
1/4"	1/4"	37 CFM	DCP21
	3/8"	37 CFM	DCP2103
	1/4"	70 CFM	DCP2502
3/8"	3/8"	70 CFM	DCP25
	1/2"	70 CFM	DCP2504
	3/8"	150 CFM	DCP1703
1/2"	1/2"	150 CFM	DCP17
	3/4"	150 CFM	DCP1706
	1/2"	200 CFM	DCP7104
3/4"	3/4"	200 CFM	DCP7106
	1"	200 CFM	DCP7108

#### 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	<i>Steel</i> Part #
1/4"	5/16"	37 CFM	DCP2143
	3/8"	37 CFM	DCP2144
3/8"	1/2"	70 CFM	DCP2545
1/2"	3/4"	150 CFM	DCP1746
	1/2"	200 CFM	DCP7145
3/4"	3/4"	200 CFM	DCP7146
	1"	200 CFM	DCP7148



DCP7145

#### **Push-On Hose Barb Plugs**

Body	Hose ID	Flow Rating	Steel
Size		at 100 PSI	Part #
1/4"	3/8"	37 CFM	DCP2144L
3/8"	1/4"	70 CFM	DCP2542L





# **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"	DCP21SWIV



## Dixon® Keychain

#### Feature:

· halves separate like a coupler and plug



DKC1

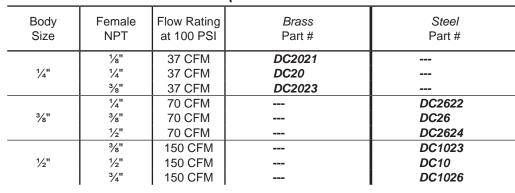


- · couplers shut-off when disconnected
- couplers are semi-automatic
- pressure rating: 300 PSI
- temperature range: -40°F to 250°F (-40°C to 121°C)
- interchanges with many other manufacturer's designs
- interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- for air service only



#### Semi-Automatic

#### **Female Threaded Couplers**





## Male Threaded Couplers

	male Threaded Oddpiers					
•	Body Size	Male NPT	Flow Rating at 100 PSI	<i>Brass</i> Part #	Steel Part #	
		1/8"	37 CFM	DC2101		
	1/4"	1/4"	37 CFM	DC21		
		3/8"	37 CFM	DC2103		
		1/4"	70 CFM		DC2502	
	3/8"	3/8"	70 CFM		DC25	
		1/2"	70 CFM		DC2504	
		3/8"	150 CFM		DC903	
	1/2"	1/2"	150 CFM		DC9	
		3/4"	150 CFM		DC906	



#### **Standard Hose Barb Couplers**

Body Size	Hose ID	Flow Rating at 100 PSI	<i>Brass</i> Part #	Steel Part #
	1/4"	37 CFM	DC2042	
1/4"	5/16"	37 CFM	DC2043	
	3/8"	37 CFM	DC2044	
3/8"	3/8"	70 CFM		DC2644
/8	1/2"	70 CFM		DC2645
	3/8"	150 CFM		DC1044
1/2"	1/2"	150 CFM		DC1045
	3/4"	150 CFM		DC1046



#### **Push-On Hose Barb Couplers**



Body Size	Hose ID	Flow Rating at 100 PSI	<i>Brass</i> Part #	Steel Part #
1/4"	1/4"	37 CFM	DC2042L	
/4	3/8"	37 CFM	DC2044L	
3/8"	1/4"	70 CFM		DC2642L
78	3/8"	70 CFM		DC2644L



#### 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	Female	Flow Rating	<i>Brass</i>
Size	NPT	at 100 PSI	Part #
3/"	1/2"	200 CFM	DC7024
	3/4"	200 CFM	DC7026
	1"	200 CFM	DC7028



#### **Male Threaded Couplers**

Body	Male	Flow Rating	<i>Brass</i>
Size	NPT	at 100 PSI	Part #
3/"	1/2"	200 CFM	DC7104
	3/4"	200 CFM	DC7106
	1"	200 CFM	DC7108



#### **Standard Hose Barb Couplers**

Body	Hose	Flow Rating	<i>Brass</i>
Size	ID	at 100 PSI	Part #
3/4"	1/2"	200 CFM	DC7045
	3/4"	200 CFM	DC7046
	1"	200 CFM	DC7048



## 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 #
1/11	1/4"-18	37 CFM	DC20SE
1/4"	3⁄8"-18	37 CFM	DC2023SE
3/8"	3⁄8"-18	70 CFM	DC26SE
78	1/2"-14	70 CFM	DC2624SE
1/2"	1⁄2"-14	150 CFM	DC10SE
/2	<sup>3</sup> ⁄ <sub>4</sub> "-14	150 CFM	DC1026SE
3/4"	<sup>3</sup> ⁄ <sub>4</sub> "-14	200 CFM	DC7026SE
74	1"-11-1/2	200 CFM	DC7028SE

#### **Male Threaded Couplers**



Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1⁄4"-18	37 CFM	DC21SE
/4	3⁄8"-18	37 CFM	DC2103SE
3/8"	3⁄8"-18	70 CFM	DC25SE
1/2"	1/2"-14	150 CFM	DC9SE
3/4"	<sup>3</sup> ⁄ <sub>4</sub> "-14	200 CFM	DC7106SE

#### **Standard Hose Barb Couplers**



Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/!!	1/4"	37 CFM	DC2042SE
1/4"	3/8"	37 CFM	DC2044SE
3/8"	3/8"	70 CFM	DC2644SE
1/3"	1/2"	150 CFM	DC1045SE

#### **Push-Lock Hose Barb Couplers**



Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DC2042LSE
74	3/8"	37 CFM	DC2044LSE
3/8"	3/8"	70 CFM	DC2644LSE
1/2"	1/2"	150 CFM	DC1045LSE

## 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







2. disconnects

#### **Female Threaded Automatic Couplers**

Body Size	NPT Size	Part #
1/4"	1/" 3/8"	9415U0614 9415U0618



#### **Male Threaded Automatic Couplers**

Body Size	NPT Size	Part #
1/4"	1/4" 3/8"	9405U0614 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 #
	1/8"	37 CFM	DCP221
1/4"	1/4"	37 CFM	DCP2
	3/8"	37 CFM	DCP223
	1/4"	70 CFM	DCP8
3/8"	3/8"	70 CFM	DCP6
	1/2"	70 CFM	DCP624

#### **Male Threaded Plugs**





Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
	1/8"	37 CFM	DCP101
1/4"	1/4"	37 CFM	DCP1
	3/8"	37 CFM	DCP103
3/8"	1/4"	70 CFM	DCP7
/8	3/8"	70 CFM	DCP5

#### **Standard Hose Barb Plugs**



Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP142
/4	3/8"	37 CFM	DCP144
3/8"	3/8"	37 CFM	DCP544

#### **Push-On Hose Barb Plugs**



Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP142L
/4	3/8"	37 CFM	DCP144L
3/8"	3/8"	70 CFM	DCP544L

## 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	<i>Brass</i> Part #	<i>Steel</i> Part #
	1/8"	37 CFM	DC221	
1/4"	1/4"	37 CFM	DC2	
	3/8"	37 CFM	DC223	
	1/4"	70 CFM		DC8
3/8"	3/8"	70 CFM		DC6
	1/2"	70 CFM		DC624



#### **Male Threaded Couplers**

Body Size	Male NPT	Flow Rating at 100 PSI	<i>Brass</i> Part #	<i>Steel</i> Part #
1/4"	1/8" 1/4"	37 CFM 37 CFM	DC101 DC1	
	3/8"	37 CFM	DC103	
	1/4"	70 CFM		DC7
3/8"	3/8"	70 CFM		DC5
	1/2"	70 CFM		DC504



#### **Standard Hose Barb Couplers**

Body Size	Hose ID	Flow Rating at 100 PSI	<i>Brass</i> Part #	<i>Steel</i> Part #
1/4"	1/4"	37 CFM	DC242	
/4	3/8"	37 CFM	DC244	
3/8"	3/8"	70 CFM		DC644
/8	1/2"	70 CFM		DC645

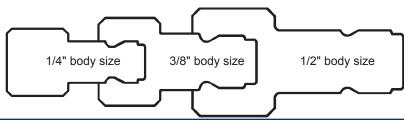


#### **Push-On Hose Barb Couplers**

Body Size	Hose ID	Flow Rating at 100 PSI	<i>Brass</i> Part #	<i>Steel</i> Part #
1/4"	1/4"	37 CFM	DC242L	
/4	3/8"	37 CFM	DC244L	
3/8"	3/8"	70 CFM		DC644L



#### Air Chief Automotive Actual Size Profile Charts



## Air Chief ARO Speed Interchange Couplings

- 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	<i>Steel</i> Part #
1/4"	1/4"	37 CFM	DCP38
74	3/8"	37 CFM	DCP3823
3/8"	3/8"	70 CFM	DCP36

#### Male ThreadedPlugs



Body	Male NPT	Flow Rating	Steel
Size	IVIAIE INF I	at 100 PSI	Part #
1/"	1/4"	37 CFM	DCP37
1/4"	3/8"	37 CFM	DCP3703
3/8"	3/8"	70 CFM	DCP35

#### **Standard Hose Barb**



Body	Hose ID	Flow Rating	Steel
Size		at 100 PSI	Part #
1/4"	1/4"	37 CFM	DCP3742

#### **Push-On Hose Barb**



Body	Hose ID	Flow Rating	Steel
Size	11026 10	at 100 PSI	Part #
1/"	1/4"	37 CFM	DCP3742L
1/4"	3/8"	37 CFM	DCP3744L

#### **Ball Swivel Plug**

#### Features:







Body Size	Male NPT	Part #
1/4"	1/4"	DCP37SWIV

# **Pneumatic Fittings**

# Air Chief ARO Speed Interchange Couplings

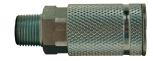
#### **Semi-Auto Female Threaded Couplers**

Body	Hose ID	Flow Rating	Brass	Steel
Size	I lose ib	at 100 PSI	Part #	Part #
1/11	1/4"	37 CFM	DC38	
1/4"	3/8"	37 CFM	DC3823	
3/8"	3/8"	70 CFM		DC36



#### **Semi-Auto Male Threaded Couplers**

Body	Hose ID	Flow Rating	Brass	Steel
Size	1103610	at 100 PSI	Part #	Part #
1/"	1/4"	37 CFM	DC37	
1/4"	3/8"	37 CFM	DC3703	
3/8"	3/8"	70 CFM		DC35



#### **Semi-Auto Standard Hose Barb Couplers**

Body	Hose ID	Flow Rating	<i>Steel</i>
Size		at 100 PSI	Part #
1/4"	1/4"	37 CFM	DC3842
	3/8"	37 CFM	DC3844

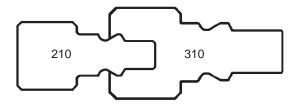


#### Semi-Auto Push-On Hose Barb Couplers

Body	Hose ID	Flow Rating	<i>Brass</i>
Size		at 100 PSI	Part #
1/4"	1/4"	37 CFM	DC3842L
	3/8"	37 CFM	DC3844L



#### **Air Chief ARO Actual Size Profile Charts**



# Air Chief Lincoln Interchange Couplings

## • 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	DCP28

#### **Male Threaded Plug**



Body Size	Male NP1	at 100 PSI 37 CFM	Part # <b>DCP27</b>
Body Size	Male NPT	Flow Rating	Steel

#### **Female Threaded Coupler**



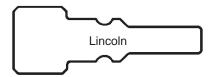
Body	Female NPT	Flow Rating	<i>Brass</i>
Size		at 100 PSI	Part #
1/4"	1/4"	37 CFM	DC28

#### **Male Threaded Coupler**



Body	Female NPT	Flow Rating	<i>Brass</i>
Size		at 100 PSI	Part #
1/4"	1/4"	37 CFM	DC27

#### **Air Chief Lincoln Actual Size Profile Chart**





# F

## **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		Brass		Steel	303 Stainless Steel	
Size	Threads	Previous Part #	Part #	Part #	Previous Part #	Part #
	1/8" - 27 NPTF			D2F1		
	1/4" - 18 NPTF	DCP20B	D2F2-B	D2F2	DCP20S	D2F2-S
1/4"	1/4" - 19 BSPP			D2BF2		
	%" - 18 NPTF	DCP2023B	D2F3-B	D2F3		D2F3-S
	%" - 19 BSPP			D2BF3		
	1/4" - 18 NPTF			D3F2		
3/8"	%" - 18 NPTF		D3F3-B	D3F3	DCP26S	D3F3-S
/8	%" - 19 BSPP			D3BF3		
	½" - 14 NPTF			D3F4		
	%" - 18 NPTF			D4F3		
1/2"	½" - 14 NPTF		D4F4-B	D4F4	DCP18S	D4F4-S
/2	1/2" - 14 BSPP			D4BF4		
	3/4" - 14 NPTF		D4F6-B	D4F6		
	1/2" - 14 NPTF			D6F4		
3/4"	3/4" - 14 NPTF			D6F6		
	1" - 11 ½ NPTF			D6F8		



brass



steel



303 stainless

#### **Male Threaded Plugs**

Body		Brass		Steel	303 Stainless Steel	
Size	Threads	Previous Part #	Part #	Part #	Previous Part #	Part #
	1/4" - 27 NPTF	DCP2101B	D2M1-B	D2M1		D2M1-S
	1/4" - 18 NPTF	DCP21B	D2M2-B	D2M2	DCP21S	D2M2-S
1/4"	1/4" - 19 BSPT			D2BM2		
	%" - 18 NPTF	DCP2103B	D2M3-B	D2M3		D2M3-S
	%" - 19 BSPT			D2BM3		
	1/4" - 18 NPTF			D3M2		
3/8"	%" - 18 NPTF		D3M3-B	D3M3	DCP25S	D3M3-S
/8	%" - 19 BSPT			D3BM3		
	½" - 14 NPTF			D3M4		
	1/4" - 18 NPTF			D4M2		
	%" - 18 NPTF			D4M3		
1/2"	½" - 14 NPTF		D4M4-B	D4M4	DCP17S	D4M4-S
	½" - 14 BSPT			D4BM4		
	¾" - 14 NPTF		D4M6-B	D4M6		
	½" - 14 NPTF			D6M4		
3/4"	34" - 14 NPTF			D6M6		
	1" - 11½ NPTF			D6M8		



brass



steel



303 stainless

# **DF-Series Industrial Pneumatic Couplings**

## **Standard Hose Barb Plugs**











Body	Hose	Bra	ass	Steel		303 Stainless Steel		
Size	ID	Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	
	1/4"	DCP2142B	D2S2-B	DCP2142	D2S2	DCP2142S	D2S2-S	
1/4"	5/16"				D2S2.5			
	3/8"	DCP2144B	D2S3-B		D2S3		D2S3-S	
	1/4"			DCP2542	D3S2			
3/8"	3/8"		D3S3-B	DCP2544	D3S3	DCP2544S	D3S3-S	
	1/2"				D3S4			
	3/8"		D4S3-B	DCP1744	D4S3			
1/2"	1/2"		D4S4-B	DCP1745	D4S4	DCP1745S	D4S4-S	
	3/4"		D4S6-B		D4S6			
	1/2"				D6S4			
3/4"	3/4"				D6S6			
	1"				D6S8			

## **Automatic Female Threaded Couplers**



brass



303 stainless

Body		Bra	ass	303 Stain	less Steel
Size	Threads	Previous Part #	Part #	Previous Part #	Part #
	1/8" - 27 NPTF		2DF1-B		
	1/4" - 18 NPTF	DCB20	2DF2-B	DCS20	2DF2-S
1/4"	1/4" - 19 BSPP		2DBF2-B		
	%" - 18 NPTF	DCB2023	2DF3-B		2DF3-S
	%" - 19 BSPP		2DBF3-B		
-	1/4" - 18 NPTF	DCB2622	3DF2-B		
3/8"	%" - 18 NPTF	DCB26	3DF3-B	DCS26	3DF3-S
78	%" - 19 BSPP		3DBF3-B		
	½" - 14 NPTF	DCB2624	3DF4-B		
	%" - 18 NPTF	DCB1023	4DF3-B		
1/2"	½" - 14 NPTF	DCB10	4DF4-B	DCS10	4DF4-S
/2	½" - 14 BSPP		4DBF4-B		
	3/4" - 14 NPTF	DCB1026	4DF6-B		
-	½" - 14 NPTF		6DF4-B		
3/4"	3/4" - 14 NPTF		6DF6-B		
	1" - 11 ½ NPTF		6DF8-B		

## **Manual Female Threaded Couplers**



brass



steel



303 stainless

Body Size	Threads	<i>Bra</i> ss Part #	<i>Steel</i> Part #	303 St Previous Part #	ainless Steel Part #
	1/8" - 27 NPTF	2FF1-B			
	1/8" - 28 BSPP	2FBF1-B			
1/4"	1/4" - 18 NPTF	2FF2-B	2FF2	DC20S	2FF2-S
74	1/4" - 19 BSPP	2FBF2-B			
	%" - 18 NPTF	2FF3-B			2FF3-S
	%" - 19 BSPP	2FBF3-B			
	1/4" - 18 NPTF		3FF2		
3/8"	%" - 18 NPTF		3FF3	DC26S	3FF3-S
78	%" - 19 BSPP		3FBF3		
	½" - 14 NPTF		3FF4		
	%" - 18 NPTF		4FF3		
1/"	1/2" - 14 NPTF		4FF4	DC10S	4FF4-S
1/2"	1/2" - 14 BSPP		4FBF4		
	3/4" - 14 NPTF		4FF6		
	3/4" - 14 NPTF		4FF6		

DPL418

# **DF-Series Industrial Pneumatic Couplings**

## **Automatic Male Threaded Couplers**

Body		Bra	ass	303 Stainļess Steel	
Size	Threads	Previous Part #	Part #	Previous Part #	Part #
	1/8" - 27 NPTF		2DM1-B		
	1/4" - 18 NPTF	DCB21	2DM2-B	DCS21	2DM2-S
1/4"	1/4" - 19 BSPT		2DBM2-B		
	%" - 18 NPTF	DCB2103	2DM3-B		2DM3-S
	%" - 19 BSPT		2DBM3-B		
	1/4" - 18 NPTF	DCB2502	3DM2-B		
3/8"	%" - 18 NPTF	DCB25	3DM3-B	DCS25	3DM3-S
/8	%" - 19 BSPT		3DBM3-B		
	½" - 14 NPTF	DCB2504	3DM4-B		
	%" - 18 NPTF	DCB903	4DM3-B		
1/2"	½" - 14 NPTF	DCB9	4DM4-B	DCS9	4DM4-S
/2	1⁄2" - 14 BSPT		4DBM4-B		
	3/4" - 14 NPTF	DCB906	4DM6-B		
	1/2" - 14 NPTF		6DM4-B		
3/4"	¾" - 14 NPTF		6DM6-B		
	1" - 11 ½ NPTF		6DM8-B		



brass



303 stainless

## **Manual Male Threaded Couplers**

Body		Brass	Steel	303 Stainless Steel		
Size	Threads	Part #	Part #	Previous Part #	Part #	
	1/8" - 27 NPTF	2FM1-B			2FM1-S	
	1/4" - 18 NPTF	2FM2-B	2FM2	DC21S	2FM2-S	
1/4"	1/4" - 19 BSPT	2FBM2-B				
	%" - 18 NPTF	2FM3-B			2FM3-S	
	%" - 19 BSPT	2FBM3-B				
	1/4" - 18 NPTF		3FM2			
3/8"	%" - 18 NPTF		3FM3	DC25S	3FM3-S	
/8	%" - 19 BSPT		3FBM3			
	½" - 14 NPTF		3FM4			
	%" - 18 NPTF		4FM3			
1/2"	½" - 14 NPTF		4FM4	DC9S	4FM4-S	
1/2"	½" - 14 BSPT		4FBM4			
	3/4" - 14 NPTF		4FM6			



brass



steel



303 stainless

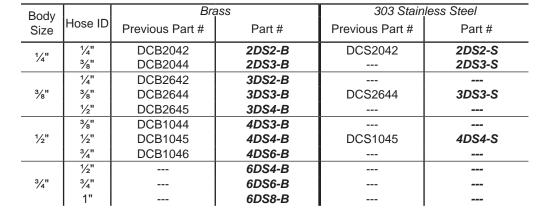
# Pneumatic Fittings

# **DF-Series Industrial Pneumatic Couplings**

#### **Automatic Standard Hose Barb Couplers**



brass





303 stainless

#### **Manual Standard Hose Barb Couplers**



brass



steel



303 stainless

Body Hose		e Brass		Steel	303 Stainless Steel		
Size	ID	Part #	Previous Part #	Previous Part # Part #		Part #	
	1/4"	2FS2-B		2FS2	DC2042S	2FS2-S	
1/4"	5/16"	2FS2.5-B					
	3/8"	2FS3-B				2FS3-S	
	1/4"		DC2642	3FS2			
3/8"	3/8"			3FS3	DC2644S	3FS3-S	
	1/2"			3FS4			
	3/8"			4FS3			
1/2"	1/2"			4FS4	DC1045S	4FS4-S	
	3/4"			4FS6			

# DF-Series Industrial Pneumatic Couplings Automatic Push-Loc Barb Couplers

Body Size	Hose ID	<i>Brass</i> Part #
1/"	1/4"	2DB2-B
1/4"	3/8"	2DB3-B
3/8"	3/8"	3DB3-B
1/2"	1/2"	4DB4-B



#### **Manual Push-Loc Barb Couplers**

Body Size	Hose ID	<i>Brass</i> Part #	<i>Steel</i> Part #
1/4"	1/4"	2FB2-B	
74	3/8'	2FB3-B	
	1/4"		3FB2
3/8"	3/8"		3FB3
	1/2"		3FB4
1/2"	3/8"		4FB3
/2	1/2"		4FB4



**Push-Loc Hose Barb Plugs** 

Body		Brass	St	eel
Size	Hose ID	Part #	Previous Part #	Part #
1/4"	1/4"	D2B2-B	DCP2142L	D2B2
/4	3/8"			D2B3
	1/4"			D3B2
3/8"	3/8"		DCP2544L	D3B3
	1/2"			D3B4
1/2"	1/2"			D4B4
3/4"	3/4"			D6B6



steel

#### **Automatic Reusable Barb Couplers**

Body Size	Hose ID X OD	<i>Brass</i> Part #
1/4"	1/4" x 1/2" 1/4" x 5/8" 3/8" x 11/16" 3/8" x 3/4"	2DE2-B 2DH2-B 2DK3-B 2DL3-B

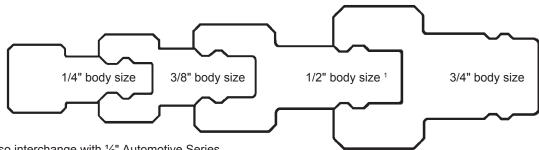


#### **Reusable Barb Plugs**

Body Size	Hose ID X OD	Steel Part #
1/4"	1/4" x 1/2" 1/4" x 5/8" 3/8" x 11/16" 3/8" x 3/4"	D2E2 D2H2 D2K3 D2L3



#### **DF-Series Actual Size Profile Charts**



1 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.

## **Female Threaded Plugs**



brass



steel

Temale Inicaded Flags				
Body Size	Threads	<i>Brass</i> Part #	<i>Steel</i> Part #	
	1/8" - 27 NPTF		J2F1	
1/4"	1/4" - 18 NPTF	J2F2-B	J2F2	
	3/8" - 18 NPTF		J2F3	
	1/4" - 18 NPTF		J3F2	
3/8"	3/8" - 18 NPTF		J3F3	
	1/2" - 14 NPTF		J3F4	
	3%" - 18 NPTF		J4F3	
1/2"	1/2" - 14 NPTF		J4F4	
	3/4" - 14 NPTF		J4F6	

#### **Male Threaded Plugs**



brass



steel

Threads	<i>Bra</i> ss Part #	<i>Steel</i> Part #
1/8" - 27 NPTF		J2M1
1/4" - 18 NPTF	J2M2-B	J2M2
%" - 18 NPTF		J2M3
1/4" - 18 NPTF		J3M2
%" - 18 NPTF		J3M3
½" - 14 NPTF		J3M4
%" - 18 NPTF		J4M3
½" - 14 NPTF		J4M4
¾" - 14 NPTF		J4M6
	1/8" - 27 NPTF 1/4" - 18 NPTF 3/8" - 18 NPTF 1/4" - 18 NPTF 3/8" - 18 NPTF 1/2" - 14 NPTF 1/2" - 14 NPTF 1/2" - 14 NPTF	Inreads     Part #       1/8" - 27 NPTF        1/4" - 18 NPTF     J2M2-B       3/8" - 18 NPTF        1/4" - 18 NPTF        3/8" - 18 NPTF        1/2" - 14 NPTF        1/2" - 14 NPTF

#### **Standard Hose Barb Plugs**



Body		Steel	
Body Size	Hose ID	Previous Part #	Part #
1/4"	1/4"		J2S2
/4	3/8"		J2\$3
	1/4"	DCP542	J3S2
3/8"	3/8"		J3S3
	1/2"		J3S4
	3/8"		J4S3
1/2"	1/2"		J4S4
	3/4"		J4S6

# F

## J-Series Automotive Pneumatic Couplings

## **Female Threaded Couplers**

Body Size	Threads	<i>Brass</i> Part #	Steel Part #
1/4"	1/8" - 27 NPTF 1/4" - 18 NPTF	2JF1-B 2JF2-B	
74	3/8" - 18 NPTF		
	1/4" - 18 NPTF		<i>3JF</i> 2
3/8"	%" - 18 NPTF		<i>3JF</i> 3
	½" - 14 NPTF		3 <i>JF4</i>



brass



steel

• ½" body J-Series plugs are used with ½" body DF-Series Manual couplers on page 312

#### **Male Threaded Couplers**

Body Size	Threads	<i>Brass</i> Part #	<i>Steel</i> Part #
'	1/8" - 27 NPTF	2JM1-B	
1/4"	1/4" - 18 NPTF	2JM2-B	<b></b>
	%" - 18 NPTF	2JM3-B	
	1/4" - 18 NPTF		3JM2
3/8"	%" - 18 NPTF		<i>3JM3</i>
	½" - 14 NPTF		3JM4



brass



• ½" body J-Series plugs are used with ½" body DF-Series Manual couplers on page 313

steel

## **Standard Hose Barb Couplers**

Body Size	Hose ID	<i>Brass</i> Part #	<i>Steel</i> Part #
1/4"	1/4" 3/8"	2JS2-B 2JS3-B	
	1/4"		3JS2
3/8"	3/8"		3 <i>J</i> S3
	1/2"		3JS4



brass



• ½" body J-Series plugs are used with ½" body DF-Series Manual couplers on page 314

steel

#### **Push-Loc Hose Barb Couplers**

Body Size	Hose ID	<i>Brass</i> Part #	Steel Part #
1/4"	1/4" 3/8"	2JB2-B 2JB3-B	 
	1/4"		3JB2
3/8"	3/8"		3JB3
	1/2"		3JB4



brass



steel

• ½" body J-Series plugs are used with ½" body DF-Series Manual couplers on page 315

## **Push-Loc Hose Barb Plugs**

Body Size	Hose ID	Steel Part #
1/4"	1/4" 3/8"	J2B2 J2B3
3/8"	3/8"	J3B3
1/2"	1/2"	J4B4



## M-Series ARO Pneumatic Couplings

- 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**





steel

Body Size	Threads	<i>Bra</i> ss Part #	<i>Steel</i> Part #
1/4"	1/4"- 18 NPTF	M2F2-B	M2F2
/4	%"- 18 NPTF		M2F3
3/8"	%"- 18 NPTF		M3F3

#### **Male Threaded Plugs**



brass



steel

Body	Threads	<i>Brass</i>	<i>Steel</i>
Size		Part #	Part #
1/4"	1/8" - 27 NPTF		M2M1
	1/4" - 18 NPTF	M2M2-B	M2M2
	3/8" - 18 NPTF		M2M3
3/8"	%" - 18 NPTF		МЗМЗ

#### **Standard Hose Barb Plugs**



Body		Steel		
Size	Hose ID	Previous Part #	Part #	
1/11	1/4"		M2S2	
1/4"	3/8"	DCP3744	M2S3	
3/8"	3/8"		M3S3	

#### **Automatic Female Threaded Couplers**



Body Size	Threads	Steel / Brass Part #
1/4"	1⁄4"- 18 NPT 3⁄8" -18 NPT	2MF2-PL 2MF3-PL
3/8"	%" -18 NPT	3MF3-PL

#### **Manual Female Threaded Couplers**



Body Size	Threads	<i>Brass</i> Part #
1/4"	½"- 18 NPT %" -18 NPT	2MF2-B 2MF3-B



## M-Series ARO Pneumatic Couplings

## **Automatic Male Threaded Couplers**

Body Size	Threads	Steel / Brass Part #
1/4"	½"- 18 NPT %"- 18 NPT	2MM2-PL 2MM3-PL
3/8"	%"- 18 NPT ½" - 14 NPTF	3MM3-PL 3MM4-PL



#### **Manual Male Threaded Couplers**

Body Size	Threads	<i>Bra</i> ss Part #
1/4"	½"- 18 NPT %"- 18 NPT	2MM2-B 2MM3-B



## **Automatic Standard Hose Barb Couplers**

Body Size	Hose ID	Steel / Brass Part #
1/4"	½" 5/16" ¾"	2MS2-PL 2MS2.5-PL 2MS3-PL
3/8"	3/8"	3MS3-PL



## **Manual Standard Hose Barb Couplers**

Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1/4" 3/8"	2MS2-B 2MS3-B



#### **Push-Loc Barb Plug**

Body		Steel
Size	Hose ID	Part #
1/4"	1/4"	M2B2





## **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; %" interchanges with Rectus 27KA and CEJN 410

## **Female Threaded Plugs**







Body Size	Threads	<i>Brass</i> Part #	<i>Steel</i> Part #			
1/4" 3/8"	1/4" - 18 NPT 1/4" - 19 BSPP 3/8" - 18 NPT 3/8" - 19 BSPP 3/8" - 18 NPT 3/8" - 19 BSPP 1/2" - 14 NPT 1/2" - 14 BSPP	CJ2F2-B CJ2BF2-B CJ2F3-B CJ2BF3-B CJ3F3-B CJ3BF3-B CJ3F4-B CJ3BF4-B	CJ2F2-LG CJ2BF2-LG CJ2F3-LG CJ2BF3-LG CJ3F3 CJ3BF3 CJ3BF4			

#### **Male Threaded Plugs**





	***	
cto	٦l	

Body			Brass	Steel
Size	Threads	Previous Part #	Part #	Part #
	1/4" - 18 NPT	DCP41	CJ2M2-B	CJ2M2-LG
1/4"	1/4" - 19 BSPT		CJ2BM2-B	CJ2BM2-LG
/4	%" - 18 NPT		CJ2M3-B	CJ2M3-LG
	%" - 19 BSPT		CJ2BM3-B	CJ2BM3-LG
	%" - 18 NPT		CJ3M3-B	СЈЗМЗ
3/8"	%" - 19 BSPT		СЈЗВМЗ-В	СЈЗВМЗ
78	1/2" - 14 NPT		CJ3M4-B	CJ3M4
	½" - 14 BSPT		CJ3BM4-B	CJ3BM4

#### **Female Threaded Couplers**



Body	Threads	Brass		
Size		Previous Part #	Part #	
	1/4" - 18 NPT	DC41	2CJF2-B	
1/4"	1/4" - 19 BSPP		2CJBF2-B	
/4	%" - 18 NPT		2CJF3-B	
	%" - 19 BSPP		2CJBF3-B	
	%" - 18 NPT		3CJF3-B	
3/8"	%" - 19 BSPP		3CJBF3-B	
	½" - 14 NPT		3CJF4-B	
	½" - 14 BSPP		3CJBF4-B	

#### **Male Threaded Couplers**



Body Size	Threads	<i>Brass</i> Part #
1/4"	1/4" - 18 NPT 1/4" - 19 BSPT 3/6" - 18 NPT 3/6" - 19 BSPT	2CJM2-B 2CJBM2-B 2CJM3-B 2CJBM3-B
3/8"	3/8" - 18 NPT 3/6" - 19 BSPT 1/2" - 14 NPT 1/2" - 14 BSPT	3CJM3-B 3CJBM3-B 3CJM4-B 3CJBM4-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/s" - 27 NPT 1/4" - 18 NPT 3/s" - 18 NPT	SHD2F1 SHD2F2 SHD4F3



#### **Male Threaded Plugs**

Body Size	Threads	Steel Part #
1/4"	1/6" - 27 NPT 1/4" - 18 NPT 3/6" - 18 NPT	SHD2M1 SHD2M2 SHD4M3
1/2"	1/2" - 14 NPT	SHD4M4



#### **Female Threaded Couplers**

Body Size	Threads	Aluminum Part #
1/4"	1⁄4" - 18 NPT 3⁄8" - 18 NPT	2SHDF2 2SHDF3
1/2"	3/8" - 18 NPT 1/2" - 14 NPT 3/4" - 14 NPT	4SHDF3 4SHDF4 4SHDF6



#### **Male Threaded Couplers**

Body Size	Threads	Aluminum Part #
1/4"	1⁄4" - 18 NPT 3⁄8" - 18 NPT	2SHDM2 2SHDM3
1/2"	%" - 18 NPT ½" - 14 NPT	4SHDM3 4SHDM4



## SHD-Series Schrader Pneumatic Couplings

#### Standard Hose Barb Plugs



Body Size	Hose ID	Steel Part #
1/4"	1/4" 3/8"	SHD2S2 SHD2S3
1/2"	3/8" 1/2"	SHD4S3 SHD4S4

#### **Standard Hose Barb Couplers**



Bo	ody	Hose ID	Aluminum
Si	ze		Part #
1/	/"	1/4"	2SHDS2
	4	3/8"	2SHDS3
1/	/ II	3/8"	4SHDS3
	2	1/2"	4SHDS4

## 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.

Body Size	Threads	<i>Steel</i> Part #
1/4"	1⁄4" - 18 NPT	L2F2

#### **Male Threaded Plug**

**Female Threaded Plug** 



Body Size	Threads	<i>Steel</i> Part #
1/4"	1/4" - 18 NPT	L2M2

#### **Female Threaded Coupler**



Body Size	Threads	<i>Bra</i> ss Part #
1/4"	1⁄4" - 18 NPT	2LF2-B

#### Male Threaded Coupler



Body Size	Threads	<i>Brass</i> Part #
1/4"	1⁄4" - 18 NPT	2LM2-B

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## 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	<i>Brass</i> Part #
1/4"	½" - 18 NPT %" - 18 NPT	2UF2-B 2UF3-B
3/8"	%" - 18 NPT	3UF3-B



#### **Male Threaded Couplers**

Body Size	Threads	<i>Brass</i> Part #
1/4" 	1/4" - 18 NPT 3/8" - 18 NPT 3/8" - 18 NPT	2UM2-B 2UM3-B 3UM3-B



#### **Standard Hose Barb Couplers**

Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1/4" 3/8"	2US2-B 2US3-B
3/8"	3/8"	3US3-B



## **Push-On Hose Barb Couplers**

Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1/4" 3/8"	2UB2-B 2UB3-B



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# 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 1⁄4" -19 BSPP	NK2F2 NK2BF2

#### **Male Threaded Plugs**



Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPT 1/4" -19 BSPP	NK2M2 NK2BM2

## **Hose Barb Plug**



•	Body Size	Hose ID	Steel Part #
•	1/4"	1/4"	NK2S2

#### **Female Threaded Couplers**



Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPT 1/4" -19 BSPP	2NKF2 2NKBF2

#### **Male Threaded Couplers**



Body Size	Threads	Steel Part #
1/4"	1⁄4" - 18 NPT 1⁄4" -19 BSPP	2NKM2 2NKBM2

#### **Hose Barb Coupler**



Body Size	Hose ID	<i>Steel</i> Part #
1/4"	1/4"	2NKS2



# **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	<b>Threade</b>	d Pluas
i Ciliale	IIIICauc	u i iuys

Body Size	Threads	<i>Brass</i> Part #
1/8"	1/8" - 27 NPT 1/8" - 28 BSPP 1/4" - 18 NPT 1/4" - 19 BSPP	BR1F1-B-E-7 BR1BF1-B-E-7 BR1F2-B-E-7 BR1BF2-B-E-7



#### **Male Threaded Plugs**

Body Size	Threads	<i>Brass</i> Part #
1/8"	1/8" - 27 NPT 1/8" - 28 BSPP 1/4" - 18 NPT 1/4" - 19 BSPP	BR1M1-B-E-7 BR1GM1-B-E-7 BR1M2-B-E-7 BR1GM2-B-E-7



## **Female Threaded Couplers**

Body Size	Threads	<i>Bra</i> ss Part #
1/8"	½" - 27 NPT ½" - 28 BSPP ¼" - 18 NPT ¼" - 19 BSPP	1BRF1-B-7 1BRBF1-B-7 1BRF2-B-7 1BRBF2-B-7



#### **Male Threaded Couplers**

Body Size	Threads	<i>Bra</i> ss Part #
1/8"	1/8" - 27 NPT 1/8" - 28 BSPP 1/4" - 18 NPT 1/4" - 19 BSPP	1BRM1-B-7 1BRGM1-B-7 1BRM2-B-7 1BRGM2-B-7



## **Hose Barb Plugs**

Body Size	Hose ID	<i>Brass</i> Part #
1/8"	4mm 6mm 9mm	BR1S1.25-B-E-7 BR1S1.86-B-E-7 BR1S2.83-B-E-7



## **Hose Barb Couplers**

Body Size	Hose ID	<i>Brass</i> Part #
1/8"	4mm 6mm 9mm	1BRS1.25-B-7 1BRS1.86-B-7 1BRS2.83-B-7



# 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



Body Size	Threads	<i>Brass</i> Part #	<i>Steel</i> Part #
1/8"	1/8" - 27 NPTF	A1F1-B	
1/4"	1/8" - 27 NPTF	A2F1-B	
/4	1/4" - 18 NPTF	A2F2-B	A2F2

#### **Male Threaded Plugs**



brass



Body	Threads	<i>Brass</i>	Steel
Size		Part #	Part #
1/8"	1/8" - 27 NPTF	A1M1-B	
1/4"	1/4" - 18 NPTF	A2M2-B	A2M2

#### **Hose Barb Plugs**







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Size	Hose ID	Part #	Part #
1/8"	1/8"	A1S1-B	
1/4"	1/."		A2S2

## **Female Threaded Couplers**



Body Size	Threads	<i>Brass</i> Part #
1/8"	1/8" - 27 NPTF	1AF1-B
1/4"	1/8" - 27 NPTF	2AF1-B
/4	1⁄4" - 18 NPTF	2AF2-B

#### **Male Threaded Couplers**



Body Size	Threads	<i>Brass</i> Part #
1/8"	1/8" - 27 NPTF	1AM1-B
1/4"	1/8" - 27 NPTF 1/4" - 18 NPTF	2AM1-B 2AM2-B



# A-Series Pneumatic Couplings

# **Hose Barb Couplers**

Body Size	Hose ID	<i>Brass</i> Part #
1/8"	1/8"	1AS1-B
1/4"	1/4"	2AS2-B



# **Reusable Barb Plugs**

Body	Hose ID	<i>Brass</i>	Steel
Size		Part #	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 Thr	eaded	
Hose S	Size Male NPT	Zinc Plated Steel Part #	Optional Qty
1/4"	1/8"	3501	100
1/4"	1/4"	3502	100
1/4"	3/8"	3504	100
3/8"	1/4"	3505	100
3/8"	3/8"	3506	100
3/8"	1/2"	3508	100
1/2"	1/4"	3509	100
1/2"	3/8"	3510	100
1/2"	1/2"	3512	100
1/2"	3/4"	3511	50
3/4"	1/2"	3513	50

3514

3515

3516

3518

#### **Female Threaded**

3/4"

1"

3/4"

1"

_	Hose Size	Female NPT	Zinc Plated Steel Part #	Optional Qty
-	1/4"	1/4"	3542	100
	3/8"	1/4"	3545	50
	3/8"	3/8"	3546	50
	1/2"	3/8"	3550	100
	1/2"	1/2"	3552	50
	3/4"	3/4"	355 <i>4</i>	50



#### Male Threaded with Ferrule

3/4"

3/4"

1"

1"

- 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
- · low profile, streamline appearance



		Hoșe OD		Steel
Hose Size	Male NPT	From	То	Part #
3/8"	1/4"	46/64"	50/64"	3505WF
3/8"	1/2"	46/64"	50/64"	3508WF
1/2"	1/4"	54/64"	58/64"	3509WF
1/2"	3/8"	54/64"	58/64"	3510WF
1/2"	3/4"	54/64"	58/64"	3511WF
1/2"	1/2"	54/64"	58/64"	3512WF
3/4"	3/4"	1-10/64"	1-14/64"	3514WF
1"	1"	1-30/64"	1-34/64"	3518WF
1"	1"	1-34/64"	1-38/64"	3518WF2

50

25

25

25

#### Bent Stem Swivels

#### **Hose Barb**

#### Features:

- 1/8" thread fits the following tool brands: Ingersoll-Rand, Thor, Black & Decker, Harper, Jet, Texas Pneumatic, Kent and Sullair
- ½" thread fits all tools with ½" female NPT thread
- 1/2" hose barb
- designed for normal operation at 90 PSI at ambient temperature 70°F (21°C)

Description	Steel Part #	Optional Qty
<sup>7</sup> / <sub>8</sub> " - 24 thread x ½" hose barb	ATS7812H	50
1/2" NPT thread x 1/2" hose barb	ATS1212H	50



#### **Female Pipe Thread**

#### Feature:

- 1/8" thread fits most chipping hammers
- 3/8" female pipe thread
- designed for normal operation at 90 PSI at ambient temperature 70°F (21°C)

Description	Steel Part #	Optional Qty
%" - 24 thread x %" female NPT	ATS7838F	25



#### **Male Pipe Thread**

#### Feature:

- 1/8" thread fits most chipping hammers
- 3/8" male pipe thread
- designed for normal operation at 90 PSI at ambient temperature 70°F (21°C)

Description	Steel Part #	Optional Qty
<sup>7</sup> / <sub>8</sub> " - 24 thread x <sup>3</sup> / <sub>8</sub> " male NPT	ATS7838M	50



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## 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"	AQ68DOT4X2	10
1/4"	1/4"	AQ68DOT4X4	10
1/4"	3/8"	AQ68DOT4X6	5
3/8"	1/4"	AQ68DOT6X4	10
3/8"	3/8"	AQ68DOT6X6	10

#### **Union Connectors**





Tube OD	Part #	Pkg Qty
1/4"	AQ62DOT4	10
3/8"	AQ62DOT6	10

#### **Male Elbows**



Tube OD	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ69DOT4X2	10
1/4"	1/4"	AQ69DOT4X4	10
3/8"	1/4"	AQ69DOT6X4	10

#### D.O.T. Push-In Male Swivel Elbows



Tube OD	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ69DOTS4X2	10
1/4"	1/4"	AQ69DOTS4X4	10
1/4"	3/8"	AQ69DOTS4X6	10
3/8"	1/4"	AQ69DOTS6X4	10
3/8"	3/8"	AQ69DOTS6X6	5

# D.O.T. Push-In Fittings

# **Male Swivel Run Tees**

Tube OD	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ71DOTS4X2	10
1/4"	1/4"	AQ71DOTS4X4	5



## **Male Swivel Branch Tees**

Tube OD	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ72DOTS4X2	10
1/4"	1/4"	AQ72DOTS4X4	5



## **Union Tees**

Tube OD	Part #	Pkg Qty
1/4"	AQ64DOT4	10
3/8"	AQ64DOT6	10



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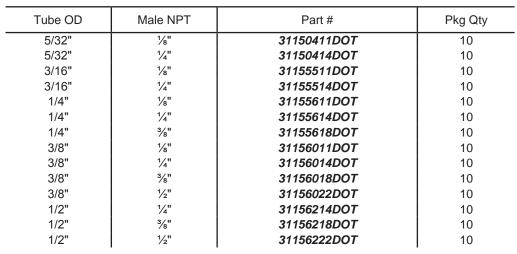


## Legris D.O.T. Push-In Fittings

#### 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**



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"	31140411DOT	10
3/16"	1/8"	31145511DOT	10
1/4"	1/8"	31145611DOT	10
1/4"	1/4"	31145614DOT	10
3/8"	1/4"	31146014DOT	10
3/8"	3/8"	31146018DOT	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"	31060400DOT 1,2	10
3/16"	31065500DOT 1,2	10
1/4"	31065600DOT <sup>3</sup>	10
3/8"	31066000DOT <sup>3</sup>	10
1/2"	31066200DOT <sup>3</sup>	10



- <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"	31165600DOT	10			
3/8"	31166000DOT	10			
1/2"	31166200DOT	10			



meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3

#### **Union Elbows**

Tube OD	Part #	Pkg Qty
5/32"	31020400DOT 1	10
1/4"	31025600DOT	10
3/8"	31026000DOT	10
1/2"	31026200DOT	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"	31090411DOT1	10
3/16"	1/8"	31095511DOT1	10
1/4"	1/8"	31095611DOT	10
1/4"	1/4"	31095614DOT	10
1/4"	3/8"	31095618DOT	10
3/8"	1/4"	31096014DOT	10
3/8"	3/8"	31096018DOT	10
3/8"	1/2"	31096022DOT	10
1/2"	1/4"	31096214DOT	10
1/2"	3/8"	31096218DOT	10
1/2"	1/2"	31096222DOT	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



<sup>&</sup>lt;sup>1</sup> brass body

# Legris D.O.T. Push-In Fittings

#### Reducer



Tube OD	Tube OD	Part #	Pkg Qty
1/4"	3/8"	31665660DOT	10

• meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3

#### **Plug In Elbow**



Tube OD	Part #	Pkg Qty
1/4"	31825600DOT	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"	31085611DOT	10
1/4"	1/4"	31085614DOT	10
1/4"	3/8"	31085618DOT	10
3/8"	1/4"	31086014DOT	10
3/8"	3/8"	31086018DOT	10
3/8"	1/2"	31086022DOT	10
1/2"	1/4"	31086214DOT	10
1/2"	3/8"	31086218DOT	10
1/2"	1/2"	31086222DOT	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"	31040400DOT 1	10
3/16"	31045500DOT1	10
1/4"	31045600DOT	10
3/8"	31046000DOT	10
1/2"	31046200DOT	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



# **Pneumatic Fittings**

## Legris D.O.T. Push-In Fittings

#### Legris D.O.T. Push-In Male Run Tees

Male NPT	Part #	Pkg Qty
1/8"	31035511DOT1	10
1/8"	31035611DOT	10
1/4"	31035614DOT	10
3/8"	31035618DOT	10
1/4"	31036014DOT	10
3/8"	31036018DOT	10
1/2"	31036022DOT	10
1/4"	31036214DOT	10
3/8"	31036218DOT	10
1/2"	31036222DOT	10
	1/8" 1/6" 1/4" 3/6" 1/4" 3/8" 1/2" 1/4" 3/8"	1/8" 31035511DOT1 1/8" 31035611DOT 1/4" 31035614DOT 3/8" 31035618DOT 1/4" 31036014DOT 3/8" 31036018DOT 1/2" 31036022DOT 1/4" 31036214DOT 3/8" 31036214DOT



- 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"	31835600DOT	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"	31485611DOT	10
1/4"	1/4"	31485614DOT	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"	31405600DOT	10
3/8"	31406000DOT	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)

  - 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:**

- 1. Cut tubing squarely maximum of 15° angle allowable.
- 2. Check that port or mating part is clean and free of debris.
- 3. Insert tubing into fittings until it bottoms on seat.
- 4. 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 wrenchtightened 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	68NAB31VS	25
3/16"	1/8"	5/16"-24	68NAB32VS	50
3/16"	1/4"	5/16"-24	68NAB34VS	25
1/4"	1/8"	7/16"-24	68NAB42VS	50
1/4"	1/4"	7/16"-24	68NAB44VS	50
1/4"	3/8"	7/16"-24	68NAB46VS	10
3/8"	1/8"	17/32"-24	68NAB62VS	25
3/8"	1/4"	17/32"-24	68NAB64VS	25
3/8"	3/8"	17/32"-24	68NAB66VS	25
3/8"	1/2"	17/32"-24	68NAB68VS	25
1/2"	1/4"	11/16"-20	68NAB84VS	10
1/2"	3/8"	11/16"-20	68NAB86VS	25
1/2"	1/2"	11/16"-20	68NAB88VS	25
5/8"	3/8"	13/16"-18	68NAB106VS	10
5/8"	1/2"	13/16"-18	68NAB108VS	10
3/4"	3/8"	1"-18	68NAB126VS	10
3/4"	1/2"	1"-18	68NAB128VS	10
3/4"	3/4"	1"-18	68NAB1212VS	10



#### Feature:

• ref. SAE 100103 BA



Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
1/4"	1/8"	7/16"-24	66NAB42	25
1/4"	1/4"	7/16"-24	66NAB44	10
3/8"	1/8"	17/32"-24	66NAB62	10
3/8"	1/4"	17/32"-24	66NAB64	10
1/2"	3/8"	11/16"-20	66NAB86 <sup>1</sup>	10
1/2"	1/2"	11/16"-20	66NAB88	10
5/8"	3/8"	13/16"-18	66NAB106	10
5/8"	1/2"	13/16"-18	66NAB108	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	62NAB4	10
3/8"	17/32"-24	62NAB6	10
1/2"	11/16"-20	62NAB8	10
5/8"	13/16"-18	62NAB10	10
3/4"	1"-18	62NAB12	10



#### **Bulkhead Unions**

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16"-24	62NABH4	10
3/8"	17/32"-24	62NABH6	10
1/2"	11/16"-20	62NABH8	10



#### **Bulkhead Unions**

Tube Size	Straight Thread	Part #	Pkg Qty
3/16"	5/16"-24	62NBH3	10
1/4"	7/16"-24	62NBH4	10
3/8"	17/32"-24	62NBH6	10
1/2"	11/16"-20	62NBH8	10
5/8"	13/16"-18	62NBH10	10



#### **Bulkhead Unions**

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16"-24	62NFBH4	10
3/8"	17/32"-24	62NFBH6	10
1/2"	11/16"-20	62NFBH8	10
5/8"	13/16"-18	62NFBH10	10



#### **Bulkhead Unions**

Tube Size	Pipe Thread	Part #	Pkg Qty
1/2"	3/8"	66NBH86	10



#### **Female Elbows**

#### Feature:

• ref. SAE 100203 BA

Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
3/16"	1/8"	5/16"-24	70NAB32	25
1/4"	1/8"	7/16"-24	70NAB42	25
1/4"	1/4"	7/16"-24	70NAB44	25
3/8"	1/8"	17/32"-24	70NAB62	10
3/8"	1/4"	17/32"-24	70NAB64 <sup>1</sup>	10
3/8"	3/8"	17/32"-24	70NAB66	10
1/2"	3/8"	11/16"-20	70NAB86	10
1/2"	1/2"	11/16"-20	70NAB88	10
5/8"	1/2"	13/16"-18	70NAB108	10



<sup>&</sup>lt;sup>1</sup> rounded elbow parts not as pictured

# Pneumatic Fittings

# 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	69NAB32VS	10
3/16"	1/4"	5/16"-24	69NAB34VS	10
1/4"	1/8"	7/16"-24	69NAB42VS	50
1/4"	1/4"	7/16"-24	69NAB44VS	50
1/4"	3/8"	7/16"-24	69NAB46VS	10
3/8"	1/8"	17/32"-24	69NAB62VS	10
3/8"	1/4"	17/32"-24	69NAB64VS	25
3/8"	3/8"	17/32"-24	69NAB66VS	25
3/8"	1/2"	17/32"-24	69NAB68VS	10
1/2"	1/4"	11/16"-20	69NAB84VS	10
1/2"	3/8"	11/16"-20	69NAB86VS	10
1/2"	1/2"	11/16"-20	69NAB88VS	10
5/8"	3/8"	13/16"-18	69NAB106VS	10
5/8"	1/2"	13/16"-18	69NAB108VS	5
3/4"	1/2"	1"-18	69NAB128VS	5
3/4"	3/4"	1"-18	69NAB1212VS	5

#### **Union Elbows**

#### Feature:

• ref. SAE 100201 BA



	Tube Size	Straight Thread	Part #	Pkg Qty
-	1/4"	7/16"-24	65NAB4	10
	3/8"	17/32"-24	65NAB6	10
	1/2"	11/16"-20	65NAB8	10
	5/8"	13/16"-18	65NAB10	10

## 45° Elbows

- 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	79NAB42VS	10
1/4"	1/4"	7/16"-24	79NAB44VS	10
3/8"	1/8"	17/32"-24	79NAB62VS	10
3/8"	1/4"	17/32"-24	79NAB64VS	10
3/8"	3/8"	17/32"-24	79NAB66VS	10
3/8"	1/2"	17/32"-24	79NAB68VS	10
1/2"	1/4"	11/16"-20	79NAB84VS	10
1/2"	3/8"	11/16"-20	79NAB86VS	10
1/2"	1/2"	11/16"-20	79NAB88VS	10
5/8"	3/8"	13/16"-18	79NAB106VS	5
5/8"	1/2"	13/16"-18	79NAB108VS	5
3/4"	1/2"	1"-18	79NAB128VS	2

# Pneumatic Fittings

# 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	72NAB32VS	10
1/4"	1/8"	7/16"-24	72NAB42VS	10
1/4"	1/4"	7/16"-24	72NAB44VS	10
3/8"	1/8"	17/32"-24	72NAB62VS	10
3/8"	1/4"	17/32"-24	72NAB64VS	10
3/8"	3/8"	17/32"-24	72NAB66VS	10
1/2"	1/4"	11/16"-20	72NAB84VS	10
1/2"	3/8"	11/16"-20	72NAB86VS	10
1/2"	1/2"	11/16"-20	72NAB88VS	10
5/8"	1/2"	13/16"-18	72NAB108VS	10



#### **Union Tees**

#### Feature:

• ref. SAE 100401 BA

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16"-24	64NAB4	25
3/8"	17/32"-24	64NAB6	10
1/2"	11/16"-20	64NAB8	10
5/8"	13/16"-18	64NAB10	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	71NAB42VS	10
1/4"	1/4"	7/16"-24	71NAB44VS	10
3/8"	1/4"	17/32"-24	71NAB64VS	10
3/8"	3/8"	17/32"-24	71NAB66VS	10
1/2"	3/8"	11/16"-20	71NAB86VS	10
1/2"	1/2"	11/16"-20	71NAB88VS	10
5/8"	1/2"	13/16"-18	71NAB108VS	5



#### **Sleeves**

#### Feature:

• ref. SAE 100115

Tube Size	Part #	Pkg Qty
3/16"	60NAB3	100
1/4"	60NAB4	100
3/8"	60NAB6	100
1/2"	60NAB8	100
5/8"	60NAB10	10
3/4"	60NAB12	50



# Air Brake Fittings

#### Inserts

#### Feature:

• for SAE J844 tubing



Tube Size	302 / 304 Stainless Steel Part #	Pkg Qty
1/4"	63NAB4	200
3/8"	63NAB6	200
1/2"	63NAB8	100
5/8"	63NAB10	100
3/4"	63NAB12	100

#### **Nuts**

#### Feature:

• ref. SAE 100110



Tube Size	Male NPT	Part #	Pkg Qty
3/16"	5/16"-24	61NAB3	100
1/4"	7/16"-24	61NAB4	100
3/8"	17/32"-24	61NAB6	100
1/2"	11/16"-20	61NAB8	50
5/8"	13/16"-18	61NAB10	25
3/4"	1"-18	61NAB12	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 Part #
3/8"	2.70"	56RBSG-06
1/2"	2.70"	56RBSG-08

#### **Spring Guard Nuts**



Hose Size	Straight Thread	<i>Brass Alloy 360</i> Part #
3/8"	31/32"-20	61RBSG-06
1/2"	1-3/32-20	61RBSG-08



Pneumatic Fittings

# Air Brake Fittings for Rubber Hose

# **Hose Nut with Attached Springs**

Hose Size	Length	Brass Alloy 360 Part #
3/8"	3.55"	67RBSG-06
1/2"	3.50"	67RBSG-08





#### **Male Connectors**

Tube OD	Pipe Thread	Straight Thread	Hex	Brass Alloy 360 Part #
3/8"	1/4"	31/32"-20	31/32"	68RB-0604B
3/8"	3/8"	31/32"-20	31/32"	68RB-0606B
3/8"	1/2"	31/32"-20	31/32"	68RB-0608B
1/2"	3/8"	1-3/32"-20	1-1/8"	68RB-0806B
1/2"	1/2"	1-3/32"-20	1-1/8"	68RB-0808B



# **Male Connector with Spring Guards**

Hose Size	Pipe Thread	Hex	Brass Alloy 360 Part #
3/8" 3/8" 3/8"	1/" /4" 3/" 8 1/"	1-1/16" 1-1/16" 1-1/16"	68RBSG-0604 68RBSG-0606 68RBSG-0608
1/2" 1/2" 1/2"	3/8" 1/2"	1-1/4" 1-1/4"	68RBSG-0806 68RBSG-0808



#### **Sleeves**

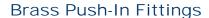
Hose Size	Length	Brass Alloy 360 Part #
3/8"	.64"	60RB-06
1/2"	.64"	60RB-08



#### Nuts

Hose Size	Thread	Hex	Brass Alloy 360 Part #
3/8"	31/32"-20	1-1/32"	61RB-06
1/2"	1-3/32"-20	1-1/4"	61RB-08





#### 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>	684X10	20
1/8"	1/8"	684X4	20
5/32"	10-32 <sup>1</sup>	685X10	20
5/32"	1/8"	685X4	20
5/32"	1/4"	685X8	10
3/16"	10-32 <sup>1</sup>	686X10	20
3/16"	1/8"	686X4	20
1/4"	10-32 <sup>1</sup>	688X10	20
1/4"	1/8"	688X4	20
1/4"	1/4"	688X8	10
1/4"	3/8"	688X12	10
3/8"	1/8"	6812X4	10
3/8"	1/4"	6812X8	10
3/8"	3/8"	6812X12	10
3/8"	1/2"	6812X16	5
1/2"	1/4"	6816X8	5
1/2"	3/8"	6816X12	5
1/2"	1/2"	6816X16	5

<sup>&</sup>lt;sup>1</sup> UNF - Straight thread, supplied with gasket

#### **Female Connectors**



Tube OD	Female NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	664X4	10
5/32"	1/8"	665X4	10
1/4"	1/8"	668X4	10
1/4"	1/4"	668X8	10
3/8"	1/4"	6612X8	10
3/8"	3/8"	6612X12	5



# Brass Push-In Fittings

## Unions

Tube OD	Forged Brass Part #	Optional Qty
1/8"	624	20
5/32"	625	10
1/4"	628	10
3/8"	6212	10
1/2"	6216	5



#### **Bulkhead Unions**

Tube OD	Male NPT	Forged Brass Part #	Optional Qty
1/8"	7/16"-20	824	10
5/32"	7/16"-20	825	10
1/4"	1/2"-20	828	10
3/8"	3/4"-16	8212	5
1/2"	15/16"-16	8216	5



# Male Elbows

Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	694X4	10
5/32"	1/8"	695X4	10
3/16"	1/8"	696X4	10
1/4"	1/8"	698X4	10
1/4"	1/4"	698X8	10
1/4"	3/8"	698X12	10
3/8"	1/8"	6912X4	10
3/8"	1/4"	6912X8	10
3/8"	3/8"	6912X12	10
1/2"	1/4"	6916X8	5
1/2"	3/8"	6916X12	5



#### **Female Elbows**

Tube OD	Female NPTF	Forged Brass Part #	Optional Qty
5/32"	1/8"	705X4	10
1/4"	1/8"	708X4	10
1/4"	1/4"	708X8	5
3/8"	1/4"	7012X8	5





# Brass Push-In Fittings

## **Union Elbows**



Tube OD	Forged Brass Part #	Optional Qty
1/8"	654	10
5/32"	655	10
1/4"	658	10
3/8"	6512	10
1/2"	6516	5

## **Male Swivel Elbows**



Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	69S4X4	10
5/32"	10-32 <sup>1</sup>	69S5X10	10
5/32"	1/8"	69S5X4	10
5/32"	1/4"	69S5X8	10
1/4"	10-32 <sup>1</sup>	69S8X10	10
1/4"	1/8"	69S8X4	10
1/4"	1/4"	69S8X8	10
1/4"	3/8"	69S8X12	10
3/8"	1/8"	69S12X4	10
3/8"	1/4"	69S12X8	10
3/8"	3/8"	69S12X12	5
3/8"	1/2"	69S12X16	5
1/2"	3/8"	69S16X12	5
1/2"	1/2"	69S16X16	5

<sup>&</sup>lt;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"	724X4	10
5/32"	1/8"	725X4	10
1/4"	1/8"	728X4	10
1/4"	1/4"	728X8	5
3/8"	1/8"	7212X4	5
3/8"	1/4"	7212X8	5
3/8"	3/8"	7212X12	5
1/2"	3/8"	7216X12	5

## **Union Tees**



Tube OD	Forged Brass Part #	Optional Qty
1/8"	644	10
5/32"	645	10
3/16"	646	10
1/4"	648	10
3/8"	6412	5
1/2"	6416	5

# Brass Push-In Fittings

#### **Male Swivel Branch Tees**

Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	72S4X4	10
5/32"	1/8"	72S5X4	10
1/4"	1/8"	72S8X4	10
1/4"	1/4"	72S8X8	5
3/8"	1/4"	72S12X8	5
3/8"	3/8"	72S12X12	5
1/2"	3/8"	72S16X12	5
1/2"	1/2"	72S16X16	5



## **Male Run Tees**

Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	714X4	10
5/32"	1/8"	715X4	10
1/4"	1/8"	718X4	10
1/4"	1/4"	718X8	5
3/8"	1/8"	7112X4	5
3/8"	1/4"	7112X8	5
3/8"	3/8"	7112X12	5
1/2"	3/8"	7116X12	5



#### **Male Swivel Run Tees**

Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	71S4X4	10
5/32"	10-32 <sup>1</sup>	71S5X10	10
5/32"	1/8"	71S5X4	5
1/4"	1/8"	71S8X4	5
1/4"	1/4"	71S8X8	5
3/8"	1/4"	71S12X8	5
3/8"	3/8"	71S12X12	5
1/2"	3/8"	71S16X12	5
1/2"	1/2"	71S16X16	5



<sup>&</sup>lt;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.

- 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

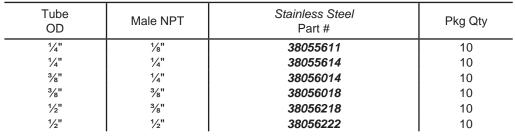
# Compatible with a range of tubes:

- · 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**



internal hex allows ease of assembly in tight places

#### Unions



Tube OD	Stainless Steel Part #	Pkg Qty
1/4"	38065600	10
3/8"	38066000	10
1/2"	38066200	10

#### **Bulkhead Connectors Unions**



Tube OD	Stainless Steel Part #	Pkg Qty
1/4"	38165600	10
3/8"	38166000	10
1/2"	38166200	10





# Stainless Steel Legris Push-In Fittings

## **Male Elbows**

Tube OD	Male NPT	Stainless Steel Part #	Pkg Qty
1/4"	1/8"	38895611	10
1/4"	1/4"	38895614	10
3/8"	1/4"	38896014	10
3/8"	3/8"	38896018	10
1/2"	3/8"	38896218	10
1/2"	1/2"	38896222	10



• body is orientable for positioning purposes

# **Equal Elbow Unions**

Tube OD	Stainless Steel Part #	Pkg Qty
1/4"	38025600	10



#### **Union Tees**

Tube OD	Stainless Steel Part #	Pkg Qty
1/4"	38045600	10
3/8"	38046000	10
1/2"	38046200	10



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## 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>	36010420	10
5/32"	1/8"	36750411	10
5/32"	1/4"	36750414	10
1/4"	10-32 <sup>1</sup>	36015620	10
1/4"	1/8"	36755611	10
1/4"	1/4"	36755614	10
1/4"	3/8"	36755618	10
3/8"	1/8"	36756011	10
3/8"	1/4"	36756014	10
3/8"	3/8"	36756018	10
3/8"	1/2"	36756022	10
1/2"	3/8"	36756218	10
1/2"	1/2"	36756222	10

<sup>&</sup>lt;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"	36150414	10
1/4"	1/8"	36155611	10
1/4"	1/4"	36155614	10
3/8"	1/4"	36156014	10
3/8"	3/8"	36156018	10
1/2"	3/8"	36156218	10
1/2"	1/2"	36156222	10

#### **Equal Unions**



<u> </u>		
Tube OD	<i>Nickel-plated Brass</i> Part #	Optional Qty
5/32"	36060400	10
1/4"	36065600	10
3/8"	36066000	10
1/2"	36066200	10

# Nickel-Plated Brass Legris Push-In Fittings

## **Union Elbows**

Tube OD	Nickel-plated Brass Part #	Optional Qty
5/32"	36020400	10
1/4"	36025600	10
3/8"	36026000	10
1/2"	36026200	10



#### **Male Elbows**

Tube OD	Male NPT	Nickel-plated Brass Part #	Optional Qty
5/32"	10-32 <sup>1</sup>	36990420	10
5/32"	1/8"	36090411	10
5/32"	1/4"	36090414	10
1/4"	1/8"	36095611	10
1/4"	1/4"	36095614	10
1/4"	3/8"	36095618	10
3/8"	1/4"	36096014	10
3/8"	3/8"	36096018	10
3/8"	1/2"	36096022	10
1/2"	1/2"	36096222	10



- <sup>1</sup> UNF Straight thread, supplied with gasket and plastic button
- body is orientable for positioning purposes

#### **Union Tees**

Tube OD	<i>Nickel-plated Brass</i> Part #	Optional Qty
5/32"	36040400	10
½"	36045600	10
<sup>3</sup> /8"	36046000	10
1/2"	36046200	10



#### **Male Run Tees**

Tube OD	Male NPT	Nickel-plated Brass Part #	Optional Qty
5/32"	10-32 <sup>1</sup>	36930420	10
5/32"	1/8"	36030411	10
5/32"	1/4"	36030414	10
1/4"	1/8"	36035611	10
1/4"	1/4"	36035614	10
1/4"	3/8"	36035618	10
3/8"	1/4"	36036014	10
3/8"	3/8"	36036018	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
- 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)

#### **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.



**Gripping Ring Technology** 





Male Connectors			
Tube OD	Male NPT	Nylon / Nickel-plated Brass Part #	Optional Qty
1/8"	1/16"	31755308	10
1/8"	1/8"	31755311	10
1/8"	1/4"	31755314	10
5/32"	1/8"	31750411	10
5/32"	1/4"	31750414	10
1/4"	1/8"	31755611	10
1/4"	1/4"	31755614	10
1/4"	3/8"	31755618	10
5/16"	1/8"	31750811	10
5/16"	1/4"	31750814	10
5/16"	3/8"	31750818	10
3/8"	1/8"	31756011	10
3/8"	1/4"	31756014	10
3/8"	3/8"	31756018	10
3/8"	1/2"	31756022	10
1/2"	1/4"	31756214	10
1/2"	3/8"	31756218	10
1/2"	1/2"	31756222	10

#### **Female Connectors**

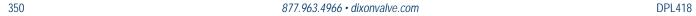


Tube OD	Female NPT	Nylon / Nickel-plated Brass Part #	Optional Qty
1/8"	1/8"	30145311	10
1/8"	1/4"	30145314	10
5/32"	1/8"	30140411	10
5/32"	1/4"	30140414	10
1/4"	1/8"	30145611	10
1/4"	1/4"	30145614	10
5/16"	1/8"	30140811	10
5/16"	1/4"	30140814	10
3/8"	1/8"	30146011	10
3/8"	1/4"	30146014	10
3/8"	3/8"	30146018	10

#### **Hybrid Male Connectors**



• • • • • • • • • • • • • • • • • • • •				
	Tube OD	Male BSPT	Nylon / Nickel-plated Brass Part #	Optional Qty
	1/4"	1/8"	31755610	10
	1/4"	1/4"	31755613	10
	3/8"	1/4"	31756013	10



Pneumatic Fittings

# 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	<i>Nylon / Nickel Plated Brass</i> 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
	hread supplied with	gasket	•



- <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



<sup>•</sup> 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 ¹	31085320	10
1/8"	1/8"	31085311	10
5/32"	10-32 <sup>1</sup>	31080420	10
5/32"	1/8"	31080411	10
5/32"	1/4"	31080414	10
1/4"	1/8"	31085611	10
1/4"	1/4"	31085614	10
1/4"	3/8"	31085618	10
5/16"	1/8"	31080811	10
5/16"	1/4"	31080814	10
5/16"	3/8"	31080818	10
3/8"	1/8"	31086011	10
3/8"	1/4"	31086014	10
3/8"	3/8"	31086018	10
3/8"	1/2"	31086022	10
1/2"	1/4"	31086214	10
1/2"	3/8"	31086218	10
1/2"	1/2"	31086222	10

- <sup>1</sup> UNF Straight thread, supplied with gasket
- body is orientable for positioning purposes

#### **Male Run Tees**



Tube Male Nylon	/ Nickel-Plated Brass Ontional Oty
OD NPT	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"	31480411	10
5/32"	1/4"	31480414	10
1/4"	1/8"	31485611	10
1/4"	1/4"	31485614	10

• body is orientable for positioning purposes

# Nylon Legris Push-In Fittings

## Unions

Tube OD	<i>Nylon</i> 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	<i>Nylon</i> 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	<i>Nylon</i> 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	<i>Plastic</i> 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	<i>Nylon</i> 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	<i>Nylon</i> 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** 

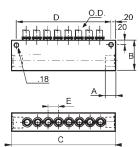
## Kit contains the following parts:



Part #	Qty	Description	
31755311	10	tube to male NPT connector	
31750411	10	tube to male NPT connector	
31755611	10	tube to male NPT connector	
31755614	10	tube to male NPT connector	
31756014	5	tube to male NPT connector	
31756018	5	tube to male NPT connector	
31090411	10	tube to male NPT elbow	
31095611	10	tube to male NPT elbow	
31095614	10	tube to male NPT elbow	
31096011	5	tube to male NPT elbow	
31096014	5	tube to male NPT elbow	
31096018	5	tube to male NPT elbow	
31060400	10	tube to tube union	
31065600	10	tube to tube union	
31066000	5	tube to tube union	
31400400	10	Y connector	
31405600	10	Y connector	
31406000	5	Y connector	
31040400	10	tube to tube union tee	
31045600	5	tube to tube union tee	
31046000	5	tube to tube union tee	
30007100	1 1	tubing cutter	

# Legris Modular Manifolds





#### Feature:

• manifold with push to connect ports

OD	NPT Size	Number of Outlets	А	Dim B	ensid	ons D	E	Part #
1/4"	1/4"	8	.55	1.30	4.92	4.53	.50	33155614

## 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"	79100400
1/4"	79105600
5/16"	79100800
3/8"	79106000



# 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 brasspiston: polyurethane
- seals: nylon

NPT Thread	Part #
1/8"	79821111
1/4"	79821414
3/8"	79821818
1/2"	79822222



# Legris Compact Flow Control Valves

- 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"	70650411	10
1/4"	1/8"	70655611	10
1/4"	1/4"	70655614	10
3/8"	1/4"	70656014	10
3/8"	3/8"	70656018	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
- 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>	76600420	10
5/32"	1/8"	76650411	10
1/4"	10-32 <sup>1</sup>	76605620	10
1/4"	1/8"	76655611	10
1/4"	1/4"	76655614	10

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"	77700400	10
1/4"	77705600	10
3/8"	77706000	10
1/2"	77706200	10

#### **Threaded In-Line**

- 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"	77751111
1/4"	77751414
3/8"	77751818
1/2"	77752222



## 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"	79960400	10
6mm	79960600	10
1/4"	79965600	10
5/16"	79960800	10



#### In-Line

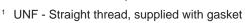
#### Application:

· 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>	79940420
5/32" 1/8"	79950411
1/4" 1/8"	79955611
1/4" 1/4"	79955614
3/8" 1/4"	79956014
3/8" 3/8"	79956018





#### **Uni-Directional**

- 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





# Legris Metric Push-In 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 the produce the pre-applied thread sealant on all thread produces the pre-applied thread sealant on all thread produces the pre-applied thread sealant on all thread produces the pre-applied thread sealant on all thread produces the pre-applied thread sealant on all thread produces the pre-applied thread sealant on all thread s reusable: connect and disconnect numerous times

  - 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"	31750410	10
4 mm	1/4"	31750413	10
6 mm	1/8"	31750610	10
6 mm	1/4"	31750613	10
8 mm	1/8"	31750810	10
8 mm	1/4"	31750813	10
8 mm	3/8"	31750817	10
10 mm	1/4"	31751013	10
10 mm	3/8"	31751017	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"	31140410	10
4 mm	1/4"	31140413	10
6 mm	1/8"	31140610	10
6 mm	1/4"	31140613	10
8 mm	1/8"	31140810	10
8 mm	1/4"	31140813	10

#### **Male BSPT Elbows**



	1		1
Tube OD Male BSPT		Nylon / Nickel Plated Brass Part #	Pkg Qty
4 mm	1/8"	31090410	10
4 mm	1/4"	31090413	10
6 mm	1/8"	31090610	10
6 mm	1/4"	31090613	10
8 mm	1/8"	31090810	10
8 mm	1/4"	31090813	10
8 mm	3/8"	31090817	10
10 mm	1/4"	31091013	10
10 mm	3/8"	31091017	10

· body is orientable for positioning purposes

# Legris Metric Push-In Fittings

# **Male Branch Tees**

Tube OD	Male BSPT	Nylon / Nickel Plated Brass Part #	Pkg Qty
4 mm	1/8"	31080410	10
4 mm	1/4"	31080413	10
6 mm	1/8"	31080610	10
6 mm	1/4"	31080613	10
8 mm	1/8"	31080810	10
8 mm	1/4"	31080813	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)

-		ze	Wall Thickness	Working Pressure	Length	Part #
	OD	ID		@ 75°F (24°C)	_0g	
	4 mm	2.7 mm	.65 mm	350	25 m	1025P0400
	6 mm	4 mm	1 mm	340	25 m	1025P0600
	8 mm	6 mm	1 mm	250	25 m	1025P0800



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 Part #	Pkg Qty
4 mm	M5	31010419	10
4 mm	1/4 BSPP	31010410	10
6 mm	M5	31010619	10
6 mm	⅓ BSPP	31010610	10
6 mm	1/4 BSPP	31010613	10
8 mm	1/8 BSPP	31010810	10
8 mm	1/4 BSPP	31010813	10
10 mm	1/4 BSPP	31011013	10



# **Bulkhead Union**

Tube OD	Tube OD	<i>Nylon</i> Part #	Pkg Qty
6 mm	6 mm	31160600	10



# Unions

Tube OD	Tube OD	<i>Nylon</i> Part #	Pkg Qty
4 mm	6 mm	31060406	10
6 mm	6 mm	31060600	10
10 mm	10 mm	31061000	10



# Legris Metric Push-In Fittings

# **Male Elbows**



Tube OD	Male Thread	Nylon / Nickel Plated Brass Part #	Pkg Qty
4 mm	M5	31990419	10
4 mm	1/8 BSPP	31990410	10
6 mm	M5	31990619	10
6 mm	1/8 BSPP	31990610	10
6 mm	1/4 BSPP	31990613	10
8 mm	1/8 BSPP	31990810	10
8 mm	1/4 BSPP	31990813	10
10 mm	1/4 BSPP	31991013	10

• body is orientable for positioning purposes

# **Union Elbows**



Tube OD	Tube OD	<i>Nylon</i> Part #	Pkg Qty
6 mm	6 mm	31020600	10
10 mm	10 mm	31021000	10

# **Union Tees**



Tube OD	<i>Nylon</i> Part #	Pkg Qty
6 mm	31040600	10
10 mm	31041000	10

# **Y Connector**



Tube OD	Tube OD	<i>Nylon</i> Part #	Pkg Qty
6 mm	6 mm	31400600	10

# Plugs



Tube OD	Tube OD	<i>Plastic</i> Part #	Pkg Qty
6 mm	6 mm	31260600	10
10 mm	10 mm	31261000	10

Safety Cables	362 to 364	FRL's (cont.)
King Cable™	362	Regulators
Nylon King Cable™	363	Lubricators
King™ safety whipsocks	364	Combination units
King™ safety shackles	364	Accessories and i
ASME air receiver manifold with King™ safety	whipsock 364	
		Gauges
Air Tanks and Manifolds	365 to 367	Dry
ASME air receiver manifolds	365 to 366	Process
Manifolds	366 to 367	Panel builder
Compressor Y	367	Contractor pressure
Lubricants	367	Compound
		Vacuum
Blow guns	371 to 375	Liquid filled
Safety	371 to 372	Welding
Non-Safety	373	Digital
Heavey duty	374	180° steam gauge s
High volume	375	
		Thermometer
Tire pressure gauges	376	Bi-metal
		Magnetic surface m
FRL's 368 to 370,	377 to 434	Threaded thermowe
In-line lubricators	368 to 369	
In-line filters	368, 369, 370	Swivel Fittin
Non-repairable general purpose regulator	370	Ball
Wilkerson	377 to 405	Push-on
Miniatures	377 to 380	In-line
Filters	381 to 385	Air tool swivel
Manual in-line desiccant dryer	386	
Regulators	386 to 92	Mufflers and
Filter / regulator	391 to 392	Breather Vents
Lubricators	392 to 395	Conical muffler
Combination units	395 to 399	Speed control mu
Exhaust mufflers	399	
Automatic drains	400	
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	The constant vibrat
Filter / regulators	415 to 416	pavement breakers, especially the quick-
Lubricators	417 to 420	coupling breakage a
Combination units	421	the use of a whip ho
Accessories and repair kits	422 to 427	end of a short (3' to type steel nipple. Co
Watts	428 to 434	supply using the sta
Filters	428	treated 3500 nipple
Filter / regulators	429	standard coupling a

FRL's (cont.) 368 to 370, Regulators		
Lubricators		
Combination units		
Accessories and repair kits		
Accessories and repair kits		433 10 434
Gauges	435	to 444
Dry		435 to 438
Process		437
Panel builder		439
Contractor pressure		439
Compound		440
Vacuum		440
Liquid filled		441 to 443
Welding		443
Digital		444
180° steam gauge siphon		444
0 0 .		
Thermometers	445	
Thermometers	445	445 to 446
Thermometers  Bi-metal  Magnetic surface mount	445	445 to 446
Thermometers	445	445 to 446
Thermometers  Bi-metal  Magnetic surface mount  Threaded thermowell	445	445 to 446 446
Thermometers  Bi-metal  Magnetic surface mount  Threaded thermowell  Swivel Fittings	445	445 to 446 446 447
Thermometers  Bi-metal  Magnetic surface mount  Threaded thermowell  Swivel Fittings  Ball	445	445 to 446 
Thermometers  Bi-metal  Magnetic surface mount  Threaded thermowell  Swivel Fittings  Ball  Push-on	445	445 to 446
Thermometers  Bi-metal  Magnetic surface mount  Threaded thermowell  Swivel Fittings  Ball	445	445 to 446 446 447 447 447
Thermometers  Bi-metal  Magnetic surface mount  Threaded thermowell  Swivel Fittings  Ball  Push-on  In-line  Air tool swivel	445	445 to 446 
Thermometers  Bi-metal  Magnetic surface mount  Threaded thermowell  Swivel Fittings  Ball  Push-on  In-line  Air tool swivel  Mufflers and Vents	445	445 to 446446447447447447
Thermometers  Bi-metal  Magnetic surface mount  Threaded thermowell  Swivel Fittings  Ball  Push-on  In-line  Air tool swivel  Mufflers and Vents  Breather Vents	445	445 to 446446447447447447
Thermometers  Bi-metal  Magnetic surface mount  Threaded thermowell  Swivel Fittings  Ball  Push-on  In-line  Air tool swivel  Mufflers and Vents	445	445 to 446446447447447447448448

# **AWARNING**

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







correct installation

# **Hose-to-Tool Service**



hose end tool end

Hose ID	Cable	Length	Working Pressure (PSI)	<i>Steel</i> Part #	Stainless Steel Part #
1/2" - 11/4"	1/8"	201/4"	200	WSR1	WSR1SS
1/2" - 2"	3/16"	28"	200	WSR3	
1½" - 3"	1/4"	38"	200	WSR2	WSR2SS
4"	3/8"	44"	200	WSR4	

# **Hose-to-Hose Service**



Hose ID	Cable	Length	Maximum Working Pressure (PSI)	<i>Steel</i> Part #	Stainless Steel Part #
1/2" - 11/4"	1/8"	201/4"	200	WB1	WB1SS
1/2" - 2"	3/16"	28"	200	WB3	
1½" - 3"	1/4"	38"	200	WA2	WA2SS
4"	3/8"	44"	200	WA4	

# King Cable™ Options





WB1C - WB1 with safety clip and lanyard

WSR1E - WSR1E with stainless steel marine eye

DPL418

Hose ID	Cable	Part #	Description	Max. Work. Press. PSI
1/2" - 11/4"	1/8"	WSR1C	WSR1 with safety clip and lanyard used to lock Air King™ couplings	200
1/2" - 11/4"	1/8"	WB1C	WB1 with safety clip and lanyard used to lock Air King™ couplings	200
1/2" - 11/4"	1/8"	WSR1E	WSR1 with stainless steel safety marine eye used to connect safety cable to a bolt on tool	200
1½" - 3"	1/4"	WA2B	WA2 with bronze/copper ferrule for special environmental conditions	200

# G

# 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:    1/2								Nylon
		naximu		<u> </u>					Part #
30"	26,000	6,500	2,900	1,650	400			-	WBN130
40"				1,650	400	175	100	-	WBN140
30"	52,000	13,000	5,800	3,300	750			-	WBN230
64"					750	350	200	90	WBN264
44"				7,300	1,800	820	450	-	WBN344
64"					2,300	1,040	580	260	WBN464



G

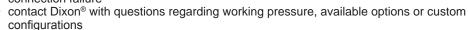


# King™ Safety Whipsocks

### Application:

ideally suited for applications where the media being transferred is under higher working pressures such as air, water, hydraulic and slurry

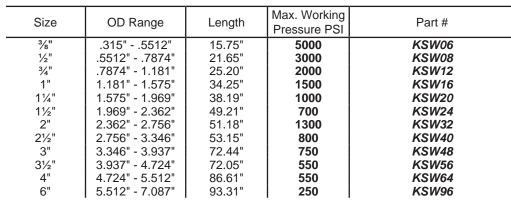
- King™ Safety Whipsocks keep the hose under control in the event of a high-pressure hose assembly failure.
- dual anchor points secured beyond the fittings eliminate hose whip
- be sure the anchoring points are rated for the application
- galvanized steel woven stockings extend down the hose to grip 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





### **Materials:**

- wire rope: galvanized carbon steel
- ferrules: aluminum







# King™ Safety Shackles

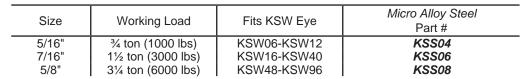
# **Applications:**

- 2 shackles are used to anchor the King<sup>™</sup> 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





# ASME Air Receiver Manifold with King™ Safety Whipsock for Supply Hose

- · 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	1217AR-4AK-KSW





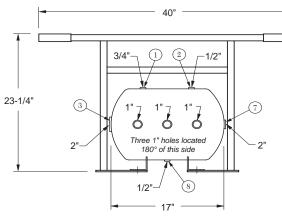
# ASME Air Receiver Manifold

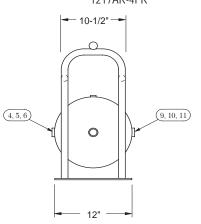
### Features:

- 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









Dixon® 1217AR-4AK air receiver manifold assembly with Air King™ outlet ports includes the following components:

Part # / Locations	Qty	Description			
1217AR-4	1	ASME compressed air receiver			
1217FRAME	1	protective frame			
Location 1	1	3731204C 3/4" male x 1/4" female hex bushing			
	1	GL345 0-300 PSI gauge			
Location 2	1	3730804C 1/2" male x 1/4" female hex bushing			
	1	SV200 safety pop-off valve			
Location 3	1	GM28 2" male spud			
Locations	1	B27SC wing nut cap			
4, 5, 6, 9,	6	HB1075G 1" male x ¾" female bushings			
10, 11	6	3701212C 3/4" brass hex nipples			
10, 11	6	BBLV75 ball valves			
	6	SCVS6 safety shut-off valves			
	6	AM7 Air King™ universal couplings			
Location 7	4	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 ½" male x ¼" female hex bushing			
	1	D04 1/4" drain cock			
		Labor cost for assembly of complete unit			
1217AR-4AK	1	7 gallon ASME compressed air receiver manifold complete assembly with Air King™			
		Tank and Frame only			
	I	7 gallon ASME compressed air receiver with frame only			

DPL418 877.963.4966 • dixonvalve.com 365



# ASME Air Receiver Manifold Assembly with Air King™ Fittings & Watts Filter

Pneumatic Accessories



# Application:

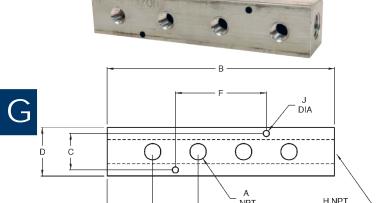
 Designed to remove compressed air contaminants such as water, compressor oil, dirt, pipe scale and water particles from the air supply at the point of entry into the ASME air receiver manifold.

### 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"	3/4"	1217AR-4AKWF

# 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 #	А	В	С	D	Е	F	G	Н	J
AMF32	1/4"	75/8"	7/8"	11/4"	11%"	3¾"	1"	3/8"	.20"
AMF42	1/4"	75/8"	11/⁄8"	1½"	11%"	3¾"	1"	1/2"	.20"
AMF43	3/8"	8"	11/8"	1½"	2"	4"	1"	1/2"	.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

BOTH ENDS

 different tools in the shop use different styles of couplers, mount 3 different style couplers on one manifold



NPT Inlet (1)	NPT Outlets (3)	<i>Aluminum</i> Part #
1/4"	1/4"	D3404
3/8"	1/4"	D3406
1/2"	1/4"	D3408

# 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)	<i>Brass</i> Part #
1/4"	1/4"	3122
3/8"	1/4"	3132
3/8"	3/8"	3133



Accessorie

# Compressor Y

### Feature:

· converts a single supply source to a dual outlet

Female NPT Inlet (1)	Male NPT Outlets (2)	<i>Iron</i> Part #
1"	3/4"	Y10075



# Anti-Freeze Lubricants

# Application:

• winter grade air tool lubricant prevents air line, air tool and in-line lubricator freeze-up

- can be poured directly into tool or used with air line lubricators
- minimum temperature -45°F (-43°C)

Size	Part #	Optional Qty
1 pint	DATL016W	12
1 gallon	DATL128W	4





# Air Tool Lubricants

# Application:

· high grade lubricant prolongs the service life of air tools, cylinders and accessories

- #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	DATL016	12
1 gallon	DATL128	4





gallon

# Pneumatic Accessories

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# In-Line Lubricators

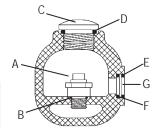
### Features:

- 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

A	

NPT Size	Oil Capacity	Maximum Working Pressure at ambient temperature (70°F)	Air Flow at 70 PSI	<i>Aluminum</i> Part #
1/2"	1.4 fluid ozs.	500 PSI	30 SCFM	PL300
3/4"	3.7 fluid ozs.	200 PSI	70 SCFM	PL400
3/4"	11.0 fluid ozs.	300 PSI	70 SCFM	PL400L
1"	16.0 fluid ozs.	250 PSI	100 SCFM	PL500

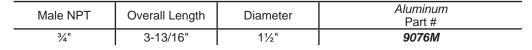
# **Replacement Parts**



Description	Part #
(A) oil adjustment valve assembly	851661
(B) valve gasket	452531
(C) fill plug	452525
(D) fill plug O-ring	700013-214
(E) sight disk	452532
(F) sight disk seal	700013-016
(G) sight disk lock nut	452533

# In-Line Air Filter

- · 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





# 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	Overall	Hex	Air Flow	Brass
<u>NPT</u>	Length			Part #
1/4"	1½"	9/16"	20 SCFM	ASP3102-40
1/2"	2"	7/8"	50 SCFM	ASP3104-40



# 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)	<i>Aluminum</i> Part #
3/4"	3.7 fluid ozs.	200 PSI	PL400WF
3/4"	11.0 fluid ozs.	300 PSI	PL400LWF



# Mini In-Line Lubricators

- · can be refilled under line pressure
- oil capacity: 1/4 fluid ounce
- flow rating: 22 SCFM at 100 PSIG
- maximum operating pressure: 200 PSIG
- maximum temperature: 150°F (66°C)

Female NPT I	nlet Outlet	Aluminum Part #
1/4"	1/4" female NPT	ML200
1/4"	1/4" male NPT	ML200M
3/8"	3%" male NPT	ML300M



Mini In-Line Filter



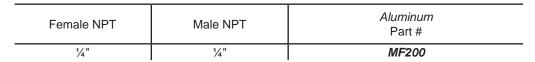
Accessories

**Pneumatic** 

### 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)



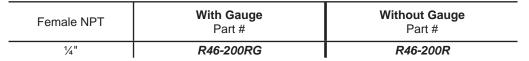
# **Replacement Element**



Description	Part #
with O-ring	FRP-95-199

# Series 1 Non-Repairable General Purpose Regulators

- · 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







Accessories

# 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
- 1/4" 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

# Pneumatic Accessories



# 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



Part #

PG700

# 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
- 1/4" female NPT inlet
- Safety glasses or shield must be worn when using any blow gun.



Part #

ENBG1

# Safety Tip

### Features:

- 1/8" 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:

- 1/8" 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** 

Accessories

# 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



Р	art	#

# 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

D201
Part #

# Extensions

- 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<sup>®</sup> 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"	BGE6
10"	BGE10
12"	BGE12
18"	BGE18
24"	BGE24



# 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
- 1/4" 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.





Description	Part #
gun with <i>no</i> extension	HTBG
gun with 6" extension	HTBG6
gun with 12" extension	HTBG12
gun with 24" extension	HTBG24
gun with 36" extension	HTBG36

# Heavy Duty - High Volume with Quiet Conical Tip





# Feature:

• 6.0 CFM

Description	Part #
gun with tip only	HTBG-CT

### **Accessories**



Female NPT Inlet (1)	Aluminum Part #	<i>Brass</i> Part #
6" extension with safety tip	HTBG6EXT	
12" extension with safety tip	HTBG12EXT	
24" extension with safety tip	HTBG24EXT	
36" extension with safety tip	HTBG36EXT	
safety tip	HTBGS	
conical tip	HTBGC	
tip adapter	HTBGA	
high flow female coupler		2CJF2-B
high flow male plug		CJ2M2-B

# **High Volume** Typhoon Blow Guns

# Features:

- chrome plated aluminum body
- · variable flow control
- 1/4" 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	TYP2501
gun with 6" extension	TYP2501-6
gun with 12" extension	TYP2501-12
gun with 24" extension	TYP2501-24
gun with 36" extension	TYP2501-36



# 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:

- 3/4" female NPT inlet
- minimum inlet pressure 90 PSI on 1/2" 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.



G

Part # 9000-48S

# 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



- 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:

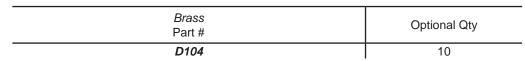
- · heavy duty hang-up ring
- calibrated in 2 PSI increments from 10 to 150 PSI

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)
- 1/4" NPT female thread
- maximum pressure is 150 PSI



DPL418







# F03 Miniature Filters

### Features:

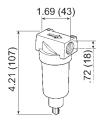
- · excellent water removal efficiency
- 5 micron element
- .5 oz. bowl
- · maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)
  - metal bowl: 250 PSIG (17.2 bar) and 32°F to 175°F (0°C to 80°C)

		Transpar	ent Bowl	Metal	Bowl
Port Size	(SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/8"	22	F03-01A	F03-01M	F03-01AMB	F03-01MMB
1/4"	24	F03-02A	F03-02M	F03-02AMB	F03-02MMB

SCFM ratings at 90 PSIG inlet pressure.



transparent bowl



1.60 (41)

Bowl Removal
Clearance

# 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)

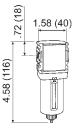
		Transparent B	owl and Guard	Metal	Bowl
Port Size	(SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	50	F08-02A	F08-02M	F08-02AMB	F08-02MMB

See pages 401 to 405 for accessories.

SCFM ratings at 150 PSIG inlet pressure.



metal bowl



1.31 (33) Bowl Removal Clearance

# **R03 Miniature Regulators**

# Features:

- 2-125 PSI adjusting range
- balanced valve design
- · self-relieving standard
- non-rising push/pull locking adjustment knob
- two 1/s" NPT gauge ports standard on models without gauge, one 1/s" NPT gauge port
  - 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)

	300 1 313 (20:11 bat) and 32 1 to 120 1 (0 3 to 32 3)				
Size	Flow (SCFM)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #		
1/8"	13	R03-01RG	R03-01R		
1/4"	15	R03-02RG	R03-02R		

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	<b>With Gauge</b>	<b>Without Gauge</b>
	(SCFM)	Part #	Part #
1/4"	44	R08-02RG	R08-02R

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	<b>With Gauge</b>	<b>Without Gauge</b>
	(SCFM)	Part #	Part #
1/8"	11	RB3-01RG	RB3-01R
1/4"	14	RB3-02RG	RB3-02R

SCFM ratings at 100 PSIG inlet pressure.

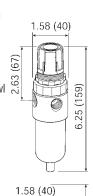
See pages 401 to 405 for accessories.

# BB3 Miniature Filters / Regulators

# transparent bowl

2.56 (65)

1.58 (40)



Bowl Removal

### 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)

		Transpar	ent Bowl	Metal	Bowl
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part#
1/8"	13	BB3-01AG	BB3-01MG	BB3-01AGMB	BB3-01MGMB
1/4"	16	BB3-02AG	BB3-02MG	BB3-02AGMB	BB3-02MGMB

SCFM ratings at 150 PSIG inlet pressure.

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Accessories

# 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)

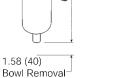
	]	Transparent Bowl and Guard		Metal Bowl	
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part#
1/4"	42	B08-02AG	B08-02MG	B08-02AGMB	B08-02MGMB

See pages 401 to 405 for accessories.

SCFM ratings at 100 PSIG inlet pressure.

L03 Miniature Lubricators





Clearance

# 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.







- 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)	<b>Transparent Bowl</b> Part #	<b>Metal Bowl</b> Part #
1/8"	20	L03-01A	L03-01AMB
1/4"	20	L03-02A	L03-02AMB

SCFM ratings at 90 PSIG inlet pressure.



# 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	<b>Transparent Bowl</b>	<b>Metal Bowl</b>
	(SCFM)	Part #	Part #
1/4"	57.5	L08-02A	L08-02AMB



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.

# Accessories **Pneumatic**



transparent bowl



1.60 (41) Bowl Removal Clearance

# 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

		Transparent B	owl and Guard	Metal	Bowl
Size	Flow	Automatic Drain	Manual Drain	Automatic Drain	Manual Drain
	(SCFM)	Part #	Part #	Part #	Part#
1/8"	20	C03-01A	C03-01M	C03-01AMB	C03-01MMB
1/4"	20	C03-02A	C03-02M	C03-02AMB	C03-02MMB

SCFM ratings at 100 PSIG inlet pressure.



metal bowl

# 4.72 (120)

1.31 (33) Bowl Removal Clearance

# C08 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 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

		Transparent B	owl and Guard	Metal	Bowl
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part#
1/4"	44	C08-02A	C08-02M	C08-02AMB	C08-02MMB



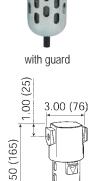
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# F16 Compact Airline Filters

### 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)

		Transparent B	owl and Guard	Metal	Bowl
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part#
1/4"	63.0	F16-02A	F16-02M	F16-02AMB	F16-02MMB
3/8"	74.1	F16-03A	F16-03M	F16-03AMB	F16-03MMB
1/2"	80.4	F16-04A	F16-04M	F16-04AMB	F16-04MMB



# F18 Compact Airline Filters

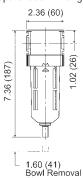
### Features:

- · 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)

		Transparent B	owl and Guard	Metal Bowl wi	th Sight Glass
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	110	F18-02A	F18-02M	F18-02AMB	F18-02MMB
3/8"	120	F18-03A	F18-03M	F18-03AMB	F18-03MMB
1/2"	145	F18-04A	F18-04M	F18-04AMB	F18-04MMB



transparent bowl with guard



# F26 Standard Airline Filters

### Features:

DPL418

- 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)

		Transparent B	owl and Guard	Metal Bowl wi	th Sight Glass
Size	Flow (SCFM)	Automatic Drain	Manual Drain	Automatic Drain	Manual Drain
	(	Part #	Part #	Part #	Part #
1/4"	81.3	F26-02A	F26-02M	F26-02AMB	F26-02MMB
3/8"	117.8	F26-03A	F26-03M	F26-03AMB	F26-03MMB
1/2"	149.8	F26-04A	F26-04M	F26-04AMB	F26-04MMB

See pages 401 to 405 for accessories.



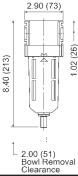
FRL's are designed for air service only, unless otherwise indicated. SCFM ratings at 150 PSIG inlet pressure.

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# G





# 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)

		Transparent B	owl and Guard	Metal Bowl wi	th Sight Glass
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part#
3/8"	144	F28-03A	F28-03M	F28-03AMB	F28-03MMB
1/2"	160	F28-04A	F28-04M	F28-04AMB	F28-04MMB
3/4"	165	F28-06A	F28-06M	F28-06AMB	F28-06MMB

# 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)

		Transparent B	owl and Guard	Metal Bowl wi	th Sight Glass
Size	Flow	Automatic Drain	Manual Drain	Automatic Drain	Manual Drain
	(SCFM)	Part #	Part #	Part #	Part #
<sup>3</sup> ⁄ <sub>4</sub> "	316	F30-06A	F30-06M	F30-06AMB	F30-06MMB
1"	323	F30-08A	F30-08M	F30-08AMB	F30-08MMB



with metal bowl

7.80 (198)

# 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)

		Heavy Duty	Metal Bowl
Size	Flow	Automatic Drain	Manual Drain
	(SCFM)	Part #	Part #
1½"	1280	F35-0BAMB	F35-0BMMB
2"	1400	F35-0CAMB	F35-0CMMB

# See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

# 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)

		With Compact Transp	arent Bowl and Guard
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	37.0	M16-02A	M16-02M
3/8"	44.7	M16-03A	M16-03M
1/2"	46.1	M16-04A	M16-04M



# M18 Compact Coalescing Filters

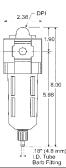
### Features:

- · 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)

		With Compact Transp	arent Bowl and Guard
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	40.0	M18-02A	M18-02M
3/8"	44.0	M18-03A	M18-03M
1/2"	48.0	M18-04A	M18-04M





# 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)

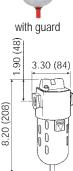
	F.	With Standard Transp	arent Bowl and Guard
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	55.0	M26-02A	M26-02M
3/8"	65.5	M26-03A	M26-03M
1/2"	79.5	M26-04A	M26-04M

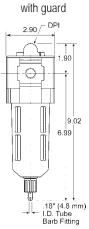
See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.







# 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/m³ with minimum pressure drop
- modern design and appearance
- light weight
- high flow capacity
- 6 oz. bowl
- maximum operating conditions:

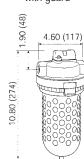
150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)

	-	Compact Transpare	nt Bowl and Guard
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	82.0	M28-03A	M28-03M
1/2"	90.0	M28-04A	M28-04M
3/4"	98.0	M28-06A	M28-06M

# M30 Jumbo Coalescing Filters



with guard



# 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)

	Flow (SCFM)	Jumbo Transparent Bowl and Guard
Size		Automatic Drain Part #
1/2"	123	M30-04A
3/4"	173	M30-06A
1"	203	M30-08A

See pages 401 to 405 for accessories.



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# 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



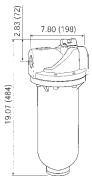
### Features:

- 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)

		Metal Bowl
Size	Flow (SCFM)	Automatic Drain Part #
1½"	710	M35-0BAMB
2"	710	M35-0CAMB



M35-0CAMB



See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

# 20 (30) 4.63 (118) (311) Transparent Bowl (274) Metal Bowl 80

1.33

(33.8)

2.24

(56.9) 3.19 (81)

(24)

10. 2

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:

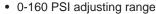
- · will dry up to 4400 standard cubic feet of air
- desiccant; good for approximately 440 minutes at maximum continuous air flow before regeneration is required
- silica gel changes from blue to pink to indicate the need to replace or regenerate the desiccant
- slotted bowl guard for visual detection 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
- 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	<b>Transparent Bowl</b>	<b>Metal Bowl</b>
	(SCFM)	Part #	Part #
1/4"	10	X03-02	X03-02MB

# 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.





- balanced valve design
- relieving type
- non-rising pressure adjusting dial
- piston operated
- 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 pressure: 300 PSIG (20.7 bar)
- temperature range: 32°F to 150°F (0°C to 66°C)

Size	Flow (SCFM)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #
1/4"	117	R21-02RG	R21-02R
3/8"	180	R21-03RG	R21-03R
1/2"	195	R21-04RG	R21-04R
3/4"	220	R21-06RG	R21-06R

See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

# 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°Cto 66°C)

Size	Flow (SCFM)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #
1/4"	71.5	R16-02RG	R16-02R
3/8"	80.5	R16-03RG	R16-03R
1/2"	88.0	R16-04RG	R16-04R



# R16 High Pressure Compact Regulators

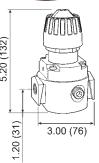
### Features:

- 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 ½" 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)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #
1/4"	71.5	R16-02RHG	R16-02RH
3/8"	80.5	R16-03RHG	R16-03RH
1/2"	88.0	R16-04RHG	R16-04RH





# **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:

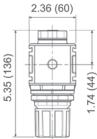
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

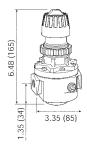
Size	Flow (SCFM)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #
1/4"	82	R18-02RG	R18-02R
3/8"	97	R18-03RG	R18-03R
1/2"	97	R18-04RG	R18-04R

See pages 401 to 405 for accessories.









# R26 Standard Regulators

### 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°Cto 66°C)

Size	Flow (SCFM)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #
1/4"	112	R26-02RG	R26-02R
3/8"	148	R26-03RG	R26-03R
1/2"	185	R26-04RG	R26-04R

# R26 High Pressure Standard Regulators

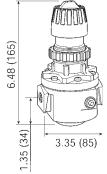


# Features:

- 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 standardon 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)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #
1/4"	112	R26-02RHG	R26-02RH
3/8"	148	R26-03RHG	R26-03RH
1/2"	185	R26-04RHG	R26-04RH





See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

# 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 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)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #
3/8"	162	R28-03RG	R28-03R
1/2"	170	R28-04RG	R28-04R
3/4"	176	R28-06RG	R28-06R



# 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 ¼" NPT gauge ports standard on models without gauge, one ½" 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)	<b>With Gauge</b> Part #	Without Gauge Part #
3/4"	481	R30-06RG	R30-06R
1"	500	R30-08RG	R30-08R



# G

# 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 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)

Siz	e Flow (SCFM)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #
3/4	481	R30-06RHG	R30-06RH
1"	500	R30-08RHG	R30-08RH



See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.



# 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)	<b>With Gauge</b> Part #	<b>Without Gauge</b> Part #
1½"	1200	R40-0BRG	R40-0BR
2"	1200	R40-0CRG	R40-0CR
•	•	•	



# 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 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)

W With Gauge M) Part #	Without Gauge Part #
	R40-0BRH R40-0CRH
F 20	Part #

See pages 401 to 405 for accessories.



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# 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.

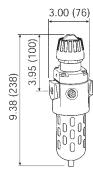
### Features:

- 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 ¼" 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)

	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
Size		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	64	CB6-02AG	CB6-02MG	CB6-02AGMB	CB6-02MGMB
3/8"	70	CB6-03AG	CB6-03MG	CB6-03AGMB	CB6-03MGMB
1/2"	70	CB6-04AG	CB6-04MG	CB6-04AGMB	CB6-04MGMB



with guard



# B18 Compact Filter / Regulators

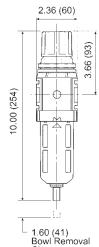
# Features:

- 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 ¼" 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	B18-02AG	B18-02MG	B18-02AGMB	B18-02MGMB
3/8"	117	B18-03AG	B18-03MG	B18-03AGMB	B18-03MGMB
1/2"	121	B18-04AG	B18-04MG	B18-04AGMB	B18-04MGMB



with metal bowl



Clearance

391

See pages 401 to 405 for accessories.

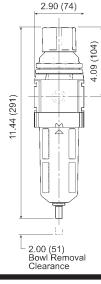
FRL's are designed for air service only, unless otherwise indicated.

B28 Standard Filters/Regulators

# G



with transparent bowl



- 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

Features:

- · 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 ¼" 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)

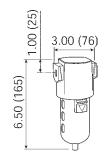
	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
Size		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	140	B28-03AG	B28-03MG	B28-03AGMB	B28-03MGMB
1/2"	165	B28-04AG	B28-04MG	B28-04AGMB	B28-04MGMB
3/4"	175	B28-06AG	B28-06MG	B28-06AGMB	B28-06MGMB

See pages 401 to 405 for accessories. SCFM ratings at 100 PSIG inlet pressure.

# L16 EconOmist® Compact Lubricators



transparent bowl with guard



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 (SCFM)	<b>Transparent Bowl</b> Part #	<b>Metal Bowl</b> Part #
1/4"	36.1	L16-02A	L16-02AMB
3/8"	58.5	L16-03A	L16-03AMB
1/2"	64.0	L16-04A	L16-04AMB

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.

Accessories

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)	<b>Transparent Bowl</b> Part #	<b>Metal Bowl</b> Part #
1/4"	88	L18-02A	L18-02AMB
3/8"	90	L18-03A	L18-03AMB
1/2"	96	L18-04A	L18-04AMB



# L26 EconOmist® Standard Lubricators

### Features:

- 10 oz. bowl
- adjustable oil feed
- · can be filled under pressure
- guick-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	Transparent Bowl	Metal Bowl <sup>1</sup>
	(SCFM)	Part #	Part #
1/4"	35	L26-02A	L26-02AMB
3/8"	60	L26-03A	L26-03AMB
1/2"	128	L26-04A	L26-04AMB

<sup>&</sup>lt;sup>1</sup> metal bowl has sight gauge with brass petcock drain



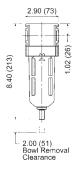
with metal bowl



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.

with metal bowl



# 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)	<b>Transparent Bowl</b> Part #	<b>Metal Bowl</b> Part #
3/8"	176	L28-03A	L28-03AMB
1/2"	184	L28-04A	L28-04AMB
3/4"	200	L28-06A	L28-06AMB

SCFM ratings at 150 PSIG inlet pressure.

# L30 EconOmist® Standard Lubricators



with metal bowl



### 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)	<b>Transparent Bowl</b> Part #	<b>Metal Bowl</b> Part #
3/4"	196	L30-06A	L30-06AMB
1"	374	L30-08A	L30-08AMB

SCFM ratings at 120 PSIG inlet pressure.

See pages 401 to 405 for accessories. See page 367 for air tool lubricant.



# L40 & 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)	<b>Transparent Bowl</b> Part #	Metal Bowl with Sight Glass Part #
1½"	927	L40-0BA	L40-0BAMB
2"	1186	L50-0CA	L50-0CAMB



transparent bowl with guard

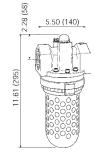


illustration represents L40 series

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

		Transparent Bowl and Guard		Metal Bowl with Sight Glass	
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	36.1	C16-02A	C16-02M	C16-02AMB	C16-02MMB
3/8"	58.5	C16-03A	C16-03M	C16-03AMB	C16-03MMB
1/2"	64.0	C16-04A	C16-04M	C16-04AMB	C16-04MMB



transparent bowl with guard



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

# Accessories **Pneumatic**



with metal bowl

# 7.77 (197) 2.31 (59) 1.60 (41) Bowl Removal Clearance

#### 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

	-	Transparent B	owl and Guard	Metal Bowl with Sight Glass	
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	110	C18-02A	C18-02M	C18-02AMB	C18-02MMB
3/8"	160	C18-03A	C18-03M	C18-03AMB	C18-03MMB
1/2"	160	C18-04A	C18-04M	C18-04AMB	C18-04MMB

#### 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

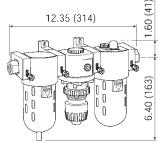
#### Regulator series R26:

- 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

	]	Transparent Bo	owl and Guard	Metal	Bowl
Size (S	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	35	C26-02A	C26-02M	C26-02AMB	C26-02MMB
3/8"	60	C26-03A	C26-03M	C26-03AMB	C26-03MMB
1/2"	128	C26-04A	C26-04M	C26-04AMB	C26-04MMB



with metal bowl



A FRL's are designed for air service only, unless otherwise indicated.

#### 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

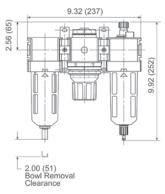
#### Lubricator series L28:

- 6 oz. bowl
- · adjustable oil feed
- full view sight dome

		Transparent Bowl and Guard		Metal Bowl	
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	150	C28-03A	C28-03M	C28-03AMB	C28-03MMB
1/2"	175	C28-04A	C28-04M	C28-04AMB	C28-04MMB
3/4"	175	C28-06A	C28-06M	C28-06AMB	C28-06MMB



with metal bowl



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

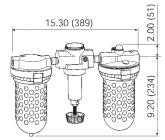
#### Lubricator series L30:

- 26 oz. bowl
- · adjustable oil feed
- · full view sight dome

		Transparent Bowl and Guard		Metal Bowl with Sight Glass	
Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/4"	374	C31-06A	C31-06M	C31-06AMB	C31-06MMB
1"	374	C31-08A	C31-08M	C31-08AMB	C31-08MMB



with metal bowl





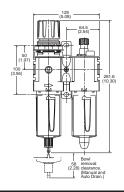
FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 120 PSIG inlet pressure.

# Accessories **Pneumatic**



with transparent bowl and guard



## **D18 Combination Units**

- 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)

D28 Combination Units

250 PSIG (17.2 bar) and 32°F to 150°F (0°C to 66°C)

- 5 micron element
- 4 oz. bowl/lubricator

#### Regulator

Features:

- 0-125 PSI adjusting range
- self-relieving
- supplied with gauge
- 1.72 oz. bowl/filter

	-	Transparent Bowl and Guard	Metal Bowl / Sight Gauge
Size	(SCFM)	CFM) Manual Drain Part #	Manual Drain Part #
1/2"	175	D18-04M	D18-04MMB

SCFM ratings at 150 PSIG inlet pressure.

light weight, Ready-to-Mount assembly comes standard with pressure gauge and modular



with metal bowl

Regulator

Features:

• 0-125 PSI adjusting range

T-Bracket/Joiner Assembly

components integrated into single unit modern design and appearance quick disconnect bowl / bowl guard maximum operating conditions:

- · self-relieving
- · supplied with gauge

5 micron element 6 oz. bowl/lubricator

• 2.87 oz. bowl/filter

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	<b>I</b>
Bowl 2.00 Removal	.19" (4 mm)
Clearance	Rock Eitting

	Size Flow (SCFM)	Metal Bowl / Sight Gauge
Size		Manual Drain Part #
1/2"	110	D28-04MMB
3/4"	130	D28-06MMB



FRL's are designed for air service only, unless otherwise indicated.

#### 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"	C31-08FRAME



#### F23 Exhaust Muffler

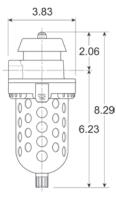
#### Features:

- 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 Part #
1/2"	240 SCFM	F23-04M

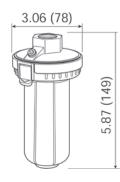








with metal bowl



#### 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 1/2" 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	<b>Transparent Bowl</b> Part #	<b>Metal Bowl</b> Part #
1/2"	X02-04	X02-04MB

#### **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 #
1/2"	3/4"	LV4N6D
3/4"	3/4"	LV6N6D
3/4"	11/4"	LV6NAD
1"	11/4"	LV8NAD





# Pneumatic Accessories

#### Filter Elements

Used On	Description	Part #
F03	5 micron element	PS403
F08		FRP-96-729
F16		FRP-95-160
F18		FRP-96-639
F26		FRP-95-115
F28		FRP-96-653
F30		FRP-95-209
F35		FRP-95-505
F42		FRP-95-566



## **Coalescing Filter Elements**

Used On	Description	Part #
M16, M26, M30	type B element (0.5 micron)	MSP-95-989
M16	type C element (0.01 micron)	MTP-95-548
M26	type C element (0.01 micron)	MTP-95-549
M30	type C element (0.01 micron)	MTP-95-551
M35	type C element (0.01 micron)	MTP-95-502



MTP-95-548

### **Desiccant Dryer Gel Refill**

Used On	Description	Part #
X03	8 bags of silica gel refill	DRP-85-059



# G

#### Filter Bowls with Drain

Used On	Description	Part #
F08	plastic bowl with guard and manual drain	GRP-96-712
	plastic bowl and metal bowl guard with flex tip drain	FRP-95-014
	plastic bowl and metal bowl guard with auto drain	FRP-95-015
F16, M16	plastic bowl with manual drain	FRP-95-017
	metal bowl with sight glass and manual drain	GRP-95-133
	metal bowl with auto drain	FRP-95-950
	plastic bowl and bowl guard with manual drain	GRP-96-634
F18	plastic bowl and bowl guard with auto drain	GRP-96-635
	metal bowl with sight glass and manual drain	GRP-96-636
	plastic bowl and metal bowl guard with flex tip drain	GRP-95-935
F26, M26	plastic bowl and metal bowl guard with auto drain	GRP-95-948
F20, IVI20	metal bowl with sight glass and manual drain	GRP-95-931
	metal bowl with auto drain	GRP-95-960
F28	plastic bowl, bowl guard, manual drain	GRP-96-642
F20	metal bowl, with sight glass, manual drain	GRP-96-644
	plastic bowl and metal bowl guard with manual drain	FRP-95-832
	plastic bowl and metal bowl guard with auto drain	FRP-95-775
F30, M30	plastic bowl with flex tip drain	FRP-96-315
	metal bowl with sight glass and manual drain	GRP-95-676
	metal bowl with auto drain	GRP-95-970



FRP-95-015



# Pneumatic Accessories



#### Filter Drains

Used On	Description	Part #
F16, F18, F26, F28, F30, F35, M16, M26, M30, M32, M35	automatic drain with flourocarbon seal	GRP-95-981
F16, F18, F26, F28, F30, M16, M26, M30	automatic float drain with a nitrile seal	GRP-95-973
F16, F18, F26, F28, F30, F35, M16, M26, M30, M35	manual override drain	GRP-96-001
F16, F26, F30, M16, M26, M30	manual petcock drain for use with metal bowl units	GRP-95-182
F16, F26, F30, M16, M26, M30	manual flex tip drain	FRP-95-610
F18, F28	manual drain	GRP-96-685

## Sight Glass Kit



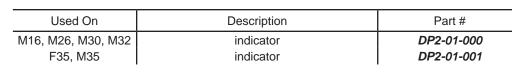
Used On	Description	Part #
M16, M26	sight glass kit for metal bowls	GRP-95-079

#### **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



#### **Regulator Spring**



DP2-01-000

Used On	Description	Part #
R16	0-50 PSI spring	RRP-95-222

## Regulator Flush Mounted Gauge

# 50 100

#### Application:

· for units originally purchased with a flush mounted gauge

Used On	Description	Part #
R08	0-160 PSI	GRP-96-719

### Ring Style Tamper Resistant Kits



Used	d On	Description	Part #
RO	08		RPA-96-735
R16,	R26	ring at the temper registent bit	RPA-95-006
R1	18	ring style tamper resistant kit	RRP-96-671
R2	28		RRP-96-672



### Regulator Repair Kits

Used On	Description	Part #
R16	self-relieving repair kit	RRP-95-131
R18	relieving diaphragm assembly	RRP-96-656
R26	self-relieving repair kit	RRP-95-952
R28	relieving diaphragm assembly	RRP-96-986
R30	valve assembly: valve, spring, bottom plug O-ring	RRP-95-159
R40	valve assembly: valve, spring, retaining ring O-ring	RRP-95-161



#### Lubricator Bowls and Bowl Guards

Used On Description		Part #
L08 plastic bowl with guard and manual drain		LRP-96-736
	metal bowl with sight glass and manual drain	GRP-95-133
L16	plastic bowl with guard and manual drain	GRP-95-019
	plastic bowl with no drain	LRP-96-937
L18	metal bowl with sight glass, manual drain	GRP-96-636
LIB	plastic bowl with guard and manual drain	LRP-96-701
L26	metal bowl with sight glass and manual drain	GRP-95-931
	plastic bowl with no drain	LRP-96-938
1.00	metal bowl with sight glass, manual drain	GRP-96-644
L28	plastic bowl with guard and manual drain	LRP-96-702
L30, L40	metal bowl with sight glass and manual drain	GRP-95-676
L30, L40, L50 plastic bowl with no drain		LRP-96-940



GRP-95-019

## Sight Domes and Fill Plugs

Used On	Description	Part #
L08, L16, L26	sight dome kit: dome and O-ring	LRP-95-239
L08	fill plug kit: fill plug and O-ring	LRP-96-730
L16, L26, L30	fill plug kit: fill plug and O-ring	LRP-95-253
L18, L28	sight dome assembly (new style)	LRP-96-310
L30, L40, L50	sight dome kit: dome and O-ring	LRP-95-249
L40, L50	fill plug kit: fill plug and O-ring	LRP-95-250



#### 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 #
F40 F00 D40 D00	1/4" NPT safety shut-off valve	GPA-95-096
F16, F26, R16, B26, L16, L26	%" NPT safety shut-off valve	GPA-95-097
	1/2" NPT safety shut-off valve	GPA-95-098



GPA-95-098



GPA-95-919



GPA-95-223



GPA-96-610

GPA-95-037

#### Modular Blocks

#### Features:

Manifold Block

- flexible installation can be installed after the filter or regulator, providing three additional ¼" NPT tapped auxiliary ports
- 1/2" inlet/outlet ports non-tapped
- 1-17/32" width

#### End Block

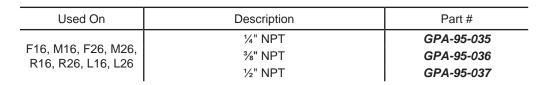
- When used with the modular sleeve, end blocks allow a single unit or a combination of units to be piped into the air system in the modular mode.
- allows ease of unit servicing or replacement without disturbing the air line connections

Used On	Description	Part #
	manifold block, three ¼" NPT auxiliary ports	GPA-95-919
F16, M16, F26, M26,	end block, ¼" NPT	GPA-95-223
R16, R26, L16, L26	end block, ¾" NPT	GPA-95-224
	end block, ½" NPT	GPA-95-225
	end block, ¼" NPT	GPA-96-610
F18, F28, R18, R28,	end block, ¾" NPT	GPA-96-611
L18, L28	end block, ½" NPT	GPA-96-612
	end block, ¾" NPT	GPA-96-613

#### Features:

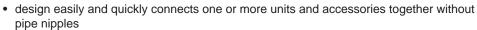
#### Modular Pipe Adapters

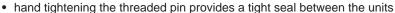
- When used with the modular sleeve, adapter inserts allow a single unit or a combination of units to be piped into the air system in the modular mode.
- allows ease of unit servicing or replacement without disturbing the air line connections
- set includes 2 blocks



#### Modular Sleeve

#### Features:





Used On	Description	Part #
F16, F26, R16, R26, L16, L26	modular sleeve	GPA-95-292

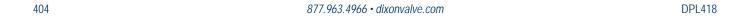
#### Modular Sleeve with T Bracket

GPA-95-969

#### 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

Used On	Description	Part #
F16, F26, R16, R26, L16, L26	bracket sleeve and bracket	GPA-95-968 GPA-95-969



#### Mounting Brackets and Joiner Sets

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
RB3	mounting bracket (type L) and nut	GRP-95-747
F03	mounting bracket	PS417B
	mounting bracket (type T) with joiner set and port O-ring	GPA-96-737
F08	mounting bracket (type C)	GPA-97-010
	joiner set and port O-ring	GPA-96-738
R08 mounting bracket (type L)		GRP-96-739
F16, M16 mounting bracket (type L)		GPA-95-016
R16		
R16, R21, R26, R30, R40	wall mount bracket with ¼" NPT gauge port adapter	RRP-95-590
F18	mounting bracket (type C)	GPA-96-604
ГІО	mounting bracket (type L)	GPA-96-606
	mounting bracket (type T)	GPA-96-602
F18, F28	mounting bracket (type T) with joiner set and port O-ring	GPA-96-603
F26, M26	mounting bracket (type L)	GPA-95-946
R26	mounting bracket (type C) and nut	RPA-95-947
F28	mounting bracket (type C)	GPA-96-605
F20	mounting bracket (type L)	GPA-96-607
F30	wall mount, U-bolt pipe clamp	GRP-95-734



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.

# Accessories **Pneumatic**

#### 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.

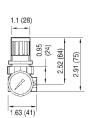
#### F07 Carded Miniature Filters

#### Features:

- 5 micron element
- 1 oz. reservoir
- inlet pressure 150 PSI maximum
- maximum temperature: 125°F (52°C)
- transparent bowl

Port	Flow	Automatic Drain	<b>Manual Drain</b>
Size	(SCFM)	Part #	Part #
1/4"	24	F07-200AC	F07-200MC

## **R07 Carded Miniature Regulator**



1.63 (42)

minimum clearance required to remove bowl

6.07 (154)

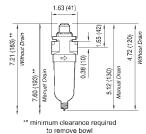
#### Features:

- pressure range 5-100 PSI
- relieving type
- inlet pressure 250 PSI maximum
- maximum temperature: 150°F (66°C)
- supplied with a GC620 gauge

Port	Flow	<b>with Gauge</b>
Size	(SCFM)	Part #
1/4"	15	

#### L07 Carded Miniature Lubricator





#### Features:

- 1 oz. reservoir
- inlet pressure 150 PSI maximum
- maximum temperature: 125°F (52°C)

Port	Flow	with Transparent Bowl
Size	(SCFM)	Part #
1/4"	15	

FRL's are designed for air service only, unless otherwise indicated.

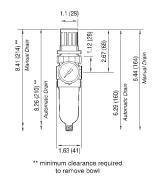
SCFM ratings given at 100 PSIG inlet pressure for regulators, 90 PSIG all others.

#### 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	Flow	Automatic Drain	<b>Manual Drain</b>
Size	(SCFM)	Part #	Part #
1/4"	14	B07-202AGC	B07-202MGC



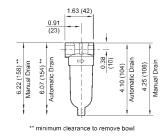


SCFM ratings given at 150 PSIG inlet pressure.

#### 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 #	<b>Manual Drain</b> Part #
1/8"	19	F07-100A	F07-100M
1/4"	24	F07-200A	F07-200M



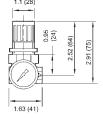


SCFM ratings given at 90 PSIG inlet pressure.

#### **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	Flow	with Gauge	without Gauge
Size	(SCFM)	Part #	Part #
1/8"	14	R07-100RG	R07-100R
1/4"	15	R07-200RG	R07-200R



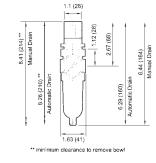


SCFM ratings given at 100 PSIG inlet pressure.

## 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	Flow	Automatic Drain	<b>Manual Drain</b>
Size	(SCFM)	Part #	Part #
1/8"	13	B07-102AG	B07-102MG
1/4"	24	B07-202AG	B07-202MG



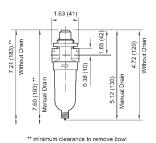


SCFM ratings given at 150 PSIG inlet pressure.

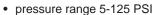
L07 Miniature Lubricators

- inlet pressure 150 PSI maximum
- maximum temperature: 125°F (52°C)

Port	Flow	<b>Transparent Bowl</b>
Size	(SCFM)	Part #
1/8"	10	L07-100A
1/4"	14	L07-200A

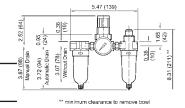


#### P1A Miniature Combination Units

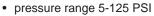


- 1 oz. reservoir
- supplied with a GC620 gauge
- inlet pressure 150 PSI maximum
- maximum temperature: 125°F (52°C)
- transparent bowl

Port	Flow	Automatic Drain	<b>Manual Drain</b>
Size	(SCFM)	Part #	Part #
1/8"	10	P1A-100A	P1A-100M
1/4"	14	P1A-200A	P1A-200M

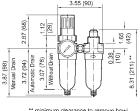


PTH Miniature Combination Units



- requires only 2 pipe connections
- inlet pressure 150 PSI maximum
- maximum temperature: 125°F (52°C)
- transparent bowl

•	Port	Flow	Automatic Drain
	Size	(SCFM)	Part #
	1/8"	10	PTH-100AG
	1/4"	14	PTH-200AG



#### 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	Flow	Semi-Automatic Drain	<b>Manual Drain</b>
Size	(SCFM)	Part #	Part #
1/4"	55	F72G-2A	F72G-2M

with metal bowl

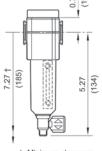
with transparent bowl

#### Metal Bowl and Sight Glass

Port	Flow	Semi-Automatic Drain	<b>Manual Drain</b>
Size	(SCFM)	Part #	Part #
1/4"	55	F72G-2A-MB	F72G-2M-MB

0.75 7.27 134) † 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.

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• 1 oz. reservoir

# Accessories

#### 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)

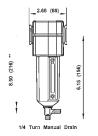


with transparent bowl



with metal bowl

(216)



\*\* Minimum clearance required to remove bowl

## **Transparent Bowl**

Port Size	Flow (SCFM)	Automatic Drain Part #	<b>Manual Drain</b> Part #
1/4"	53	F73G-2A	F73G-2M
3/8"	65	F73G-3A	F73G-3M
1/2"	69	F73G-4A	F73G-4M

#### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	<b>Manual Drain</b> Part #
1/4"	53	F73G-2A-MB	F73G-2M-MB
3/8"	65	F73G-3A-MB	F73G-3M-MB
1/2"	69	F73G-4A-MB	F73G-4M-MB

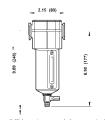
#### F74 Standard Airline Filters

#### 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)

with transparent bowl

#### **Transparent Bowl and Guard**



Port Size	Flow (SCFM)	Automatic Drain Part #	<b>Manual Drain</b> Part #
3/8"	112	F74G-3A	F74G-3M
1/2"	140	F74G-4A	F74G-4M
3/4"	140	F74G-6A	F74G-6M

#### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	<b>Manual Drain</b> Part #
3/8"	112	F74G-3A-MB	F74G-3M-MB
1/2"	140	F74G-4A-MB	F74G-4M-MB
3/4"	140	F74G-6A-MB	F74G-6M-MB



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.

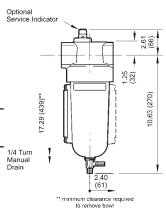
#### F17 Jumbo Airline Filters

#### Features:

- general purpose with low pressure drop and excellent water removal characteristics
- 40 micron element
- 1 gt. reservoir
- inlet pressure: 250 PSI and 175°F (79°C)

#### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	<b>Manual Drain</b> Part #
3/4"	325	F17-600A	F17-600M
1"	425	F17-800A	F17-800M
11/4"	425	F17-A00A	F17-A00M
1½"	425	F17-B00A	F17-B00M

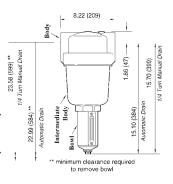


# Features:

- 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	Flow	Automatic Drain	<b>Manual Drain</b>
Size	(SCFM)	Part #	Part #
2"	1400	F18-C00A	F18-C00M



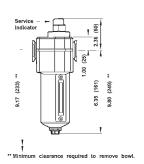


#### F74 Oil Removal Filters

#### 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)

Automatic Drain Part #	SCFM Dry	Flow (SCFM) Saturated	Port Size
F74C-3A-MB	70	35	3/8"
F74C-4A-MB	75	35	1/2"
F74H-4A-MB	100	60	1/2"
F74H-6A-MB	120	60	3/4"





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

(232)

9.13



Port Size	Flow (SCFM)	Automatic Drain with Metal Bowl Part #
3/8"	21	F74V-3A-MB
1/2"	21	F74V-4A-MB

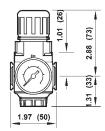
SCFM ratings at 90 PSIG inlet pressure.

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	Flow	with Gauge	without Gauge
Size	(SCFM)	Part #	Part #
1/4"	70	R72G-2RG	R72G-2R
3/8"	70	R72G-3RG	R72G-3R



2.68 (68)

#### **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®.

Gauge t #	
G-2R G-3R	



Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/4"	91	R73G-2RG	R73G-2R
3/8"	144	R73G-3RG	R73G-3R
1/2"	144	R73G-4RG	R73G-4R

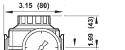
SCFM ratings given at 150 PSIG inlet pressure

See pages 422 to 427 for accessories.



#### **R74 Standard Regulators**

#### Features:



4.25 (108)

5.98 (152)

- pressure range 5-150 PSI
- inlet pressure: 300 PSI
- maximum temperature: 150°F (66°C)
- in-line or modular installation

• 1	reliev	/ing	type
-----	--------	------	------

- two full flow ¼" 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	R74G-3RG	R74G-3R
1/2"	220	R74G-4RG	R74G-4R
3/4"	220	R74G-6RG	R74G-6R



## 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	R17-600RG	R17-600R		
1"	480	R17-800RG	R17-800R		
11/4" 400		R17-A00RG	R17-A00R		
1½"	440	R17-B00RG	R17-B00R		
	SCEM ratings given at 150 PSIG inlet pressure				



SCFM ratings given at 150 PSIG inlet pressure





- 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	Flow	with Gauge	without Gauge
Size	(SCFM)	Part #	Part #
2"	2000	R18-C05RG	R18-C05R

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.





(247)

- 1.25 (32) 1.44 (37)
- pressure range 5-125 PSI
- · T-handle adjustment
- inlet pressure: 400 PSI
- supplied with GC620 gauge
- maximum temperature: 175°F
  - (79°)

Port Size	Flow (SCFM)	<b>with Gauge</b> Part #
1/4"	110	R11-013RG
3/8"	110	R11-037RG
1/2"	260	R11-061RG

SCFM ratings at 150 PSIG.

See pages 422 to 427 for accessories.



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# Accessories **Pneumatic**



#### **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	R72M-2RG	R72M-2R
3/8"	83	R72M-3RG	R72M-3R

SCFM ratings at 150 PSIG.

# 1.0 2.88 (33 뜐 1.97 (50)

#### 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.

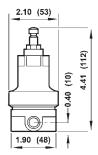


#### Features:

- 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	Flow	without Gauge
Size	(SCFM)	Part #
1/4"	10	

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	Flow	<b>with Gauge</b>
Size	(GPM)	Part #
1/4"	1.75	

Flow rating at 100 PSIG.

See pages 422 to 427 for accessories.



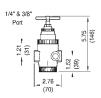
A FRL's are designed for air service only, unless otherwise indicated.

#### 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

Flow

(GPM)

5

5

10

•	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)

with Gauge

Part #

R43-201RG

R43-301RG

R43-406RG



#### 11-009 Water Regulators

#### Application:

5.00 (127)

Balanced valve minimizes effects of the inlet pressure variations on outlet pressure.

(241)

9.50

(41)

Port

Size

1/4"

3/8"

1/2"

- 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)

			10 93 0)
	Port Size	Flow (GPM)	<b>without Gauge</b> Part #
•	3/4"	27.5	11-009-065
	1"	27.5	11-009-081

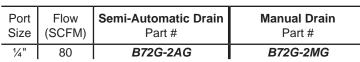


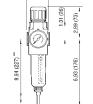
#### B72 Sub-Compact Filter / Regulators

#### 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**





\*\* minimum clearance required

to remove bowl

Semi auto Drain minimum clearance required to remove bowl

### Metal Bowl and Sight Glass

Port	Flow	Semi-Automatic Drain	<b>Manual Drain</b>
Size	(SCFM)	Part #	Part #
1/4"	80	B72G-2AG-MB	B72G-2MG-MB
3/8"		B72G-3AG-MB	B72G-3MG-MB





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.

B73 Compact Filters / Regulators



# **Pneumatic**



with transparent bowl

# with metal bowl

with guard

with metal bowl

#### Features:

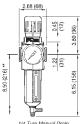
- particle removal per ISO 8573-1, Class 5 and Class 3
- pressure range 5-150 PSI
- in-line or modular installation
- 40 micron element
- 3.5 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- supplied with GC230 gauge
- inlet pressure:
  - transparent bowl: 150 PSI and 125°F (52°C)
  - metal bowl: 250 PSI and 175°F (79°C)

#### **Transparent Bowl**

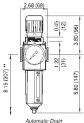
Port Size	Flow (SCFM)	Automatic Drain Part #	<b>Manual Drain</b> Part #
1/4"	78	B73G-2AG	B73G-2MG
3/8"	123	B73G-3AG	B73G-3MG
1/2"	123	B73G-4AG	B73G-4MG

#### **Metal Bowl and Sight Glass**

Port	Flow	Automatic Drain	Manual Drain
Size	(SCFM)	Part #	Part #
1/4"	78	B73G-2AG-MB	B73G-2MG-MB
3/8"	123	B73G-3AG-MB	B73G-3MG-MB
1/2"	123	B73G-4AG-MB	B73G-4MG-MB



\*\* minimum clearance required to remove bowl



\*\* minimum clearance required to remove bowl

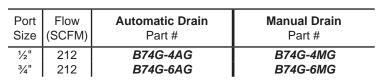
#### B74 Standard Filters / Regulators

#### Features:



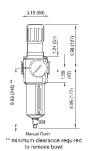
- 40 micron element
- 7 oz. reservoir
- relieving type
- supplied with GC230 gauge
- inlet pressure:
  - transparent bowl: 5-150 PSI and 125°F (52°C)
  - metal bowl: 5-150 PSI and 175°F (79°C)

#### **Transparent Bowl and Guard**



#### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	<b>Manual Drain</b> Part #
3/8"	163	B74G-3AG-MB	B74G-3MG-MB
1/2"	212	B74G-4AG-MB	B74G-4MG-MB
3/4"	212	B74G-6AG-MB	B74G-6MG-MB



3.15 (80)

\* minimum clearance required to remove bowl

See pages 422 to 427 for accessories.



RRL'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:

1.98 (50)

\*\* minimum clearance required to remove bowl

8.58 (218) \*\*

7.79 (198) \*\*

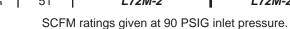
9.29 (236) Closed Bottom 10.04 (255) With Drain

- · 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 sightfeed 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)

Port	Flow	Transparent Bowl	<b>Metal Bowl</b>
Size	(SCFM)	Part #	Part #
1/4"	51	L72M-2	L72M-2MB





with transparent bowl

## L73 Compact Micro-Fog Lubricators

#### Features:

£ 1 (70)

Closed 5.38 (137) 6.15 (156)

With Drain

- 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 #	<b>Metal Bowl</b> Part #
1/4"	70	L73M-2	L73M-2MB
3/8"	70	L73M-3	L73M-3MB
1/2"	70	L73M-4	L73M-4MB

SCFM ratings given at 90 PSIG inlet pressure.



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.

L74 Standard Micro-Fog Lubricators

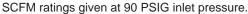
Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the

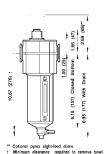
The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.

Micro-fog lubricators cannot be filled under pressure.

- 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)

	. ,				
Port Size	Flow (SCFM)	Transparent Bowl Part #	<b>Metal Bowl</b> Part #		
3/8"	114	L74M-3	L74M-3MB		
1/2"	154	L74M-4	L74M-4MB		
3/4"	142	L74M-6	L74M-6MB		





transparent bowl

#### L17 Jumbo Micro-Fog Lubricators

#### Features:



- oil level sight gauge
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: 250 PSI
- maximum temperature: 175°F (79°C)

Port	Flow	Metal Bowl with Sight Glass
Size	(SCFM)	Part #
3/4"	160	L17-600A
1"	275	L17-800A
11/4"	275	L17-A00A
11/2"	275	L17-B00A

SCFM ratings given at 90 PSIG inlet pressure.

# 1 quart US (1 liter) reservoir

### 10-076 Jumbo General Purpose Oil-Fog Lubricators

#### Features:

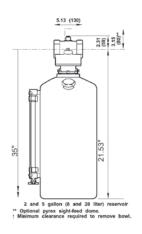
- · 2 gallon reservoir
- · oil flow can be positively set
- · reservoir is ASME constructed
- inlet pressure: 250 PSI
- maximum temperature: 175°F (793C)
- · oil level sight gauge

Port	Flow	Metal Bowl with Sight Glass
Size	(SCFM)	Part #
2"	1000	10-076-004

See pages 422 to 427 for accessories. See page 367 for air tool lubricant. SCFM ratings given at 100 PSIG inlet pressure.

FRL's are designed for air service only, unless otherwise indicated.





#### Micro-Fog Lubricator with Pyrex Sight Feed Dome

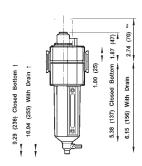
#### Application:

- 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
- · 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.





#### Features:

#### Compact

- 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	L73M-3MBPX
1/2"	60	L73M-4MBPX



#### **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	L74M-3MBPX
1/2"	154	L74M-4MBPX
3/4"	142	L74M-6MBPX



#### Jumbo

# 16.9

1 quart US (1 liter) reservoir 1/4 turn drain

#### 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	Flow	Metal Bowl with Sight Glass
Size	(SCFM)	Part #
1"	275	

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.

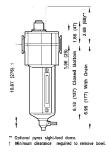
#### Features:

- · 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

metal bowl

Port Size	Flow (SCFM)	Transparent Bowl Part #	<b>Metal Bowl</b> Part #
3/8"	118	L74C-3	L74C-3MB
1/2"	192	L74C-4	L74C-4MB
3/4"	186	L74C-6	L74C-6MB



#### L17 Jumbo Oil-Fog Lubricators

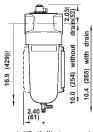
#### Application:

· 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)

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/4"	160	L17-600D
1"	275	L17-800D
1½"	275	L17-B00D



1/4 turn drain

See pages 422 to 427 for accessories. See page 367 for air tool lubricant.



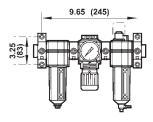
FRL's are designed for air service only, unless otherwise indicated.

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 #	<b>Manual Drain</b> Part #
1/4"	70	E73-2A	E73-2M
3/8"	70	E73-3A	E73-3M
1/2"	70	E73-4A	E73-4M



metal bowls

#### **Metal Bowl**

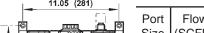
Port Size	Flow (SCFM)	Automatic Drain Part #	<b>Manual Drain</b> Part #
3/8"	70	E73-3A-MB	E73-3M-MB
1/2"	70	E73-4A-MB	E73-4M-MB

#### 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** Flow **Automatic Drain Manual Drain** (SCFM) Part # Size Part # 1/2' 150 E74-4A E74-4M 140 E74-6A E74-6M 3/41

Metal Bowl and Sight Glass						
Port Size	Port Flow Automatic Drain Manual Drain Size (SCFM) Part # Part #					
3/8"	110	E74-3A-MB	E74-3M-MB			
1/2"	150	E74-4A-MB	E74-4M-MB			
3/4"	140	E74-6A-MB	E74-6M-MB			



transparent bowl with quard

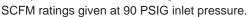
#### P8A Jumbo Combination Units

#### Features:

- pressure range 5-125 PSI
- 1 qt. reservoir
- inlet pressure: 250 PSI
- maximum temperature: 175°F (79°C)

#### Metal Bowl and Sight Glass

	<u>_</u>		
Port Size	Flow (SCFM)	Automatic Drain Part #	<b>Manual Drain</b> Part #
1"	275	P8A-860A	P8A-860M





FRL's are designed for air service only, unless otherwise indicated.





## 17-016 Drip Leg Automatic Drain

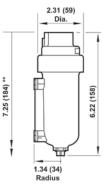
#### Application:

 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 ½" NPT
- inlet pressure: 250 PSIG
- maximum temperature: 175°F (79°C)

Port Size	Part #
1/2"	17-016-107



\*\* Minimum clearance to remove bowl.

#### Filter Elements



5 micron element 5925-03

Used On	Description	Part #
F07	5 micron	3652-11
F08	5 micron	3161-16
FU0	40 micron	3161-18
	5 micron bronze	5311-01
F17	25 micron bronze	5311-02
	40 micron bronze	5311-03
	5 micron bronze	5882-11
F18	25 micron bronze	5882-12
	50 micron bronze	5882-13
F70	5 micron	5925-03
F72	40 micron	5925-02
F70	5 micron	4438-01
F73	40 micron	4438-03
F74	5 micron	4338-04
F74	40 micron	4338-05

#### Filter Bowl / Bowl Guards



transparent bowl and guard 4325-51R

Used On	Description	Part #
F07	polycarbonate bowl with auto drain polycarbonate bowl with manual drain	3646-51 3646-53
F08	transparent bowl with manual drain	3776-50
F17	metal bowl with petcock drain	5390-77
F72	transparent bowl with manual drain	4266-50RF
	transparent bowl with semi-automatic drain transparent bowl with manual drain, ¼ turn	4266-52RF 4425-50RF
F73	transparent bowl with auto drain	4425-51RF
F74	plastic bowl assembly with guard and ¼ turn manual drain plastic bowl assembly with guard and automatic drain	4325-51R 4325-52R

# G

#### Filter Drains

Used On	Description	Part #
F17,F74	auto drain manual drain	3000-10 619-50
	manual drain assembly	2796-52
F72,F73	auto drain	4000-51R
F72,F73 F74	manual drain	619-50



# Pneumatic Accessories

#### Filter Lens Kits

Used On	Description	Part #
F72	liquid level lens kit	4380-020
F73	liquid level lens kit	4380-030
F74	high pressure dome sight glass kit	4380-051



#### 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	5797-50



# G

#### Filter Service Kit

Used On	Description	Part #
F17 F18 F73 F74	O-rings, seals, and gaskets	5578-05 5945-50 4380-600 4380-700



4380-700

## Filter Oil / Vapor Removal Filters

Used On	Description	Part #
F74C	oil removal filter	4344-01
F74H	oil removal filter	4344-02
F74V	vapor removal filter	4341-01



#### **Regulator Springs**



Used On	Pressure Ratings	Part #
R74	5-60 PSI 5-150 PSI	4332-01 4332-02

### **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 #
ľ	R72	tamper resistant cover with seal wire	4255-51
		tamper resistant cover with seal wire	
	R74	tamper resistant cover with seal wire	4355-51

#### **Regulator Panel Nuts**



Used On	Description	Part #
R07	plastic panel nut	2962-89
R08	plastic panel nut	5191-89
R17	metal panel nut	5226-97
R72	plastic panel nut	4248-89
R73	zinc panel nut	5191-88
R74	zinc panel nut	4348-89

#### Regulator Diaphragm Relieving Kits



3407-02



Used On	Description	Part #
R07		3407-02
R08		5298-14
R11		529-03
R17	diaphragm, relieving	5578-02
R72		4381-500
R73		4381-600
R74		4381-700

G

# Pneumatic Accessories

#### Lubricator Bowl / Bowl Guards

Used On	Description	Part #
L07	polycarbonate bowl with manual drain	3646-54
L73	transparent bowl with manual drain	4425-50RL
L74	metal bowl with liquid level indicator and ¼ turn manual drain	4303-77R
	transparent bowl with manual drain	4325-50R



646-54

#### Seal Wire

#### Features:

• provides tamper resistant protection of the lubricator drip rate setting

Used On	Description	Part #
L73, L74	metal wire	2117-01



### Domes, Caps and Plugs

Used On	Description	Part #
L08	quick fill cap	18-011-024
L17, L74	quick fill cap	18-011-021
L73, L74	aluminum fill plug	5301-55
L17, L72, L73, L74	sight feed dome (micro-fogging design)	4055-50
L72, L74	sight feed dome (oil-fogging design)	4055-51
1.74	high pressure sight feed dome	5605-50
L/4	liquid level indicator repair kit	4380-050



18-011-021



5605-50

#### Lubricator Seal Kits

Used On	Description	Part #
L17 L73 L74	O-rings, seals, and gaskets	5771-02 4382-600 4382-700



5771-02



# Accessories **Pneumatic**





quick-clamp bracket



quick-clamp with bracket

#### **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

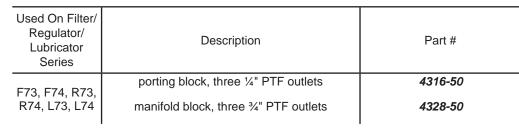
Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72	quick-clamp	4214-51
F72	quick-clamp service kit (2 O-rings)	4384-570
R72	quick-clamp and bracket assembly	4214-52
	quick-clamp	4314-51
F73, F74, R73,	quick-clamp service kit (2 O-rings)	4384-770
R74, L72, L73	wall bracket for quick-clamp (uses 7/32" screws)	4313-50
	quick-clamp and bracket assembly	4314-52

#### **Blocks**

#### Features:



- · installed with quick-clamps
- provides additional outlets and manifolding capability











# Pipe Adapters

#### Features:

- · installed with quick-clamps
- provides PTF connections to system piping
- sold individually



Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72, F72, R72	1/4" PTF connections 3/8" PTF connections	4215-02 4215-03
F73, F74, R73, R74, L73, L74	1/4" PTF connections 3/6" PTF connections 1/2" PTF connections 3/4" PTF connections	4315-01 4315-02 4315-03 4315-04

• Used on Filters / Regulators / Lubricator series

#### **Mounting Brackets**

Used On	Description	Part #
F07 L07 F17, L17	mounting bracket only mounting bracket only mounting bracket kit for 3/4" and 1" ported units	5939-06 5095-17 6212-50



# 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/ Regulator/ Lubricator Series	Description	Part #
L72, F72, R72	wall mounting bracket for all F72 series	4224-50
L73, F73, R72	wall mounting bracket for all F73 series	4424-50
L74, F74, R74	wall mounting bracket for all F74 series	4324-50



4324-50

#### **Regulator Mounting Brackets**

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
B07, R07 B08, R08 R17	mounting bracket with plastic panel nut	18-025-003 5203-06 5570-04



5203-06

Watts Filters

**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)

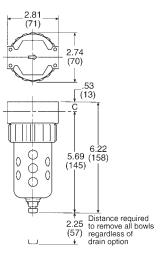
#### Polycarbonate Bowl with Metal Bowl Guard

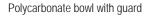
Ciro	Flow	Automatic Drain	Manual Drain
Size	(SCFM)	Part #	Part #
1/4"	53	F602-02BJR	F602-02BJ
3/8"	80	F602-03BJR	F602-03BJ
1/2"	85	F602-04BJR	F602-04BJ
3/8"	80	F602-03BJR	F602-03BJ

#### **Zinc Bowl with Sight Glass**

Size	Flow	Automatic Drain	Manual Drain
Size	(SCFM)	Part #	Part #
1/4"	53	F602-028A	F602-024A
3/8"	80	F602-038A	F602-034A
1/2"	85	F602-048A	F602-044A

SCFM ratings given at 90 PSIG inlet pressure.



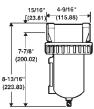


#### F602 Hi-Flow

#### 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)

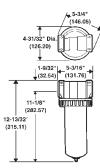
# 4-31/32" (126.20)





#### Zinc Body with Sight Glass and 16" Bowl

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/4"	270	F602-06WJR	F602-06WJ
1"	300	F602-08WJR	F602-08WJ
1½"	450	F602-12WJR	F602-12WJ





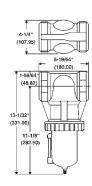
Sizo	Flow	Automatic Drain	Manual Drain
Size	(SCFM)	Part #	Part #
2"	1200	F602-16WJR	F602-16WJ



See pages 433 to 434 for accessories.

A FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.



# Accessories

#### Watts Filters/Regulators

#### **B11 Compact**

#### Features:

2.433

- 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	Automatic Drain	Manual Drain
SIZE	(SCFM)	Part #	Part #
1/4"	60	B11-02WJCR	B11-02WJC
3/8"	70	B11-03WJCR	B11-03WJC
1/2"	80	B11-04WJCR	B11-04WJC





# 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
- 1/4" gauge port

γ <sub>4</sub> " 10 brass <b>R364-02CG R364-02C</b>	Size	Flow (SCFM)	Body Material	With Gauge Part #	Without Gauge Part #
74" 10   DOZA 0200   B274 020					R364-02C
	1/4"		aluminum	R374-02CG	R374-02C

SCFM ratings given at 100 PSIG inlet pressure.



R364-02C

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

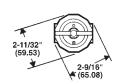
#### **R11 Compact**

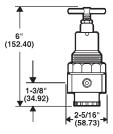
#### Features:

- 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	With Gauge	Without Gauge
	(SCFM)	Part #	Part #
1/4"	80	R11-02CG	R11-02C
3/8"	80	R11-03CG	R11-03C
1/2"	100	R11-04CG	R11-04C







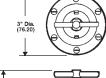
#### R119 Standard

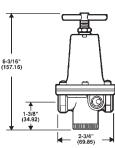
#### Features:

- 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

Sizo	Flow	With Gauge	Without Gauge
Size	(SCFM)	Part #	Part #
1/4"	100	R119-02CG	R119-02C
3/8"	110	R119-03CG	R119-03C
1/2"	150	R119-04CG	R119-04C

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	With Gauge	Without Gauge
Size	(SCFM)	Part #	Part #
3/4"	300	R119-06CG	R119-06C
1"	400	R119-08CG	R119-08C
1½"	500	R119-12CG	R119-12C

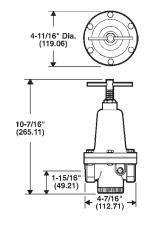
SCFM ratings given at 100 PSIG inlet pressure.

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		Polycarbonate Bowl with Metal Bowl Guard Part #	Zinc Bowl Sight Glass with Twist Drain Part #	
1/4"	40	L606-02B	L606-024B	
3/8"	60	L606-03B	L606-034B	
1/2"	90	L606-04B	L606-044B	



Polycarbonate bowl with guard

SCFM ratings given at 90 PSIG inlet pressure.

#### L606 Standard



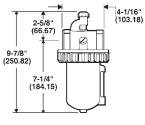
2.24 (57)

5.58<sup>°</sup> (142)

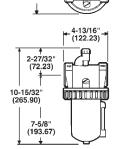
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7.82 (199)

Distance required to remove all bowls regardless



4-31/32" (126.20)



#### 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 11/2" are fillable while under pressure

Size	Flow (SCFM)	Zinc Bowl with Sight Glass Part #
3/4"	325	L606-06W
1"	350	L606-08W
1½"	400	L606-12W





See pages 433 to 434 for accessories. See page 367 for air tool lubricant.

SCFM ratings given at 90 PSIG inlet pressure.

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ccessories

**Pneumatic** 

#### Watts Combination Units

#### C11 Compact

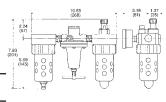
#### Features:

- 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	Automatic Drain	Manual Drain
	(SCFM)	Part #	Part #
1/4"	40	C11-02A	C11-02M
3/8"	60	C11-03A	C11-03M
1/2"	85	C119-04A	C119-04M

SCFM ratings given at 90 PSIG inlet pressure.



# C119 Standard



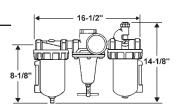
#### Features:

- 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 #	<b>Manual Drain</b> Part #
3/4"	275	C119-06AMB	C119-06MMB
1"	320	C119-08AMB	C119-08MMB
1½"	550	C119-12AMB	C119-12MMB



FRL's are designed for air service only, unless otherwise indicated.

# Watts Kits & Accessories

#### **Filter Elements**

Used On	Description	Part #
F602-02,		
F602-03,	40 micron	PS701
F602-04		
F602-06,		
F602-08,	5 micron	EK602VB
F602-12		
F602-06,		
F602-08,	40 micron	EK602B
F602-12		
F602-16	40 micron	EK602G



#### **Bowl with Twist Drain**

Used On Description		Part #
F602-02 F602-03 F602-04	polycarbonate bowl with twist drain	PS732



#### **Filter Drains**

Used On	Description	Part #
· · · · · · · · · · · · · · · · · · ·	auto float drain twist drain	PS506 PS512



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# Watts Kits & Accessories

# **Regulator Repair Kits**



Used On	Description	Part #
R11		RKR10Y
R119-02 R119-03		RK119Y
R119-04	relieving displayage valve accombly	RK119A
R119-06 R119-08	relieving diaphragm, valve assembly	RK119B
R119-12		RK119D
R364-02		RKR164Y

# **Lubricant Repair Kit**



Used On	Description	Part #
L606-06 L606-08 L606-12	sight glass	RKB605WB

# **Lubricator Mounting Brackets**





Used On	Description	Part #
L606-02, F602-02, L606-03, F602-03, L606-04, F602-04		PS743
F602 ¾", L606-06, F602-06	mounting bracket (2 required)	SA200AW57
F602 1", L606-08, F602-08	mounting bracket (2 required)	SA200CW57

# **Regulator Mounting Brackets**



SAR10Y57



SA15Y57

Used On	Description	Part #
R11, B11	mounting bracket with panel nut	SAR10Y57
R119-02	, , ,	
R119-03	R119-03	
R119-04 mounting bracket		18A57
R119-06		
R119-08	mounting bracket	18B57
R119-12		
R364-02 mounting bracket with panel nut		SA161X57

# 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 (± 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°F to 150°F (-40°C to 66°C)

#### Center Back Mounts

PSI Range	Fig. Inter.	Minor Grad.	1½" Face  1/6" Center Back Mount  Part #	2" Face 1/4" Center Back Mount Part #
0-15	1	.5		GC200
0-30	5	.5	GC605	GC215
0-60	5	1	GC610	GC220
0-100	10	2	GC615	GC225
0-160	20	5	GC620	GC230
0-200	20	5	GC625	GC235
0-300	30	5		GC240



GC230

#### 00230

#### **Lower Mounts**

PSI Range	Fig. Inter.	Minor Grad.	2" face, ¼" lower mount	2½" face ¼" lower mount	3½" face ¼" lower mount
Ixange	iiitoi.	Glau.	Part #	Part #	Part #
0-15	1	.5	GL100	GL300	GS15-4
0-30	5	.5	GL115	GL320	GS30-4
0-60	5	1	GL120	GL325	GS60-4
0-100	10	2	GL125	GL330	GS100-4
0-160	20	5	GL130	GL335	GS160-4
0-200	20	5	GL135	GL340	GS200-4
0-300	30	5	GL140	GL345	GS300-4
0-400	50	10		GL347	GS400-4
0-600	50	10		GL350	GS600-4
0-1000	200	20		GL355	GS1000-4
0-1500	300	50		GL360	
0-2000	400	50		GL365	
0-3000	500	100		GL370	
0-5000	1000	100		GL375	



GL140

# Stainless Steel Dry Gauges

#### Applications:

 Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

#### Features:

- ± 2-1-2% accuracy
- · 304 stainless steel case and crimp ring
- polycarbonate window
- ¼" NPT lower mount stainless connector
- 316 stainless bourdon tube and socket
- ambient temperature range: -40°F to 140°F (-40°C to 60°C)



PSI Range	Fig. Inter.	Minor Grad.	2½" Face ½" Lower Mount Part #
0-15	3	.2	GSS15
0-30	5	.5	GSS30
0-60	10	1	GSS60
0-100	20	2	GSS100
0-160	20	2	GSS160
0-200	50	5	GSS200
0-300	50	5	GSS300
0-400	100	10	GSS400
0-600	100	10	GSS600
0-1000	200	20	GSS1000
0-1500	300	20	GSS1500
0-2000	500	50	GSS2000
0-3000	500	50	GSS3000
0-5000	1000	100	GSS5000
0-10000	2000	200	GSS10000

- 1.6% accuracy, exceeds ASME B.40.100 Grade B
- 304 series stainless case
- polycarbonate window, 31/2" across
- 1/4" NPT lower mount stainless connector
- 316L stainless bourdon tube and socket, polyester segment
- temperature range: -40°F to 140°F (-40°C to 60°C)



GSS160-4

PSI Range	Fig. Inter.	Minor Grad.	4" Face 1/4" Lower Mount Part #
0-15	3	.5	GSS15-4
0-30	5	.5	GSS30-4
0-60	10	1	GSS60-4
0-100	20	2	GSS100-4
0-160	20	2	GSS160-4
0-200	40	5	GSS200-4
0-300	50	5	GSS300-4
0-400	50	10	GSS400-4
0-600	100	10	GSS600-4
0-1000	200	10	GSS1000-4
0-1500	200	20	GSS1500-4
0-3000	500	50	GSS3000-4
0-5000	1000	100	GSS5000-4
0-10000	2000	200	GSS10000-4

# Brass Standard Dry Gauges

#### Features:

- ASME B40.100 Grade B (± 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 ¼" Lower Mount Part #
0-15	3	.2	GBR15
0-30	5	.5	GBR30
0-60	10	1	GBR60
0-100	20	2	GBR100
0-160	20	2	GBR160
0-200	50	5	GBR200
0-300	50	5	GBR300
0-400	100	10	GBR400
0-600	100	10	GBR600
0-1000	200	20	GBR1000
0-1500	300	20	GBR1500
0-2000	500	50	GBR2000
0-3000	500	50	GBR3000
0-5000	1000	100	GBR5000



# **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.

- 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: ± 0.5% ANSI/ASME Grade 2A
- scale: single scale PSI only

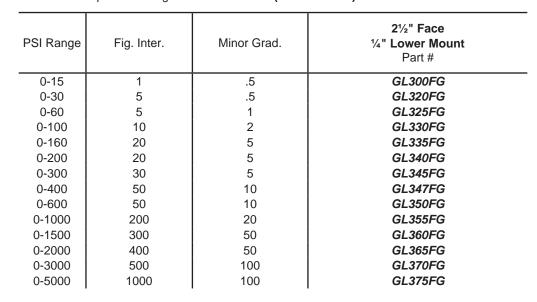
PSI Range	Fig. Inter.	Grad. Inter.	4½" Face ½" Lower Mount Part #
0-30	5	.2	PGS30
0-60	10	.5	PGS60
0-100	10	1	PGS100
0-160	20	1	PGS160
0-200	20	2	PGS200
0-300	50	2	PGS300
0-600	10	5	PGS600
0-1000	100	10	PGS1000





# FlutterGuard™ Dry Gauges

- 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 (± 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<sup>™</sup> 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)







# Pneumatic Accessories

# 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 ± 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°F to 140°F (-20°C to 60°C)
- maximum media temperature 212°F maximum

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ½" Lower Back Mount Part #
0-15	3	.2	PBLSS15
0-30	5	.5	PBLSS30
0-60	10	1	PBLSS60
0-100	20	2	PBLSS100
0-160	20	2	PBLSS160
0-200	50	5	PBLSS200
0-300	50	5	PBLSS300
0-400	100	10	PBLSS400
0-600	100	10	PBLSS600
0-800	200	20	PBLSS800
0-1000	200	20	PBLSS1000
0-1500	300	20	PBLSS1500
0-2000	500	50	PBLSS2000
0-3000	500	50	PBLSS3000
0-5000	1000	100	PBLSS5000



# G

# Contractor Pressure Gauges

- accuracy class: ± 1% of span
  wetted parts: copper alloy
- window: acrylic, snap indial: aluminum, white
- pointer: aluminum, black, adjustable
- mounting flanged/bracket; rear flange: stainless steel
- · case: stainless steel

PSI Range	4½" face, ¼" Lower Mount Part #	
0-15	4277750-0001	
0-30 0-60	4277768-0001 4277776-0003	





# **Compound Gauges**

#### Features:

- ASME B40.1, Grade B accuracy (± 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 ¼" Center Back Mount Part #	2½" Face ¼" Lower Mount Part #
	0-100	30 / 10	5/2		GL310
30"	0-160	30 / 20	5/5	GC210	
	0-160	30 / 20	10 / 10		GL110
	0-200	30 / 20	10 / 10		GL315

# Vacuum Gauges

- ASME B40.1, Grade B accuracy (± 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)

	Fig. Inter. (Hg / PSI)		2" Face ¼" Lower Mount Part #	2" Face 1/4" Center Back Mount Part #	2½" Face ½" Lower Mount Part #
30"	5"	.5"	GL105	GC205	GL305

# ABS Case Liquid Filled Gauges

#### Feature:

• ASME B40.100, Grade B (± 3-2-3% accuracy)

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #
0-15	3	.2	GLP500
0-30	5	.5	GLP505
0-60	10	1	GLP510
0-100	20	2	GLP515
0-160	20	2	GLP517
0-200	50	5	GLP520
0-300	50	5	GLP525
0-400	100	10	GLP527
0-600	100	10	GLP530
0-1000	200	20	GLP535
0-1500	300	20	GLP540
0-2000	500	50	GLP545
0-3000	500	50	GLP550
0-5000	1000	100	GLP555



# Accessories

# Stainless Case Liquid Filled Gauges

- PowerFlex<sup>™</sup> movement with polyester segment designed to resist the effects of shock, vibration and pulsation.
- ASME B40.100, Grade A (± 2-1-2% accuracy)
- copper alloy bourdon tube
- · white aluminum dial with black numbers and black aluminum pointer
- 1/4" 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 ½" Center Back Mount Part #	2½" Face, ½" Lower Mount Part #
0-15	3	.5	GLSC400	GLS400
0-30	5	.5	GLSC405	GLS405
0-60	10	1	GLSC410	GLS410
0-100	20	2	GLSC415	GLS415
0-160	20	2	GLSC417	GLS417
0-200	40	5	GLSC420	GLS420
0-300	50	5	GLSC425	GLS425
0-400	50	5	GLSC427	GLS427
0-600	100	10	GLSC430	GLS430
0-1000	200	10	GLSC435	GLS435
0-1500	300	50	GLSC440	GLS440
0-2000	400	20	GLSC445	GLS445
0-3000	500	50	GLSC450	GLS450
0-5000	1000	100	GLSC455	GLS455



GLSC420





#### Applications:

Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

#### Features:

- ± 2-1-2% accuracy
- polycarbonate window
- 1/4" NPT lower mount stainless connector
- 304 stainless case and crimp ring
- glycerin filled
- ambient temperature range: -4°F to 140°F (-20°C to 60°C)



PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #
0-15	3	.2	GLSS15
0-30	5	.5	GLSS30
0-60	10	1	GLSS60
0-100	20	2	GLSS100
0-160	20	2	GLSS160
0-200	50	5	GLSS200
0-300	50	5	GLSS300
0-400	100	10	GLSS400
0-600	100	10	GLSS600
0-1000	200	20	GLSS1000
0-1500	300	20	GLSS1500
0-2000	500	50	GLSS2000
0-3000	500	50	GLSS3000
0-5000	1000	100	GLSS5000
0-10000	2000	200	GLSS10000

#### All Stainless Steel Liquid Filled Gauges

#### Applications:

· Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

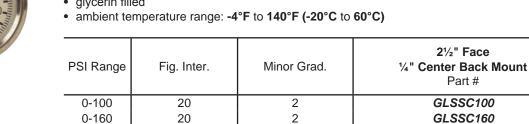
#### Features:

- ± 2-1-2% accuracy
- polycarbonate window
- 1/4" NPT center back mount stainless connector

50

- 304 stainless case and crimp ring
- glycerin filled

0-200



5



GLSSC200

Accessories

# Brass Liquid Filled Gauges

#### Features:

- ± 2-1-2% accuracy on 21/2"; ±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 ¼" Lower Mount Part #	2½" Face ¼" Center Back Mount Part #	4" Face ½" Lower Mount Part #
0-15	3	.2	GLBR15	GLBRC15	GLBR15-4
0-30	5	.5	GLBR30	GLBRC30	GLBR30-4
0-60	10	1	GLBR60	GLBRC60	GLBR60-4
0-100	10	1	GLBR100	GLBRC100	GLBR100-4
0-160	20	2	GLBR160	GLBRC160	GLBR160-4
0-200	20	2	GLBR200	GLBRC200	GLBR200-4
0-300	50	5	GLBR300	GLBRC300	GLBR300-4
0-400	50	5	GLBR400	GLBRC400	GLBR400-4
0-600	100	10	GLBR600	GLBRC600	GLBR600-4
0-1000	100	10	GLBR1000	GLBRC1000	GLBR1000-4
0-1500	300	20	GLBR1500	GLBRC1500	GLBR1500-4
0-2000	200	20	GLBR2000	GLBRC2000	GLBR2000-4
0-3000	500	50	GLBR3000	GLBRC3000	GLBR3000-4
0-5000	500	50	GLBR5000	GLBRC5000	GLBR5000-4
0-10000	1000	100			GLBR100004



# Welding Gauges

- ± 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 ¼" Lower Mount Part #
0-30	5	.5	GBRW30
0-30	5	.5	GBRW30R <sup>1</sup>
0-60	10	1	GBRW60
0-100	20	2	GBRW100
0-200	50	5	GBRW200
0-400	100	10	GBRW400
0-600	100	10	GBRW600
0-4000	500	100	GBRW4000



<sup>1</sup> red band between 15 to 30 PSI on GBRW30R

# VASHCROFT (INTIB

#### 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 H20
- 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 ¼" Lower Mount Part #
0-100	DG100
0-300	DG300
0-1000	DG1000
0-10,000	DG10000

# G

#### 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)





- steel pipe
- 1/4" NPT schedule 40 steel, welded
- pressure rating: 175 PSI at 340°F (171°C)



·	Wale IPS	Part # 401-01S
	Male IPS	Steel

#### **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, ¼" (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 ½" male NPT

Model	30	Back	Connected

Stem Length	Temperature Range	<b>3" Face</b> Part #	
2½"	0-250°F/-20-120°C	30025064	
2½"	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	<b>3" Face</b> Part #
2½"	0-250°F/-20-120°C	31025064
4"	50-500°F/10-260°C	31040104



#### **Model 50 Back Connected**

Stem Length	Temperature Range	<b>5" Face</b> Part #
2½"	50-500°F/10-260°C	50025104
4"	0-250°F/-20-120°C	50040064



#### Model 52 Adjustable Angle

Stem Length	Temperature Range	<b>5" Face</b> Part #
2½"	0-250°F/-20-120°C	52025064
4"	0-250°F/-20-120°C	52040064
4"	50-500°F/10-260°C	52040104
,	•	



G



**Pneumatic** 

#### **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) 50°F to 550°F (10°C to 288°C)	

# Magnetic Surface Mount Thermometers

#### Features:

- case: steel, 2" x 1/2"
- dial: polished aluminum
- bi-metal element: responsive actuation by bi-metal helix
- accuracy: ± 2%

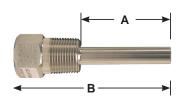
Temperature Range	<b>2" Face</b> Part #	
0°F to 250°F (-18°C to 121°C) 0°F to 500°F (-18°C to 260°F)		



#### **Threaded Thermowells**

#### Features:

• 3/4" male NPT process connection



'A' dimension	'B' dimension	316 Stainless Steel Part #
15/8"	2½"	75TH2R015SS
21/2"	4"	75TH2R025SS
41/2"	6"	75TH2R045SS
7½"	9"	75TH2R075SS

#### **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"	D444S	25
3/8"	1/4"	D446S	25



#### 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"	D446SL	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

Female NPT	Steel Part #
1/2"	SV17
1/2"	SV20
3/4"	SV26
	1/2" 1/2"



#### Features:

- for air service only
- rated to 150 PSI at ambient temperature 70°F (21°C)

Male NPT	Female NPT	<i>Brass</i> Part #
1/4"	1/4"	D344R
3/8"	3/8"	D366R



#### Air Tool Swivels

- · 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 Part #
1/4"	<b>D344U</b> <sup>1</sup>
3/8"	D346U
1/2"	D348U



<sup>&</sup>lt;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 Part #
1/8"	11/8"	CMF18
1/4"	13/8"	CMF28
3/8"	1½"	CMF38
1/2"	17⁄8"	CMF48
3/4"	21/4"	CMF68
1"	21/8"	CMF88

#### **Speed Control Mufflers**

#### Features:

- · maximum operating pressure: 300 PSI
- temperature range: 35°F to 300°F (2°C to 149°C)
- safe and infinte 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 postion is locked in place by th lock nut
- exhaust air noise is eliminated by a surrounding sleeve of sintered bronze





brass

NPT Thread	Approximate Full Oper. Height	Maximum Adjusted SCFM	<i>Brass</i> Part #
1/8"	1-5/16"	20	SCM18
1/4"	1-9/16"	30	SCM28
3/8"	15/8"	40	SCM38
1/2"	2"	60	SCM48
3/4"	23/8"	70	SCM68
1"	2½"	100	SCM88

#### **Breather Vents**

#### Applications:

· used on single acting cylinders or valves to prevent dirt and foreign particles from entering ports open to the atmosphere

ASP-8BV

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 Part #
1/8"	7/16"	ASP-1BV
1/4"	5/8"	ASP-2BV
3/8"	3/4"	ASP-3BV
1/2"	7/8"	ASP-4BV
3/4"	1"	ASP-6BV
	1/8" 1/4" 3/8" 1/2"	1/8" 7/16" 1/4" 5/8" 3/8" 3/4" 1/2" 7/8"

1-5/16"



Quick Disconnects	450 to 505	Adapters (cont.)	. 506 to 526
H-series		JIC (cont.)	
H-BOP series	457	Sleeves	515
HS-series		Straight weld end metal hose fittings	
K-series	459 to 460	45° elbow weld end metal hose fittings	517
AG-series	461 to 462	90° elbow weld end metal hose fittings	
V-series		NPTF	
TR-series	472 to 475	Pipe nipples	518
HT-series	476	Hex reducer bushings	518
HTE-series		Swivels	
HTZ-series		Swivel nuts	
ST-series	479 to 481	Hex pipe couplings	519
PD-series		90° elbows	
VEP-series		90° elbow swivels	
VEP-BOP series	486	45° elbows	
W-series		Tees	
WS-series		Hex caps	
WS-BOP series		Hex plugs	
T-series		Metric parallel thread	
CVV-series		BSPP (British Standard Pipe Parallel)	
E-series		Code 61 / 62 flanges	
EA-series		4-bolt NPTF ports	
CM-series		4-bolt SAE ports	
OW SCHOOL		4-bolt flange pipe socket welds	
Adapters	506 to 526	Split flange kits	
Flat Face		Straight SAE	
Unions		90° SAE elbows	
Connectors		45° SAE elbows	
90° elbows		40 OAL GIDOWS	
Tees		Hydraulic Hose Fittings	527 to 528
Caps		Suction and return line couplings	
Plugs		Double bolt clamps	
ORB		Stems	
Reducers		Clamps for 1 or 2 wire	
Unions		Inline hydraulic filters	
O-ring Boss		mille flydraulic litters	520
Elbows		Pipe and Tubing Hangers	529 to 530
Tees		Standard series	
Plugs		Twin series	
37° JIC		Heavy duty series	
Flare		neavy duty series	
Swivels			
90° elbows			
90° flare elbows			
45° elbows			
Flare unions			
Flare tees	_		
Caps			
Nuts			
Plugs	515		



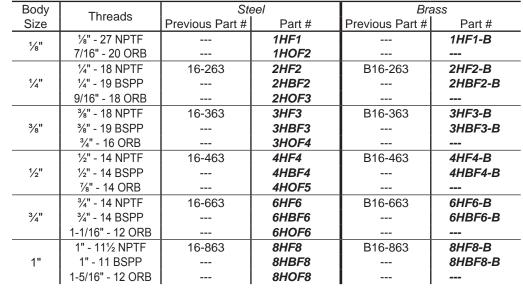
#### Features:

- · 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





steel











303 stainless

Body Size	Threads	Previous Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1/8"	1/8" - 27 NPTF		1HF1-S	1HF1-SS
1/4"	1/4" - 18 NPTF	SS16-263	2HF2-S	2HF2-SS
/4	1/4" - 19 BSPP		2HBF2-S	2HBF2-SS
3/8"	%" - 18 NPTF	SS16-363	3HF3-S	3HF3-SS
78	%" - 19 BSPP		3HBF3-S	3HBF3-SS
1/2"	½" - 14 NPTF	SS16-463	4HF4-S	4HF4-SS
/2	1/2" - 14 BSPP		4HBF4-S	4HBF4-SS
3/11	3/4" - 14 NPTF	SS16-663	6HF6-S	6HF6-SS
3/4"	3/4" - 14 BSPP		6HBF6-S	6HBF6-SS
1"	1" - 11½ NPTF	SS16-863	8HF8-S	8HF8-SS
1	1" - 11 BSPP		8HBF8-S	8HBF8-SS

DPL418

Hydraulic Fittings

# H-Series Hydraulic Couplings

# ISO-B Female Threaded Plugs

Body		Steel		Bra	ass
Size	Threads	Previous Part #	Part #	Previous Part #	Part #
4.41	1/8" - 27 NPTF		H1F1		H1F1-B
1/8"	7/16" - 20 ORB		H1OF2		
	1/4" - 18 NPTF	17-263	H2F2	B17-263	H2F2-B
1/4"	1/4" - 19 BSPP		H2BF2		H2BF2-B
	9/16" - 18 ORB		H2OF3		
	%" - 18 NPTF	17-363	H3F3	B17-363	H3F3-B
3/8"	%" - 19 BSPP		H3BF3		H3BF3-B
	3/4" - 16 ORB		H3OF4		
	½" - 14 NPTF	17-463	H4F4	B17-463	H4F4-B
1/2"	½" - 14 BSPP		H4BF4		H4BF4-B
	⅓" - 14 ORB		H4OF5		
	3/4" - 14 NPTF	17-663	H6F6	B17-663	H6F6-B
3/4"	3/4" - 14 BSPP		H6BF6		H6BF6-B
	1-1/16" - 12 ORB		H6OF6		
	1" - 11½ NPTF	17-863	H8F8	B17-863	H8F8-B
1"	1" - 11 BSPP		H8BF8		H8BF8-B
	1-5/16" - 12 ORB		H8OF8		







brass

Body	Throada	Previous	303 Stainless Steel	316 Stainless Steel
Size	Threads	Part #	Part #	Part #
1/8"	1/8" - 27 NPTF		H1F1-S	H1F1-SS
1/4"	1/4" - 18 NPTF	SS17-263	H2F2-S	H2F2-SS
/4	1/4" - 19 BSPP		H2BF2-S	H2BF2-SS
3/8"	%" - 18 NPTF	SS17-363	H3F3-S	H3F3-SS
	%" - 19 BSPP		H3BF3-S	H3BF3-SS
1/3"	½" - 14 NPTF	SS17-463	H4F4-S	H4F4-SS
	½" - 14 BSPP		H4BF4-S	H4BF4-SS
3/4"	¾" - 14 NPTF	SS17-663	H6F6-S	H6F6-SS
/4	¾" - 14 BSPP		H6BF6-S	H6BF6-SS
1"	1" - 11½ NPTF	SS17-863	H8F8-S	H8F8-SS
1	1" - 11 BSPP		H8BF8-S	H8BF8-SS



303 stainless



# **ISO-B Male Threaded Plugs**

Body Size	Threads	<i>Steel</i> Part #
1/4"	%" - 18 NPTF	H2M3



Body Size	Threads	303 Stainless Steel Part #
1/2"	¾" - 14 NPTF	H4M6-S





# Hydraulic Fittings

# H-Series Hydraulic Couplings

# **ISO-B High Volume Female Threaded Couplers**





steel



brass



316 stainless

Body Size	Threads	<i>Steel</i> Part #	<i>Brass</i> Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
11/4"	1¼" - 11½ NPTF 1¼" - 11 BSPP	10HF10 10HBF10	10HF10-B 	10HF10-S 	10HF10-SS 10HBF10-SS
1½"	11/4" - 111/2 NPTF 15/8" - 12 ORB 11/2" - 111/2 NPTF 11/2" - 11 BSPP 11/8" - 12 ORB	12HF10 12HOF10 12HF12 12HBF12 12HOF12	12HF10-B  12HF12-B 12HBF12-B 	12HF10-S  12HF12-S 12HBF12-S 	  12HF12-SS 12HBF12-SS
2½"	2" - 11½ NPTF 2½" - 8 NPTF 3" - 8 NPTF	20HF16 20HF20 20HF24	20HF16-B 		

# ISO-B High Volume Female Threaded Plugs







brass



303 stainless

Body		Steel	Brass	303 Stainless	316 Stainless
Size	, I Inteads	Part #	Part #	Steel Part #	Steel Part #
41/11	1¼" - 11½ NPTF	H10F10	H10F10-B	H10F10-S	H10F10-SS
11⁄4"	11/4" - 11 BSPP	H10BF10			H10BF10-SS
	11/4" - 111/2 NPTF	H12F10	H12F10-B	H12F10-S	
	1%" - 12 ORB	H12OF10			
11/2"	1½" - 11½ NPTF	H12F12	H12F12-B	H12F12-S	H12F12-SS
	11/2" - 11 BSPP	H12BF12	H12BF12-B	H12BF12-S	H12BF12-SS
	1%" - 12 ORB	H12OF12			
	2" - 11½ NPTF	H20F16	H20F16-B		
21/2"	2½" - 8 NPTF	H20F20			
	3" - 8 NPTF	H20F24			



#### ISO-B Steel Mill 'Slide Gate' Female Threaded Couplers

Body Size	Female Threads	Steel Part #
1/2"	½" - 14 NPTF	4HF4-HV



# ISO-B Steel Mill 'Slide Gate' Female Threaded Plugs

Body Size	Female Threads	Steel Part #
1/2"	½" - 14 NPTF	H4F4-HV



#### 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	D-4HF4-S-FSB	D-4HF4-SS-FSB



# ISO-B Food Grade Nylon Flanged Female Threaded Couplers

Body Size	Female Threads	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	½" - 14 NPTF	D-4HF4-S-FNS	D-4HF4-SS-FNS



#### **ISO-B Food Grade Female Threaded Plugs**

Body Size	Female Threads	Steel	303 Stainless Steel	316 Stainless Steel
		Part #	Part #	Part #
1/2"	½" - 14 NPTF	D-H4F4-SV-8	D-H4F4-S	D-H4F4-SS







# **ISO-B Dust Caps / Plugs**



Pody Cizo	Previous Part #		Nitrile	
Body Size	Plugs	Caps	Part #	
1/8"	VHC002		1HDP	
1/8"			H1DC	
1/4"	16-002	17-002	2HDP-H2DC	
3/8"	16-003	17-003	3HDP-H3DC	
1/2"	16-004	17-004	4HDP-H4DC	
3/4"	16-006	17-004	6HDP-H6DC	
1"	16-008	17-008	8HDP-H8DC <sup>1</sup>	

 $<sup>^{\</sup>rm 1}~$  8HDP-H8DC fits both 1" and 11/4" body sizes

#### **ISO-B Rigid Dust Plugs**



Body Size	Previous Part #	Aluminum body with steel cable Part #
1/4"	16-002A	2HDP-A
3/8"	16-003A	3HDP-A
1/2"	16-004A	4HDP-A
3/4"	16-006A	6HDP-A
1"	16-008A	8HDP-A
1½"		12HDP-A
21/2"		20HDP-A

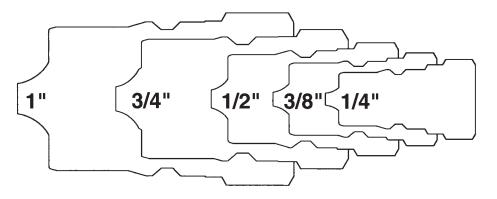
# **ISO-B Rigid Dust Caps**





Body Size	Previous Part #	Aluminum body with steel cable Part #
1/4"	17-002A	H2DC-A
3/8"	17-003A	H3DC-A
1/2"	17-004A	H4DC-A
3/4"	17-006A	H6DC-A
1"	17-008A	H8DC-A
11/2"		H12DC-A
21/2"		H20DC-A

# **Plug Profiles**



# Industry/Competitor Interchange

ISO 7241-B Hansen HK Eaton/Aeroquip FD45 Parker 60 Faster HNV Stucchi IRB/IRBO/IRBX



# ISO-B Coupler Seal Kits

ISO-B Coupler Seal Kits						Hyo
Body Size	Coupler Material	Description	EPDM Part #	<i>FKM</i> Part #	<i>Nitrile</i> Part #	drauli
1/8"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-1H-SKIT	F-1H-SKIT	1H-SKIT	<u>C</u>
1/4"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-2H-SKIT	F-2H-SKIT	2H-SKIT	_ <u>∓</u>
3/8"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-3H-SKIT	F-3H-SKIT	3H-SKIT	ngs
1/2"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-4H-SKIT	F-4H-SKIT	4H-SKIT	_
3/4"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-6H-SKIT	F-6H-SKIT	6H-SKIT	
1"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-8H-SKIT	F-8H-SKIT	8H-SKIT	
11/4"	brass, steel, 303 SS, 316 SS	adapter / valve O-ring and two body O-rings	P-10H-SKIT	F-10H-SKIT	10H-SKIT	
1½"	brass, steel, 303 SS, 316 SS	adapter / valve O-ring and two body O-rings	P-12H-SKIT	F-12H-SKIT	12H-SKIT	



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# ISO-B Repair Kits

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Fitti		Coupler Material	Seal Material	Description	Part #
<u>:</u>		steel	nitrile	steel valve assembly and retaining ring	2H-RKIT
au	1/4"	brass	nitrile	brass valve assembly and retaining ring	2H-BRKIT
þ	74	303 stainless	nitrile	303 SS valve assembly and retaining ring	2H-SRKIT
Hydraulic	•	316 stainless	nitrile	316 SS valve assembly and retaining ring	2H-SSRKIT
_		steel	nitrile	steel valve assembly and retaining ring	3H-RKIT
	3/8"	brass	nitrile	brass valve assembly and retaining ring	3H-BRKIT
	78	303 stainless	nitrile	303 SS valve assembly and retaining ring	3H-SRKIT
		316 stainless	nitrile	316 SS valve assembly and retaining ring	3H-SSRKIT
		steel	nitrile	steel valve assembly and retaining ring	4H-RKIT
	1/2"	brass	nitrile	brass valve assembly and retaining ring	4H-BRKIT
	/2	303 stainless	nitrile	303 SS valve assembly and retaining ring	4H-SRKIT
		316 stainless	nitrile	316 SS valve assembly and retaining ring	4H-SSRKIT
		steel	nitrile	steel valve assembly and retaining ring	6H-RKIT
	3/4"	brass	nitrile	brass valve assembly and retaining ring	6H-BRKIT
	74	303 stainless	nitrile	303 SS valve assembly and retaining ring	6H-SRKIT
		316 stainless	nitrile	316 SS valve assembly and retaining ring	6H-SSRKIT
		steel	nitrile	steel valve assembly and retaining ring	8H-RKIT
	1"	brass	nitrile	brass valve assembly and retaining ring	8H-BRKIT
	'	303 stainless	nitrile	303 SS valve assembly and retaining ring	8H-SRKIT
		316 stainless	nitrile	316 SS valve assembly and retaining ring	8H-SSRKIT
		steel	nitrile	steel valve assembly and adapter O-ring	10H-RKIT
	11/4"	brass	nitrile	brass valve assembly and adapter O-ring	10H-BRKIT
П	1 /4	303 stainless	nitrile	303 SS valve assembly and adapter O-ring	10H-SRKIT
	<b> </b>	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	10H-SSRKIT
		steel	nitrile	steel valve assembly and adapter O-ring	12H-RKIT
	1½"	brass	nitrile	brass valve assembly and adapter O-ring	12H-BRKIT
	1 /2	303 stainless	nitrile	303 SS valve assembly and adapter O-ring	12H-SRKIT
		316 stainless	nitrile	316 SS valve assembly and adapter O-ring	12H-SSRKIT





#### 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	<i>Steel</i> Part #	316 Stainless Steel Part #
3/8"	%" - 18 NPTF	3HF3-BOP	3HF3-SS-BOP
1/2"	½" - 14 NPTF	4HF4-BOP	4HF4-SS-BOP
3/4"	3/4" - 14 NPTF	6HF6-BOP	6HF6-SS-BOP
1"	1" - 11½ NPTF	8HF8-BOP	8HF8-SS-BOP



#### **Blowout Preventer Safety Female Plugs**

Body Size	Female Threads	<i>Steel</i> Part #	316 Stainless Steel Part #
3/8"	%" - 18 NPTF	H3F3-BOP	H3F3-SS-BOP
1/2"	½" - 14 NPTF	H4F4-BOP	H4F4-SS-BOP
3/4"	¾" - 14 NPTF	H6F6-BOP	H6F6-SS-BOP
1"	1" - 11½ NPTF	H8F8-BOP	H8F8-SS-BOP







#### **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**





303 stainless

Pody	<u> </u>	Br	ass	303 Stainless Steel
Body Size	Threads	Previous Part #	Part #	Part #
1/"	1/4" - 18 NPTF	B16-200S	2HSF2-B	2HSF2-S
1/4"	1/4" - 19 BSPP		2HSBF2-B	2HSBF2-S
3/8"	3/8" - 18 NPTF	B16-300S	3HSF3-B	3HSF3-S
78	%" - 19 BSPP		3HSBF3-B	3HSBF3-S
1/2"	½" - 14 NPTF	B16-400S	4HSF4-B	4HSF4-S
/2	1/2" - 14 BSPP		4HSBF4-B	4HSBF4-S
3/4"	3/4" - 14 NPTF	B16-600S	6HSF6-B	6HSF6-S
74	¾" - 14 BSPP		6HSBF6-B	6HSBF6-S
1"	1" - 11½ NPTF	B16-800S	8HSF8-B	8HSF8-S
1	1" - 11 BSPP		8HSBF8-B	8HSBF8-S
1½"	1½" - 11½ NPTF	B16-1200S	PS-12HF12-B	

#### **ISO-B Steam Interchange Female Threaded Plugs**



steel



brass



303 stainless

Body Size	Threads	Steel Part #	Bra	ass Part#	303 Stainless Steel Part #
1/11	1⁄4" - 18 NPTF	HS2F2	B17-200S	HS2F2-B	HS2F2-S
1/4"	1/4" - 19 BSPP	HS2BF2		HS2BF2-B	HS2BF2-S
3/8"	3/8" - 18 NPTF	HS3F3	B17-300S	HS3F3-B	HS3F3-S
78	¾" - 19 BSPP	HS3BF3		HS3BF3-B	HS3BF3-S
1/2"	½" - 14 NPTF	HS4F4	B17-400S	HS4F4-B	HS4F4-S
/2	½" - 14 BSPP	HS4BF4		HS4BF4-B	HS4BF4-S
3/4"	¾" - 14 NPTF	HS6F6	B17-600S	HS6F6-B	HS6F6-S
74	¾" - 14 BSPP	HS6BF6		HS6BF6-B	HS6BF6-S
1"	1" - 11½ NPTF	HS8F8	B17-800S	HS8F8-B	HS8F8-S
1	1" - 11 BSPP	HS8BF8		HS8BF8-B	HS8BF8-S
1½"	1½" - 11½ NPTF		B17-1200S	PS-H12F12-B	





#### 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		Previous	Steel	316 Stainless Steel
Size	Threads	Part #	Part #	Part #
0.20	1/8" - 27 NPTF	56-100	2KF1	
	1/4" - 18 NPTF	56-200	2KF2	2KF2-SS
1/4"	1/4" - 19 BSPP		2KBF2	2KBF2-SS
	7/16" - 20 ORB		2KOF2	
	3/8" - 18 NPTF	56-300	3KF3	3KF3-SS
3/8"	3/8" - 19 BSPP	30-300	3KBF3	3KBF3-SS
/8	9/16" - 18 ORB		3KOF3	3KBF3-33
				4//54.00
	½" - 14 NPTF	56-400	4KF4	4KF4-SS
4 / 11	½" - 14 BSPP		4KBF4	4KBF4-SS
1/2"	34" - 16 ORB		4KOF4	
	⅓" - 14 ORB		4KOF5	
	¾" - 14 NPTF	56-600	4KF6	
	¾" - 14 NPTF	56-660	6KF6	6KF6-SS
3/4"	3/4" - 14 BSPP		6KBF6	6KBF6-SS
	1-1/16" - 12 ORB		6KOF6	
	1" - 11½ NPTF	56-800	8KF8	8KF8-SS
1"	1" - 11 BSPP		8KBF8	8KBF8-SS
	1-5/16" - 12 ORB		8KOF8	
41/11	1¼" - 11½ NPT		10KF10	
11/4"	11/4" - 11 BSPP		10KBF10	
4471	1½" - 11½ NPT		12KF12	
1½"	1½" - 11 BSPP		12KBF12	
	2" - 11½ NPT		16KF16	
2"	2" - 11 BSPP		16KBF16	



4KF4 -steel



6KF6 - steel



10KF10 -steel

# **ISO-A Interchange Female Threaded Plugs**

Body	Threads	Previous	Steel	316 Stainless Steel
Size	Trileaus	Part #	Part #	Part #
	1/8" - 27 NPTF	57-100	K2F1	
1/4"	1/4" - 18 NPTF	57-200	K2F2	K2F2-SS
74	1/4" - 19 BSPP		K2BF2	K2BF2-SS
	7/16" - 20 ORB		K2OF2	
	3/8" - 18 NPTF	57-300	K3F3	K3F3-SS
3/8"	3 - 19 BSPP		K3BF3	K3BF3-SS
	9/16" - 18 ORB		K3OF3	
	½" - 14 NPTF	57-400	K4F4	K4F4-SS
	1/2" - 14 BSPP		K4BF4	K4BF4-SS
1/2"	3/4" - 16 ORB		K4OF4	
	7/8" - 14 ORB		K4OF5	
	3/4" - 14 NPTF	57-600	K4F6	
	3/4" - 14 NPTF	57-660	K6F6	K6F6-SS
3/4"	3/4" - 14 BSPP		K6BF6	K6BF6-SS
	1-1/16" - 12 ORB		K6OF6	
	1" - 11½ NPTF	57-800	K8F8	K8F8-SS
1"	1" - 11 BSPP		K8BF8	K8BF8-SS
	1-5/16" - 12 ORB		K8OF8	
11/4"	1¼" - 11½ NPT		K10F10	
1 74	11/4" - 11 BSPP		K10BF10	
1½"	1½" - 11½ NPT		K12F12	
I /2	1½" - 11 BSPP		K12BF12	
2"	2" - 11½ NPT		K16F16	
	2" - 11 BSPP		K16BF16	



K4F4 - steel



K6F6 - steel





# ISO-A Interchange Dust Caps / Plugs

ဟ _		130-A II	iterchange bust caps / Plugs
itting	Body Size	Previous Part #	Nitrile Part #
₩_	1/4"	56-002 / 57-002	2KDP-K2DC
证	3/8"	56-003 / 57-003 / VHCN004	3KDP-K3DC
O	3/4"	56-006 / 57-006	6KDP-K6DC
$\equiv$	1"	56-008 / 57-008	8KDP-K8DC
raulic	-	ICO A lesten	sharran Calan Cadad Duet Diver
Q		ISO-A Inter	change Color Coded Dust Plugs
Hydr			



# **ISO-A Interchange Color Coded Dust Plugs**













Body Size	Color	Previous Part #	Nitrile Part #
	black	56-004	4KDP
	red		4K-R-DP
1/2"	orange		4K-O-DP
	yellow		4K-Y-DP
	green		4K-G-DP
	blue		4K-B-DP

# ISO-A Interchange Color Coded Dust Caps











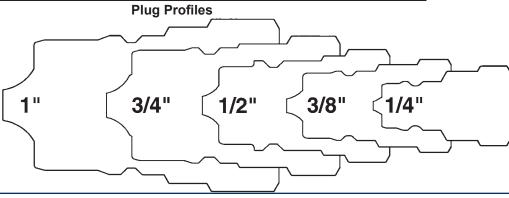
Body Size	Color	Previous Part #	<i>Nitrile</i> Part #
	black	57-004	K4DC
	red		K4-R-DC
1/2"	orange		K4-O-DC
/2	yellow		K4-Y-DC
	green		K4-G-DC
	blue		K4-B-DC

#### ISO-A Interchange Coupler Seal Kits

Body Size	Coupler Style	Description	<i>Nitrile</i> Part #			
1/4"	all	O-ring and PTFE anti-extrusion ring	2K-SKIT			
3/8"	all	O-ring and PTFE anti-extrusion ring	3K-SKIT			
1/2"	all	O-ring and PTFE anti-extrusion ring	4K-SKIT			
3/4"	all	O-ring and PTFE anti-extrusion ring	6K-SKIT			
1"	all	O-ring and PTFE anti-extrusion ring	8K-SKIT			
11/4"	all	O-ring and PTFE anti-extrusion ring	10K-SKIT			
1½"	all	O-ring and PTFE anti-extrusion ring	12K-SKIT			
2"	all	O-ring and PTFE anti-extrusion ring	16K-SKIT			

# Industry/Competitor Interchange

ISO 7241-A Eaton/Aeroquip 5600 Parker 6600 Faster ANV Safeway S56 Stucchi BIR



#### 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**

Dady Cina	Throada	Ste	eel
Body Size	Threads	Previous Part #	Part #
1/4"	1/4" - 18 NPTF		2AGF2
3/8"	%" - 18 NPTF		3AGF3
	½" - 14 NPTF	18-400	4AGF4
	½" - 14 BSPP		4AGBF4
1/2"	3/4" - 16 ORB	18-415	4AGOF4
	⅓" - 14 ORB		4AGOF5
	3/4" - 14 NPTF	18-600	4AGF6
3/4"	3/4" - 14 NPTF	18-660	6AGF6
1"	1" - 11½ NPTF		8AGF8



#### **Agricultural Poppet Valve Female Threaded Couplers**

Dody Ciza	Threads	Steel	
Body Size	rnieaus	Previous Part #	Part #
1/4"	1/4" - 18 NPTF	18-200	2AGF2-PV
3/8"	%" - 18 NPTF	18-300	3AGF3-PV
	½" - 14 NPTF		4AGF4-PV
	½" - 14 BSPP		4AGBF4-PV
1/2"	3/4" - 16 ORB		4AGOF4-PV
	⅓" - 14 ORB		4AGOF5-PV
	3/4" - 14 NPTF		4AGF6-PV
3/4"	3/4" - 14 NPTF		6AGF6-PV
1"	1" - 11½ NPTF	18-800	8AGF8-PV





#### Agricultural Push-Pull Ball Valve Female Threaded Couplers

Body Size	Threads	<i>Steel</i> Part #
3/8"	%" - 18 NPTF	3AGF3-PS
	½" - 14 NPTF	4AGF4-PS
1/3"	3/4" - 16 ORB	4AGOF4-PS
/2	⅓" - 14 ORB	4AGOF5-PS
	3/4" - 14 NPTF	4AGF6-PS
3/4"	3/4" - 14 NPTF	6AGF6-PS



#### **Agricultural Push-Pull Poppet Valve Female Threaded Couplers**

Body Size	Threads	<i>Steel</i> Part #
3/8"	%" - 18 NPTF	3AGF3-PV-PS
	½" - 14 NPTF	4AGF4-PV-PS
1/3"	3/4" - 16 ORB	4AGOF4-PV-PS
/2	⅓" - 14 ORB	4AGOF5-PV-PS
	3/4" - 14 NPTF	4AGF6-PV-PS
3/4"	¾" - 14 NPTF	6AGF6-PV-PS





# **Agricultural Ball Valve Female Threaded Plugs**



Body Size	Threads	Ste	eel
Body Size	Tilleaus	Previous Part #	Part #
1/4"	1⁄4" - 18 NPTF		AG2F2
3/8"	%" - 18 NPTF		AG3F3
	½" - 14 NPTF	19-400	AG4F4
	½" - 14 BSPP		AG4BF4
1/2"	¾" - 16 ORB	19-415	AG4OF4
	⅓" - 14 ORB		AG4OF5
	3/4" - 14 NPTF	19-600	AG4F6
3/4"	3/4" - 14 NPTF	19-660	AG6F6
1"	1" - 11½ NPTF		AG8F8

# **Agricultural Poppet Valve Female Threaded Plugs**



Dody Ciza	Throada	Ste	eel
Body Size	Threads	Previous Part #	Part #
1/4"	1⁄4" - 18 NPTF		AG2F2-PV
3/8"	%" - 18 NPTF		AG3F3-PV
	½" - 14 NPTF	19-400	AG4F4-PV
	½" - 14 BSPP		AG4BF4-PV
1/2"	¾" - 16 ORB	19-415	AG40F4-PV
	⅓" - 14 ORB		AG4OF5-PV
	3/4" - 14 NPTF	19-600	AG4F6-PV
3/4"	3/4" - 14 NPTF	19-660	AG6F6-PV
1"	1" - 11½ NPTF		AG8F8-PV



#### **Agricultural Dust Plugs**

Body Size	Elastomer		
Body Size	Previous Part #	Part #	
1/4"	18-002	2AGDP	
3/8"	18-003	3AGDP	
1/2"	For ½" Please refer to the color cod	ded K-Series Dust Plugs on pg. 460	
3/4"	18-006	6AGDP	
1"	18-008	8AGDP	

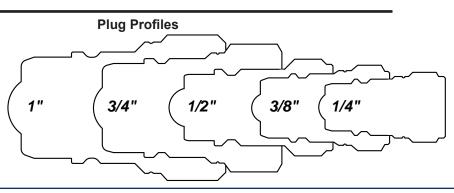


#### **Agricultural Dust Caps**

Dody Cizo	Elastomer		
Body Size	Previous Part #	Part #	
1/4"	19-002	AG2DC	
3/8"	19-003	AG3DC	
1/2"	For ½" Please refer to the color cod	ded K-Series Dust Caps on pg. 460	
3/4"	19-006	AG6DC	
1"	19-008	AG8DC	

# Industry/Competitor Interchange

Parker/Pioneer 4000 Safeway S20 Faster NS/NV Stucchi IR







#### 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	Threads	Steel		Bra	 ass
Size	11110000	Previous Part #	Part #	Previous Part #	Part #
	1/4" - 27 NPTF		2VF1		
1/4"	1/4" - 18 NPTF	VHC200	2VF2	VHC200B	2VF2-B
/4	1/4" - 19 BSPP		2VBF2		2VBF2-B
	7/16" - 20 ORB		2VOF2		
	%" - 18 NPTF	VHC300	3VF3	VHC300B	3VF3-B
3/8"	%" - 19 BSPP		3VBF3		3VBF3-B
/8	9/16" - 18 ORB		3VOF3		
	½" - 14 NPTF		3VF4		
	½" - 14 NPTF	VHC400	4VF4	VHC400B	4VF4-B
1/2"	½" - 14 BSPP		4VBF4		4VBF4-B
/2	34" - 16 ORB		4VOF4		
	34" - 14 NPTF		4VF6		
	¾" - 14 NPTF	VHC600	6VF6	VHC600B	6VF6-B
3/4"	3/4" - 14 BSPP		6VBF6		6VBF6-B
	1-1/16" - 12 ORB		6VOF6		
	1" - 11½ NPTF	VHC800	8VF8		8VF8-B
1"	1" - 11 BSPP		8VBF8		8VBF8-B
	1-5/16" - 12 ORB		8VOF8		
	1¼" - 11½ NPTF	VHC1000	10VF10		10VF10-B
11/4"	1¼" - 11 BSPP		10VBF10		10VBF10-B
	1%" - 12 ORB		10VOF10		
	1½" - 11½ NPTF	VHC1200	12VF12		12VF12-B
1½"	1½" - 11 BSPP		12VBF12		12VBF12-B
	1%" - 12 ORB		12VOF12		
2"	2" - 11½ NPTF	VHC1600	16VF16		16VF16-B
2	2" - 11 BSPP		16VBF16		16VBF16-B



steel



brass



Dody Ciza	Threads	31	16 Stainless Steel
Body Size	rnieaus	Previous Part #	Part #
1/4"	1/4" - 18 NPTF	VHC200SS	2VF2-SS
/4	1/4" - 19 BSPP		2VBF2-SS
3/8"	%" - 18 NPTF		3VF3-SS
/8	%" - 19 BSPP	2VBF2-SS 3VF3-SS 3VBF3-SS VHC400SS 4VF4-SS 4VBF4-SS VHC600SS 6VF6-SS 6VBF6-SS 8VF8-SS 8VBF8-SS	3VBF3-SS
1/2"	½" - 14 NPTF	VHC400SS	4VF4-SS
/2	½" - 14 BSPP		4VBF4-SS
3/4"	¾" - 14 NPTF	VHC600SS	6VF6-SS
74	¾" - 14 BSPP		6VBF6-SS
1"	1" - 11½ NPTF		8VF8-SS
ı	1" - 11 BSPP	Previous Part #         Part #           F         VHC200SS         2VF2-SS           P          2VBF2-SS           F          3VF3-SS           P          3VBF3-SS           F         VHC400SS         4VF4-SS           P          4VBF4-SS           F         VHC600SS         6VF6-SS           P          6VBF6-SS           F          8VF8-SS           F          10VF10-SS           F          10VBF10-SS           TF          12VF12-SS           TF          12VBF12-SS           TF          16VF16-SS	8VBF8-SS
11/4"	1¼" - 11½ NPTF		10VF10-SS
1 /4	1¼" - 11 BSPP		10VBF10-SS
11/2"	1½" - 11½ NPTF		12VF12-SS
1 /2	1½" - 11 BSPP	1½" - 11 BSPP	12VBF12-SS
2"	2" - 11½ NPTF		16VF16-SS
2	2" - 11 BSPP		16VBF16-SS





#### **Snap-Tite H/IH Interchange Valved Male Threaded Couplers**

Steel

Part #

2VM1

2VM2

2VJM2

3*VM*3

**3VJM3** 

4VM4

4VJM4

6VM6

8VM8

6VJM6

8VJM8

10VM10

10VJM10

12VM12

16VM16

**Brass** 

Part #

2VM2-B

3VM3-B

4VM4-B

6VM6-B

8VM8-B

10VM10-B

12VM12-B

16VM16-B

316 Stainless Steel

Part #

2VM2-SS

3VM3-SS

4VM4-SS

6VM6-SS

8VM8-SS

10VM10-SS

12VM12-SS

16VM16-SS







Body

Size

1/4"

3/8"

1/2"

3/4"

1"

11/4"

1½"

Threads

1/8" - 27 NPTF

1/4" - 18 NPTF

7/16" - 20 JIC

%" - 18 NPTF 9/16" - 18 JIC 1/2" - 14 NPTF 3/4" - 16 JIC

3/4" - 14 NPTF

1-1/16" - 12 JIC

1" - 11½ NPTF 1-5/16" - 12 JIC 1¼" - 11½ NPTF 15%" - 12 JIC

1½" - 11½ NPTF

2" - 11½ NPTF





316 stainless

Snan-Tite H/IH Interchange	Valved Male	Threaded	Pluge







steel



brass



316 stainless



steel

				•
Body	Threads	Steel	Brass	316 Stainless Steel
Size   Tilleaus		Part #	Part #	Part #
	1/8" - 27 NPTF	V2M1		
1/4"	1/4" - 18 NPTF	V2M2	V2M2-B	V2M2-SS
	7/16" - 20 JIC	V2JM2		
3/8"	%" - 18 NPTF	V3M3	V3M3-B	V3M3-SS
	9/16" - 18 JIC	V3JM3		
1/2"	½" - 14 NPTF	V4M4	V4M4-B	V4M4-SS
	3/4" - 16 JIC	V4JM4		
3/4"	3/4" - 14 NPTF	V6M6	V6M6-B	V6M6-SS
	1-1/16" - 12 JIC	V6JM6		
1"	1" - 11½ NPTF	V8M8	V8M8-B	V8M8-SS
	1-5/16" - 12 JIC	V8JM8		
11/4"	11/4" - 111/2 NPTF	V10M10	V10M10-B	V10M10-SS
	1%" - 12 JIC	V10JM10		
1½"	1½" - 11½ NPTF	V12M12	V12M12-B	V12M12-SS
2"	2" - 11½ NPTF	V16M16	V16M16-B	V16M16-SS



# **Snap-Tite H/IH Interchange Valved Female Threaded Plugs**

Body		Steel		Brass	
Size	Threads	Previous Part	Part #	Previous Part	Part #
0126		#		#	rait#
	1/8" - 27 NPTF		V2F1		
1/4"	1⁄4" - 18 NPTF	VHN200	V2F2	VHN200B	V2F2-B
74	1⁄4" - 19 BSPP		V2BF2		V2BF2-B
	7/16" - 20 ORB		V2OF2		
	%" - 18 NPTF	VHN300	V3F3	VHN300B	V3F3-B
3/8"	%" - 19 BSPP		V3BF3		V3BF3-B
/8	9/16" - 18 ORB		V3OF3		
	½" - 14 NPTF		V3F4		
	½" - 14 NPTF	VHN400	V4F4	VHN400B	V4F4-B
1/2"	½" - 14 BSPP		V4BF4		V4BF4-B
/2	¾" - 16 ORB		V40F4		
	¾" - 14 NPTF		V4F6		
	3/4" - 14 NPTF	VHN600	V6F6	VHN600B	V6F6-B
3/4"	¾" - 14 BSPP		V6BF6		V6BF6-B
	1-1/16" - 12 ORB		V6OF6		
	1" - 11½ NPTF	VHN800	V8F8		V8F8-B
1"	1" - 11 BSPP		V8BF8		V8BF8-B
	1-5/16" - 12 ORB		V8OF8		
	1¼" - 11½ NPTF	VHN1000	V10F10		V10F10-B
11⁄4"	1¼" - 11 BSPP		V10BF10		V10BF10-B
	1%" - 12 ORB		V100F10		
1½"	1½" - 11½ NPTF	VHN1200	V12F12		V12F12-B
	1½" - 11 BSPP		V12BF12		V12BF12-B
	11/8" - 12 ORB		V120F12		
2"	2" - 11½ NPTF	VHN1600	V16F16		V16F16-B
	2" - 11 BSPP		V16BF16		V16BF16-B



steel



brass

Body	Threads	316 Stainless Steel		
Size	Initeads	Previous Part #	Part #	
1/4"	1⁄4" - 18 NPTF	VHN200SS	V2F2-SS	
	1⁄4" - 19 BSPP		V2BF2-SS	
3/8"	%" - 18 NPTF		V3F3-SS	
	%" - 19 BSPP		V3BF3-SS	
1/2"	½" - 14 NPTF	VHN400SS	V4F4-SS	
	½" - 14 BSPP		V4BF4-SS	
3/4"	¾" - 14 NPTF	VHN600SS	V6F6-SS	
	¾" - 14 BSPP		V6BF6-SS	
1"	1" - 11½ NPTF		V8F8-SS	
	1" - 11 BSPP		V8BF8-SS	
11/4"	1¼" - 11½ NPTF		V10F10-SS	
	1¼" - 11 BSPP		V10BF10-SS	
11/2"	1½" - 11½ NPTF		V12F12-SS	
	1½" - 11 BSPP		V12BF12-SS	
2"	2" - 11½ NPTF		V16F16-SS	
	2" - 11 BSPP		V16BF16-SS	







# **Snap-Tite H/IH Interchange Unvalved Female Threaded Couplers**



steel



brass

Body	Throada	Previous	Steel	Brass
Size	Threads	Part #	Part #	Part #
1/4"	1/4" - 18 NPTF		2VF2-E	2VF2-B-E
	1/4" - 19 BSPP		2VBF2-E	2VBF2-B-E
3/8"	%" - 18 NPTF		3VF3-E	3VF3-B-E
	%" - 19 BSPP		3VBF3-E	3VBF3-B-E
1/2"	½" - 14 NPTF	VHC400NV	4VF4-E	4VF4-B-E
/2	½" - 14 BSPP		4VBF4-E	4VBF4-B-E
3/4"	3/4" - 14 NPTF	VHC600NV	6VF6-E	6VF6-B-E
	3/4" - 14 BSPP		6VBF6-E	6VBF6-B-E
1"	1" - 11½ NPTF		8VF8-E	8VF8-B-E
	1" - 11 BSPP		8VBF8-E	8VBF8-B-E
11/4"	1¼" - 11½ NPTF		10VF10-E	10VF10-B-E
	11/4" - 11 BSPP		10VBF10-E	10VBF10-B-E
1½"	1½" - 11½ NPTF		12VF12-E	12VF12-B-E
2"	2" - 11½ NPTF		16VF16-E	16VF16-B-E



Body Size	Threads	316 Stainless Steel Part #
1/4"	1⁄4" - 18 NPTF 1⁄4" - 19 BSPP	2VF2-SS-E 2VBF2-SS-E
3/8"	%" - 18 NPTF %" - 19 BSPP	3VF3-SS-E 3VBF3-SS-E
1/2"	½" - 14 NPTF ½" - 14 BSPP	4VF4-SS-E 4VBF4-SS-E
3/4"	3/4" - 14 NPTF 3/4" - 14 BSPP	6VF6-SS-E 6VBF6-SS-E
1"	1" - 11½ NPTF 1" - 11 BSPP	8VF8-SS-E 8VBF8-SS-E
11/4"	1¼" - 11½ NPTF 1¼" - 11 BSPP	10VF10-SS-E 10VBF10-SS-E
1½"	1½" - 11½ NPTF	12VF12-SS-E
2"	2" - 11½ NPTF	16VF16-SS-E





#### Snap-Tite H/IH Interchange Unvalved Male Threaded Couplers



steel

Body	Threads	Steel	Brass	316 Stainless Steel
Size	Inreads	Part #	Part #	Part #
1/4"	1/4" - 18 NPTF	2VM2-E	2VM2-B-E	2VM2-SS-E
3/8"	%" - 18 NPTF	3VM3-E	3VM3-B-E	3VM3-SS-E
1/2"	½" - 14 NPTF	4VM4-E	4VM4-B-E	4VM4-SS-E
3/4"	3/4" - 14 NPTF	6VM6-E	6VM6-B-E	6VM6-SS-E
1"	1" - 11½ NPTF	8VM8-E	8VM8-B-E	8VM8-SS-E
11/4"	11/4" - 111/2 NPTF	10VM10-E		10VM10-SS-E
1½"	1½" - 11½ NPTF	12VM12-E		12VM12-SS-E
2"	2" - 11½ NPTF	16VM16-E		16VM16-SS-E

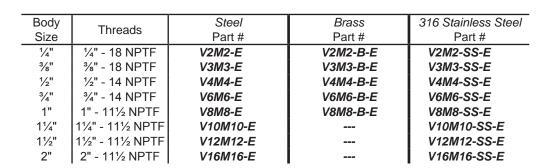


brass



316 stainless

#### **Snap-Tite H/IH Interchange Unvalved Male Threaded Plugs**





steel



brass



316 stainless

Hydraulic Fittings





# Hydraulic Fittings

### V-Series Hydraulic Couplings

#### **Snap-Tite H/IH Interchange Unvalved Female Threaded Plugs**



steel

Throada	Previous	Steel	Brass
Threads	Part #	Part #	Part #
1/4" - 18 NPTF		V2F2-E	V2F2-B-E
1/4" - 19 BSPP		V2BF2-E	V2BF2-B-E
%" - 18 NPTF		V3F3-E	V3F3-B-E
%" - 19 BSPP		V3BF3-E	V3BF3-B-E
½" - 14 NPTF	VHN400NV	V4F4-E	V4F4-B-E
½" - 14 BSPP		V4BF4-E	V4BF4-B-E
3/4" - 14 NPTF	VHN600NV	V6F6-E	V6F6-B-E
3/4" - 14 BSPP		V6BF6-E	V6BF6-B-E
1" - 11½ NPTF		V8F8-E	V8F8-B-E
1" - 11 BSPP		V8BF8-E	V8BF8-B-E
1¼" - 11½ NPTF		V10F10-E	V10F10-B-E
11/4" - 11 BSPP		V10BF10-E	V10BF10-B-E
1½" - 11½ NPTF		V12F12-E	V12F12-B-E
2" - 11½ NPTF		V16F16-E	V16F16-B-E
	1/4" - 19 BSPP 3/8" - 18 NPTF 3/8" - 19 BSPP 1/2" - 14 NPTF 1/2" - 14 BSPP 3/4" - 14 NPTF 3/4" - 14 BSPP 1" - 111/2 NPTF 1" - 11 BSPP 11/4" - 11 BSPP 11/4" - 11 BSPP 11/4" - 11 BSPP	Threads Part #  1/4" - 18 NPTF 1/4" - 19 BSPP 3/6" - 18 NPTF 3/6" - 19 BSPP 1/2" - 14 NPTF VHN400NV 1/2" - 14 NPTF VHN600NV 1" - 11 SPP 1" - 11 BSPP 11/4" - 11 BSPP 11/4" - 11 BSPP 11/2" - 111/2 NPTF 11/4" - 11 SPP 11/4" - 11 SPP 11/2" - 111/2 NPTF	Threads Part #  1/4" - 18 NPTF V2F2-E  1/4" - 19 BSPP V2BF2-E  3/8" - 18 NPTF V3F3-E  3/8" - 19 BSPP V3BF3-E  1/2" - 14 NPTF VHN400NV V4F4-E  1/2" - 14 BSPP V4BF4-E  3/4" - 14 NPTF VHN600NV V6F6-E  3/4" - 14 BSPP V6BF6-E  1" - 11½ NPTF V8F8-E  1" - 11½ NPTF V10F10-E  11/4" - 11 BSPP V10BF10-E  11½" - 11½ NPTF V12F12-E



brass



Body Size	Threads	316 Stainless Steel Part #
1/4"	1⁄4" - 18 NPTF	V2F2-SS-E
/4	1/4" - 19 BSPP	V2BF2-SS-E
3/8"	%" - 18 NPTF	V3F3-SS-E
/8	%" - 19 BSPP	V3BF3-SS-E
1/2"	½" - 14 NPTF	V4F4-SS-E
/2	½" - 14 BSPP	V4BF4-SS-E
3/4"	3/4" - 14 NPTF	V6F6-SS-E
/4	3/4" - 14 BSPP	V6BF6-SS-E
1"	1" - 11½ NPTF	V8F8-SS-E
'	1" - 11 BSPP	V8BF8-SS-E
11/4"	1¼" - 11½ NPTF	V10F10-SS-E
1 /4	1¼" - 11 BSPP	V10BF10-SS-E
1½"	1½" - 11½ NPTF	V12F12-SS-E
2"	2" - 11½ NPTF	V16F16-SS-E



#### Snap-Tite H/IH Interchange Dust Caps / Plugs

D 1 0:	N	itṛile
Body Size	Previous Part #	Part #
1/4"	VHC002	1HDP
1/4"	VHN002	V2DC
3/8"		3VDP-V3DC
1/2"	VHCN003	3KDP-K3DC
3/4"	VHCN006	6VDP-V6DC
1"	VHCN008	8VDP-V8DC



#### **Snap-Tite H/IH Interchange Dust Plugs**

D C'	Aluminum body with steel cable				
Body Size	Previous Part #	Part #			
1/4"		2VDP-A			
3/8"		3VDP-A			
1/2"		4VDP-A			
3/4"		6VDP-A			
1"		8VDP-A			
11/4"	VHC010	10VDP-A			
1½"	VHC012	12VDP-A			
2"	VHC016	16VDP-A			



#### **Snap-Tite H/IH Interchange Dust Caps**

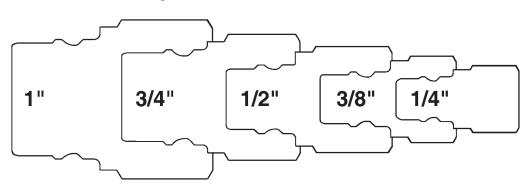
	Aluminum body with steel cable				
Body Size	Previous Part #	Part #			
1/4"		V2DC-A			
3/8"		V3DC-A			
1/2" 3/"		V4DC-A			
		V6DC-A			
1"		V8DC-A			
11/4"	VHN010	V10DC-A			
11/2"	VHN012	V12DC-A			
2"	VHN016	V16DC-A			



#### **Plug Profiles**

## Industry/Competitor Interchange

Snap-tite H Faster TNV





### **Snap-Tite H/IH Interchange Coupler Seal Kits**

-ittings		Snap-Tite H/IH Interchange Coupler Seal Kits						
Œ	Body Size	Coupler Style	Description	<i>Nitrile</i> Part #				
<u>.0</u>	1/4"	all	body / adapter O-rings and PTFE back-up	2V-SKIT				
ī	3/8"	all	body / adapter O-rings and PTFE back-up	3V-SKIT				
Hydraulic	1/2"	all	body / adapter O-rings and PTFE back-up	4V-SKIT				
<u>&gt;</u>	3/4"	all	body / adapter O-rings and PTFE back-up	6V-SKIT				
	1"	all	body / adapter O-rings and PTFE back-up	8V-SKIT				
	11⁄4"	all	body / adapter/valve O-rings and back-up	10V-SKIT				
	1½"	all	body / adapter/valve O-rings and back-up	12V-SKIT				
	2"	all	body / adapter/valve O-rings and back-up	16V-SKIT				

Body Size	Coupler Style	Description	<i>FKM</i> Part #
1/4"	all	body / adapter O-rings and PTFE back-up	F-2V-SKIT
3/8"	all	body / adapter O-rings and PTFE back-up	F-3V-SKIT
1/2"	all	body / adapter O-rings and PTFE back-up	F-4V-SKIT
3/4"	all	body / adapter O-rings and PTFE back-up	F-6V-SKIT
1"	all	body / adapter O-rings and PTFE back-up	F-8V-SKIT
11/4"	all	body / adapter/valve O-rings and back-up	F-10V-SKIT
1½"	all	body / adapter/valve O-rings and back-up	F-12V-SKIT
2"	all	body / adapter/valve O-rings and back-up	F-16V-SKIT



П					
1	Body Size	Coupler Style	Description	EPDM Part #	
	1/4"	all	body / adapter O-rings and PTFE back-up	P-2V-SKIT	
	3/8"	all	body / adapter O-rings and PTFE back-up	P-3V-SKIT	
	1/2"	all	body / adapter O-rings and PTFE back-up	P-4V-SKIT	
	3/4"	all	body / adapter O-rings and PTFE back-up	P-6V-SKIT	
	1"	all	body / adapter O-rings and PTFE back-up	P-8V-SKIT	
	11/4"	all	body / adapter/valve O-rings and back-up	P-10V-SKIT	
	1½"	all	body / adapter/valve O-rings and back-up	P-12V-SKIT	
	2"	all	body / adapter/valve O-rings and back-up	P-16V-SKIT	

#### **Snap-Tite H/IH Interchange Coupler Repair Kits**

Snap-Tite H/IH Interchange Coupler Repair Kits				
Body Size	Coupler Material	Seal Material	Description	Part # 2 <i>V-RKIT</i>
	steel	nitrile	steel valve assembly and adapter O-ring	2V-RKIT
1/4"	brass	nitrile	brass valve assembly and adapter O-ring	
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	2V-BRKIT 2V-SSRKIT 3V-RKIT 3V-BRKIT
	steel	nitrile	steel valve assembly and adapter O-ring	3V-RKIT
3/8"	brass	nitrile	brass valve assembly and adapter O-ring	3V-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	3V-SSRKIT
	steel	nitrile	steel valve assembly and adapter O-ring	4V-RKIT
1/2"	brass	nitrile	brass valve assembly and adapter O-ring	4V-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	4V-SSRKIT
	steel	nitrile	steel valve assembly and adapter O-ring	6V-RKIT
3/4"	brass	nitrile	brass valve assembly and adapter O-ring	6V-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	6V-SSRKIT
	steel	nitrile	steel valve assembly and adapter O-ring	8V-RKIT
1"	brass	nitrile	brass valve assembly and adapter O-ring	8V-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	8V-SSRKIT
41/11	steel	nitrile	steel valve assembly and adapter O-ring	140030-10
11/4"	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-10
41/11	steel	nitrile	steel valve assembly and adapter O-ring	140030-12
1½"	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-12
0"	steel	nitrile	steel valve assembly and adapter O-ring	140030-16
2"	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-16

#### **Snap-Tite H/IH Interchange Plug Repair Kits**

Body Size	Coupler Material	Seal Material	Description	Part #
	steel	nitrile	steel valve assembly and adapter O-ring	V2-RKIT
1/4"	brass	nitrile	brass valve assembly and adapter O-ring	V2-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V2-SSRKIT
	steel	nitrile	steel valve assembly and adapter O-ring	V3-RKIT
3/8"	brass	nitrile	brass valve assembly and adapter O-ring	V3-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V3-SSRKIT
	steel	nitrile	steel valve assembly and adapter O-ring	V4-RKIT
1/2"	brass	nitrile	brass valve assembly and adapter O-ring	V4-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V4-SSRKIT
	steel	nitrile	steel valve assembly and adapter O-ring	V6-RKIT
3/4"	brass	nitrile	brass valve assembly and adapter O-ring	V6-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V6-SSRKIT
	steel	nitrile	steel valve assembly and adapter O-ring	V8-RKIT
1"	brass	nitrile	brass valve assembly and adapter O-ring	V8-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V8-SSRKIT
41/"	steel	nitrile	steel valve assembly and adapter O-ring	140030-10
11/4"	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-10
11/"	steel	nitrile	steel valve assembly and adapter O-ring	140030-12
1½"	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-12
2"	steel	nitrile	steel valve assembly and adapter O-ring	140030-16
۷	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-16





#### 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"	%" - 18 NPTF %" - 19 BSPP	3TRF3 3TRBF3
1/2"	½" - 14 NPTF ½" - 14 BSPP	4TRF4 4TRBF4
3/"	¾" - 14 NPTF ¾" - 14 BSPP	6TRF6 6TRBF6
1"	1" - 11½ NPTF 1" - 11 BSPP	8TRF8 8TRBF8

#### **Tema European Female Threaded Plugs**



Body Size	Threads	Steel Part #
3/8"	%" - 18 NPTF %" - 19 BSPP	TR3F3 TR3BF3
1/2"	½" - 14 NPTF ½" - 14 BSPP	TR4F4 TR4BF4
3/"	¾" - 14 NPTF ¾" - 14 BSPP	TR6F6 TR6BF6
1"	1" - 11½ NPTF 1" - 11 BSPP	TR8F8 TR8BF8

#### **Tema European Coupler Seal Kits**

**Plug Profiles** 



Body Size	Coupler Style	Seal Kit Contents	<i>Nitrile</i> Part #
3/8"	all	two O-rings and one PTFE back-up ring	3TR-SKIT
1/2"	all	two O-rings and one PTFE back-up ring	4TR-SKIT
3/4"	all	two O-rings and one PTFE back-up ring	6TR-SKIT
1"	all	two O-rings and one PTFE back-up ring	8TR-SKIT

## Industry/Competitor Interchange

TEMA European Interchange TEMA 3800, 5000, 7500, 1000 Series CEJN Series 525

# 1" 3/4" 1/2" 3/8"

Please contact Dixon for dust caps and dust plugs.



#### 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 Part #	316 Stainless Steel Part #
	1/4" - 18 NPTF	2HTF2	
1/4"	1/4" - 19 BSPP	2HTBF2	
/4	9/16" - 18 ORB	2HTOF3	
	%" - 18 NPTF	3HTF3	3HTF3-SS
	%" - 19 BSPP	3HTBF3	3HTBF3-SS
	9/16" - 18 ORB	3HTOF3	
3/8"	½" - 14 NPTF	3HTF4	3HTF4-SS
	½" - 14 BSPP	3HTBF4	3HTBF4-SS
	3/4" - 16 ORB	3HTOF4	
	½" - 14 NPTF	4HTF4	4HTF4-SS
	½" - 14 BSPP	4HTBF4	4HTBF4-SS
	<sup>3</sup> ⁄ <sub>4</sub> " - 16 ORB	4HTOF4	
1/2"	%" - 14 ORB	4HTOF5	
	3/4" - 14 NPTF	4HTF6	4HTF6-SS
	3/4" - 14 BSPP	4HTBF6	4HTBF6-SS
	1-1/16" - 12 ORB	4HTOF6	
	⅓" - 14 ORB	5HTOF5	
5/11	3/4" - 14 NPTF	5HTF6	5HTF6-SS
5/8"	3/4" - 14 BSPP	5HTBF6	5HTBF6-SS
	1-1/16" - 12 ORB	5HTOF6	
	⅓" - 14 ORB	6HTOF5	
	3/4" - 14 NPTF	6HTF6	6HTF6-SS
	3/4" - 14 BSPP	6HTBF6	6HTBF6-SS
3/4"	1-1/16" - 12 ORB	6HTOF6	
	1" - 11½ NPTF	6HTF8	6HTF8-SS
	1" - 11 BSPP	6HTBF8	6HTBF8-SS
	1-5/16" - 12 ORB	6HTOF8	
	1" - 11½ NPTF	8HTF8	8HTF8-SS
	1" - 11 BSPP	8HTBF8	8HTBF8-SS
1"	1-5/16" - 12 ORB	8HTOF8	
ı	11/4" - 111/2 NPTF	8HTF10	8HTF10-SS
	11/4" - 11 BSPP	8HTBF10	8HTBF10-SS
	1%" - 12 ORB	8HTOF10	
1½"	1½" - 11½ NPTF	12HTF12	
	1½" - 11 BSPP	12HTBF12	
	1%" - 12 ORB	12HTOF12	
2"	2" - 11½ NPTF	16HTF16	
	2" - 11 BSPP	16HTBF16	
	2½" - 12 ORB	16HTOF16	



steel



316 stainless

#### **Flushface Male Threaded Couplers**

Body Size	Threads	Steel Part #
3/8"	3⁄8" - 18 NPTF 1∕2" - 14 NPTF 9/16" - 18 ORB 3∕4" - 16 ORB	3HTM3 3HTM4 3HTOM3 3HTOM4
1/2"	½" - 14 NPTF	4HTM4



4HTM4



3HTOM4

473



#### Flushface Female Threaded Plugs

Pody Sizo	Threads	Steel	316 Stainless Steel
Body Size	Tilleaus	Part #	Part #
	1/4" - 18 NPTF	HT2F2	
1/4"	1/4" - 19 BSPP	HT2BF2	
	9/16" - 18 ORB	HT2OF3	
	%" - 18 NPTF	HT3F3	HT3F3-SS
	%" - 19 BSPP	HT3BF3	HT3BF3-SS
3/"	9/16" - 18 ORB	HT3OF3	
/8	½" - 14 NPTF	HT3F4	HT3F4-SS
	½" - 14 BSPP	HT3BF4	HT3BF4-SS
	3/4" - 16 ORB	HT3OF4	
	½" - 14 NPTF	HT4F4	HT4F4-SS
	1/2" - 14 BSPP	HT4BF4	HT4BF4-SS
	3/4" - 16 ORB	HT4OF4	
1/2"	⅓" - 14 ORB	HT4OF5	
	3/4" - 14 NPTF	HT4F6	HT4F6-SS
	3/4" - 14 BSPP	HT4BF6	HT4BF6-SS
	1-1/16" - 12 ORB	HT4OF6	
	⅓" - 14 ORB	HT5OF5	
5/8"	3/4" - 14 NPTF	HT5F6	HT5F6-SS
78	3/4" - 14 BSPP	HT5BF6	HT5BF6-SS
	1-1/16" - 12 ORB	HT5OF6	
	⅓" - 14 ORB	HT6OF5	
	34" - 14 NPTF	HT6F6	HT6F6-SS
	3/4" - 14 BSPP	HT6BF6	HT6BF6-SS
3/4"	1-1/16" - 12 ORB	HT6OF6	
	1" - 11½ NPTF	HT6F8	HT6F8-SS
	1" - 11 BSPP	HT6BF8	HT6BF8-SS
	1-5/16" - 12 ORB	HT6OF8	
	1" - 11½ NPTF	HT8F8	HT8F8-SS
	1" - 11 BSPP	HT8BF8	HT8BF8-SS
4"	1-5/16" - 12 ORB	HT8OF8	
1"	11/4" - 111/2 NPTF	HT8F10	HT8F10-SS
	11/4" - 11 BSPP	HT8BF10	HT8BF10-SS
	1%" - 12 ORB	HT8OF10	
1½"	1½" - 11½ NPTF	HT12F12	
	1½" - 11 BSPP	HT12BF12	
	1%" - 12 ORB	HT12OF12	
	2" - 11½ NPTF	HT16F16	
2"	2" - 11 BSPP	HT16BF16	
	l	l	



steel



316 stainless



#### **Flushface Male Threaded Plugs**

21/2" - 12 ORB



HT4M4



HT3OM4

Body Size	Threads	Steel Part #
3/8"	%" - 18 NPTF ½" - 14 NPTF 9/16" - 18 ORB ¾" - 16 ORB	HT3M3 HT3M4 HT3OM3 HT3OM4
1/2"	½" - 14 NPTF	HT4M4

HT16OF16



#### Flushface Male Threaded Bulkhead Couplers





4HTRB5

#### Flushface Male Threaded Bulkhead Plugs

Body Size	Threads	<i>Steel</i> Part #
1/2"	⅓" - 14 JIC BH 1" - 14 ORFS BH 1-1/16" - 12 JIC BH	HT4JB5 HT4RB5 HT4JB6



#### **Flushface Coupler Dust Plugs**

Body Size	Nitrile
	Part #
1/4"	2HTDP
3/8"	3HTDP
1/2"	4HTDP
5/8"	5HTDP
3/4"	6HTDP
1"	8HTDP





#### Flushface Plug Dust Caps

Body Size	<i>Nitrile</i> Part #
1/4"	HT2DC
3/8"	HT3DC
1/2"	HT4DC
5/8"	HT5DC
3/4"	HT6DC
1"	HT8DC





#### Flushface Interchange Coupler Bulkhead Kits

Flushface Interchange Coupler Bulkhead Kits			
Body Size	Mounting Hole	Description	Steel Part #
1/4"	1.125"	Two 360° retaining rings	2HT-BMK
3/8"	1.250"	Two 360° retaining rings	знт-вмк
1/2"	1.560"	Two 360° retaining rings	4HT-BMK
5/8"	1.685"	Two 360° retaining rings	5HT-BMK
3/4"	1.870"	Two 360° retaining rings	6HT-BMK
1"	2.310"	Two 360° retaining rings	8HT-BMK

#### Flushface Interchange Coupler Seal Kits

Body Size	Coupler Style	Description	<i>Nitrile</i> Part #
1/4"	all	Stem/adapter/gland O-ring, gland B.U.	2HT-SKIT
3/8"	all	Stem/adapter/gland O-ring, gland B.U.	3HT-SKIT
1/2"	all	Stem/adapter/gland O-ring, gland B.U.	4HT-SKIT
5/8"	all	Stem/adapter/gland O-ring, gland B.U.	5HT-SKIT
3/4"	all	Stem/adapter/gland O-ring, gland B.U.	6HT-SKIT
1"	all	Stem/adapter/gland O-ring, gland B.U.	8HT-SKIT

#### Flushface Interchange Nipple Seal Kits

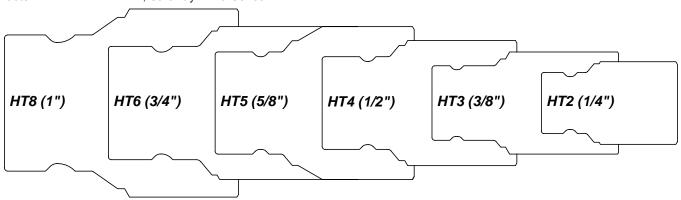


Body Size	Nipple Style	Description	<i>Nitrile</i> Part #
1/4"	all	Main valve seal and adapter O-ring	HT2-SKIT-V2
3/8"	all	Main valve seal and adapter O-ring	HT3-SKIT-V2
1/2"	all	Main valve seal and adapter O-ring	HT4-SKIT-V2
5/8"	all	Main valve seal and adapter O-ring	HT5-SKIT-V2
3/4"	all	Main valve seal and adapter O-ring	HT6-SKIT-V2
1"	all	Main valve seal and adapter O-ring	HT8-SKIT-V2

#### **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





#### 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 Part #
	½"-14 NPTF	HTE3F4
3/8"	1⁄2"-14 BSPP	HTE3BF4
	3/4"-16 ORB	HTE3OF4
	½"-14 NPTF	HTE4F4
	1/2"-14 BSPP	HTE4BF4
	3/4"-16 ORB	HTE4OF4
1/2"	⅓"-14 ORB	HTE4OF5
	3/4"-14 NPTF	HTE4F6
	3/4"-14 BSPP	HTE4BF6
	1-1/16"-12 ORB	HTE4OF6
	7⁄₃"-14 ORB	HTE5OF5
5/11	3/4"-14 NPTF	HTE5F6
5/8"	3/4"-14 BSPP	HTE5BF6
	1-1/16"-12 ORB	HTE5OF6
	3/4"-14 NPTF	HTE6F6
	3/4"-14 BSPP	HTE6BF6
3/4"	1-1/16"-12 ORB	HTE6OF6
/4	1"-11½ NPTF	HTE6F8
	1"-11 BSPP	HTE6BF8
	1-5/16"-12 ORB	HTE6OF8
	1"-11½ NPTF	HTE8F8
	1"-11 BSPP	HTE8BF8
1"	1-5/16"-12 ORB	HTE8OF8
'	11/4"-111/2 NPTF	HTE8F10
	11/4"-11 BSPP	HTE8BF10
	1%"-12 ORB	HTE8OF10







# Hydraulic Fittings



#### 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	<i>Steel</i> Part #
1/2"	1½"-14 NPTF ¾"-14 NPTF ¾"-16 ORB ½"-14 ORB 1-1/16"-12 ORB	4HTZF4 4HTZF6 4HTZOF4 4HTZOF5 4HTZOF6





#### 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**

	ı	011	040 04-1-1 041
Body Size	Threads	Steel	316 Stainless Steel
Body Cizo	Tilloddo	Part #	Part #
1/4"	1/4" - 18 NPTF	2STF2	2STF2-SS
74	<sup>74</sup>   ½" - 19 BSPP	2STBF2	2STBF2-SS
	1/4" - 18 NPTF	3STF2	
	%" - 18 NPTF	3STF3	3STF3-SS
3/8"	%" - 19 BSPP	3STBF3	3STBF3-SS
	1/2" - 14 NPTF	3STF4	3STF4-SS
	1/2" - 14 BSPP	3STBF4	3STBF4-SS
	1/2" - 14 NPTF	4STF4	4STF4-SS
1/2"	1/2" - 14 BSPP	4STBF4	4STBF4-SS
	3/4" - 16 ORB	4STOF4	
	3/4" - 14 NPTF	6STF6	6STF6-SS
3/4"	3/4" - 14 BSPP	6STBF6	6STBF6-SS
	1-1/16" - 12 ORB	6STOF6	
	1" - 11½ NPTF	8STF8	8STF8-SS
	1" - 11 BSPP	8STBF8	8STBF8-SS
1"	1-5/16" - 12 ORB	8STOF8	
1	1¼" - 11½ NPTF	8STF10	8STF10-SS
	11/4" - 11 BSPP	8STBF10	8STBF10-SS
	1%" - 12 ORB	8STOF10	



steel



316 stainless

#### **Snap-Tite 71 Old Style Female Threaded Couplers**

Body Size	Threads	<i>Steel</i> Part #	316 Stainless Steel Part #
	1" - 11½ NPTF	8STF8-V2	
1"	1" - 11 BSPP	8STBF8-V2	
	1¼" - 11½ NPTF	8STF10-V2	
	1½" - 11½ NPTF	16STF12	
	1½" - 11 BSPP	16STBF12	
2"	1-%" - 12 ORB	16STOF12	
2	2" - 11½ NPTF	16STF16	16STF16-SS
	2" - 11 BSPP	16STBF16	
	2½" - 12 ORB	16STOF16	



steel



316 stainless





# Hydraulic Fittings

### ST-Series Hydraulic Couplings

#### **Snap-Tite 71 Female Threaded Plugs**



steel



316 stainless

Body Size	Threads	Steel	316 Stainless Steel
		Part #	Part #
1/4"	1/4" - 18 NPTF	ST2F2	ST2F2-SS
/4	1/4" - 19 BSPP	ST2BF2	ST2BF2-SS
	1/4" - 18 NPTF	ST3F2	
	%" - 18 NPTF	ST3F3	ST3F3-SS
3/8"	%" - 19 BSPP	ST3BF3	ST3BF3-SS
	½" - 14 NPTF	ST3F4	ST3F4-SS
	½" - 14 BSPP	ST3BF4	ST3BF4-SS
	½" - 14 NPTF	ST4F4	ST4F4-SS
1/2"	½" - 14 BSPP	ST4BF4	ST4BF4-SS
	¾" - 16 ORB	ST4OF4	
3/"	3/4" - 14 NPTF	ST6F6	ST6F6-SS
	3/4" - 14 BSPP	ST6BF6	ST6BF6-SS
	1-1/16" - 12 ORB	ST6OF6	
	1" - 11½ NPTF	ST8F8	ST8F8-SS
	1" - 11 BSPP	ST8BF8	ST8BF8-SS
4.0	1-5/16" - 12 ORB	ST8OF8	
1"	1¼" - 11½ NPTF	ST8F10	ST8F10-SS
	11/4" - 11 BSPP	ST8BF10	ST8BF10-SS
	1%" - 12 ORB	ST8OF10	

#### **Snap-Tite 71 Old Style Female Threaded Plugs**



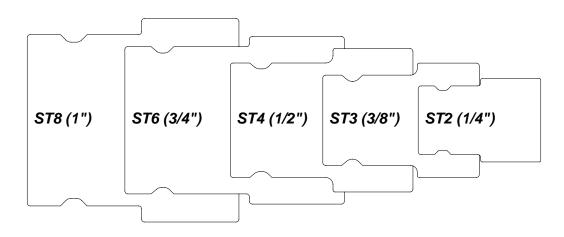
steel



316 stainless

		Steel	316 Stainless Steel
Body Size	Threads		
		Part #	Part #
	1" - 11½ NPTF	ST8F8-V2	
1"	1" - 11 BSPP	ST8BF8-V2	
	1¼" - 11½ NPTF	ST8F10-V2	
	1½" - 11½ NPTF	ST16F12	
	1½" - 11 BSPP	ST16BF12	
2"	1-%" - 12 ORB	ST16OF12	
2	2" - 11½ NPTF	ST16F16	ST16F16-SS
	2" - 11 BSPP	ST16BF16	
	2½" - 12 ORB	ST160F16	

#### **Plug Profiles**







#### **Dust Plugs**

Body Size	Aluminum body with steel cable Part #	
1/4"	2STDP-A	
3/8"	3STDP-A	
1/2"	4STDP-A	
3/4"	6STDP-A	
1"	8STDP-A	
1"	8STDP-A-V2	
2"	16STDP-A	



#### **Dust Caps**

Body Size	Aluminum body with steel cable Part #	
1/4"	ST2DC-A	
3/8"	ST3DC-A	
1/2"	ST4DC-A	
3/4"	ST6DC-A	
1"	ST8DC-A	
1"	ST8DC-A-V2	
2"	ST16DC-A	



#### **Snap-Tite 71 Bulkhead Kits**

 Body Size	Mounting Hole ID	Seal Kit Contents	Steel
 30dy 0120	IVIOUTILITY FIGURE	Courtin Contonio	Part #
1/4"	1.250"	two 360° retaining rings	2ST-BMK
3/8"	1.625"	two 360° retaining rings	3ST-BMK
1/2"	2.000"	two 360° retaining rings	4ST-BMK
3/4"	2.375"	two 360° retaining rings	6ST-BMK



#### **Snap-Tite 71 Coupler Seal Kits**

Body Size	Coupler Style	Seal Kit Contents	<i>Nitrile</i> Part #
1/4"	all	two seals and anti-extrusion rings	2ST-SKIT
3/8"	all	two seals and anti-extrusion rings	3ST-SKIT
1/2"	all	two seals and anti-extrusion rings	4ST-SKIT
3/4"	all	two seals and anti-extrusion rings	6ST-SKIT
1"	all	two seals and anti-extrusion rings	8ST-SKIT
1"	all	three seals and two anti-extrusion rings	8ST-SKIT-V2
2"	all	three seals and two anti-extrusion rings	16ST-SKIT

#### **Snap-Tite 71 Plug Seal Kits**

Body Size	Coupler Style	Seal Kit Contents	<i>Nitrile</i> Part #
1/4"	all	valve O-ring / back-up and adapter O-ring	ST2-SKIT
3/8"	all	valve O-ring / back-up and adapter O-ring	ST3-SKIT
1/2"	all	valve O-ring / back-up and adapter O-ring	ST4-SKIT
3/4"	all	valve O-ring / back-up and adapter O-ring	ST6-SKIT
1"	all	valve O-ring / back-up and adapter O-ring	ST8-SKIT
2"	all	main valve seal	ST16-SKIT



#### 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	<i>Steel</i> Part #
1/8"	⅓" - 27 NPT ¼" - 18 NPT	1PDF1 1PDF2

#### **Male NPT Couplers**



Body Size	Threads	<i>Steel</i> Part #
1/8"	1⁄4" - 18 NPT	1PDM2

#### **Female NPT Plugs**



Body Size	Threads	Steel
		Part #
1/"	1⁄8" - 27 NPT	PD1F1
1/8"	1⁄4" - 18 NPT	PD1F2

#### **Male Threaded Plugs**



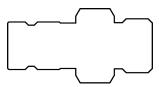
Body Size	Threads	<i>Steel</i> Part #
1/8"	½" - 27 NPT ¼" - 18 NPT 7/16" - 20 ORB 9/16" - 18 ORB	PD1M1 PD1M2 PD1OM2 PD1OM3

#### **Dust Caps**



Body Size	<i>Nitrile</i> Part #
1/8"	H1DC

#### **Plug Profile**





#### 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
	111100000	Part #
	1⁄4" - 18 NPTF	2VEPF2
1/4"	1/4"- 19 BSPP	2VEPBF2
	9/16" - 18 ORB	2VEPOF3
	%" - 18 NPTF	3VEPF3
	%" - 19 BSPP	3VEPBF3
3/8"	3/4" - 16 ORB	3VEPOF4
	½" - 14 NPTF	3VEPF4
	1/2" - 14 BSPP	3VEPBF4
	½" - 14 NPTF	4VEPF4
	1/2" - 14 BSPP	4VEPBF4
	¾" - 16 ORB	4VEPOF4
1/2"	⅓" - 14 ORB	4VEPOF5
	3/4" - 14 NPTF	4VEPF6
	3/4" - 14 BSPP	4VEPBF6
	1-1/16" - 12 ORB	4VEPOF6
	3/4" - 14 NPTF	6VEPF6
3/4"	¾" - 14 BSPP	6VEPBF6
	1-1/16" - 12 ORB	6VEPOF6
	1" - 11½ NPTF	8VEPF8
1"	1" - 11 BSPP	8VEPBF8
	1-5/16" - 12 ORB	8VEPOF8
	1¼" - 11½ NPTF	10VEPF10
11/4"	1¼" - 11 BSPP	10VEPBF10
	1-5⁄8" - 12 ORB	10VEPOF10
	1½" - 11½ NPTF	12VEPF12
1½"	1½" - 11 BSPP	12VEPBF12
	1-1/8" - 12 ORB	12VEPOF12
	2" - 11½ NPTF	16VEPF16
2"	2" - 11 BSPP	16VEPBF16
	2½" - 12 ORB	16VEPOF16
-		







### Female Threaded Plugs

Pody Ciza	Throada	Steel
Body Size	Threads	Part #
	1/4" - 18 NPTF	VEP2F2
1/4"	1/4"- 19 BSPP	VEP2BF2
	9/16" - 18 ORB	VEP2OF3
	3/8" - 18 NPTF	VEP3F3
	3/8" - 19 BSPP	VEP3BF3
3/8"	3/4" - 16 ORB	VEP3OF4
	½" - 14 NPTF	VEP3F4
	1/2" - 14 BSPP	VEP3BF4
	½" - 14 NPTF	VEP4F4
	½" - 14 BSPP	VEP4BF4
	3/4" - 16 ORB	VEP4OF4
1/2"	⅓" - 14 ORB	VEP4OF5
	3/4" - 14 NPTF	VEP4F6
	3/4" - 14 BSPP	VEP4BF6
	1-1/16" - 12 ORB	VEP4OF6
	3/4" - 14 NPTF	VEP6F6
3/4"	3/4" - 14 BSPP	VEP6BF6
	1-1/16" - 12 ORB	VEP6OF6
	1" - 11½ NPTF	VEP8F8
1"	1" - 11 BSPP	VEP8BF8
	1-5/16" - 12 ORB	VEP8OF8
	1¼" - 11½ NPTF	VEP10F10
11/4"	11/4" - 11 BSPP	VEP10BF10
	1-5⁄8" - 12 ORB	VEP10OF10
	1½" - 11½ NPTF	VEP12F12
1½"	1½" - 11 BSPP	VEP12BF12
	1-%" - 12 ORB	VEP12OF12
	2" - 11½ NPTF	VEP16F16
2"	2" - 11 BSPP	VEP16BF16
	2½" - 12 ORB	VEP160F16



### **Dust Plugs**

Body Size	Aluminum body with steel cable
	Part #
1/4"	2VEPDP-A
3/8"	3VEPDP-A
1/2"	4VEPDP-A
3/4"	6VEPDP-A
1"	8VEPDP-A
11/4"	10VEPDP-A
1½"	12VEPDP-A
2"	16VEPDP-A



#### **Dust Caps**



Body Size	Aluminum body with steel cable Part #
1/4"	VEP2DC-A
• • • • • • • • • • • • • • • • • • • •	
3/8"	VEP3DC-A
1/2"	VEP4DC-A
3/"	VEP6DC-A
1"	VEP8DC-A
11/4"	VEP10DC-A
1½"	VEP12DC-A
2"	VEP16DC-A



#### **Code 62 Flange Head Coupler**

Body Size	Port	Steel
Body Size	Size	Part #
3/"	3/4"	6VEPFH6
1"	1"	8VEPFH8
11⁄4"	11⁄4"	10VEPFH10
1½"	1½"	12VEPFH12
2"	2"	16VEPFH16



flange head coupler

#### Code 62 Flange Head Plug

Dody Cina	Port	Steel
Body Size	Size	Part #
3/4"	3/"	VEP6FH6
1"	1"	VEP8FH8
11/4"	11/4"	VEP10FH10
1½"	1½"	VEP12FH12
2"	2"	VEP16FH16



flange head plug

#### **Code 62 Flange Pad Coupler**

Body Size	Port	Steel
Dody Size	Size	Part #
3/4"	3/"	6VEPFP6
1"	1"	8VEPFP8
11⁄4"	1¼"	10VEPFP10
1½"	1½"	12VEPFP12
2"	2"	16VEPFP16



flange pad coupler

#### Code 62 Flange Pad Plug

Pody Sizo	Port	Steel
Body Size	Size	Part #
3/4"	3/"	VEP6FP6
1"	1"	VEP8FP8
11/4"	11/4"	VEP10FP10
1½"	1½"	VEP12FP12
2"	2"	VEP16FP16



flange pad plug



#### 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
Body Size	Tilleaus	Part #
3/8"	3/8" - 18 NPTF	3VEPF3-BOP
1/2"	½" - 14 NPTF	4VEPF4-BOP
3/4"	3/4" - 14 NPTF	6VEPF6-BOP
1"	1" - 11½ NPTF	8VEPF8-BOP
11⁄4"	11/4" - 111/2 NPTF	10VEPF10-BOP
1½"	1½" - 11½ NPTF	12VEPF12-BOP

#### **Female Threaded Plugs**



Body Size	Threads	Steel Part #
3/8"	%" - 18 NPTF	VEP3F3-BOP
1/2"	½" - 14 NPTF	VEP4F4-BOP
3/4"	3/4" - 14 NPTF	VEP6F6-BOP
1"	1" - 11½ NPTF	VEP8F8-BOP
11⁄4"	11/4" - 111/2 NPTF	VEP10F10-BOP
1½"	1½" - 11½ NPTF	VEP12F12-BOP





#### 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	Steel
1/4"	1/8" - 27 NPTF		Part # 2WF1-B	Part #
/4				
3/8"	1/4" - 18 NPTF		3WF2-B	
/8	%" - 18 NPTF		3WF3-B	
	½" - 14 NPTF		6WF4-B	
3/"	1⁄2" - 14 BSPP		6WBF4-B	
74	3/4" - 14 NPTF	78-600	6WF6-B	
	3/4" - 14 BSPP		6WBF6-B	
1"	1" - 11½ NPTF	78-800	8WF8-B	8WF8
1	1" - 11 BSPP		8WBF8-B	
41/"	1¼" - 11½ NPTF	78-1000	10WF10-B	
11/4"	11/4" - 11 BSPP		10WBF10-B	
41/11	1½" - 11½ NPTF	78-1200	12WF12-B	
1½"	1½" - 11 BSPP		12WBF12-B	







#### **Hex-Nut Female Threaded Couplers**

Body Size	Threads	Brass	Steel
		Part #	Part #
1/4"	1/8" - 27 NPTF	2WF1-B-HN	
3/8"	1/4" - 18 NPTF	3WF2-B-HN	
/8	3⁄8" - 18 NPTF	3WF3-B-HN	
	1⁄2" - 14 NPTF	6WF4-B-HN	
3/4"	1⁄2" - 14 BSPP	6WBF4-B-HN	
74	3/4" - 14 NPTF	6WF6-B-HN	
	3/4" - 14 BSPP	6WBF6-B-HN	
1"	1" - 11½ NPTF	8WF8-B-HN	8WF8-HN
ı	1" - 11 BSPP	8WBF8-B-HN	
41/11	1¼" - 11½ NPTF	10WF10-B-HN	
1¼"	11/4" - 11 BSPP	10WBF10-B-HN	
41/11	1½" - 11½ NPTF	12WF12-B-HN	
1½"	1½" - 11 BSPP	12WBF12-B-HN	



brass



steel



# Hydraulic Fittings

## W-Series Hydraulic Couplings

#### **Female Threaded Plugs**







Body Size	Threads	Previous Part #	Brass	Steel
Body Size	Tilleaus	Flevious Fait #	Part #	Part #
1/4"	1/8" - 27 NPTF		W2F1-B	
3/8"	1/4" - 18 NPTF		W3F2-B	
/8	%" - 18 NPTF		W3F3-B	
	½" - 14 NPTF		W6F4-B	
3/4"	½" - 14 BSPP		W6BF4-B	
74	34" - 14 NPTF	79-600	W6F6-B	
	3/4" - 14 BSPP		W6BF6-B	
1"	1" - 11½ NPTF	79-800	W8F8-B	W8F8
I	1" - 11 BSPP		W8BF8-B	
11/4"	1¼" - 11½ NPTF	79-1000	W10F10-B	
1 /4	1¼" - 11 BSPP		W10BF10-B	
1½"	1½" - 11½ NPTF	79-1200	W12F12-B	
1 /2	1½" - 11 BSPP		W12BF12-B	

#### **Flanges**



Body Size	Bolt Hole Size	Previous Part #	Steel Part #
3/4"	0.201"	77-600	W6-BMF
1"	0.201"	77-800	W8-BMF
11/4"	0.201"	77-1000	W10-BMF
11/2"	0.201"	77-1200	W12-BMF

#### **Dust Plugs**



Body Size	Previous Part #	Steel body with steel cable Part #
1/4"		2WDP
3/8"		3WDP
3/4"	78-006	6WDP
1"	78-008	8WDP
11/4"	78-010	10WDP
1½"	78-012	12WDP

#### **Dust Caps**



Body Size	Previous Part #	Steel body with steel cable Part #
1/4"		W2DC
3/8"		W3DC
3/4"	79-006	W6DC
1"	79-008	W8DC
11/4"	79-010	W10DC
1½"	79-012	W12DC





#### **Coupler Repair Kits**

Body Size	Coupler Style	Seal Kit Contents	<i>Nitrile</i> Part #
3/4"	all	bonded valve, O-rings, and PTFE backup	6W-RKIT-V2
1"	all	bonded valve, O-rings, and PTFE backup	8W-RKIT-V2
11⁄4"	all	bonded valve, O-rings, and PTFE backup	10W-RKIT-V2
1½"	all	bonded valve, O-rings, and PTFE backup	12W-RKIT-V2



#### **Plug Repair Kits**

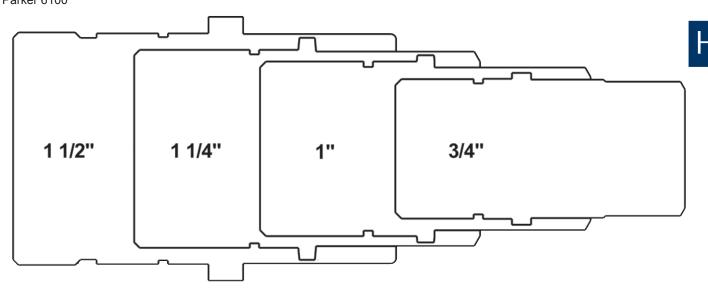
Body Size	Coupler Style	Seal Kit Contents	<i>Nitrile</i> Part #
3/4"	all	valve assembly and O-ring valve assembly and O-ring	W6-RKIT-V2
1"	all		W8-RKIT-V2
1½"	all	valve assembly and O-ring valve assembly and O-ring	W10-RKIT-V2
1½"	all		W12-RKIT-V2



#### **Profiles**

## Industry/Competitor Interchange

Aeroquip 5100 Parker 6100





#### 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

Pody Sizo	Threads	Steel	316 Stainless Steel
Body Size	rnieads	Part #	Part #
	½" - 14 NPTF	6WSF4	
3/4"	3/4" - 14 NPTF	6WSF6	6WSF6-SS
74	3/4" - 14 BSPP	6WSBF6	6WSBF6-SS
	1-1/16" - 12 ORB	6WSOF6	
	1" - 11½ NPTF	8WSF8	8WSF8-SS
1"	1" - 11 BSPP	8WSBF8	8WSBF8-SS
	1-5/16" - 12 ORB	8WSOF8	
	11/4" - 111/2 NPTF	10WSF10	10WSF10-SS
11⁄4"	1¼" - 11 BSPP	10WSBF10	10WSBF10-SS
174	1%" - 12 ORB	10WSOF10	
	1½" - 11½ NPTF	12WSF12	12WSF12-SS
1½"	1½" - 11 BSPP	12WSBF12	12WSBF12-SS
	1%" - 12 ORB	12WSOF12	
	2" - 11½ NPTF	16WSF16	16WSF16-SS
2"	2" - 11 BSPP	16WSBF16	16WSBF16-SS
	2½" - 12 ORB	16WSOF16	

#### **High Pressure Wingstyle Female Threaded Plugs**



steel



316 stainless

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
	½" - 14 NPTF	WS6F4	r art #
	<sup>3</sup> / <sub>4</sub> " - 14 NPTF	WS6F6	 WS6F6-SS
3/4"	3/4" - 14 NFTF	WS6BF6	WS6BF6-SS
	1-1/16" - 12 ORB	WS6OF6	W30BF0-33
	1" - 11½ NPTF		WC050 CC
4"		WS8F8	WS8F8-SS
1"	1" - 11 BSPP	WS8BF8	WS8BF8-SS
	1-5/16" - 12 ORB	WS8OF8	
	1¼" - 11½ NPTF	WS10F10	WS10F10-SS
11⁄4"	1¼" - 11 BSPP	WS10BF10	WS10BF10-SS
	1%" - 12 ORB	WS10OF10	
	1½" - 11½ NPTF	WS12F12	WS12F12-SS
11/2"	1½" - 11 BSPP	WS12BF12	WS12BF12-SS
.,_	1%" - 12 ORB	WS120F12	
	2" - 11½ NPTF	WS16F16	WS16F16-SS
2"	2" - 11 BSPP	WS16BF16	WS16BF16-SS
	2½" - 12 ORB	WS160F16	





#### High Pressure Wingstyle Code 62 Flange Head Coupler

Body Size	Port	Steel
Body Size	Size	Part #
3/"	3/4"	6WSFH6
1"	1"	8WSFH8
11⁄4"	11/4"	10WSFH10
1½"	1½"	12WSFH12
2"	2"	16WSFH16



### High Pressure Wingstyle Code 62 Flange Head Plug

Body Size	Port	Steel
	Size	Part #
3/4"	3/" /4	WS6FH6
1"	1"	WS8FH8
11/4"	1¼"	WS10FH10
1½"	1½"	WS12FH12
2"	2"	WS16FH16



#### High Pressure Wingstyle Code 62 Flange Pad Coupler

Rody Sizo	Port	Steel
Body Size	Size	Part #
3/"	3/4"	6WSFP6
1"	1"	8WSFP8
11⁄4"	11/4"	10WSFP10
1½"	1½"	12WSFP12
2"	2"	16WSFP16



## Н

#### High Pressure Wingstyle Code 62 Flange Pad Plug

Pody Sizo	Port	Steel
Body Size	Size	Part #
3/4"	3/4"	WS6FP6
1"	1"	WS8FP8
11/4"	11⁄4"	WS10FP10
1½"	1½"	WS12FP12
2"	2"	WS16FP16





# Hydraulic Fittings

#### WS-Series Hydraulic Couplings

#### **High Pressure Wingstyle Rigid Dust Plugs**



Body Size	Aluminum body with steel cable Part #
3/4"	6WSDP-A
1"	8WSDP-A
11/4"	10WSDP-A
1½"	12WSDP-A
2"	16WSDP-A

#### **High Pressure Wingstyle Rigid Dust Caps**



Body Size	Aluminum body with steel cable Part #	
3/4"	WS6DC-A	
1"	WS8DC-A	
11/4"	WS10DC-A	
1½"	WS12DC-A	
2"	WS16DC-A	

#### **High Pressure Wingstyle Coupler Seal Kits**



Body Size	Coupler Style	Seal Kit Contents	<i>Nitrile</i> Part #
3/4"	all	body / valve seals and retaining rings	6WS-SKIT
1"	all	body / valve seals and retaining rings	8WS-SKIT
11⁄4"	all	body / valve seals and retaining rings	10WS-SKIT
11/2"	all	body / valve seals and retaining rings	12WS-SKIT
2"	all	body / valve seals and retaining rings	16WS-SKIT

#### **High Pressure Wingstyle Coupler Repair Kits**



Body Size	Coupler Style	Repair Kit Contents	<i>Nitrile</i> Part #
3/4"	all	valve assembly, O-ring, and PTFE B.U.	6WS-RKIT
1"	all	valve assembly, O-ring, and PTFE B.U.	8WS-RKIT
11⁄4"	all	valve assembly, O-ring, and PTFE B.U.	10WS-RKIT
11/2"	all	valve assembly, O-ring, and PTFE B.U.	12WS-RKIT
2"	all	valve assembly, O-ring, and PTFE B.U.	16WS-RKIT



#### 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 repeatibility.
- Blowout Preventer Couplings are individually marked with the BOP series designation.

#### **High Pressure Wingstyle Female Threaded Couplers**

Body Size	Threads	<i>Steel</i> Part #	316 Stainless Steel Part #
3/"	½" - 14 NPTF	6WSF4-BOP	
74	34" - 14 NPTF	6WSF6-BOP	6WSF6-SS-BOP
1"	1" - 11½ NPTF	8WSF8-BOP	8WSF8-SS-BOP
11/4"	1¼" - 11½ NPTF	10WSF10-BOP	10WSF10-SS-BOP
11/2"	1½" - 11½ NPTF	12WSF12-BOP	12WSF12-SS-BOP
2"	2" - 11½ NPTF	16WSF16-BOP	16WSF16-SS-BOP



#### **High Pressure Wingstyle Female Threaded Plugs**

Body Size	Threads	<i>Steel</i> Part #	316 Stainless Steel Part #
3/,"	½" - 14 NPTF	WS6F4-BOP	
9/4"	3/4" - 14 NPTF	WS6F6-BOP	WS6F6-SS-BOP
1"	1" - 11½ NPTF	WS8F8-BOP	WS8F8-SS-BOP
11/4"	1¼" - 11½ NPTF	WS10F10-BOP	WS10F10-SS-BOP
11/2"	1½" - 11½ NPTF	WS12F12-BOP	WS12F12-SS-BOP
2"	2" - 11½ NPTF	WS16F16-BOP	WS16F16-SS-BOP





#### **High Pressure Wingstyle Seal Kits**

Body Size	Coupler Style	Repair Kit Contents	<i>FR FKM</i> Part #
3/4"	all	body / valve seals and retaining rings	6BOP-SKIT
1"	all	body / valve seals and retaining rings	8BOP-SKIT
11⁄4"	all	body / valve seals and retaining rings	10BOP-SKIT
11/2"	all	body / valve seals and retaining rings	12BOP-SKIT
2"	all	body / valve seals and retaining rings	16BOP-SKIT





#### 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	Steel	
Dody Size		Previous Part #	Part #
3/8"	%" - 18 NPTF	30-300F	3TF3

#### **Male NPTF Ball Couplers**



Body Size	Threads	Previous Part #	<i>Steel</i> Part #	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	30-200	2TM2		
3/8"	3%" - 18 NPTF	30-300	3TM3	%" - 18 NPT	3TM3-SS

#### **Male NPTF Poppet Couplers**





Body Size	Threads	Steel	316 Stainless Steel	
body Size		Part #	Part #	
3/8"	%" - 18 NPT	3TM3-PV	3TM3-SS-PV	

#### **Female NPTF Ball Plugs**



Body Size	Threads	Previous Part #	<i>Steel</i> Part #	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	31-200	T2F2		
3/8"	%" - 18 NPTF	31-300	T3F3	%" - 18 NPT	T3F3-SS

#### **Female NPTF Poppet Plugs**



Body Size	Threads	<i>Steel</i> Part #	316 Stainless Steel Part #
3/8"	%" - 18 NPT	T3F3-PV	T3F3-SS-PV



#### **Dust Plugs**

Body Size	Previous Part #	Steel body with rubber lanyard Part #
1/4"	30-200DP	2TDP
3/8"	30-300DP	3TDP



## Hydraulic Fittings

#### **Dust Caps**

Body Size	Previous Part #	Steel body with steel cable Part #
1/4"	31-200DC	T2DC
3/8"	31-300DC	T3DC



#### **Ball Coupler Seal Kits**

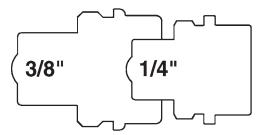
Body Size	Coupler Style	Seal Kit Contents	<i>Urethane</i> Part #
1/4"	ball valve	,	2T-SKIT
3/8"	ball valve		3T-SKIT



#### **Plug Profiles**

## Industry/Competitor Interchange

Parker 3000 Enerpac C604





#### 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**

Dody Cizo	Threads	Steel
Body Size	rnreaus	Part #
	1⁄4" - 18 NPTF	2CVVF2
1/4"	1⁄4" - 19 BSPP	2CVVBF2
	M14X1.5	2CVVFM1415
	%" - 18 NPTF	3CVVF3
3/8"	%" - 19 BSPP	3CVVBF3
	M16X1.5	3CVVFM1615
	½" - 14 NPTF	4CVVF4
	¾" - 16 ORB	4CVVOF4
½" - 16 ORB ½" - 14 BSPP	4CVVBF4	
/2	M18X1.5	4CVVFM1815
	⅓" - 14 ORB	4CVVOF5
	M22X1.5	4CVVFM2215
	3/4" - 14 NPTF	6CVVF6
3/4"	¾" - 14 BSPP	6CVVBF6
	M22X1.5	6CVVFM2215
1"	1" - 11½ NPTF	8CVVF8
	1" - 11 BSPP	8CVVBF8
11/4"	1¼" - 11½ NPTF	10CVVF10
1 /4	1¼" - 11 BSPP	10CVVBF10



#### **European Female Threaded Plugs**

Body Size	Threads	Steel Part #		
	1⁄4" - 18 NPTF	CVV2F2		
1/4"	1⁄4" - 19 BSPP	CVV2BF2		
	M14X1.5	CVV2FM1415		
	%" - 18 NPTF	CVV3F3		
3/8"	%" - 19 BSPP	CVV3BF3		
	M16X1.5	CVV3FM1615		
	½" - 14 NPTF	CVV4F4		
	3⁄4" - 16 ORB	CVV4OF4		
1/2"	½" - 14 BSPP	CVV4BF4		
/2	M18X1.5	CVV4FM1815		
	⅓" - 14 ORB	CVV4OF5		
	M22X1.5	CVV4FM2215		
	3/4" - 14 NPTF	CVV6F6		
3/4"	¾" - 14 BSPP	CVV6BF6		
	M22X1.5	CVV6FM2215		
1"	1" - 11½ NPTF	CVV8F8		
ı	1" - 11 BSPP	CVV8BF8		
11/4"	1¼" - 11½ NPTF	CVV10F10		
1 74	1¼" - 11 BSPP	CVV10BF10		





### **European Dust Plugs**

Body Size	Plastic	
Body Size	Part #	
1/4"	2CVVDP	
3/8"	3CVVDP	
1/2"	4CVVDP	
3/4"	6CVVDP	
1"	8CVVDP	
11/4"	10CVVDP	



### **European Dust Caps**

Body Size	Plastic	
Body Size	Part #	
1/4"	CVV2DC	
3/8"	CVV3DC	
1/2"	CVV4DC	
3/4"	CVV6DC	
1"	CVV8DC	
11/4"	CVV10DC	







#### 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	
Body Size	Tilleaus	Previous Part #	Part #	Previous Part #	Part #
1/8"	1/4" - 27 NPTF		1EF1-B		1EF1-S
1/4"	1/4" - 18 NPTF	STFC2	2EF2-B	STFC2SS	2EF2-S
74	1/4" - 19 BSPP		2EBF2-B		
3/8"	%" - 18 NPTF	STFC3	3EF3-B	STFC3SS	3EF3-S
78	%" - 19 BSPP		3EBF3-B		
1/3"	½" - 14 NPTF	STFC4	4EF4-B	STFC4SS	4EF4-S
/2	½" - 14 BSPP		4EBF4-B		
3/4"	3/4" - 14 NPTF	STFC6	6EF6-B	STFC6SS	6EF6-S
74	¾" - 14 BSPP		6EBF6-B		
1"	1" - 11½ NPTF	STFC8	8EF8-B	STFC8SS	8EF8-S
ı	1" - 11 BSPP		8EBF8-B		
11/4"	11/4" - 111/2 NPTF	STFC10	10EF10-B		10EF10-S
1½"	1½" - 11½ NPTF	STFC12	12EF12-B		12EF12-S
2"	2" - 11½ NPTF	STFC16	16EF16-B		16EF16-S

#### **Straight Through Male Threaded Couplers**





brass



303 stainless

Body Size	Threads	Brass		303 Stain	less Steel
Body Size	Tilleaus	Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF		1EM1-B		1EM1-S
1/4"	1/4" - 18 NPTF	STMC2	2EM2-B	STMC2SS	2EM2-S
3/8"	%" - 18 NPTF	STMC3	3EM3-B	STMC3SS	3EM3-S
1/2"	½" - 14 NPTF	STMC4	4EM4-B	STMC4SS	4EM4-S
3/4"	3/4" - 14 NPTF	STMC6	6EM6-B	STMC6SS	6EM6-S
1"	1" - 11½ NPTF	STMC8	8EM8-B	STMC8SS	8EM8-S
11⁄4"	1¼" - 11½ NPTF	STMC10	10EM10-B		
1½"	1½" - 11½ NPTF	STMC12	12EM12-B		
2"	2" - 11½ NPTF	STMC16	16EM16-B		

#### **Straight Through Hose Barb Couplers**



Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1/4"	2ES2-B
3/8"	3/8"	3ES3-B
1/2"	1/2"	4ES4-B
3/4"	3/4"	6ES6-B
1"	1"	8ES8-B

### **Straight Through Female Threaded Plugs**

Body	Threads	Ste	eel	Bra	ass
Size	rnreads	Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF		E1F1		E1F1-B
1/4"	1/4" - 18 NPTF	STFP2	E2F2	STFP2B	E2F2-B
/4	1/4" - 19 BSPP				E2BF2-B
3/8"	%" - 18 NPTF	STFP3	E3F3	STFP3B	E3F3-B
78	%" - 19 BSPP				E3BF3-B
1/2"	½" - 14 NPTF	STFP4	E4F4	STFP4B	E4F4-B
/2	½" - 14 BSPP				E4BF4-B
3/4"	3/4" - 14 NPTF		E6F6		E6F6-B
74	3/4" - 14 BSPP				E6BF6-B
1"	1" - 11½ NPTF	STFP8	E8F8	STFP8B	E8F8-B
	1" - 11 BSPP				E8BF8-B
11/4"	11/4" - 111/2 NPTF	STFP10	E10F10		E10F10-B
1½"	1½" - 11½ NPTF	STFP12	E12F12		E12F12-B
2"	2" - 11½ NPTF	STFP16	E16F16		E16F16-B



steel



brass

Body Size	Threads	303 Stain	less Steel
Body Size	Tilleaus	Previous Part #	Part #
1/8"	1⁄8" - 27 NPTF		E1F1-S
1/4"	1⁄4" - 18 NPTF	STFP2SS	E2F2-S
3/8"	3⁄8" - 18 NPTF	STFP3SS	E3F3-S
1/2"	½" - 14 NPTF	STFP4SS	E4F4-S
3/4"	3/4" - 14 NPTF		E6F6-S
1"	1" - 11½ NPTF	STFP8SS	<i>E8F</i> 8-S
11⁄4"	1¼" - 11½ NPTF		E10F10-S
1½"	1½" - 11½ NPTF		E12F12-S
2"	2" - 11½ NPTF		E16F16-S



#### **Straight Through Male Threaded Plugs**

		C44	1	D	
Body Size	Threads	Ste Previous Part #I		Previous Part #	ass l Part#
		Flevious Fait #	rail#	FIEVIOUS FAIL#	rail#
1/8"	1/4" - 27 NPTF		E1M1		E1M1-B
1/4"	1/4" - 18 NPTF	STMP2	E2M2	STMP2B	E2M2-B
3/8"	%" - 18 NPTF	STMP3	E3M3	STMP3B	E3M3-B
1/2"	½" - 14 NPTF	STMP4	E4M4	STMP4B	E4M4-B
3/4"	3/4" - 14 NPTF	STMP6	E6M6	STMP6B	E6M6-B
1"	1" - 11½ NPTF	STMP8	E8M8	STMP8B	E8M8-B
11/4"	11/4" - 111/2 NPTF	STMP10	E10M10		E10M10-B
11/2"	1½" - 11½ NPTF	STMP12	E12M12		E12M12-B
2"	2" - 11½ NPTF	STMP16	E16M16		E16M16-B



steel



brass

Body Size	Threads	303 Stain	less Steel
Body Size	Tilleaus	Previous Part #	Part #
1/8"	1/8" - 27 NPTF		E1M1-S
1/4"	1/4" - 18 NPTF	STMP2SS	E2M2-S
3/8"	%" - 18 NPTF	STMP3SS	E3M3-S
1/2"	½" - 14 NPTF	STMP4SS	E4M4-S
3/4"	3/4" - 14 NPTF	STMP6SS	E6M6-S
1"	1" - 11½ NPTF	STMP8SS	E8M8-S





# Hydraulic Fittings



brass

#### **Straight Through Hose Barb Plugs**

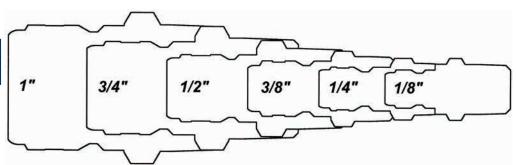
Body Size	Hose ID	Steel Part #	<i>Brass</i> Part #
1/4"	1/4"	E2\$2	E2S2-B
3/8"	3/8"	E3S3	E3S3-B
1/2"	1/2"	E4S4	E4S4-B
3/4"	3/4"	E6S6	E6S6-B
1"	1"	E8S8	E8S8-B

#### **Straight Through Coupler Seal Kits**

Pody Sizo	Coupler Style	Seal Kit	Nitrile	FKM	EPDM
Body Size	Coupler Style	Contents	Part #	Part #	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
11/4"	all	body O-ring	10E-SKIT	F-10E-SKIT	P-10E-SKIT
11/2"	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

#### 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 brinneling and internal
  erosion
- heavy duty knurled sleeve with locking pin provides maximum protection against brinneling 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	<i>Steel</i> Part #
1/2"	%" - 18 NPTF	4EAF3
1/2"	½" - 14 NPTF	4EAF4



#### **Water-Blast Plugs**

Body Size	Female Threads	Steel Part #
1/2"	%" - 18 NPTF	EA4F3
1/2"	½" - 14 NPTF	EA4F4



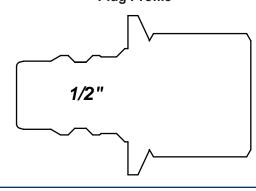
#### **Water-Blast Seal Kits**

Body Size	Coupler Style	Seal Kit Contents	<i>Nitrile</i> Part #
1/2"	all	body O-ring and PTFE back-up	4EA-SKIT

Body Size	Coupler Style	Seal Kit Contents	FKM
	_ ' '		Part #
1/2"	all	body O-ring and PTFE back-up	F-4EA-SKIT

	Body Size	Coupler Style	Seal Kit Contents	EPDM Part #
٠	1/2"	all	body O-ring and PTFE back-up	P-4EA-SKIT

#### **Plug Profile**





501



#### 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	Brass
		Part #	Part #
	1⁄8" - 27 NPTF	CM2F1	CM2F1-B
1/4"	1⁄4" - 18 NPTF	CM2F2	CM2F2-B
	%" - 18 NPTF	CM2F3	CM2F3-B
3/8"	1⁄4" - 18 NPTF	CM3F2	CM3F2-B
/8	%" - 18 NPTF	CM3F3	CM3F3-B
1/2"	½" - 14 NPTF		CM4F4-B
/2	¾" - 14 NPTF		CM4F6-B

#### **Industrial Mold Plug Male NPTF**



Body Size	Threads	<i>Brass</i> Part #
	1/8" - 27 NPTF	CM2M1-B
1/4"	1⁄4" - 18 NPTF	CM2M2-B
	%" - 18 NPTF	CM2M3-B
	1⁄4" - 18 NPTF	СМ3М2-В
3/8"	%" - 18 NPTF	СМЗМЗ-В
	½" - 14 NPTF	CM3M4-B
1/2"	½" - 14 NPTF	CM4M4-B
/2	¾" - 14 NPTF	CM4M6-B

#### **Industrial Mold Extension Plug Male NPTF**



Body Size	Threads	Brass
		Part #
	1⁄4" - 27 NPTF	CM2M1-B-L2.5
	1/8" - 27 NPTF	CM2M1-B-L4
	1/8" - 27 NPTF	CM2M1-B-L5.5
1/4"	1⁄4" - 18 NPTF	CM2M2-B-L2.5
	1/4" - 18 NPTF	CM2M2-B-L4
	1/4" - 18 NPTF	CM2M2-B-L5.5
	1/4" - 18 NPTF	CM2M2-B-L7
	1/8" - 27 NPTF	CM3M1-B-L2.5
	1/8" - 27 NPTF	CM3M1-B-L4
	1/8" - 27 NPTF	CM3M1-B-L5.5
	⅓" - 27 NPTF	CM3M1-B-L7
3/,"	1/4" - 18 NPTF	CM3M2-B-L2.5
/8	1/4" - 18 NPTF	CM3M2-B-L4
	1/4" - 18 NPTF	CM3M2-B-L5.5
	1/4" - 18 NPTF	CM3M2-B-L7
	1⁄4" - 18 NPTF	CM3M2-B-L8.5
	1/4" - 18 NPTF	CM3M2-B-L11.5



# CM-Series Hydraulic Couplings

## **Industrial Mold Unvalved Coupler Female NPTF**

Body Size	Threads	<i>Brass</i> Part #
1/4"	1/8" - 27 NPTF 1/4" - 18 NPTF	2CMF1-B-E 2CMF2-B-E
3/8"	1/4" - 18 NPTF 3/8" - 18 NPTF	3CMF2-B-E 3CMF3-B-E
1/2"	½" - 14 NPTF	4CMF4-B-E



## **Industrial Mold Valved Coupler Female NPTF**

Body Size	Threads	<i>Brass</i> Part #
1/4"	1/8" - 27 NPTF	2CMF1-B
3/8"	1/4" - 18 NPTF	3CMF2-B



## **Industrial Mold Unvalved Coupler Hose Barb**

Body Size	Hose ID	<i>Brass</i> Part #
1/4"	½" 5/16" %"	2CMS2-B-E 2CMS2.5-B-E 2CMS3-B-E
3/8"	3/8" 1/2"	3CMS3-B-E 3CMS4-B-E
1/"	½" 3/4"	4CMS4-B-E 4CMS6-B-E



# **Industrial Mold Valved Coupler Hose Barb**

Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1⁄4" 5/16" ¾"	2CMS2-B 2CMS2.5-B 2CMS3-B
3/8"	3/8" 1/2"	3CMS3-B 3CMS4-B



## **Industrial Mold Unvalved Coupler Push-Loc Barb**

Body Size	Hose ID	Brass Part #
<del></del>	4.78	
1/4"	1/4"	2CMB2-B-E
74	3/8"	2CMB3-B-E
3/11	3/8"	3CMB3-B-E
3/8"	1/2"	3CMB4-B-E
1/"	1/2"	4CMB4-B-E
1/2"	3/,"	4CMB6-B-F



## **Industrial Mold Valved Coupler Push-Loc Barb**

	Body Size	Hose ID	<i>Bra</i> ss Part #
·	1/4"	1/4"	2CMB2-B
/4	3/8"	2CMB3-B	
	3/8"	3/8"	3CMB3-B
	78	1/2"	3CMB4-B







# Hydraulic Fittings

# CM-Series Hydraulic Couplings

# Industrial Mold Unvalved Coupler 45° Hose Barb



Body Size	Hose ID	<i>Brass</i> Part #
	1/4"	2CM4S2-B-E
1/4"	5/16"	2CM4S2.5-B-E
	3/8"	2CM4S3-B-E
3/8"	3/8"	3CM4S3-B-E
78	1/2"	3CM4S4-B-E
1/"	1/2"	4CM4S4-B-E
1/2"	3/4"	4CM4S6-B-E

## **Industrial Mold Valved Coupler 45° Hose Barb**



Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1/4" 3/8"	2CM4S2-B 2CM4S3-B
3/8"	3/8" 1/2"	3CM4S3-B 3CM4S4-B

## Industrial Mold Unvalved Coupler 45° Push-Loc Barb



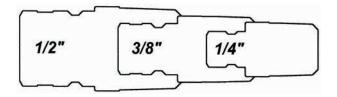
_	Body Size	Hose ID	<i>Brass</i> Part #
	1/4"	1/4" 3/ <sub>8</sub> "	2CM4B2-B-E 2CM4B3-B-E
_	3/8"	3/8" 1/2"	3CM4B3-B-E 3CM4B4-B-E
_	1/2"	1/2" 3/4"	4CM4B4-B-E 4CM4B6-B-E

## Industrial Mold Valved Coupler 45° Push-Loc Barb



Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1/4" 3/8"	2CM4B2-B 2CM4B3-B
3/8"	3/8" 1/2"	3CM4B3-B 3CM4B4-B

# **Plug Profiles**





# **CM-Series Hydraulic Couplings**

# Industrial Mold Unvalved Coupler 90° Hose Barb

Body Size	Hose ID	<i>Brass</i> Part #
	1/4"	2CM9S2-B-E
1/4"	5/16"	2CM9S2.5-B-E
	3/8"	2CM9S3-B-E
3/8"	3/8"	3CM9S3-B-E
78	1/2"	3CM9S4-B-E
1/"	1/2"	4CM9S4-B-E
1/2"	3/4"	4CM9S6-B-E



## Industrial Mold Valved Coupler 90° Hose Barb

Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1⁄4" 5/16" 3⁄8"	2CM9S2-B 2CM9S2.5-B 2CM9S3-B
3/8"	3/8" 1/2"	3CM9S3-B 3CM9S4-B



## Industrial Mold Unvalved Coupler 90° Push-Loc Barb

Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1/4" 3/8"	2CM9B2-B-E 2CM9B3-B-E
3/8"	3/8" 1/2"	3CM9B3-B-E 3CM9B4-B-E
1/2"	1/2" 3/4"	4CM9B4-B-E 4CM9B6-B-E



# Industrial Mold Valved Coupler 90° Push-Loc Barb

Body Size	Hose ID	<i>Brass</i> Part #
1/4"	1/4" 3/ <sub>8</sub> "	2CM9B2-B 2CM9B3-B
3/8"	3/8" 1/2"	3CM9B3-B 3CM9B4-B



# **Industrial Mold Interchange Dust Plugs**

Body Size	Lanyard	<i>Bra</i> ss Part #
1/4"	N/A	2CMPC-B
3/8"	N/A	3СМРС-В
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 Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	6000	FS2403-4
11/16"-16	6000	FS2403-6
13/16"-16	6000	FS2403-8
1"-14	6000	FS2403-10
1-3/16"-12	6000	FS2403-12
1-7/16"-12	6000	FS2403-16

## Male x Male SAE O-ring Boss Connectors

## Features:

- reference SAE 520120
- pressure rating at 70°F (21°C)



-		1 1 0 1 5		7: 0: 10: 1
	Male	Male SAE	PSI	Zinc Plated Steel
	Flat Face	O-ring Boss	P 51	Part #
_	9/16"-18	7/16"-20	5000	FS6400-4-4
	11/16"-16	9/16"-18	5000	FS6400-6-6
	13/16"-16	3/4"-16	4500	FS6400-8-8
	1"-14	½"-14	3500	FS6400-10-10
	1-3/16"-12	1-1/16"-12	3500	FS6400-12-12
	1-7/16"-12	1-5/16"-12	3000	FS6400-16-16

## Male x Male NPTF Connectors

## Features:

- reference SAE 520102
- pressure rating at 70°F (21°C)



Male	Male	PSI	Zinc Plated Steel
Flat Face	NPTF		Part #
9/16"-18	1/4"-18	5000	FS2404-4-4
11/16"-16	3/s"-18	4000	FS2404-6-6
13/16"-16	1/2"-14	3000	FS2404-8-8
1-3/16"-12 1-7/16"-12	3/4"-14 1"-111/2	2500 2000	FS2404-0-6 FS2404-12-12 FS2404-16-16

## Male x Female Swivel Nut 90° Elbows

## Features:

- reference SAE 520221
- pressure rating at 70°F (21°C)



	Male	Female	PSI	Zinc Plated Steel
_	Flat Face	Flat Face	F 51	Part #
	9/16"-18	9/16"-18	6000	FS6500-4-4
	11/16"-16	11/16"-16	6000	FS6500-6-6
	13/16"-16	13/16"-16	6000	FS6500-8-8
	1"-14	1"-14	6000	FS6500-10-10
	1-3/16"-12	1-3/16"-12	6000	FS6500-12-12
	1-7/16"-12	1-7/16"-12	6000	FS6500-16-16

# Male x Male SAE O-ring Boss 90° Elbows

- reference SAE 520220
- pressure rating at 70°F (21°C)



	Male	Male SAE	PSI	Zinc Plated Steel
F	Flat Face	O-ring Boss	. 0.	Part #
	9/16"-18	7/16"-20	5000	FS6801-4-4
1	11/16"-16	9/16"-18	5000	FS6801-6-6
1	13/16"-16	<sup>3</sup> ⁄ <sub>4</sub> "-16	4500	FS6801-8-8
	1"-14	7∕8"-14	3500	FS6801-10-10
1	-3/16"-12	1-1/16"-12	3500	FS6801-12-12
1	-7/16"-12	1-5/16"-12	3000	FS6801-16-16



# 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	1/4"-18	5000	FS2501-4-4
11/16"-16	3⁄8"-18	4000	FS2501-6-6
13/16"-16	1/2"-14	3000	FS2501-8-8
1-3/16"-12	³⁄₄"-14	2500	FS2501-12-12
1-7/16"-12	1"-11½	2000	FS2501-16-16



## **Male Union Tees**

## Features:

- reference SAE 520401
- pressure rating at 70°F (21°C)

Male	Male	Male	PSI	Zinc Plated Steel
Flat Face	Flat Face	Flat Face		Part #
9/16"-18 11/16"-16 13/16"-16 1"-14 1-3/6"-12 1-7/16"-12	9/16"-18 11/16"-16 13/16"-16 1"-14 1-3/16"-12 1-7/16"-12	9/16"-18 11/16"-16 13/16"-16 1"-14 1-3/16"-12 1-7/16"-12	6000 6000 6000 6000 6000	FS2603-4 FS2603-6 FS2603-8 FS2603-10 FS2603-12 FS2603-16



## 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	4500	FS6602-4
11/16"-16	11/16"-16	11/16"-16	4000	FS6602-6
13/16"-16	13/16"-16	13/16"-16	4000	FS6602-8
1"-14	1"-14	1"-14	3000	FS6602-10
1-3/16"-12	1-3/16"-12	1-3/16"-12	3000	FS6602-12
1-7/16"-12	1-7/16"-12	1-7/16"-12	2500	FS6602-16





## Caps

## Features:

- reference SAE 520112
- pressure rating at 70°F (21°C)

Female Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	6000	FS304C-4
11/16"-16	6000	FS304C-6
13/16"-16	6000	FS304C-8
1"-14	6000	FS304C-10
1-3/16"-12	6000	FS304C-12
1-7/16"-12	6000	FS304C-16



## **Plugs**

- reference SAE 520109
- pressure rating at 70°F (21°C)

Male	PSI	Zinc Plated Steel
Flat Face	FSI	Part #
9/16"-18	6000	FS2408-4
11/16"-16	6000	FS2408-6
13/16"-16	6000	FS2408-8
1"-14	6000	FS2408-10
1-3/16"-12	6000	FS2408-12
1-7/16"-12	6000	FS2408-16



# O-ring Boss

## Feature:

## **Port Reducers**





Male SAE	Female	PSI	Zinc Plated Steel
O-ring Boss	O-ring Port	FSI	Part #
9/16"-18	7/16"-20	5000	6410-6-4
9/16"-18	³⁄₄"-16	4500	6410-6-8
³⁄4"-16	½"-14	3500	6410-8-10
³⁄4"-16	9/16"-18	4500	6410-8-6
<b>⅓"-14</b>	1-1/16"-12	3500	6410-10-12
<b>⅓"-14</b>	³⁄₄"-16	3500	6410-10-8
1-1/16"-12	½"-14	3000	6410-12-10
1-1/16"-12	1-5/16"-12	3000	6410-12-16

## Feature:

## **Adjustable Unions**

pressure rating at 70°F (21°C)

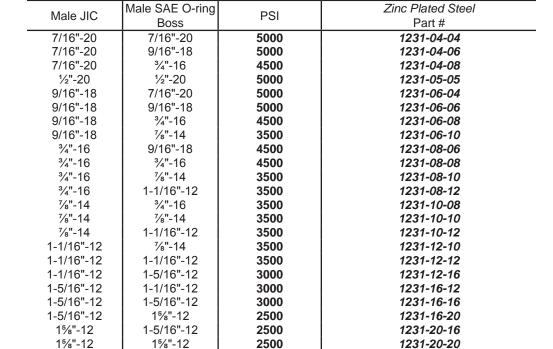


Male O-ring Boss	Adjustable O-ring Boss	PSI	Zinc Plated Steel Part #
O-filing bloss	C-IIIIg Doss		rail#
7/16"-20	7/16"-20	4500	6403-4
9/16"-18	9/16"-18	4000	6403-6
<sup>3</sup> ⁄ <sub>4</sub> "-16	3/4"-16	4000	6403-8
<sup>7</sup> ∕ <sub>8</sub> "-14	⅓"-14	3000	6403-10
1-1/16"-12	1-1/16"-12	3000	6403-12
1-5/16"-12	1-5/16"-12	2500	6403-16

## Features:

## Male JIC x Male SAE

- reference SAE 070120
- pressure rating at 70°F (21°C)







## Feature:

## Male x Male NPTF

70°E (24°C)



<ul> <li>pressure rating</li> </ul>	at <b>70°F (21°C)</b>		
Male SAE	Male NPTF	PSI	Zinc Plated Steel
O-ring Boss	Pipe Adapter	FSI	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 <sub>8</sub> "-18	4000	6401-6-6
9/16"-18	1/2"-14	3000	6401-6-8
3/4"-16	3 <sub>8</sub> "-18	3000	6401-8-6
3/4"-16	1/2"-14	3000	6401-8-8
½"-14	1/2"-14	3000	6401-10-8
1-1/16"-12	3/4"-14	2500	6401-12-12
1-5/16"-12	1"-11½	2000	6401-16-16
	877.963.4966 • dixonv	valve.com	DPL418

# O-ring Boss (ORB)

# Male x Female NPTF

## Feature:

• pressure rating at 70°F (21°C)

Male SAE O-ring Boss	Female NPTF Pipe	PSI	Zinc Plated Steel Part #
7/16"-20 7/16"-20 7/16"-20 7/16"-20 9/16"-18 9/16"-18 9/16"-18 3/4"-16 3/4"-16 3/4"-14 1-1/16"-12 1-1/16"-12 1-5/16"-12 1-5/16"-12 1-5/16"-12 1-5/16"-12 1-5/16"-12 1-5/16"-12 1-5/16"-12 1-5/16"-12 1-5/16"-12 1-5/16"-12	18"-27 1/4"-18 3/6"-18 3/6"-18 1/4"-18 3/8"-18 1/2"-14 1/4"-18 1/4"-14 1/4"-14 1/4"-14 1"-111/2 1/4"-11/2 11/4"-11/2 11/4"-11/2 11/4"-11/2	5000 5000 4000 4000 3000 3000 3000 3000	6405-4-2 6405-4-4 6405-4-6 6405-6-4 6405-6-8 6405-8-6 6405-8-8 6405-10-4 6405-10-12 6405-12-12 6405-12-12 6405-12-16 6405-16-12 6405-16-12 6405-16-16 6405-16-20 6405-20-16



## Features:

reference SAE 070220
pressure rating at 70°F (21°C)

procedio rating	a (= . o,		
Male SAE O-ring Boss	Male JIC	PSI	Zinc Plated Steel 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
¾"-16	9/16"-18	4500	1238-08-06
<sup>3</sup> ⁄ <sub>4</sub> "-16	³⁄₄"-16	4500	1238-08-08
¾"-16	⅓"-14	3500	1238-08-10
%"-14	¾"-16	3500	1238-10-08
⅓"-14	⅓"-14	3500	1238-10-10
⅓"-14	1-1/16"-12	3500	1238-10-12
1-1/16"-12	½"-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
15/8"-12	1-5/16"-12	2500	1238-20-16
1%"-12	15⁄s"-12	2500	1238-20-20
1%"-12	17⁄s"-12	2000	1238-24-24
_			





## 90° SAE x Female NPSM Swivel Nut Elbows

90° Male SAE x Male JIC Elbows

- reference SAE 140257
- pressure rating at 70°F (21°C)

pressure rating	at 70 1 (21 0)		
Male SAE	Female NPSM	PSI	Zinc Plated Steel
O-ring Boss	Swivel	_	Part #
7/16"-20	1⁄4"-18	4500	6901-4-4
7/16"-20	<b>¾"-18</b>	4000	6901-4-6
9/16"-18	1⁄4"-18	4000	6901-6-4
9/16"-18	³⁄ <sub>8</sub> "-18	4000	6901-6-6
9/16"-18	1/2"-14	4000	6901-6-8
³⁄₄"-16	3⁄ <sub>8</sub> "-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
<b>⅓"-14</b>	1/2"-14	3500	6901-10-8
<b>⅓"-14</b>	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"-11½	2500	6901-12-16
1-5/16"-12	3/4"-14	3000	6901-16-12
1-5/16"-12	1"-11½	2500	6901-16-16
1-5/16"-12	11/4"-111/2	2000	6901-16-20
15/8"-12	11/4"-111/2	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	=-		1-1
	9/16"-18	5000	1240-06-06
9/16"-18	¾"-16	4500	1240-06-08
3⁄4"-16	9/16"-18	4500	1240-08-06
3/4"-16	¾"-16	4500	1240-08-08
³⁄₄"-16	<b>⅓"-14</b>	3500	1240-08-10
<sup>7</sup> ∕ <sub>8</sub> "-14	3⁄4"-16	3500	1240-10-08
7∕ <sub>8</sub> "-14	<b>⅓"-14</b>	3500	1240-10-10
<b>7</b> ∕8"-14	1-1/16"-12	3500	1240-10-12
1-1/16"-12	<b>⅓"-14</b>	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%"-12	1-5/16"-12	2500	1240-20-16
15⁄8"-12	1%"-12	2500	1240-20-20

## Male 37° Flare x Male Branch Tees

## Features:

- reference SAE 070429pressure rating at 70°F (21°C)



## **SAE Plugs**

## Features:

- reference SAE 090109Apressure rating at 70°F (21°C)



Male SAE	PSI	Zinc Plated Steel
O-ring Boss	P 51	Part #
7/16"-20	5000	1255-04H
9/16"-18	5000	1255-06H
<sup>3</sup> ⁄ <sub>4</sub> "-16	4500	1255-08H
<b>⅓"-14</b>	3500	1255-10H
1-1/16"-12	3500	1255-12H
1-5/16"-12	3000	1255-16H
15/8"-12	2500	1255-20H
11/8"-12	2000	1255-24H
2½"-12	1500	1255-32H

## **Hollow Hex Plugs**

- reference SAE 090109B
- requires Allen wrench
- pressure rating at 70°F (21°C)



process came at 10 1 (11 0)		
Male SAE	PSI	Zinc Plated Steel
O-ring Boss	FSI	Part #
7/16"-20	5000	6408HHP-4
9/16"-18	5000	6408HHP-6
<sup>3</sup> / <sub>4</sub> "-16	4500	6408HHP-8
1√8"-14	3500	6408HHP-10
1-1/16"-12	3500	6408HHP-12
1-5/16"-12	3000	6408HHP-16
1%"-12	2500	6408HHP-20
1%"-12	1500	6408HHP-24
2½"-12	1500	6408HHP-32

# Male x Male

## Features:

- reference SAE 070101
- pressure rating at 70°F (21°C)

Male JIC 37°	Male JIC 37°	PSI	Zinc Plated Steel 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
<b>⅓"-14</b>	3/4"-16	3500	1204-10-08
<b>⅓"-14</b>	½"-14	3500	1204-10-10
1-1/16"-12	3/4"-16	3500	1204-12-08
1-1/16"-12	<sup>7</sup> ∕ <sub>8</sub> "-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%"-12	15/8"-12	2500	1204-20-20
11/2"-12	1%"-12	2000	1204-24-24



## **Male Flare x Male NPTF**

## Features:

- reference SAE 070102
- pressure rating at 70°F (21°C)

•	•	. ,		
Male JIC	Male	DCI	Zinc Plated Steel	316 Stainless Steel
37° Flare	NPTF	PSI	Part #	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	3⁄4"-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	3⁄4"-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	<b>¾"-18</b>	4000	2404-8-6	
<sup>3</sup> ⁄ <sub>4</sub> "-16	1/2"-14	3000	2404-8-8	SS2404-8-8
<sup>3</sup> ⁄ <sub>4</sub> "-16	3/4"-14	2500	2404-8-12	
<sup>7</sup> ∕8"-14	1/2"-14	3000	2404-10-8	
<sup>7</sup> ∕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"-11½	2000	2404-12-16	
1-5/16"-12	3/4"-14	2500	2404-16-12	
1-5/16"-12	1"-11½	2000	2404-16-16	SS2404-16-16
1%"-12	11/4"-111/2	1150	2404-20-20	
11/8"-12	1½"-11½	1000	2404-24-24	
2½"-12	2"-11½	1000	2404-32-32	





## Features:

- reference SAE 070103

<ul> <li>pressure ra</li> </ul>	ating at 70°F	(21°C)		
Male JIC	Female	DCI	Zinc Plated Steel	316 Stainless Steel
37° Flare	NPTF	PSI	Part #	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	3⁄4"-18	4000	2405-6-6	SS2405-6-6
9/16"-18	1/2"-14	3000	2405-6-8	
3⁄4"-16	3⁄4"-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	
⅓"-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"-11½	2000	2405-12-16	

2405-16-16

2405-20-20



1"-111/2

11/4"-111/2

2000

1150

1-5/16"-12

1%"-12

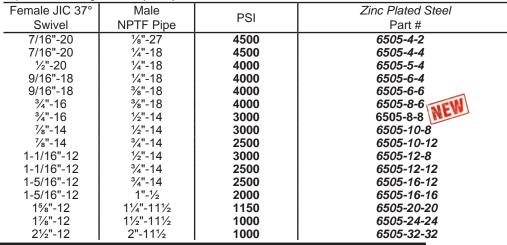
SS2405-16-16

**Male Flare x Female NPTF** 

## Female Swivel x Male NPTF

## Feature:

• pressure rating at 70°F (21°C)





## 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	<b>%"-18</b>	4000	6506-4-6
9/16"-18	1⁄4"-18	4000	6506-6-4
9/16"-18	<b>¾"-18</b>	4000	6506-6-6
³⁄₄"-16	1/2"-14	3000	6506-8-8
<sup>7</sup> ∕ <sub>8</sub> "-14	1/2"-14	3000	6506-10-8
1-1/16"-12	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	6506-12-12
1-5/16"-12	1" 11½	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	<i>Zinc Plated Steel</i> Part #
7/16"-20	7/16"-20	5000	1234-04-04
9/16"-18	9/16"-18	5000	1234-06-06
<sup>3</sup> ⁄4"-16	³⁄₄"-16	4500	1234-08-08
<b>7∕8"-14</b>	<b>⅓"-14</b>	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%"-12	1%"-12	2500	1234-20-20

## 90° Male Flare x Female Flare Swivel Elbows

- reference SAE 070221
  pressure rating at 70°F (21°C)



• pressure raining	at 10 F (21 C)		
Male	Female	PSI	Zinc Plated Steel
37° JIC Flare	37° JIC Swivel		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	⅓"-14	3500	6500-8-10
<sup>7</sup> ∕ <sub>8</sub> "-14	⅓"-14	3500	6500-10
1-1/16"-12	1-1/16"-12	3500	6500-12
1-1/16"-12	<i>7</i> ⁄8"-14	3500	6500-12-10
1-5/16"-12	1-5/16"-12	3000	6500-16
15/8"-12	15⁄8"-12	2500	6500-20



# 90° Male Flare x Male NPTF Elbows

## Features:

- reference SAE 070202pressure rating at 70°F (21°C)

- NA 1 110			7. 5	040.04 14 04 4
Male JIC	Male	PSI	Zinc Plated Steel	316 Stainless Steel
37° Flare	NPTF		Part #	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	<b>¾"-18</b>	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	<b>%</b> "-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	%"-18	4000	2501-8-6	
³⁄4"-16	1/2"-14	3000	2501-8-8	SS2501-8-8
<sup>3</sup> / <sub>4</sub> "-16	3/4"-14	2500	2501-8-12	
<sup>7</sup> ∕8"-14	1/2"-14	3000	2501-10-8	
<sup>7</sup> ∕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"-11½	2000	2501-12-16	
1-5/16"-12	3/4"-14	2500	2501-16-12	
1-5/16"-12	1"-11½	2000	2501-16-16	SS2501-16-16
15/8"-12	1"-11½	2000	2501-20-16	
15/8"-12	11/4"-111/2	1150	2501-20-20	
11/8"-12	1½"-11½	1000	2501-24-24	
21/2"-12	2"-11½	1000	2501-32-32	



## Feature:

pressure rating at 70°F (21°C)

# 90° Female Swivel x Male NPTF Elbows

• pressure railing	at 70 F (21 C)		
Female JIC 37°	Male	PSI	Zinc Plated Steel
Swivel	NPTF		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	³⁄₃"-18	4000	6501-6-6
3⁄4"-16	³⁄₃"-18	4000	6501-8-6
3⁄4"-16	1/2"-14	3000	6501-8-8
½"-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"-11½	2000	6501-16-16
15/8"-12	11/4"-111/2	1150	6501-20-20
11/8"-12	1½"-11½	1000	6501-24-24
21/2"-12	2"-111/2	1000	6501-32-32





45° Male Flare x Female Swivel Elbows

- reference SAE 070321
- pressure rating at 70°F (21°C)

Male JIC 37°	Female JIC 37° Swivel	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	4500	6502-4
9/16"-18	9/16"-18	4000	6502-6
<sup>3</sup> ⁄4"-16	<sup>3</sup> ⁄ <sub>4</sub> "-16	4000	6502-8
<sup>7</sup> ∕ <sub>8</sub> "-14	7∕s"-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 %"-12	1 %"-12	2000	6502-20





## 45° Male Flare x Male NPTF Elbows

## Features:

- reference SAE 070302pressure rating at 70°F (21°C)



Male JIC 37°	Male	PSI	Zinc Plated Steel
Flare	NPTF	. 0.	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	%"-18	4000	2503-6-6
<sup>3</sup> ⁄ <sub>4</sub> "-16	1⁄4"-18	4000	2503-8-4
<sup>3</sup> ⁄ <sub>4</sub> "-16	%"-18	4000	2503-8-6
<sup>3</sup> ⁄ <sub>4</sub> "-16	1/2"-14	3000	2503-8-8
½"-14	1/2"-14	3000	2503-10-8
½"-14	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	2503-10-12
1-1/16"-12	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	2503-12-12
1-5/16"-12	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	2503-16-12
1-5/16"-12	1"-11½	2000	2503-16-16

## Features:

## **Male Flare Union Tees**

- reference SAE 070401pressure rating at 70°F (21°C)



Male JIC 37° Flare (3)	PSI	Zinc Plated Steel Part #
7/16"-20	5000	2603-4
9/16"-18	5000	2603-6
<sup>3</sup> ⁄ <sub>4</sub> "-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° Flare (2)	Female JIC 37° Swivel	PSI	Zinc Plated Steel 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 070432pressure rating at 70°F (21°C)



,	Male JIC 37° Flare (2)	Female JIC 37° Swivel	PSI	Zinc Plated Steel Part #
	7/16"-20 9/16"-18 3/4"-16 7/6"-14 1-1/16"-12 1-5/16"-12	7/16"-20 9/16"-18 9/1-16 3/4"-16 7/6"-14 1-1/16"-12 1-5/16"-12	4500 4000 4000 3000 3000 2500	6602-4 6602-6 6602-8 6602-10 6602-12 6602-16
	1 <sup>5</sup> / <sub>8</sub> "-12	1-5/10 -12 15/8"-12	2000	6602-20

## Male Flare x Male NPTF Branch Tees

- reference SAE070425pressure rating at 70°F (21°C)



procedure rating at 10.1 (=1.0)							
Male JIC 37°	Male	PSI	Zinc Plated Steel				
Flare (2)	NPTF	P31	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⁄ <sub>8</sub> "-18	4000	2601-6-6				
³⁄₄"-16	1⁄2"-14	3000	2601-8-8-8				
<sup>7</sup> ∕ <sub>8</sub> "-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"-11½	2000	2601-16-16-16				



## Features:

• reference SAE 070112

## Flare Caps

• pressure rating at 70°F (21°C)

	, ,		
Female JIC 37° Flare	Tube OD	PSI	Zinc Plated Steel 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
<sup>3</sup> ⁄ <sub>4</sub> "-16	1/2"	4500	0304C-8
<sup>7</sup> ∕ <sub>8</sub> "-14	5/8"	3500	0304C-10
1-1/16"-12	3/4"	3500	0304C-12
1-5/16"-12	1"	3000	0304C-16
1%"-12	11/4"	2500	0304C-20
11/8"-12	1½"	2000	0304C-24
2½"-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 Part #
7/16"-20	1/4" 3/8" 1/2" 5/8" 3/4" 1"	5000	0318-4
9/16"-18		5000	0318-6
3⁄4"-16		4500	0318-8
7⁄8"-14		3500	0318-10
1-1/16"-12		3500	0318-12
1-5/16"-12		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 Part #	
5/16"-24	5000	1254-02H	
7/16"-20 9/16"-18	5000 5000	1254-04H 1254-06H	
3/10 - 10 3/4"-16	4500	1254-08H	
<sup>7</sup> ⁄8"−14	3500	1254-10H	
1-1/16"-12	3500	1254-12H	
1-5/16"-12	3000	1254-16H	
1½"-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 Part #
7/16"-20	5000	0319-4
9/16"-18	5000	0319-6
3⁄4"-16	4500	0319-8
<sup>7</sup> ⁄8"-14	3500	0319-10
1-1/16"-12	3500	0319-12
1-5/16"-12	3000	0319-16



## Features:

## Flare Bulkhead Unions with Lock Nut

- reference SAE 070601
- pressure rating at 70°F (21°C)

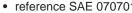
Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	5000	2700LN-4
9/16"-18	5000	2700LN-6
<sup>3</sup> ⁄ <sub>4</sub> "-16	4500	2700LN-8
7∕8"-14	3500	2700LN-10
1-1/16"-12	3500	2700LN-12
1-5/16"-12	3000	2700LN-16





## Flare 90° Bulkhead Elbow with Lock Nuts

## Features:



reference SAE 070701pressure rating at 70°F (21°C)



Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	5000	2701LN-4
9/16"-18	5000	2701LN-6
³⁄4"-16	4500	2701LN-8
7∕ <sub>8</sub> "-14	3500	2701LN-10
1-1/16"-12	3500	2701LN-12
1-5/16"-12	3000	2701LN-16

## Flare Bulkhead Lock Nuts

- reference SAE 070118
  pressure rating at 70°F (21°C)



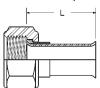
Female JIC 37° Bulkhead	Tube OD	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"	5000	0306-4
9/16"-18	3/8"	5000	0306-6
³⁄4"-16	1/2"	4500	0306-8
<b>⅓"-14</b>	5/8"	3500	0306-10
1-1/16"-12	3/4"	3500	0306-12
1-5/16"-12	1"	3000	0306-16



# Weld End Metal Hose Fittings

**Straight Female**All fittings have 316 seamless stainless steel tubes

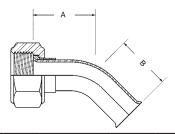
pressure rating at 70°F (21°C)





Female SAE 37° JIC	Tube OD	Pressure Rating PSI at <b>70°F (21°)</b>	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
¾" - 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%" - 12	11/4"	2050	2.375"	.065"	SFMF1250	FMF1250
11/8" - 12	11/2"	1700	2.375"	.065"	SFMF1500	FMF1500
2½" - 12	2"	1250	2.500"	.065"	SFMF2000	FMF2000

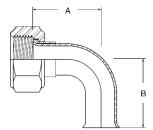
## 45° Elbow Female





Fe	emale SAE 37° JIC	Tube OD	Pressure Rating PSI at <b>70°F (21°)</b>		nsion I B	Bend Radius	Tube Wall	304 Stainless Steel Nut & Sleeve Part #	Carbon Steel Nut & Sleeve Part #
7	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
	¾" - 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
	15⁄8" - 12	11/4"	2050	2.100"	2.100"	2.000"	.065"		FMF1250-45
	11/8" - 12	1½"	1700	2.300"	2.300"	2.000"	.065"	SFMF1500-45	FMF1500-45
	2½" - 12	2"	1250	3.000"	3.000"	3.000"	.065"	SFMF2000-45	FMF2000-45

## 90° Elbow Female





Female SAE	Tube	Pressure Rating PSI		nsion	Bend	Tube	304 Stainless Steel Nut & Sleeve	Carbon Steel Nut & Sleeve
37° JIC	OD	at 70°F (21°)	A	В	Radius	Wall	Part #	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
15⁄8" - 12	11/4"	2050	3.500"	3.500"	2.000"	.065"	SFMF1250-90	FMF1250-90
1%" - 12	1½"	1700	3.750"	3.750"	2.000"	.065"	SFMF1500-90	FMF1500-90
2½" - 12	2"	1250	4.900"	4.900"	2.000"	.065"	SFMF2000-90	FMF2000-90



## **Male Hex Pipe Nipples**

## Features:

- reference SAE 140137
  pressure rating at 70°F (21°C)



Male	Male	DOL	Zinc Plated Steel
NPTF	NPTF	PSI	Part #
1/8"-27	1/8"-27	5000	5404-2
1/4"-18	1/4"-18	5000	5404-4
3⁄8"-18	<b>%</b> "-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	%"-18	3000	5404-8-6
<sup>3</sup> ⁄ <sub>4</sub> "-14	3/4"-14	2500	5404-12
<sup>3</sup> ⁄ <sub>4</sub> "-14	1/2"-14	2500	5404-12-8
1"-11½	1"-11½	2000	5404-16
1"-11½	3/4"-14	2000	5404-16-12
11/4"-111/2	11/4"-111/2	1150	5404-20

## Male x Female Hex Reducer Bushings

- reference SAE 140140pressure rating at 70°F (21°C)



Male	Female	PSI	Zinc Plated Steel
NPTF	NPTF	P 51	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
<sup>3</sup> ⁄ <sub>4</sub> "-14	1/8"-27	2500	5406-12-2
<sup>3</sup> ⁄ <sub>4</sub> "-14	1/4"-18	2500	5406-12-4
<sup>3</sup> ⁄ <sub>4</sub> "-14	3/8"-18	2500	5406-12-6
<sup>3</sup> ⁄ <sub>4</sub> "-14	1/2"-14	2500	5406-12-8
1"-11½	1/4"-18	2000	5406-16-4
1"-11½	3⁄8"-18	2000	5406-16-6
1"-11½	1/2"-14	2000	5406-16-8
1"-11½	3/4"-14	2000	5406-16-12
11/4"-111/2	%"-18	1150	5406-20-6
11/4"-111/2	1/2"-14	1150	5406-20-8
11/4"-111/2	3/4"-14	1150	5406-20-12
11/4"-111/2	1"-11½	1150	5406-20-16
1½"-11½	1/2"-14	1000	5406-24-8
1½"-11½	3/4"-14	1000	5406-24-12
1½"-11½	1"-11½	1000	5406-24-16
1½"-11½	11/4"-111/2	1000	5406-24-20
2"-11½"	1/2"-14	1000	5406-32-8
2"-11½"	3/4"-14	1000	5406-32-12
2"-11½"	1"-11½	1000	5406-32-16
2"-11½"	11/4"-111/2	1000	5406-32-20
2"-11½"	1½"-11½	1000	5406-32-24



## 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:

## Male x Female NPSM Swivel Adapters

- reference SAE 140130
- pressure rating at 70°F (21°C)

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
½"-18	1⁄4"-18	4500	1404-4-4
½"-18	3⁄8"-18	4000	1404-4-6
<b>¾"-18</b>	1⁄4"-18	4000	1404-6-4
<b>¾"-18</b>	3/8"-18	4000	1404-6-6
<b>¾"-18</b>	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"-11½	1"-11½	2000	1404-16-16
11/4"-111/2	11/4"-111/2	1150	1404-20-20
1½"-11½	1½"-11½	1000	1404-24-24
2"-11½	2"-11½	1000	1404-32-32



## Features:

## **Female Hex Pipe Couplings**

- reference SAE 140138
- pressure rating at 70°F (21°C)

Female	Female	501	Zinc Plated Steel
NPTF	NPTF	PSI	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
<sup>3</sup> ⁄4"-14	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	5000-12
1"-11½	3/4"-14	2000	5000-16-12
1"-11½	1"-11½	2000	5000-16
11/4"-111/2	11/4"-111/2	1150	5000-20
Foatures:		Female x F	Female NPSM Swivel Nuts





## Features:

- reference SAE 140131
- pressure rating at 70°F (21°C)

• pressure rating at 70 1 (21 C)					
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		
<b>%"-18</b>	1/4"-18	4000	1405-6-4		
<b>¾"-18</b>	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		
<sup>3</sup> / <sub>4</sub> "-14	1/2"-14	2500	1405-12-8		
³⁄4"-14	3/4"-14	2500	1405-12-12		
1"-11½	1"-11½	2000	1405-16-16		
11/4"-111/2	11/4"-111/2	1150	1405-20-20		
1½"-11½	1½"-11½	1000	1405-24-24		
2"-11½	2"-11½	1000	1405-32-32		



## Features:

• reference SAE 140237 pressure rating at 70°F (21°C)

• pressure rating	pressure rating at 70 F (21 C)					
Male	Male	PSI	Zinc Plated Steel			
NPTF	NPTF	FSI	Part #			
1⁄4"-18	1/4"-18	5000	5500-4			
<b>%"-18</b>	3 <sub>6</sub> "-18	4000	5500-6			
1/2"-14	1/2"-14	3000	5500-8			
³⁄4"-14	3/4"-14	2500	5500-12			
1"-11½	1"-11½	2000	5500-16			





90° Male x Male Elbows



## 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 3/8"-18 1/2"-14 3/4"-14 1"-111/2	1/4"-18 3/8"-18 1/2"-14 3/4"-14 1"-111/2	5000 4000 3000 2500 2000	5502-4 5502-6 5502-8 5502-12 5502-16
	11/4"-111/2	11/4"-111/2	1150	5502-20

## 90° Male x Female NPSM Swivel Nut Elbows

## Features:

- reference SAE 140230
- pressure rating at 70°F (21°C)



Mala NDTE	Female	DCI	Zinc Plated Steel
Male NPTF	NPSM Swivel	PSI	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- <b>4</b> -6
<b>%"-18</b>	1/4"-18	4000	1501-6-4
<b>%"-18</b>	3⁄8"-18	4000	1501-6-6
<b>%"-18</b>	1/2"-14	4000	1501-6-8
1/2"-14	3 <sub>8</sub> "-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"-11½	2000	1501-12-16
1"-11½	3/4"-14	2000	1501-16-12
1"-11½	1"-11½	2000	1501-16-16
1"-11½	11/4"-111/2	1150	1501-16-20
11/4"-111/2	11/4"-111/2	1150	1501-20-20

## Features:

# 90° Female Pipe Elbows

- reference SAE 140237
- pressure rating at 70°F (21°C)



1 3			
Female	Female	PSI	Zinc Plated Steel
NPTF	l NPTF	FOI	Part #
1/8"-27	1/8"-27	5000	5504-2
1⁄4"-18	1/4"-18	5000	5504-4
3⁄8"-18	³⁄ <sub>8</sub> "-18	4000	<i>5504-6</i>
1/2"-14	1/2"-14	3000	<i>5504-8</i>
3⁄4"-14	<sup>3</sup> / <sub>4</sub> "-14	2500	5504-12
1"-111/2	1"-11½	2000	5504-16

## 90° Female x Female NPSM Swivel Nut Elbows

- reference SAE 140251
  pressure rating at 70°F (21°C)



	Female	Female	PSI	Zinc Plated Steel
_	NPTF	NPSM Swivel	P 51	Part #
	1⁄4"-18	1/4"-18	4500	1502-4-4
	<b>%"-18</b>	3/8"-18	4000	1502-6-6
	1/2"-14	1/2"-14	3000	1502-8-8
	<sup>3</sup> / <sub>4</sub> "-14	3/4"-14	2500	1502-12-12
	1"-11½	1"-11½	2000	1502-16-16

## 45° Male x Female NPSM Swivel Nut Elbows

- 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"-111/2	1"-111/2	2000	1503-16-16



# **Male Pipe Tees**

## Features:

- reference SAE 140437pressure rating at 70°F (21°C)

Male NPTF (3)	PSI	Zinc Plated Steel Part #
1/4"-18	5000	5600-4
3⁄8"-18	4000	5600-6
1/2"-14	3000	5600-8
<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	5600-12
1"-11½	2000	5600-16



## Male x Female Pipe Tees

## Features:

- reference SAE 140427
- pressure rating at 70°F (21°C)

Male NPTF (2)	Female NPTF	PSI	Zinc Plated Steel Part #
1⁄4"-18	1/4"-18	5000	5601-4
<b>%"-18</b>	³⁄s"-18	4000	5601-6
1/2"-14	1/2"-14	3000	5601-8
<sup>3</sup> / <sub>4</sub> "-14	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	5601-12
1"-11½	1"-11½	2000	5601-16



## Female x Male Branch Tees

## Features:

- reference SAE 140425pressure rating at 70°F (21°C)

Female NPTF (2)	Male NPTF	PSI	Zinc Plated Steel Part #
1⁄4"-18	1/4"-18	5000	5604-4
3⁄x"-18	3⁄8"-18	4000	5604-6
1/2"-14	1/2"-14	3000	5604-8
<sup>3</sup> ⁄4"-14	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	5604-12
1"-11½	1"-11½	2000	5604-16





## **Female Pipe Tees**

Male x Female Run Tees

## Features:

- reference 140438pressure rating at 70°F (21°C)

Female NPTF (3)	PSI	Zinc Plated Steel Part #
1⁄4"-18	5000	5605-4
3⁄8"-18	4000	<i>5605-6</i>
1/2"-14	3000	<i>5605-8</i>
<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	5605-12
1"-11½	2000	5605-16



- reference 140424
- pressure rating at 70°F (21°C)

Male	Female	PSI	Zinc Plated Steel
NPTF	NPTF (2)	FSI	Part #
1/8"-27	1/8"-27	5000	5602-2
1/4"-18	1⁄4"-18	5000	5602-4
3⁄8"-18	3⁄8"-18	4000	5602-6
1/2"-14	1/2"-14	3000	5602-8
<sup>3</sup> ⁄ <sub>4</sub> "-14	³⁄₄"-14	2500	5602-12
1"-11½	1"-11½	2000	5602-16
1-1/4"-111/2	1-1/4"-111/2	1150	5602-20
1-1/2"-111/2	1-1/2"-111/2	1000	5602-24



## **Female Hex Caps**

## Feature:

pressure rating at 70°F (21°C)



Female NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	5000	5406C-2
½"-18	5000	5406C-4
<b>¾"-18</b>	4000	5406C-6
1/2"-14	3000	5406C-8
<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	5406C-12
1"-11½	2000	5406C-16
11/4"-111/2	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/s"-18	4000	1251-06H
1/2"-14	3000	1251-08H
<sup>3</sup> ⁄4"-14	2500	1251-12H
1"-11½	2000	1251-16H
11/4"-111/2	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
<sup>3</sup> ⁄ <sub>4</sub> "-16	M16X1.5	M7400-8-16
<sup>3</sup> ⁄ <sub>4</sub> "-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

pressure rating at 70°F (21°C)



Female	Male	Zinc Plated Steel
NPTF	Metric Parallel	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
<sup>3</sup> / <sub>4</sub> "-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 37° Flare	Male BSPP	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"-19	5000	B3800-4-4
9/16"-18	3⁄8"-19	4000	B3800-6-6
<sup>3</sup> ⁄ <sub>4</sub> "-16	1/2"-14	3000	B3800-8-8
1-1/16"-12	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	B3800-12-12
1-5/16"-12	1"-11	2000	B3800-16-16



## Male NPTF x Male

## Feature:

• pressure rating at 70°F (21°C)

Male NPTF	Male BSPP	PSI	Zinc Plated Steel Part #
1⁄4"-18	1/4"-19	5000	B3401-4-4
3⁄8"-18	3⁄8"-19	4000	B3401-6-6
½"-14	1/2"-14	3000	B3401-8-8
<sup>3</sup> ⁄ <sub>4</sub> "-14	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	B3401-12-12
1"-11½	1"-11	2000	B3401-16-16



## **Female NPTF x Male**

## Feature:

• pressure rating at 70°F (21°C)

Female NPTF	Male BSPP	PSI	Zinc Plated Steel Part #
1⁄4"-18	1/4"-19	5000	B3455-4-4
3⁄8"-18	3 <sub>8</sub> "-19	4000	B3455-6-6
1/2"-14	1/2"-14	3000	B3455-8-8
<sup>3</sup> / <sub>4</sub> "-14	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	B3455-12-12
1"-11½	1"-11	2000	B3455-16-16



## Male JIC 37° Flare x Male 90° Elbow

## Feature:

• pressure rating at 70°F (21°C)

Male JIC 37° Flare	Male BSPP	PSI	Zinc Plated Steel Part #
7/16"-20	½"-19	5000	B3801-4-4
9/16"-18	3⁄8"-19	4000	B3801-6-6
³⁄₄"-16	1/2"-14	3000	B3801-8-8
1-1/16"-12	<sup>3</sup> ⁄ <sub>4</sub> "-14	2500	B3801-12-12
1-5/16"-12	1"-11	2000	B3801-16-16



## **Bonded Dowty Seal for British Thread**

## Feature

• pressure rating at 70°F (21°C)

Size	Plated Carbon Steel with Buna O-ring Part #
1/4"-19	BDS04
%"-19	BDS06
1/2"-14	BDS08
3/4"-14	BDS12
1"-11	BDS16







## **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**

D4	Dad	NDTE	Code 61 Carbon Steel						
Port Size	Pad Size	NPTF Thread	c	)-ring	Fla	it Face			
	0.20		Previous Part#	Part #	Previous Part#	Part #			
1/2"	1/2"	1/2"-14	W43-8-8-U	C6143K0808NPT	W104-8-8	C611040808NPT			
3/4"	3/4"	3/4"-14	W43-12-12-U	C6143K1212NPT	W104-12-12	C611041212NPT			
1"	1"	1"-11½	W43-16-16-U	C6143K1616NPT	W104-16-16	C611041616NPT			
11/4"	11/4"	11/4"-111/2	W43-20-20-U	C6143K2020NPT	W104-20-20	C611042020NPT			
1½"	1½"	11/2"-111/2	W43-24-24-U	C6143K2424NPT	W104-24-24	C611042424NPT			
2"	2"	2"-11½	W43-32-32-U	C6143K3232NPT	W104-32-32	C611043232NPT			
21/2"	2½"	2½"-8	W43-40-40-U	C6143K4040NPT	W104-40-40	C611044040NPT			
3"	3"	3"-8	W43-48-48-U	C6143K4848NPT	W104-48-48	C611044848NPT			

Dort	Dad	NPTF		Code 62 C	arbon Steel	
Port Size	Pad Size	Thread	C	O-ring	Fla	t Face
			Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	1/2"-14	W44-8-8-U	C6244K0808NPT	W45-8-8	C62450808NPT
3/4"	3/4"	³⁄₄"-14	W44-12-12-U	C6244K1212NPT	W45-12-12	C62451212NPT
1"	1"	1"-11½	W44-16-16-U	C6244K1616NPT	W45-16-16	C62451616NPT
11/4"	11/4"	11/4"-111/2	W44-20-20-U	C6244K2020NPT	W45-20-20	C62452020NPT
1½"	1½"	11/2"-111/2	W44-24-24-U	C6244K2424NPT	W45-24-24	C62452424NPT
2"	2"	2"-11½	W44-32-32-U	C6244K3232NPT	W45-32-32	C62453232NPT

## **Hydraulic 4-Bolt Flange SAE Port**

Dowt	Pad	UN/UNF-2B	Code 61 Carbon Steel					
Port Size	Size	Thread	(	O-ring	Fla	t Face		
0.20	0.20		Previous Part #	Part #	Previous Part #	Part #		
1/2"	1/2"	<sup>3</sup> ⁄ <sub>4</sub> "-16	W46-8-8-U	C6146K0808SAE	W106-8-8	C611060808SAE		
3/4"	3/4"	1 <sup>1</sup> / <sub>16</sub> "-12	W46-12-12-U	C6146K1212SAE	W106-12-12	C611061212SAE		
1"	1"	1 <sup>5</sup> / <sub>16</sub> "-12	W46-16-16-U	C6146K1616SAE	W106-16-16	C611061616SAE		
11/4"	11/4"	1%"-12	W46-20-20-U	C6146K2020SAE	W106-20-20	C611062020SAE		
1½"	1½"	11/8"-12	W46-24-24-U	C6146K2424SAE	W106-24-24	C611062424SAE		
2"	2"	21/2"-12	W46-32-32-U	C6146K3232SAE 1	W106-32-32	C611063232SAE		

<sup>&</sup>lt;sup>1</sup> 1000 PSI maximum

Port	Pad	ad UN/UNF-2B	Code 62 Carbon Steel						
Size	Size	Thread	0	-ring	Fla	t Face			
			Previous Part #	Part #	Previous Part #	Part #			
1/2"	1/2"	³⁄₄"-16	W48-8-8-U	C6248K0808SAE	W49-8-8	C62490808SAE			
3/4"	3/4"	1 <sup>1</sup> / <sub>16</sub> "-12	W48-12-12-U	C6248K1212SAE	W49-12-12	C62491212SAE			
1"	1"	1 <sup>5</sup> / <sub>16</sub> "-12	W48-16-16-U	C6248K1616SAE	W49-16-16	C62491616SAE			
11/4"	11/4"	1%"-12	W48-20-20-U	C6248K2020SAE	W49-20-20	C62492020SAE			
1½"	1½"	11/8"-12	W48-24-24-U	C6248K2424SAE	W49-24-24	C62492424SAE			
2"	2"	2½"-12	W48-32-32-U	C6248K3232SAE	W49-32-32	C62493232SAE			

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







# **Hydraulic 4-Bolt Flanges**

## **Hydraulic 4-Bolt Flange Pipe Socket Weld**

	Pad Size	Code 61 Carbon Steel							
Port Size		O-r	ring	Flat Face					
0120		Previous Part #	Part #	Previous Part #	Part #				
1/2"	1/2"	W4-8-8-U	C614K0808PSW	W61-8-8	C61610808PSW				
3/4" 1"	3/ <sub>4</sub> " 1"	W4-12-12-U W4-16-16-U	C614K1212PSW   C614K1616PSW	W61-12-12 W61-16-16	C61611212PSW C61611616PSW				
11/4"	11/4"	W4-20-20-U	C614K2020PSW	W61-20-20	C61612020PSW				
1½"	11/2"	W4-24-24-U	C614K2424PSW	W61-24-24	C61612424PSW				
2"	2"	W4-32-32-U	C614K3232PSW	W61-32-32	C61613232PSW				
2½" 3"	2½" 3"	W4-40-40-U W4-48-48-U	C614K4040PSW	W61-40-40 W61-48-48	C61614040PSW C61614848PSW				

<b>5</b> .		Code 62 Carbon Steel							
Port Pad Size Size		O-1	ring	Flat Face					
	0120	Previous Part#	Part #	Previous Part #	Part #				
1/2"	1/2"	W59-8-8-U	C6259K0808PSW	W60-8-8	C62600808PSW				
3/4"	3/4"	W59-12-12-U	C6259K1212PSW	W60-12-12	C62601212PSW				
1"	1"	W59-16-16-U	C6259K1616PSW	W60-16-16	C62601616PSW				
11/4"	11/4"	W59-20-20-U	C6259K2020PSW	W60-20-20	C62602020PSW				
11/2"	11/2"	W59-24-24-U	C6259K2424PSW	W60-24-24	C62602424PSW				
2"	2"	W59-32-32-U	C6259K3232PSW	W60-32-32	C62603232PSW				
21/2"	21/2"	W59-40-40-U	C6259K4040PSW	W60-40-40	C62604040PSW				
3"	3"	W59-48-48-U	C6259K4848PSW	W60-48-48	C62604848PSW				





## Pressure Ratings of SAE Flanges Code 61 SAE J518-1 / ISO 6162-1

Dash	Sizo	Maximum Working Pressure		Fastener Torque Value
Size	Size	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	11/4"	4000	28	68
-24	11/2"	3000	21	111
-32	2"	3000	21	111
-40	21/2"	2500	17.5	111
-48	3"	2300	16	218
-56	3½"	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 Wo	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	11/4"	6000	40	111
-24	1½"	6000	40	218
-32	2"	6000	40	332
-40	2½"	6000	40	380
-48	3"	6000	40	667

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



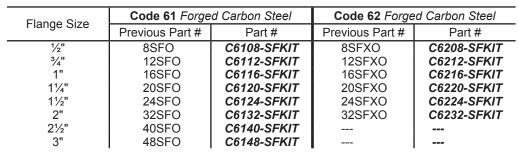


# Hydraulic Fittings

# Features:

## Code 61 / Code 62 Split Flange Kits

- 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





# Code 61 / Code 62 Flange Adapters

Straight Flange x Male JIC Hydraulic Adapter



JIC Thread	Tube OD	Flange	Code 61 Ca	Code 61 Carbon Steel		Code 62 Carbon Steel	
		Size	Previous Part #	Part #	Previous Part #	Part #	
<sup>3</sup> ⁄ <sub>4</sub> "-16	1/2"	1/2"	300-8-8	C6100F0808			
³⁄₄"-16	1/2"	3/4"	300-8-12	C6100F0812			
11/16"-12	3/4"	3/4"	300-12-12	C6100F1212	600-12-12	C6200F1212	
1 <sup>1</sup> / <sub>16</sub> "-12	3/4"	1"	300-12-16	C6100F1216	600-12-16	C6200F1216	
1 <sup>5</sup> / <sub>16</sub> "-12	1"	3/4"	300-16-12	C6100F1612	600-16-12	C6200F1612	
1 <sup>5</sup> / <sub>16</sub> "-12	1"	1"	300-16-16	C6100F1616	600-16-16	C6200F1616	
15/16"-12	1"	11/4"	300-16-20	C6100F1620	600-16-20	C6200F1620	
15/8"-12	11/4"	1"	300-20-16	C6100F2016	600-20-16	C6200F2016	
15/8"-12	11/4"	11/4"	300-20-20	C6100F2020	600-20-20	C6200F2020	
15/8"-12	11/4"	1½"	300-20-24	C6100F2024	600-20-24	C6200F2024	
11/8"-12	11/2"	11/4"	300-24-20	C6100F2420	600-24-20	C6200F2420	
11/8"-12	1½"	1½"	300-24-24	C6100F2424	600-24-24	C6200F2424	
11/8"-12	1½"	2"	300-24-32	C6100F2432	600-24-32	C6200F2432	
2½"-12	2"	1½"	300-32-24	C6100F3224	600-32-24	C6200F3224	
2½"-12	2"	2"	300-32-32	C6100F3232	600-32-32	C6200F3232	



## 90° Flange Elbow x Male JIC Hydraulic Adapter



JIC Thread	TILLING ()I) I		C Thread Tube OD Flange Code 61 Carbon Steel		arbon Steel	Code 62 C	arbon Steel
0.0000		Size	Previous Part#	Part #	Previous Part#	Part #	
3⁄4"-16	1/2"	3/4"	390-8-12	C6190F0812			
1 <sup>1</sup> / <sub>16</sub> "-12	3/4"	3/4"	390-12-12	C6190F1212	690-12-12	C6290F1212	
1 <sup>1</sup> / <sub>16</sub> "-12	3/4"	1"	390-12-16	C6190F1216	690-12-16	C6290F1216	
1 <sup>5</sup> / <sub>16</sub> "-12	1"	3/4"	390-16-12	C6190F1612	690-16-12	C6290F1612	
1 <sup>5</sup> / <sub>16</sub> "-12	1"	1"	390-16-16	C6190F1616	690-16-16	C6290F1616	
1 <sup>5</sup> / <sub>16</sub> "-12	1"	11/4"	390-16-20	C6190F1620	690-16-20	C6290F1620	
15/8"-12	11/4"	1"	390-20-16	C6190F2016	690-20-16	C6290F2016	
15/8"-12	11/4"	11/4"	390-20-20	C6190F2020	690-20-20	C6290F2020	
15/8"-12	11/4"	1½"	390-20-24	C6190F2024	690-20-24	C6290F2024	
1%"-12	11/2"	1½"	390-24-24	C6190F2424	690-24-24	C6290F2424	
1%"-12	11/2"	2"	390-24-32	C6190F2432	690-24-32	C6290F2432	
2½"-12	2"	1½"	390-32-24	C6190F3224	690-32-24	C6290F3224	
2½"-12	2"	2"	390-32-32	C6190F3232	690-32-32	C6290F3232	

## 45° Flange Elbow x Male JIC Hydraulic Adapter



JIC Thread	Tube OD	Flange	Code 61 Ca	rbon Steel	Code 62 Cal	rbon Steel
oro micad	Tube ob	Size	Previous Part #	Part #	Previous Part #	Part #
1 <sup>1</sup> / <sub>16</sub> "-12	3/4"	3/4"	340-12-12	C6145F1212	640-12-12	C6245F1212
15/16"-12	1"	1"	340-16-16	C6145F1616	640-16-16	C6245F1616
15/8"-12	11/4"	11/4"	340-20-20	C6145F2020	640-20-20	C6245F2020
11/8"-12	1½"	11/2"	340-24-24	C6145F2424	640-24-24	C6245F2424
2½"-12	2"	2"	340-32-32	C6145F3232	640-32-32	C6245F3232



## 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 NPTF	Plated Steel Part #
3/4"	3/4"-14	188-12
1"	1"-11½	188-16
11/4"	11/4"-111/2	188-20
11/2"	1½"-11½	188-24
2"	2"-11½	188-32



## Female SAE 37° Swivel Stem

Hose ID	Male NPTF	Plated Steel Part #
3/4"	1-1/16"-12	688-12
1"	1-5/16"-12	688-16
11/4"	15/8"-12	688-20
11/2"	11/8"-12	688-24
2"	2½"-12	688-32



# **Double Bolt Clamps**

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## 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

2-3/64"

2-19/64"

2-40/64"

Consult Dixon® when using double bolt clamps on helical wire hose.

Consult Dixon When doing double box dumps on helical Wile nece.					
Hose	OD	Plated Iron	Torque	Optional	
from	to	Part #	in ft. lbs.	Qty	
1-8/64"	1-12/64"	J48	15	100	
1-40/64"	1-52/64"	DL14	40	25	

DL20

**DL24**1

DL321



1-48/64"

2-7/64"

2-20/64"



<sup>·</sup> return line clamps must be used with these fittings

<sup>&</sup>lt;sup>1</sup> investment cast carbon steel

Hydraulic Hose Stems





- stems have a collar behind the hex to engage clamp fingers
- reference clamps on page 75







NPTF Size	Plated Steel Part #
11/4"	HY10
1½"	HY12
2"	HY16

## Hydraulic Hose Clamps For 1 Wire Hose

• for use only on 1 wire hydraulic hoses



Hose ID	Hose OD		Plated Iron	Torque in
позеть	from	to	Part #	ft. lbs.
3/8"	48/64"	50/64"	HD1-3	12
1/2"	56/64"	60/64"	HD1-4	18
3/4"	1-10/64"	1-14/64"	HD1-6	18
1"	1-29/64"	1-35/64"	HD1-8	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	Torque in
110301D	from	to	Part #	ft. lbs.
3/8"	50/64"	52/64"	HRC-037	18
1/2"	57/64"	1"	HRC-050	18
3/4"	1-16/64"	1-20/64"	HRC-075	36
1"	1-37/64"	1-41/64"	HRC-100	64
11/4"	1-54/64"	1-62/64"	HRC-125	90
11/2"	2-10/64"	2-18/64"	HRC-150	90
2"	2-43/64"	2-52/64"	HRC-200	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 Part #
9/16" - 18	3½"	1½"	9152
<sup>3</sup> ⁄ <sub>4</sub> " - 16	3½"	1½"	9153





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## 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. Bore/Tube OD	Length	Width	Height	Steel & Polypropylene Part #
½" pipe	1.65"	1.18"	1.30"	HST02P
1/4" pipe	1.89"	1.18"	1.54"	HST04P
1/4" tube	1.65"	1.18"	1.30"	HST04T
5/16" tube	1.65"	1.18"	1.30"	HST05T
%" pipe	1.89"	1.18"	1.54"	HST06P
¾" tube	1.65"	1.18"	1.30"	HST06T
½" pipe	2.17"	1.18"	1.61"	HST08P
½" tube	1.89"	1.18"	1.54"	HST08T
%" tube	1.89"	1.18"	1.54"	HST10T
¾" pipe	2.44"	1.18"	1.89"	HST12P
¾" tube	2.17"	1.18"	1.61"	HST12T
⅓" tube	2.17"	1.18"	1.61"	HST14T
1" pipe	2.91"	1.18"	2.52"	HST16P
1" tube	2.17"	1.18"	1.61"	HST16T
11/4" pipe	2.91"	1.18"	2.52"	HST20P
11/4" tube	2.91"	1.18"	2.52"	HST20T
1½" pipe	3.46"	1.18"	2.83"	HST24P
11/2" tube	2.91"	1.18"	2.52"	HST24T
2" tube	3.46"	1.18"	2.83"	HST32T





# **Twin Series**

Pipe Nom. Bore/Tube OD	Length	Width	Height	Steel & Polypropylene Part #
1/8" pipe	1.46"	1.18"	1.36"	HTW02P
1/4" pipe	1.46"	1.18"	1.36"	HTW04P
1/4" tube	1.46"	1.18"	1.36"	HTW04T
5/16" tube	1.46"	1.18"	1.36"	HTW05T
¾" pipe	2.17"	1.18"	1.42"	HTW06P
%" tube	1.46"	1.18"	1.36"	HTW06T
½" pipe	2.76"	1.18"	1.85"	HTW08P
½" tube	2.17"	1.18"	1.42"	HTW08T
%" tube	2.17"	1.18"	1.42"	HTW10T
¾" pipe	3.35"	1.18"	2.05"	HTW12P
¾" tube	2.76"	1.18"	1.85"	HTW12T
⅓" tube	2.76"	1.18"	1.85"	HTW14T
1" pipe	4.33"	1.18"	2.52"	HTW16P
1" tube	2.76"	1.18"	1.85"	HTW16T
11/4" pipe	4.33"	1.18"	2.52"	HTW20P
1¼" tube	4.33"	1.18"	2.52"	HTW20T
1½" tube	4.33"	1.18"	2.52"	HTW24T





# Hydraulic Fittings

# Pipe and Tube Clamps

# **Heavy Duty Series**



Pipe Nom. Bore/Tube OD	Length	Width	Height	Steel & Polypropylene Part #
1/8" pipe	2.87"	1.18"	1.89"	HHD02P
1/4" pipe	2.87"	1.18"	1.89"	HHD04P
1/4" tube	2.87"	1.18"	1.89"	HHD04T
5/16" tube	2.87"	1.18"	1.89"	HHD05T
%" pipe	2.87"	1.18"	1.89"	HHD06P
3/8" tube	2.87"	1.18"	1.89"	HHD06T
½" pipe	3.35"	1.18"	2.52"	HHD08P
½" tube	2.87"	1.18"	1.89"	HHD08T
%" tube	2.87"	1.18"	1.89"	HHD10T
3/4" pipe	3.35"	1.18"	2.52"	HHD12P
3/4" tube	3.35"	1.18"	2.52"	HHD12T
%" tube	3.35"	1.18"	2.52"	HHD14T
1" pipe	3.94"	1.18"	2.99"	HHD16P
1" tube	3.35"	1.18"	2.52"	HHD16T
11/4" pipe	5.51"	1.77"	4.33"	HHD20P
11/4" tube	3.94"	1.18"	2.99"	HHD20T
11/2" pipe	5.51"	1.77"	4.33"	HHD24P
11/2" tube	3.94"	1.18"	2.99"	HHD24T
2" pipe	5.51"	1.77"	4.33"	HHD32P
2" tube	5.51"	1.77"	4.33"	HHD32T



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## **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<sup>®</sup> for pricing
- full and standard port valves are repairable
- meets WW-V 35C, Type II Composition

Female NPT	Port	Bronze Part #
1/4"	full	BBV25
3/8"	full	BBV38
1/2"	full	BBV50
3/4"	standard	BBV75
1"	standard	BBV100
11/4"	standard	BBV125
1½"	standard	BBV150
2"	standard	BBV200
2½"	standard	BBV250
3"	standard	BBV300



- · 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	<i>Bronze</i> Part #
3/4"	full	BBV75FP
1"	full	BBV100FP
11/4"	full	BBV125FP
1½"	full	BBV150FP
2"	full	BBV200FP





# 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	<i>Bronze</i> Part #
1/4"	full	BBLV25
3/8"	full	BBLV38
1/2"	full	BBLV50
3/4"	standard	BBLV75
1"	standard	BBLV100
11/4"	standard	BBLV125
1½"	standard	BBLV150
2"	standard	BBLV200



## **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 #
½"	standard	BMV50
¾"	standard	BMV75
1"	standard	BMV100



# "Deadman" Spring Return Handle Brass Ball Valves

- 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	<i>Brass</i> Part #
1/2"	full	BBV50SR
3/4"	standard	BBV75SR
1"	standard	BBV100SR
1½"	standard	BBV150SR
2"	standard	BBV200SR



## 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)

Female NPT	Port	<i>Bronze</i> Part #
1½"	full	BBV50ST
3¼"	standard	BBV75ST
1"	standard	BBV100ST
2"	standard	BBV200ST



## 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	<i>Bronze</i> Part #
1/4"	full	BBV25LV
3/8"	full	BBV38LV
1/2"	full	BBV50LV
3/4"	standard	BBV75LV
1"	standard	BBV100LV
11/4"	standard	BBV125LV
1½"	standard	BBV150LV
2"	standard	BBV200LV



# 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
- ¼" NPT tapped port provides additional options such as an air venting elbow or noise muffler

Female NPT	Port	<i>Bronze</i> Part #
1/4"	full	BBV25VT
3/8"	full	BBV38VT
1/2"	full	BBV50VT
3/4"	full	BBV75VT
1"	full	BBV100VT

DPL418



## Imported Brass Ball Valves

## Application:

· for control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

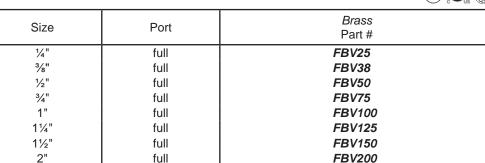
## Features:

- 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









## female NPT x female NPT





Size	Port	<i>Brass</i> Part #
2½"	full	FBV250
3"	full	FBV300
4"	full	FBV400

# 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®

- 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	<i>Brass</i> Part #
1/2"	full	FBVL50
3/4"	full	FBVL75
1"	full	FBVL100
11/4"	full	FBVL125
1½"	full	FBVL150
2"	full	FBVL200
2½"	full	FBVL250
3"	full	FBVL300
4"	full	FBVI 400



## Global Brass Ball Valves

## Application:

· for water and air only

## Features:

- · pressure ratings:
  - 1/4" 3/8" rated to 365 PSI
  - 1/2" 2" rated to 600 PSI
- forged brass body
- maximum temperature: 248°F (120°C)

Female NPT	Port	Forged Brass Part #
4711		
1/4"	full	FBVG25
3/8"	full	FBVG38
1/2"	full	FBVG50
3/4"	full	FBVG75
1"	full	FBVG100
11/4"	full	FBVG125
1½"	full	FBVG150
2"	full	FBVG200



## 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	<i>Brass</i> Part #
1/2"	full	FBV50SE
3/4"	full	FBV75SE
1"	full	FBV100SE
11/4"	full	FBV125SE
1½"	full	FBV150SE
2"	full	FBV200SE



## Lead Free Brass Ball Valves

- 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 #
1/2"	full	LFV50
3/4"	full	LFV75
1"	full	LFV100
1¼"	full	LFV125
1½"	full	LFV150
2"	full	LFV200

## 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 Part #
1"	3/4"	BBV100DWV
1¼"	3/4"	BBV125DWV



## Non-Vented

Female NPT Inlet (1)	Female NPT Outlets (2)	<i>Bronze</i> Part #
1"	3/4"	BBV100DW
1¼"	3/4"	BBV125DW

## Mini Ball Valves

# 1

- 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 Part #
1/8"	standard	MBV12
1/4"	standard	MBV25
3/8"	standard	MBV38
1/2"	standard	MBV50



## female NPT x female NPT x female NPT





## 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)

Lever Assembly	position 1	position 2

Size	Port	<i>Brass</i> Part #
1/2"	standard	BBV50DTW
3/4"	standard	BBV75DTW
1"	standard	BBV100DTW
11/4"	standard	BBV125DTW
1½"	standard	BBV150DTW
2"	standard	BBV200DTW

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

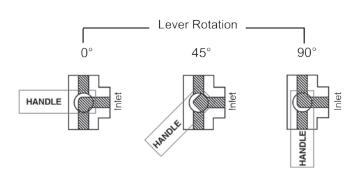
## female NPT x female NPT x female NPT

## 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	<i>Bronze</i> Part #
1/2"	full	BBV50TW <sup>1</sup>
3/4"	standard	BBV75TW
1"	standard	BBV100TW

<sup>1</sup> carbon steel handle and nut with vinyl sleeve



- 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	SSBV50TW
3/4"	standard	SSBV75TW
1"	standard	SSBV100TW

### 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 Part #
1/4"	full	DSBV25
3/8"	full	DSBV38
1/2"	full	DSBV50
3/4"	full	DSBV75
1"	full	DSBV100
11/4"	full	DSBV125
1½"	full	DSBV150
2"	full	DSBV200



### Stainless Steel Ball Valves Full Port

### Applications:

· for use with water, oil and gas

#### Features:

• pressure rating:  $\frac{1}{4}$ " - 2" rated to **1000 PSI** WOG (CWP)  $2\frac{1}{2}$ " - 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 Part #
1/4"	full	SSBV25
3/8"	full	SSBV38
1/2"	full	SSBV50
3/4"	full	SSBV75
1"	full	SSBV100
11/4"	full	SSBV125
1½"	full	SSBV150
2"	full	SSBV200
21/2"	full	SSBV250
3"	full	SSBV300



### Stainless Steel Ball Valves Full Port with Locking Handle

#### Applications:

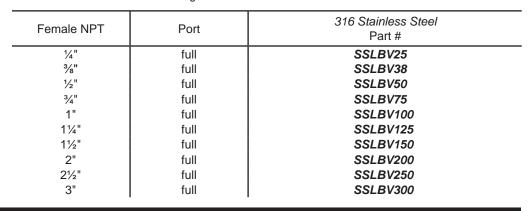
· for use with water, oil and gas

#### 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

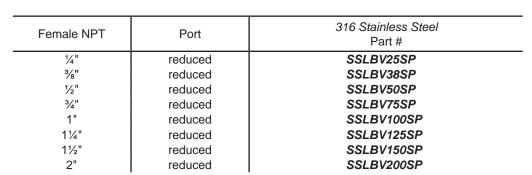


### Stainless Steel Ball Valves Reduced Port with Locking Handle

### **Applications:**

· for use with water, oil and gas

- 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







### 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, 21/2" - 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	1000	2.8"	BV2IGN05011-A
3/4"	full	1000	3.1"	BV2IGN07511-A
1"	full	1000	3.3"	BV2IGN10011-A
1¼"	full	1000	4.1"	BV2IGN12511-A
1½"	full	1000	4.4"	BV2IGN15011-A
2"	full	1000	5.1"	BV2IGN20011-A
21/2"	full	800	6.6"	BV2IGN25011-A
3"	full	800	7.3"	BV2IGN30011-A
4"	full	600	8.9"	BV2IGN40011-A



### 3-Piece Industrial Stainless Steel Ball Valves Socket Weld

Female NPT	Port	PSI @ 65°F	Body Length	CF8M Stainless Steel Part #
1/2"	full	1000	2.8"	BV2IGN05033-A
3/4"	full	1000	3.1"	BV2IGN07533-A
1"	full	1000	3.3"	BV2IGN10033-A
1¼"	full	1000	4.1"	BV2IGN12533-A
1½"	full	1000	4.4"	BV2IGN15033-A
2"	full	1000	5.1"	BV2IGN20033-A
2½"	full	800	6.6"	BV2IGN25033-A
3"	full	800	7.3"	BV2IGN30033-A
4"	full	600	8.9"	BV2IGN40033-A
Ŭ			1	



### "Deadman" Spring Return Handle Stainless Steel Ball Valves

- pressure rating: 2000 PSI WOG 1/2" to 1"; 1500 PSI WOG 11/4" 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	SSBV50SR
3/4"	standard	SSBV75SR
1"	standard	SSBV100SR
11/4"	standard	SSBV125SR
1½"	standard	SSBV150SR
2"	standard	SSBV200SR



### Industrial Wafer Ball 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 Part #
1"	BV2IC-100WW-A
1¼"	BV2IC-125WW-A
1½"	BV2IC-150WW-A
2"	BV2IC-200WW-A
2½"	BV2IC-250WW-A
3"	BV2IC-300WW-A
4"	BV2IC-400WW-A



### 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	<i>Aluminum</i> Part #
2"	1WAYBV200
3"	1WAYBV300
4"	1WAYBV400



### One-Way Full Flow Ball Valve Socket Weld

Size	Bore	<i>Aluminum</i> Part #
2"	2.390"	1WAYBV200SW
3"	3.530"	1WAYBV300SW



### One-Way Full Flow Ball Valve Grooved

Size	<i>Aluminum</i> Part #
2"	1WAYBV200VIC
3"	1WAYBV300VIC

# Valves

### 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<sup>®</sup> 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



Size	Aluminum Part #
2"	2WAYBV200
3"	2WAYBV300
4"	2WAYBV400



### Two-Way Full Flow Ball Valve Socket Weld

Size	Bore	<i>Aluminum</i> Part #
2"	2.390"	2WAYBV200SW
3"	3.530"	2WAYBV300SW



### Two-Way Full Flow Ball Valve Grooved

Size	Aluminum Part #
2"	2WAYBV200VIC3
3"	2WAYBV300VIC3



### 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

Female NPT	PSI	Port	Carbon Steel Part #
1/4"	2000	full	IBV25
3/8"	2000	full	IBV38
1/2"	2000	standard	IBV50
3/4"	2000	standard	IBV75
1"	2000	standard	IBV100
11/4"	1500	standard	IBV125
1½"	1500	standard	IBV150
2"	1500	standard	IBV200



### High Pressure Full-Bore Ball Valves

### Features:

- blow-out proof stem
- rugged construction
- FKM/FPM seals
- POM (Polyacetal) ball seats



Female	PSI	Carbon Steel		PSI	316 Stainless Steel
NPT		Part #	SAE Part #	P 51	Part #
1/4"	7350	HPBV25	HPBV25SAE	5880	HPBV25SS
3/8"	7350	HPBV38	HPBV38SAE	5880	HPBV38SS
1/2"	7350	HPBV12	HPBV12SAE	5880	HPBV12SS
3/4"	6000	HPBV34	HPBV34SAE	5145	HPBV34SS
1"	6000	HPBV10	HPBV10SAE	5145	HPBV10SS
11/4"	6000	HPBV125	HPBV125SAE		
1½"	6000	HPBV150	HPBV150SAE		
2"	6000	HPBV200	HPBV200SAE		

### High Pressure Full-Bore 3-Way Ball Valves

- 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 Part #
1/2"	5145	HPBV12-3WAY
3/4"	5145	HPBV34-3WAY
1"	5145	HPBV10-3WAY

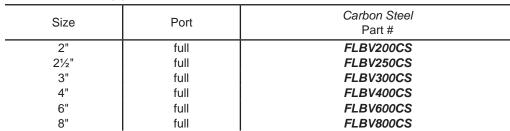
### 150# Flanged Ball Valves

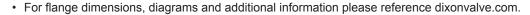
### **Applications:**

· 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) 1/2" NPT
- fire safe (graphite packing and seal)
- adjustable packing gland

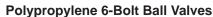




### **Polypropylene Bolted Ball Valves**

- 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

Po	lypropylene 4-Bolt Ball Valves
Port	Polypropylene Part #
full	PVFP50
full	PVFP75
full	PVFP100
full	PVFP150
standard	PV100
standard	PV200
	Port full full full full standard



Female NPT	Port	Polypropylene Part #
2"	full	PVFP200
3"	full	PVFP300



		<del></del>
Female NPT	Port	Polypropylene Part #
4"	full	PVFP400









### Polypropylene Compact Bolted Ball Valves

- 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	47/8"	PVFPS200



### Polypropylene Compact Bolted Ball Valve

Female NPT x Male Adapter	I Port	Body Length	Polypropylene Part #
2"	full	67/8"	PVFPSA200

### 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	SUBVN100



### 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 #
1½"	full	PVFPN150
2"	full	PVFPN200
2"	standard	PVN200



## Polypropylene Single Union Ball Valves

- 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	SUBV50
3/4"	full	SUBV75
1"	full	SUBV100
11/4"	full	SUBV125
1½"	full	SUBV150
2"	full	SUBV200
3"	full	SUBV300

### **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)

	<u> </u>
Female NPT	<i>Bronze</i> Part #
1/2"	DBGV50
3/4"	DBGV75
1"	DBGV100
1¼"	DBGV125
1½"	DBGV150
2"	DBGV200



#### Features:

### Stainless Steel Gate Valves

- 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	<i>Brass</i> Part #	316 Stainless Steel Part #
1/4"	BGV25	
3/8"	BGV38	
1/2"	BGV50	SSGV50
3/4"	BGV75	SSGV75
1"	BGV100	SSGV100
1¼"	BGV125	SSGV125
1½"	BGV150	SSGV150
2"	BGV200	SSGV200
2½"	BGV250	
3"	BGV300	
4"	BGV400	



# Forged Steel Gate Valves

### Application:

can be used for steam service

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: 1975 PSI
- maximum temperature: 800°F (427°C)

Female NPT	Forged Steel Part #
1/2" 3/4"	FSGV50 FSGV75
1"	FSGV100
1¼" 1½"	FSGV125 FSGV150
2"	FSGV200



### 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

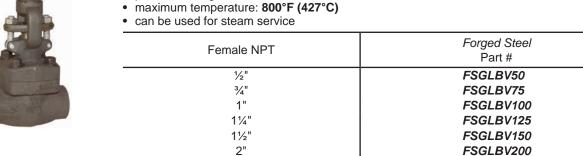
Female NPT	Bronze Part #
1/2"	DGLBV50
3/4"	DGLBV75
1"	DGLBV100
1¼"	DGLBV125
1½"	DGLBV150
2"	DGLBV200



### Forged Steel Globe Valves

### Features:

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: 1975 PSI



### 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 (-17°C to 204°C)



### **Manual**

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
3"	75	WD301ALVB
4"	75	WD401ALVB



### Metering

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
3"	75	WD304ALVB
4"	75	WD404ALVB

· For flange dimensions, diagrams and additional information please reference 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 Part #	Ductile Iron with EPDM Liner Part #
2"	BFVL200	BFVL200E
3"	BFVL300	BFVL300E
4"	BFVL400	BFVL400E
6"	BFVL600	BFVL600E



### 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 Part #	Ductile Iron with EPDM Liner Part #
2"	BBFVW200	BBFVW200E
3" 4"	BBFVW300 BBFVW400	BBFVW300E BBFVW400E
6"	BBFVW600	BBFVW600E



### 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 Part #
2"	BFVW200
3"	BFVW300
4"	BFVW400
6"	BFVW600



### Wafer Style 150 lb. Butterfly Valves with Iron Disc

- 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 Part #	Ductile Iron with EPDM Liner Part #
3"	IBFVW300	IBFVW300E
4"	IBFVW400	IBFVW400E
6"	IBFVW600	IBFVW600E
8"	IBFVW800	IBFVW800E



### Flow Control Valves

### Steel Series F

#### Features:

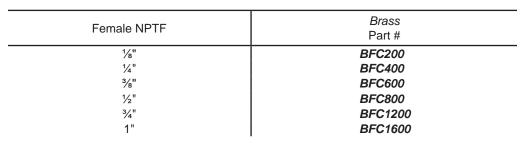
- Two-step needle provides fine adjustments at low flow with the first three turns of the adjusting knob. The next three turns give full-open needle position and conventional throttling control. When flow is reversed, a heavy-duty poppet/retainer permits full-flow return capacity.
- color-coded reference 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	<i>Black Oxide Steel</i> Part #
1/8"	SFC200
1/4"	SFC400
3/8"	SFC600
1/2"	SFC800
3/4"	SFC1200
1"	SFC1600
1½"	SFC2400
2"	SFC3200



#### 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"



### **Series MV Metering**

- 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 Part #
1/4"	SMV400
3/8"	SMV600
1/2"	SMV800







### 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 Part #
1/4"	SPF400
3/8"	SPF600
1/2"	SPF800



#### **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	<i>Brass</i> Part #
1/8"	BPF200
1/4"	BPF400
3/8"	BPF600
1/2"	BPF800



### 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 ½" ¾", 3000 PSI at 70°F (21°C) for 1" 1¼"

Female NPTF	Steel Part #
1/8"	SN200
1/4"	SN400
3/8"	SN600
1/2"	SN800
3/4"	SN1200
1"	SN1600
1¼"	SN2000
	•



### **Brass Series N**

- 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 ½" ¾", 500 PSI at ambient temperature 70°F (21°C) for 1"

Female NPTF	<i>Brass</i> Part #
1/8"	BN200
1/4"	BN400
3/8"	BN600
1/2"	BN800
3/4"	BN1200
1"	BN1600



### 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 x 10-4 ml/s at 200 PSI
- ½" and ½" are orifice size: 0.172", flow coefficient: 0.42
- ½": 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	<i>Brass</i> Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" - 27	knurled knob	6000	MFB101	T design	10000	MFC101	MFS101
1/4" - 18	knurled knob	6000	MFB102	T design	10000	MFC102	MFS102
1/2" - 14				T design	10000	MFC404	MFS404

### **Female to Female**



NPT Size	Handle Style	PSI at 200°F	<i>Brass</i> Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" - 27	knurled knob	6000	FFB101	T design	10000	FFC101	FFS101
1/4" - 18	knurled knob	6000	FFB102	T design	10000	FFC102	FFS102
1/2" - 14				T design	10000	FFC404	FFS404

### 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 x 10-4 ml/s at 200 PSI
- ½" female NPT port
- orifice size is 0.187", flow coefficient: 0.44
- all stems are 316 stainless steel

### **Hard Seat Male to Female**



NPT	Handle	PSI	Zinc Nickel Plated Steel	316 Stainless Steel
Size	Style	at 200°F	Part #	Part #
½" - 14	T design	10000	MFC204	MFS204
¾" - 14	T design	10000	MFC20604	MFS20604

### **Soft Seat Male to Female**



NPT	Handle	PSI	Zinc Nickel Plated Steel	316 Stainless Steel
Size	Style	at 200°F	Part #	Part #
½" - 14	T design	6000	MFC304	MFS304
¾" - 14	T design	6000	MFC30604	MFS30604

### 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
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to 1 x 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	Handle	PSI	Zinc Nickel Plated Steel	316 Stainless Steel
Size	Style	at 200°F	Part #	Part #
1/4" - 18	T design	10000	MFC602	MFS602
1/2" - 14	T design	10000	MFC604	MFS604



### **Soft Seat Male to Female**

NPT	Handle	PSI	Zinc Nickel Plated Steel	316 Stainless Steel
Size	Style	at 200°F	Part #	Part #
½" - 18	T design	6000	MFC702	MFS702
½" - 14	T design	6000	MFC704	MFS704



### **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
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to 1 x 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	Handle	PSI	Zinc Nickel Plated Steel	316 Stainless Steel
Size	Style	at 200°F	Part #	Part #
½" - 18	T design	10000	MC802	MS802
½" - 14	T design	10000	MC804	MS804



### **Soft Tip Male**

NPT	Handle	PSI	Zinc Nickel Plated Steel	316 Stainless Steel
Size	Style	at 200°F	Part #	Part #
½" - 18	T design	6000	MC852	MS852
½" - 14	T design	6000	MC854	MS854



316 stainless

**Button** 

**Tank Filler** 

TFV1L



Thread	<i>Brass</i> Part #
1/4" NPT female	BV2F
1/4" NPT male	BV2M







### Applications:

used on compressed air tanks and other applications

· standard valve stem thread

Connection	Length	<i>Nickel Plated</i> Part #	Length	<i>Bra</i> ss Part #
1/8" NPT	.85" 1.24"	TFV1S TFV1L		
1/4" NPT	1"	TFV2		
1/4" barb			1.57"	TFV2HB

### **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	<i>Brass</i> Part #
1/4"	1/4"	LDC2



Male NPT	Male NPT	<i>Brass</i> Part #
1/4"	1/4"	LDCM2



Female NPT	Female NPT	<i>Brass</i> Part #
1/4"	1/4"	LDCF2

### Brass External Drain Cocks

### Applications:

• designed for low pressure water and air applications

• maximum operating pressure: 150 PSI at ambient temperature 70°F (21°C)

NPT Size	<i>Brass</i> Part #
1/8"	D02
1/4"	D04



### 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	<i>Brass</i> Part #
1/8"	1/8"	NV2F
1/4"	1/4"	NV4F



### male x male

Male NPT	Male NPT	<i>Bra</i> ss Part #
1/4"	1/4"	NV4M



### **Safety** Check Valves

### 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:

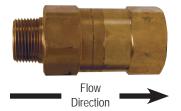
- high flow valve provides optimum performance
- controls excess air flow (SCFM) in only one direction
- automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- solid brass body and valve
- · stainless steel spring and roll pin
- · maximum operating pressure: 350 PSI
- maximum temperature: 250°F (121°C)
- · does not prevent backflow

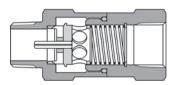
#### Specification:

• conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines

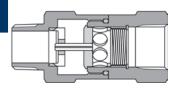
#### **How It Works:**

- 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.





Open Position



**Closed Position** 

NPT & Hose ID Size	Cut-off Flow Rate (SCFM at 90 PSI)	<i>Brass</i> Part #	NPT & Hose ID Size	Cut-off Flow Rate (SCFM at 90 PSI)	<i>Brass</i> Part #
1/4"	23-29	SCVL2		260-290	SCVL10
	30-36	SCVL3	1¼"	300-340	SCVM10
3/8"	39-47	SCVM3	1 74	440-500	SCVS10
	52-65	SCVS3		570-630	SCVH10
1/2"	70-78	SCVM4		300-360	SCVL12
/2	80-96	SCVS4	1½"	470-530	SCVM12
	72-88	SCVL6		564-602	SCVX12
3/4"	92-108	SCVM6		640-720	SCVS12
	112-128	SCVR6		750-830	SCVH12
	132-148	SCVJ6		510-590	SCVL16
	160-180	SCVS6	2"	725-825	SCVM16
	180-200	SCVH6		900-1050	SCVS16
·	165-195	SCVL8		1100-1200	SCVH16
1"	220-260	SCVM8		1200-1400	SCVL24
1"	280-320	SCVS8	3"	2400-2700	SCVS24
	310-340	SCVH8		2850-3050	SCVH24

### 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	<i>Brass</i> Part #
1/4"	100	51	KSV10-100
	125	62	KSV10-125
	150	73	KSV10-150
	175	84	KSV10-175



### **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	<i>Brass</i> Part #	SCFM	Stainless Steel Part #
	30	35	SV30	35	SV30SS
	100	89	SV100	92	SV100SS
1/"	125	109	SV125	112	SV125SS
1/4"	150	129	SV150	132	SV150SS
	175	149	SV175	153	SV175SS
	200	168	SV200	173	SV200SS



### **Heavy Duty, High Capacity**

### Feature:

• all brass construction with stainless steel ball on a precision machined brass seat

Male NPT	Preset Pressure PSI	SCFM	<i>Brass</i> Part #
	30	73	SV30HD <sup>1</sup>
	100	208	SV100HD
17 !!	125	254	SV125HD
1/2"	150	300	SV150HD
	175	346	SV175HD
	200	391	SV200HD



<sup>1</sup> constructed with soft seat

# Series C Check Valves

brass



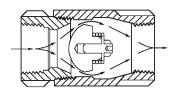
steel

#### 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)	<i>Brass</i> Part #	Maximum Operating PSI at 70°F (21°C)	Steel Part #
1/8"	3	2000	BCV200	5000	SCV200
1/4"	5	2000	BCV400	5000	SCV400
3/8"	8	2000	BCV600	5000	SCV600
1/2"	15	2000	BCV800	5000	SCV800

### 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
- 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



Cina	Brass	316 Stainless Steel
Size	Part #	Part #
1/4"	61-101	62-101
3/8"	61-102	62-102
1/2"	61-103	62-103
3/4"	61-104	62-104
1"	61-105	62-105
11/4"	61-106	62-106
1½"	61-107	62-107
2"	61-108	62-108
2½"	61-109	
3"	61-100	

#### Ball Cone Check Valve Male NPT x Female NPT



Size	<i>Brass</i> Part #	
1/4"	61-201	
3/8"	61-202	
1/2"	61-203	
3/4"	61-204	
1"	61-205	
1¼"	61-206	
1½"	61-207	
2"	61-208	

### 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 Part #
1/4"	SSCVIL025
3/8"	SSCVIL038
1/2"	SSCVIL050
3/4"	SSCVIL075
1"	SSCVIL100
11/4"	SSCVIL125
1½"	SSCVIL150
2"	SSCVIL200



### Forged Steel Check Valves

#### Features:s

- 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"	FSCV50
3/4"	FSCV75
1"	FSCV100
11/4"	FSCV125
1½"	FSCV150
2"	FSCV200



## 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: ½" 2" 400 PSI WOG; 3" 4" 175 PSI WOG
- temperature range: 10°F to 210°F (-10°C to 100°C)

 Female NPT	Brass
remale NFT	Part #
 1/2"	CV050
3/4"	CV075
1"	CV100
1¼"	CV125
1½"	CV150
2"	CV200
3"	CV300
4"	CV400



Valves

## 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	<i>Brass</i> Part #
1½"	BVFS20
2"	BVFS25
3"	BVFS35
4"	BVFS40

### 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	<i>Brass</i> Part #
1/2"	SWCV50
3/4"	SWCV75
1"	SWCV100
1¼"	SWCV125
1½"	SWCV150
2"	SWCV200
3"	SWCV300
4"	SWCV400



## Domestic Swing Check Valves

- 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	<i>Brass</i> Part #
1/2"	DSCV50
3/4"	DSCV75
1"	DSCV100
11/4"	DSCV125
1½"	DSCV150
2"	DSCV200

### **Drum Plug Wrenches**

#### Features:

- · sparkproof, natural finish is safe around flammables
- · offset handle design reduces user stress and minimizes knuckle injury

<i>Bronze</i>	<i>Aluminum</i>
Part #	Part #
DPW	ADPW



**ADPW** 

### **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 3/4" does not require a gasket

NPT Thread	Gold Polyethylene Part #
<sup>3</sup> / <sub>4</sub> "	PEDF75
2"	PEDF200



### **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 Part #



### HDSSF75

### **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 Part #



### **Brass Heavy Duty Drum Faucet with Rigid Shanks**

### Features:

- 3/4" NPT connection
- · easy to use, self-closing design
- PTFE gasket
- · FM approved for use with oils and non-corrosive flammables

Brass Part # **HDBF75** 



### Compression Bibb Faucets

### Application:

· for water use only

- · rough brass finish
- · nozzle end is GHT

Male NPT Inlet	<i>Bra</i> ss Part #
1/2"	35-201-10
3/4"	35-202-10



### **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 Part #
2" x 2"	DMH20DR20

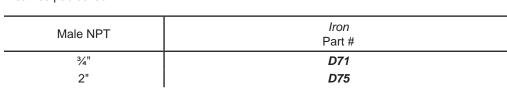
### **Drum Gate Valves**

### Application:

• ideal for drawing non-flammable liquids from drums and tanks



- 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





#### 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 Part #
2"	D75AL

### Self-Closing Gate Valves

#### Application:

 ideal for dispensing viscous liquids such as oil, grease, paint, varnish and syrups from drums and tanks



- 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	<i>Iron</i> Part #
3/4"	D71SC
2"	D75SC

Sanitary Tube Fittings	564 to 630	Sanitary Tube Fittings (cont.)	564 to 630
Clamps	564 to 566	End caps	611
Clamp accessories	566	Adapters	611
Clamp fittings	567 to 576	Tees	612
Ferrules	567 to 568	Reducers	613
Caps	569	Type A stub ends	613
Adapters	569 to 572	Miscellaneous configurations	614
Elbows	572 to 574	Flanges	615
Tees	574	Spray balls	616
Reducers	575	Sight glasses	617 to 618
Crosses	575	Swivels	619
Miscellaneous configurations	576	Pressure gauges	620
Covers	576	Strainers	621 to 622
Quick weld ferrules	577	Tube hangers	623 to 624
Breakaway couplings	577	Wall flanges	624
Gaskets	578 to 583	High purity Biopharm fittings	625 to 630
Cam and groove transition	584	Elbows	625 to 626
Dixon® weld to tube cam and groove	584	Tees	626 to 627
European fittings	585 to 588	Reducers	628 to 629
Bevel seat	589 to 593	Ferrules	630
Nuts	589	Caps	630
Hex wrenches	589		
Ferrules	590 to 591	Sanitary Valves	631 to 652
End caps	591	2-way, 3 piece ball valves	631 to 632
Adapters	591	Butterfly valves	633 to 636
Elbows	592	Clamp end	633 to 635
Reducers	592	B5115 series	636
Breakaway couplings	592	Spring check valves	637
Gaskets	593	Y ball check valves	638
I-line / Q-line	594 to 598	Air blow check valves	639
Clamps	594	Tank vent valve	640 to 642
Ferrules	595 to 596	3A sample valves	642
End caps	596		
Gaskets	597 to 598	Actuation: Electric	643 to 645
Pipe size	599 to 603	2-piece stainless steel ball valves	643
Clamps	599	3-piece stainless steel ball valves	643
Ferrules	599 to 600	Brass ball valves	644
End caps	600	3-way stainless steel ball valves T / L port	645
Adapters	601	3-way brass ball valves T / L port	645
Hangers	602		
Gaskets	603	Actuation: Pneumatic	646 to 652
Polished weld	604 to 609	2-piece stainless steel ball valves	646
Elbows	604 to 606	3-piece stainless ball valves	646
Sweep elbows	606	Brass ball valves	647
Tees	607	3-way brass ball valves T / L port	648 to 649
Adapters	608	Wafer butterfly valves	650
Reducers	608	Lug butterfly valves	650
Crosses	609	Flow paths	651
Miscellaneous configurations	609	Accessories	652
Protection covers	610	Limit switches	652
Unpolished weld		Solenoids	652
Elbows	610 to 611	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 PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	Stainless Steel Part #
1/2" - 3/4"	1500	1200	1.062"	13MHHM-Q75
1" - 1½"	500	300	2.122"	13MHHM-Q100150
2"	450	250	2.654"	13MHHM-Q200
2½"	400	200	3.185"	13MHHM-Q250
3"	350	175	3.717"	13MHHM-Q300
4"	300	150	4.820"	13MHHM-Q400

# Single Pin Heavy Duty - 13MHHM with cross hole wing nut



	o. o. o. o . o . o . o . o . o .					
Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	Stainless Steel Part #		
1/2" - 3/4"	1500	1200	1.062"	13MHHM50-75		
1" - 1½"	500	300	2.122"	13MHHM100-150		
2"	450	250	2.654"	13MHHM200		
21/2"	400	200	3.185"	13MHHM250		
3"	350	175	3.717"	13MHHM300		
4"	300	150	4.820"	13MHHM400		
5"	225	100	5.820"	13MHHM500		
6"	150	75	6.695"	13MHHM600		
8"	100	50	8.695"	13MHHM800		

# Single Pin Heavy Duty - 13MHHM\*\*\*SN with serrated wing nut



		•		
Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	Stainless Steel Part #
1/2" - 3/4"	1500	1200	1.062"	13MHHM50-75SN
1" - 1½"	500	300	2.122"	13MHHM100-150SN
2"	450	250	2.654"	13MHHM200SN
21/2"	400	200	3.185"	13MHHM250SN
3"	350	175	3.717"	13MHHM300SN
4"	300	150	4.820"	13MHHM400SN
5"	225	100	5.820"	13MHHM500SN
6"	150	75	6.695"	13MHHM600SN
8"	100	50	8.695"	13MHHM800SN

### **Double Pin Heavy Duty -** 13MHHM-DP



Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	Stainless Steel Part #
 1" - 1½"	500	300	2.122"	13MHHM-DP100150
2"	450	250	2.654"	13MHHM-DP200
21/2"	400	200	3.185"	13MHHM-DP250
3"	350	175	3.717"	13MHHM-DP300
4"	300	150	4.820"	13MHHM-DP400
10"	100	50	10.740"	13MHHM-DP1000

<sup>1</sup> wing nut tightened to 25 in. lb. of torque

### Clamps

### Three Segment - 13MHHM-3P

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	Stainless Steel Part #
1" - 1½"	600	300	2.122"	13MHHM-3P100150
2"	550	275	2.654"	13MHHM-3P200
21/2"	450	225	3.185"	13MHHM-3P250
3"	350	175	3.717"	13MHHM-3P300
4"	300	150	4.820"	13MHHM-3P400
12"	75	50	12.740"	13MHHM-3P1200

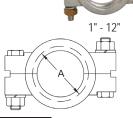




## <sup>1</sup> wing nut tightened to 25 in. lb. of torque

### Bolted - 13MHP

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	Stainless Steel Part #
1/2" - 3/4"	1500	1200	1.062"	13MHP75
1" - 1½"	1500	1200	2.046"	13MHP100-150
2"	1000	800	2.578"	13MHP200
21/2"	1000	800	3.110"	13MHP250
3"	1000	800	3.640"	13MHP300
4"	800	600	4.744"	13MHP400
6"	300	200	6.632"	13MHP600
8"	250	150	8.638"	13MHP800
10"	200	125	10.740"	13MHP1000
12"	150	100	12.740"	13MHP1200



### Toggle - 13MHLA

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	304 Stainless Steel Part #
1" - 1½"	150	125	2.122"	13MHLA100-150
2"	150	125	2.654"	13MHLA200
21/2"	150	125	3.185"	13MHLA250
3"	150	125	3.717"	13MHLA300
4"	100	75	4.820"	13MHLA400

<sup>&</sup>lt;sup>1</sup> screw tightened to maximum



### **T-bolt - 13MO**

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	304 Stainless Steel Part #
1" - 1½"	500	250	2.080"	13MO100-150
2"	350	200	2.610"	13MO200
2½"	300	150	3.140"	13MO250
3"	200	100	3.670"	13MO300
4"	100	75	4.780"	13MO400
6"	75	50	6.690"	13MO600
8" 2	50	40	8.690"	13MO800
10" 2	40	30	10.690"	13MO1000
12" 2	30	25	12.690"	13MO1200

<sup>1 &</sup>quot; - 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
2 2 bolt configuration





<sup>&</sup>lt;sup>1</sup> all nuts are tightened to 20 ft. lbs. of torque



### Dairy - 13WGC





Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	304 Stainless Steel Part #
1" - 1½"	100	75	2.08"	13WGC100-150
2"	100	75	2.61"	13WGC200
21/2"	100	75	3.14"	13WGC250
3"	100	75	3.67"	13WGC300
4"	100	75	4.78"	13WGC400

<sup>&</sup>lt;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	Dimension	304 Stainless Steel
	A	B	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 1/2" - 3/4" clamps	13WNXM
serrated wing nut 5/16"-18	13WNS
hex wing nut 5/16"-18	13WNH
bronze hex nut %"-16 for bolted clamps	13BN
brass 3/8-16 nuts used on 1/2" - 3/4" and 10" & 12" bolted clamps	13BNH
stainless steel hex nut for bolted clamps	13SN
3/8" 304 stainless steel lock washer	13LW
bolt 3/8"-16 x 21/4" for 1/2 - 11/2" bolted clamps	13CB-2.25
bolt 3/8"-16 x 23/4" for 2" and 21/2" bolted clamps	13CB-2.75
bolt 3/8"-16 x 31/4" for 3" - 12" bolted clamps	13CB-3.25
rivet pin for 1/2" - 5" single pin clamps 5/16" x 1"	13RP
rivet pin for 6" and 8" single pin clamps 5/16" x 11/6"	13RP6
5/16"-18 x 2" threaded eye bolt for ½" - 5" clamps	13IB
5/16"-18 x 21/2" threaded eye bolt for 6" - 12" clamps	13IB6

### Clamp Fittings - Ferrules

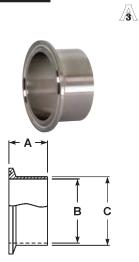
### Short Weld - 14WMP

Tube OD	А	imension B	is C	304 Stainless Steel Part #	316L Stainless Steel Part #
	- ' '	_			
1/2"	.500"	.370"	.500"	14WMP-G50	14WMP-R50
3/4"	.500"	.620"	.750"	14WMP-G75	14WMP-R75
1"	.500"	.870"	1.000"	14WMP-G100	14WMP-R100
11/2"	.500"	1.370"	1.500"	14WMP-G150	14WMP-R150
2"	.500"	1.870"	2.000"	14WMP-G200	14WMP-R200
21/2"	.500"	2.370"	2.500"	14WMP-G250	14WMP-R250
3"	.500"	2.870"	3.000"	14WMP-G300	14WMP-R300
4"	.625"	3.834"	4.000"	14WMP-G400	14WMP-R400
5"	.750"	4.782"	5.000"	14WMP-G500	14WMP-R500
6"	.875"	5.782"	6.000"	14WMP-G600	14WMP-R600
8"	.875"	7.782"	8.000"	14WMP-G800	14WMP-R800
10"	.875"	9.760"	10.000"	14WMP-G1000	14WMP-R1000
12"	.875"	11.760"	12.000"	14WMP-G1200	14WMP-R1200



Long	Weld -	L14AM7
------	--------	--------

Tube	Dimensions 304 Stainless Steel		316L Stainless Steel		
OD	Α	В	С	Part #	Part #
1/2"	1.125"	.370"	.500"	L14AM7-G50	L14AM7-R50
3/4"	1.125"	.620"	.750"	L14AM7-G75	L14AM7-R75
1"	1.125"	.870"	1.000"	L14AM7-G100	L14AM7-R100
1½"	1.125"	1.370"	1.500"	L14AM7-G150	L14AM7-R150
2"	1.125"	1.870"	2.000"	L14AM7-G200	L14AM7-R200
21/2"	1.125"	2.370"	2.500"	L14AM7-G250	L14AM7-R250
3"	1.125"	2.870"	3.000"	L14AM7-G300	L14AM7-R300
4"	1.125"	3.834"	4.000"	L14AM7-G400	L14AM7-R400
5"	1.125"	4.782"	5.000"	L14AM7-G500	L14AM7-R500 NEW
6"	1.500"	5.782"	6.000"	L14AM7-G600	L14AM7-R600
8"	1.500"	7.782"	8.000"	L14AM7-G800	L14AM7-R800
10"	1.750"	9.760"	10.000"	L14AM7-G1000	L14AM7-R1000
12"	1.750"	11.760"	12.000"	L14AM7-G1200	L14AM7-R1200



Specification:meets ASME BPE-2012 specifications

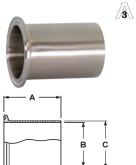
	- Theets Advice by E-2012 specifications								
Tube		D	imension	S	316L Stainless Steel				
OD	Α	В	С	Part #					
	1/2"	1.750"	.370"	.500"	TL14AM7-050PL				
	3/4"	1.750"	.620"	.750"	TL14AM7-075PL				
	1"	1.750"	.870"	1.000"	TL14AM7-100PL				
	1½"	1.750"	1.370"	1.500"	TL14AM7-150PL				
	2"	2.250"	1.870"	2.000"	TL14AM7-200PL				
	3"	2.250"	2.870"	3.000"	TL14AM7-300PL				
	4"	2.250"	3.834"	4.000"	TL14AM7-400PL				



### Tank (light duty) - 14WLMP

Automatic Weld - TL14AM7

				` ` `	
Tube OD	Dimensions A B C			304 Stainless Steel Part #	316L Stainless Steel Part #
1"	3.000"	.870"	1.000"	14WLMP-G100	14WLMP-R100
1½"	3.000"	1.370"	1.500"	14WLMP-G150	14WLMP-R150
2"	3.000"	1.870"	2.000"	14WLMP-G200	14WLMP-R200
21/2"	3.000"	2.370"	2.500"	14WLMP-G250	14WLMP-R250
3"	4.000"	2.870"	3.000"	14WLMP-G300	14WLMP-R300
4"	4.000"	3.834"	4.000"	14WLMP-G400	14WLMP-R400
6"	6.000"	5.782"	6.000"	14WLMP-G600	14WLMP-R600







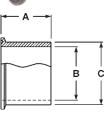
### Clamp Fittings - Ferrules

Tank (heavy duty) - 14MPW









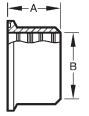
Specification:certified ASME materials

Tube OD		D	imension	IS	316L Stainless Steel	
		Α	В	С	Part #	
1/2"		1.625"	.321"	.502"	14MPW-R50	
3/4"		1.625"	.574"	.750"	14MPW-R75	
1"		1.625"	.870"	1.160"	14MPW-R100	
1½'	"	1.625"	1.370"	1.676"	14MPW-R150	
2"		1.750"	1.870"	2.192"	14MPW-R200	
2½'	"	1.750"	2.370"	2.708"	14MPW-R250	
3"		1.813"	2.870"	3.224"	14MPW-R300	
4"		2.125"	3.834"	4.256"	14MPW-R400	
6"		2.500"	5.758"	6.192"	14MPW-R600	









### **Roll-on for Expanding -** *14RMP*

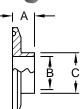
Tube		Dimer	nsions	304 Stainless Steel	316L Stainless Steel
	OD	А	В	Part #	Part #
_	1"	.750"	1.005"	14RMP-G100	14RMP-R100
	1½"	1.125"	1.505"	14RMP-G150	14RMP-R150
	2"	1.312"	2.005"	14RMP-G200	14RMP-R200
	21/2"	1.375"	2.505"	14RMP-G250	14RMP-R250
	3"	1.437"	3.005"	14RMP-G300	14RMP-R300
	4"	1.500"	4.005"	14RMP-G400	14RMP-R400

<sup>&</sup>lt;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	A D	imensior B	ns C	304 Stainless Steel Part #	316L Stainless Steel Part #			
2" x 1"	.500"	.870"	1.000"	B31WMP-G200100	B31WMP-R200100			
2½" x 1½"	.500"	1.370"	1.500"	B31WMP-G250150	B31WMP-R250150			
2½" x 2"	.500"	1.870"	2.000"	B31WMP-G250200	B31WMP-R250200			
3" x 2"	.500"	1.870"	2.000"	B31WMP-G300200	B31WMP-R300200			
4" x 3"	.625"	2.870"	3.000"	B31WMP-G400300	B31WMP-R400300			

# <u>3</u>\

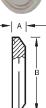
### Clamp Fittings - Caps

### Solid End - 16AMP

• Specify if you are using a piping system or a tubing system when ordering.

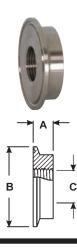
Tube	Dimer	nsions	304 Stainless Steel	316L Stainless Steel
OD	А	В	Part #	Part #
1/2" - 3/4"	.187"	.992"	16AMP-G50-75	16AMP-R50-75
1" - 1½"	.250"	1.984"	16AMP-G100-150	16AMP-R100-150
2"	.250"	2.516"	16AMP-G200	16AMP-R200
2½"	.250"	3.047"	16AMP-G250	16AMP-R250
3"	.250"	3.579"	16AMP-G300	16AMP-R300
4"	.312"	4.682"	16AMP-G400	16AMP-R400
5"	.376"	5.687"	16AMP-G500	16AMP-R500
6"	.437"	6.570"	16AMP-G600	16AMP-R600
8"	.437"	8.570"	16AMP-G800	16AMP-R800
10"	.437"	10.570"	16AMP-G1000	16AMP-R1000
12"	.437"	12.750"	16AMP-G1200	16AMP-R1200





Thermometer - B23BMP

Tube	D	imension	sions 304 Stainless Steel 316		316L Stainless Steel
OD	Α	В	C 1	Part #	Part #
1/2"	.500"	.992"	1/4" NPT		B23BMP-R5014
3/4"	.500"	.992"	14" NPT		B23BMP-R7514
1"	.625"	1.984"	1/2" NPT	B23BMP-G100	B23BMP-R100
1½"	.625"	1.984"	34" NPT	B23BMP-G150	B23BMP-R150
2"	.625"	2.516"	34" NPT	B23BMP-G200	B23BMP-R200
21/2"	.625"	3.047"	34" NPT	B23BMP-G250	B23BMP-R250
3"	.625"	3.579"	34" NPT	B23BMP-G300	B23BMP-R300
4"	.625"	4.682"	34" NPT	B23BMP-G400	B23BMP-R400

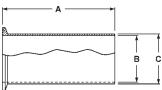


## Clamp Fittings - Adapters

Tygon® Hose - 14MPHT

Tube	D	imension	ıs	316L Stainless Steel
OD	Α	В	С	Part #
3/4"	4.000"	.620"	.750"	14MPHT-R75
1"	4.500"	.870"	1.000"	14MPHT-R100
1½"	4.500"	1.370"	1.500"	14MPHT-R150
2"	4.500"	1.870"	2.000"	14MPHT-R200
21/2"	4.500"	2.370"	2.500"	14MPHT-R250
3"	4.500"	2.870"	3.000"	14MPHT-R300
4"	4.625"	3.834"	4.000"	14MPHT-R400





Sanitar Fittings

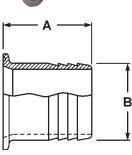
<sup>&</sup>lt;sup>1</sup> other NPT tap sizes available, contact Dixon®

### Clamp Fittings - Adapters

### Rubber Hose - 14MPHR

Sanitary Fittings

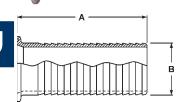




Tube	Hose	Dimer	nsions	304 Stainless Steel	316L Stainless Steel
OD	Size	Α	В	Part #	Part #
	1/4"	1.500"	.290"		14MPHR-R5025
1/2"	1/2"	1.500"	.540"		14MPHR-R50
	3/4"	1.500"	.790"		14MPHR-R5075
	1/4"	1.500"	.290"		14MPHR-R7525
3/4"	3/8"	1.500"	.415"		14MPHR-R75375
/4	1/2"	1.500"	.540"		14MPHR-R7550
	3/4"	1.500"	.790"		14MPHR-R75
	3/8"	1.500"	.415"		14MPHR-R100375
1"	1/2"	1.500"	.540"		14MPHR-R10050
1	3/4"	1.688"	.790"	14MPHR-G10075	14MPHR-R10075
	1"	1.688"	1.040"	14MPHR-G100	14MPHR-R100
	1/2"	1.500"	.540"	14MPHR-G15050	14MPHR-R15050
	5/8"	1.500"	.665"		14MPHR-R150625
1½"	3/4"	1.500"	.790"	14MPHR-G15075	14MPHR-R15075
	1"	1.687"	1.040"	14MPHR-G150100	14MPHR-R150100
	1½"	1.687"	1.540"	14MPHR-G150	14MPHR-R150
2"	1½"	2.312"	1.540"	14MPHR-G200150	14MPHR-R200150
	2"	2.312"	2.040"	14MPHR-G200	14MPHR-R200
2½"	2½"	2.344"	2.540"	14MPHR-G250	14MPHR-R250
3"	3"	3.094"	3.040"	14MPHR-G300	14MPHR-R300
4"	4"	3.406"	4.040"	14MPHR-G400	14MPHR-R400
6"	6"	3.406"	6.040"	14MPHR-G600	14MPHR-R600

### **Brewery Hose Barb -** 14MPHRL





### Feature:

• suitable for use with band clamps

Tube			304 Stainless Steel
OD	А	В	Part #
1"	3.500"	1.045"	14MPHRL100
1½"	5.000"	1.545"	14MPHRL150
2"	5.000"	2.045"	14MPHRL200
21/2"	5.500"	2.545"	14MPHRL250
3"	5.500"	3.045"	14MPHRL300
4"	5.500"	4.045"	14MPHRL400

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.

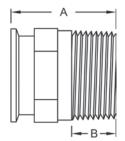
# Sanitary Fittings

# Clamp Fittings - Adapters

## Male NPT - 21MP

Tube	NPT	Dimer	nsions	304 Stainless Steel	316L Stainless Steel
OD	Size	A	В	Part #	Part #
1/2"	1/4"	2.000"	.595"		21MP-R5025
	3/8"	2.000"	.600"		21MP-R50375
	1/2"	1.625"	.782"		21MP-R50
	3/4"	2.000"	.794"		21MP-R5075
	1/4"	2.000"	.595"		21MP-R7525
3/11	3/8"	2.000"	.600"		21MP-R75375
3/4"	1/2"	2.000"	.782"		21MP-R7550
	3/4"	1.787"	.794"		21MP-R75
	1/2"	2.187"	.782"	21MP-G10050	21MP-R10050
	3/4"	2.187"	.794"	21MP-G10075	21MP-R10075
1"	1"	2.250"	.985"	21MP-G100	21MP-R100
ı	11/4"	2.438"	1.009"	21MP-G100125	21MP-R100125
	1½"	2.438"	1.025"	21MP-G100150	21MP-R100150
	2"	2.625"	1.058"	21MP-G100200	21MP-R100200
	3/8"	2.161"	.600"	21MP-G150375	21MP-R150375
	1/2"	2.187"	.782"	21MP-G15050	21MP-R15050
	3/4"	2.187"	.794"	21MP-G15075	21MP-R15075
1½"	1"	2.437"	.985"	21MP-G150100	21MP-R150100
	11/4"	2.438"	1.009"	21MP-G150125	21MP-R150125
	1½"	2.250"	1.025"	21MP-G150	21MP-R150
	2"	2.625"	1.058"	21MP-G150200	21MP-R150200
	1/2"	2.188"	.782"	21MP-G20050	21MP-R20050
	3/4"	2.188"	.794"	21MP-G20075	21MP-R20075
2"	1"	2.469"	.985"	21MP-G200100	21MP-R200100
	1½"	2.625"	1.009"	21MP-G200150	21MP-R200150
	2"	2.638"	1.058"	21MP-G200	21MP-R200
	1/2"	2.781"	.782"	21MP-G25050	
	1"	2.781"	.782"	21MP-G250100	21MP-R250100
2½"	1½"	2.781"	1.025"	21MP-G250150	21MP-R250150
	2"	2.781"	1.058"	21MP-G250200	21MP-R250200
	2½"	2.875"	1.571"	21MP-G250	21MP-R250
	1½"	3.000"	1.009"	21MP-G300150	21MP-R300150
3"	2"	3.000"	1.058"	21MP-G300200	21MP-R300200
-	3"	3.070"	1.634"	21MP-G300	21MP-R300
4"	4"	3.155"	1.734"	21MP-G400	21MP-R400



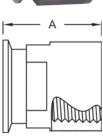


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## Clamp Fittings - Adapters

### Female NPT - 22MP





Tube	NPT	Dimension	304 Stainless Steel	316L Stainless Steel
OD	Size	A	Part #	Part #
1/2"	1/4"	1.500"		22MP-R5025
	3/8"	1.500"		22MP-R50375
	1/2"	1.500"		22MP-R50
	3/4"	1.625"		22MP-R5075
	1/4"	1.500"		22MP-R7525
3/4"	1/2"	1.500"		22MP-R7550
	3/4"	1.625"		22MP-R75
	1/4"	1.625"		22MP-R10025
	1/2"	1.625"	22MP-G10050	22MP-R10050
1"	3/4"	1.625"	22MP-G10075	22MP-R10075
	1"	1.625"	22MP-G100	22MP-R100
	11/4"	1.625"		22MP-R100125
	1/2"	1.625"	22MP-G15050	22MP-R15050
	3/4"	1.625"	22MP-G15075	22MP-R15075
1½"	1"	1.625"	22MP-G150100	22MP-R150100
	1½"	2.250"	22MP-G150	22MP-R150
	2"	2.250"	22MP-G150200	22MP-R150200
	1"	1.687"	22MP-G200100	22MP-R200100
2"	1½"	1.656"	22MP-G200150	22MP-R200150
2	2"	2.344"	22MP-G200	22MP-R200
	21/2"	2.406"	22MP-G200250	
01/"	2"	1.720"	22MP-G250200	22MP-R250200
2½"	21/2"	2.097"	22MP-G250	22MP-R250
3"	2"	2.187"	22MP-G300200	22MP-R300200
	21/2"	2.187"	22MP-G300250	
	3"	2.187"	22MP-G300	22MP-R300
4"	4"	3.000"	22MP-G400	22MP-R400

Visit dixonvalve.com for pipe thread data



# Clamp Fittings - Elbows

**90° -** B2CMP

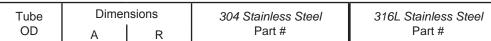


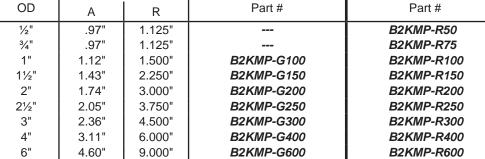
Tube	Dimer	nsions	304 Stainless Steel	316L Stainless Steel
OD	А	R	Part #	Part #
1/2"	1.625"	1.125"		B2CMP-R50
3/4"	1.625"	1.125"		B2CMP-R75
1"	2.000"	1.500"	B2CMP-G100	B2CMP-R100
1½"	2.750"	2.250"	B2CMP-G150	B2CMP-R150
2"	3.500"	3.000"	B2CMP-G200	B2CMP-R200
2½"	4.250"	3.750"	B2CMP-G250	B2CMP-R250
3"	5.000"	4.500"	B2CMP-G300	B2CMP-R300
4"	6.625"	6.000"	B2CMP-G400	B2CMP-R400
6"	9.875"	9.000"	B2CMP-G600	B2CMP-R600

# 

### Clamp Fittings - Elbows

**45° -** B2KMP









Tube	Dimer	nsions	304 Stainless Steel
OD	Α	В	Part #
2"	3.750"	3.500"	B2FMP-14-G200
21/2"	4.625"	4.250"	B2FMP-14-G250
3"	5.406"	5.000"	B2FMP-14-G300



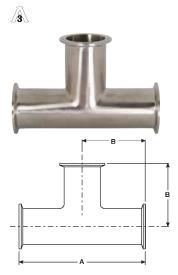
# Clamp Fittings - Tees

# Short Outlet - B7MPS



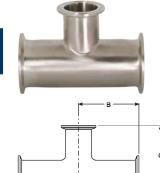
Tube OD	А	В	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1½"	5.500"	1.375"	B7MPS-G150	B7MPS-R150
2"	7.000"	1.625"	B7MPS-G200	B7MPS-R200
21/2"	7.000"	1.875"	B7MPS-G250	B7MPS-R250

### Clamp Tees - B7MP



Tube	Dimensions		304 Stainless Steel	316L Stainless Steel	
OD	A	В	Part #	Part #	
1/2"	4.750"	2.375"		B7MP-R50	
3/4"	5.000"	2.500"		B7MP-R75	
1"	4.750"	2.375"	B7MP-G100	B7MP-R100	
1½"	5.500"	2.750"	B7MP-G150	B7MP-R150	
2"	7.000"	3.500"	B7MP-G200	B7MP-R200	
21/2"	7.000"	3.500"	B7MP-G250	B7MP-R250	
3"	7.500"	3.750"	B7MP-G300	B7MP-R300	
4"	9.000"	4.500"	B7MP-G400	B7MP-R400	
6"	13.000"	6.500"	B7MP-G600	B7MP-R600	
8"	15.750"	7.875"	B7MP-G800	B7MP-R800	

### Reducing - B7RMP



Tube	D	imension	ıs	304 Stainless Steel	316L Stainless Steel
OD	Α	В	С	Part #	Part #
1" x ¾"	5.250"	2.625"	2.625"		B7RMP-R10075
1½" x ½"	5.750"	2.875"	2.875"		B7RMP-R15050
1½" x 1"	4.312"	2.156"	1.875"		B7RMP-R150100
2" x ½"	6.750"	3.375"	3.125"		B7RMP-R20050
2" x ¾"	6.750"	3.375"	3.125"		B7RMP-R20075
2" x 1"	5.125"	2.562"	2.125"	B7RMP-G200100	B7RMP-R200100
2" x 1½"	5.125"	2.562"	2.406"	B7RMP-G200150	B7RMP-R200150
2½" x 1½"	5.688"	2.844"	2.656"	B7RMP-G250150	B7RMP-R250150
2½" x 2"	5.688"	2.844"	2.812"	B7RMP-G250200	B7RMP-R250200
3" x 1½"	6.188"	3.093"	2.906"	B7RMP-G300150	B7RMP-R300150
3" x 2"	6.188"	3.093"	3.063"	B7RMP-G300200	B7RMP-R300200
4" x 1½"	8.125"	4.063"	3.406"	B7RMP-G400150	
4" x 2"	8.125"	4.063"	3.563"	B7RMP-G400200	

### Clamp Fittings - Reducers

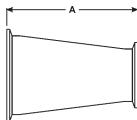
### Concentric - B3114MP

Tube	Dimension	304 Stainless Steel	316L Stainless Steel
OD	A	Part #	Part #
1" x ½"	3.000"		B3114MP-R10050
1" x ¾"	2.000"		B3114MP-R10075
1½" x ½"	5.000"		B3114MP-R15050
1½" x ¾"	4.000"		B3114MP-R15075
1½" x 1"	3.000"	B3114MP-G150100	B3114MP-R150100
2" x ¾"	6.000"		B3114MP-R20075
2" x 1"	5.000"	B3114MP-G200100	B3114MP-R200100
2" x 1½"	3.000"	B3114MP-G200150	B3114MP-R200150
2½" x 1½"	5.000"	B3114MP-G250150	B3114MP-R250150
2½" x 2"	3.000"	B3114MP-G250200	B3114MP-R250200
3" x 1½"	7.000"	B3114MP-G300150	B3114MP-R300150
3" x 2"	5.000"	B3114MP-G300200	B3114MP-R300200
3" x 2½"	3.000"	B3114MP-G300250	B3114MP-R300250
4" x 1½"	11.125"	B3114MP-G400150	B3114MP-R400150
4" x 2"	9.125"	B3114MP-G400200	B3114MP-R400200
4" x 2½"	7.125"	B3114MP-G400250	B3114MP-R400250
4" x 3"	5.125"	B3114MP-G400300	B3114MP-R400300
6" x 4"	7.000"	B3114MP-G600400	



Fittings

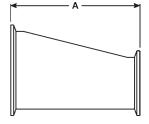
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### Eccentric - B3214MP

Tube	Dimension	304 Stainless Steel	316L Stainless Steel
OD	A	Part #	Part #
1½" x 1"	3.000"	B3214MP-G150100	B3214MP-R150100
2" x 1"	5.000"	B3214MP-G200100	B3214MP-R200100
2" x 1½"	3.000"	B3214MP-G200150	B3214MP-R200150
2½" x 1½"	5.000"	B3214MP-G250150	B3214MP-R250150
2½" x 2"	3.000"	B3214MP-G250200	B3214MP-R250200
3" x 1½"	7.000"	B3214MP-G300150	B3214MP-R300150
3" x 2"	5.000"	B3214MP-G300200	B3214MP-R300200
3" x 2½"	3.000"	B3214MP-G300250	B3214MP-R300250
4" x 2"	9.125"	B3214MP-G400200	B3214MP-R400200
4" x 2½"	7.125"	B3214MP-G400250	B3214MP-R400250
4" x 3"	5.125"	B3214MP-G400300	B3214MP-R400300
6" x 3"	6.875"	B3214MP-G600300	
6" x 4"	7.000"	B3214MP-G600400	





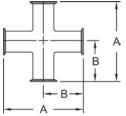
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### Clamp Crosses

### Clamp Crosses - B9MP

Tube	Dimensions		304 Stainless Steel	316L Stainless Steel
OD	Α	В	Part #	Part #
1"	4.750"	2.375"	B9MP-G100	B9MP-R100
1½"	5.500"	2.750"	B9MP-G150	B9MP-R150
2"	7.000"	3.500"	B9MP-G200	B9MP-R200
3"	7.500"	3.750"	B9MP-G300	B9MP-R300
4"	9.000"	4.500"	B9MP-G400	B9MP-R400



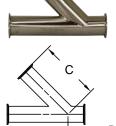




### Laterals - B28AMP



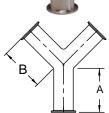




Tube	Dimensions		ns	316L Stainless Steel
OD	A	В	С	Part #
1"	7.000"	1.500"	5.500"	B28AMP-R100
1½"	8.375"	1.688"	6.688"	B28AMP-R150
2"	9.750"	2.125"	7.625"	B28AMP-R200
3"	11.750"	2.375"	9.375"	B28AMP-R300
4"	14.062"	2.640"	11.312"	B28AMP-R400
			-	

### **3**√





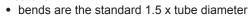
### True Wyes - B28BMP

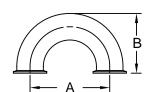
Tube	Dimensions		316L Stainless Steel
OD	А	В	Part #
1"	2.500"	2.938"	B28BMP-R100
11/2"	2.500"	2.938"	B28BMP-R150
2"	3.125"	3.750"	B28BMP-R200
3"	4.500"	5.375"	B28BMP-R300
4"	6.000"	6.000"	B28BMP-R400

### **△**



### Feature:





Tube	Dimer	nsions	316L Stainless Steel	
OD	А	В	Part #	
1"	3.000"	2.500"	B2WUMP-R100	
1½"	4.500"	3.500"	B2WUMP-R150	
2"	6.000"	4.500"	B2WUMP-R200	
3"	9.000"	6.500"	B2WUMP-R300	
4"	12.000"	8.625"	B2WUMP-R400	

### **Clamp End Protection Covers -** *BCC*

180° Return Bends - B2WUMP

### Foaturo:

• Use these covers to protect all clamp ends on fittings, valves, filters and pumps.



Sizo	Vinyl Plastic	
Size	Part #	
1/2"	BCC-050	
3/4"	BCC-075	
1"	BCC-100	
1½"	BCC-150	
2"	BCC-200	
21/2"	BCC-250	
3"	BCC-300	
4"	BCC-400	
6"	BCC-600	
8"	BCC-800	

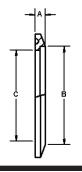
### **Quick Weld Ferrules**

### Features:

- 304 stainless construction
- · just slip onto sanitary OD tube and weld
- · no need to butt weld

Tube	С	imension	ıs	304 Stainless Steel	
OD	Α	В	С	Part #	
1"	.290"	1.005"	.870"	14QMP-G100	
1½"	.199"	1.505"	1.370"	14QMP-G150	
2"	.205"	2.005"	1.870"	14QMP-G200	
21/2"	.210"	2.505"	2.370"	14QMP-G250	
3"	.216"	3.005"	2.870"	14QMP-G300	
4"	.235"	4.005"	3.834"	14QMP-G400	
6"	.321"	6.005"	5.782"	14QMP-G600	





anitary

### Breakaway Coupling - Clamp

### Application:

· minimizes spillage and damage associated with pull away and drive away incidents

### Materials:

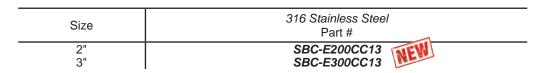
- 316 stainless steel polished to standard <32R<sub>a</sub>, 3A finish
- clamp gasket: EPDM standard, optional material available

### 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)





J

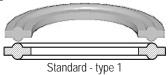
### Clamp Gaskets

### 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 ½" and ¾" connections, due to their recessed, fully contained design.











Flanged - type 2

Buna-N - Black

### Features:

- · color code: red dot
- meets 21CFR 177.2600





Size	Buna-N Part #
1/2"	42MP-U50
3/4"	42MP-U75
1"	40MP-U100
1½"	40MP-U150
2"	40MP-U200
2½"	40MP-U250
3"	40MP-U300
4"	40MP-U400
5"	40MP-U500
6"	40MP-U600
8"	40MP-U800

### Buna-N - White

### Features:

- · color code: red dot
- meets 21CFR 177.2600







Size	Buna-N
Size	Part #
1/2"	42MP-UW50
3/4"	42MP-UW75
1"	40MP-UW100
1½"	40MP-UW150
2"	40MP-UW200
2½"	40MP-UW250
3"	40MP-UW300
4"	40MP-UW400
6"	40MP-UW600

### EPDM - Black

### Features:

- · color code: three green dots
- · peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing





Size	<i>EPDM</i> Part #
½" ¾" 1" 1½" 2" 2½" 3" 4"	42MP-E50 42MP-E75 40MP-E100 40MP-E150 40MP-E200 40MP-E300 40MP-E400
6"	40MP-E600

Visit 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 Part #
1/2" 3/4" 1" 11/2" 2" 21/2"	42MP-SFY50 42MP-SFY75 40MP-SFY100 40MP-SFY150 40MP-SFY200 40MP-SFY250
3" 4" 6"	40MP-SFY300 40MP-SFY400 40MP-SFY600





Type 1 - Standard 1" and larger

Silicone - White

### Features:

- · color code: pink dot
- · peroxide cured
- meets 21CFR 177.2600
- · passed USP Class VI Cytotoxicity testing

Ciro	Silicone	
Size	Part #	
1/2"	42MP-XW50	
3/4"	42MP-XW75	
1"	40MP-XW100	
1½"	40MP-XW150	
2"	40MP-XW200	
21/2"	40MP-XW250	
3"	40MP-XW300	
4"	40MP-XW400	
6"	40MP-XW600	





Type 1 - Standard 1" and larger

Silicone - Clear

### Features:

- · color code: no dot
- peroxide cured
- meets 21CFR 177.2600

Size	Silicone Part #
1/2" 3/4" 1" 11/2" 2" 21/2" 3" 4"	42MP-XC50 42MP-XC75 40MP-XC100 40MP-XC150 40MP-XC200 40MP-XC250 40MP-XC300 40MP-XC400



-

Type 1 - Standard 1" and larger

Visit dixonvalve.com for sizing charts

Type 1 - Standard 1/2" - 3/4"

Type 1 - Standard 1" and larger

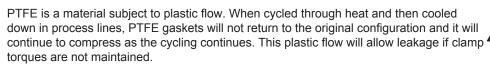
### Clamp Gaskets

### 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
0.20	Part #
1/2"	42MP-G50
3/4"	42MP-G75
1"	40MP-G100
1½"	40MP-G150
2"	40MP-G200
2½"	40MP-G250
3"	40MP-G300
4"	40MP-G400
5"	40MP-G500
6"	40MP-G600
8"	40MP-G800
10"	40MP-G1000
12"	40MP-G1200





### Buna-N Flanged - Black

### Features:

- · color code: red dot
- meets 21CFR 177.2600
- not recommended for use with bolted clamps



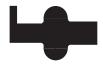
Type 2 - Flanged 1" and larger

Size	<i>Buna-N</i> Part #
1" 1½" 2" 2½" 3" 4" 6" 8" 10"	40MPF-U100 40MPF-U150 40MPF-U200 40MPF-U250 40MPF-U300 40MPF-U400 40MPF-U600 40MPF-U1000 40MPF-U1200

### **Buna-N Flanged - White**

### Features:

- color code: red dot
- meets 21CFR 177.2600
- not recommended for use with bolted clamps



Type 2 - Flanged 1" and larger

Size	<i>Buna-N</i> Part #
1"	40MPF-UW100
1½"	40MPF-UW150
2"	40MPF-UW200
2½"	40MPF-UW250
3"	40MPF-UW300
4"	40MPF-UW400
6"	40MPF-UW600

Visit dixonvalve.com for sizing charts

# Sanitary Fittings

### 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

6:	EPDM
Size	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	
Size	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 Part #
1"	40MPF-XW100
1½"	40MPF-XW150
2"	40MPF-XW200
2½"	40MPF-XW300
3"	40MPF-XW400
4"	40MPF-XW600
8"	40MPF-XW800
10"	40MPF-XW1000
12"	40MPF-XW1200



Type 2 - Flanged 1" and larger

Visit 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	<i>Buna-N</i> Part #
1"	40MPS-U100
1½"	40MPS-U150
2"	40MPS-U200
2½"	40MPS-U250
3"	40MPS-U300
4"	40MPS-U400

### 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



Type 3 - Mesh

Size	PTFE with EPDM Filler	
	Part #	
1/2"	42MP-GRE50	
1"	40MP-GRE100	
1½"	40MP-GRE150	
2"	40MP-GRE200	
21/2"	40MP-GRE250	
3"	40MP-GRE300	
4"	40MP-GRE400	
6"	40MP-GRE600	

### 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 Part #	
1"	40MP-GR100	
1½"	40MP-GR150	
2"	40MP-GR200	
21/2"	40MP-GR250	
3"	40MP-GR300	
4"	40MP-GR400	
6"	40MP-GR600	

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.

# Sanitary Fittings

### 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	
	Part #	
1"	40MP-UZ100	
1½"	40MP-UZ150	
2"	40MP-UZ200	
2½"	40MP-UZ250	
3"	40MP-UZ300	
4"	40MP-UZ400	



### **EPDM**

### Features:

- · resistant to steam, water and base solutions
- minimum temperature: -70°F (-57°C)
- maximum temperature: 310°F (154°C)

Size	EPDM
Size	Part #
1"	40MP-EZ100
1½"	40MP-EZ150
2"	40MP-EZ200
2½"	40MP-EZ250
3"	40MP-EZ300
4"	40MP-EZ400



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	<i>FKM</i> Part #
1"	40MP-SFYZ100
1½"	40MP-SFYZ150
2"	40MP-SFYZ200
2½"	40MP-SFYZ250
3"	40MP-SFYZ300
4"	40MP-SFYZ400



Type 1 - Standard 1" and larger

### Cam and Groove Transition Fittings <sup>1</sup>

### Adapter x Clamp End

# Sanitary Fittings



Size	316 Stainless Steel Part #
1½"	RE150SE
2"	RE200SE
3"	RE300SE

### Coupler x Clamp End



Size	316 Stainless Steel Part #
1½"	RC150SE
2"	RC200SE
3"	RC300SE

### Dixon® Weld to Tube Cam and Groove 1

### Features:

- designed to be welded to standard sanitary tubing
- 316 stainless steel investment casting

### Adapter x Weld to Tube End



Size	316 Stainless Steel Part #
1" 1½" 2"	RE100BT RE150BT RE200BT
3"	RE300BT

### Boss-Lock™ Coupler x Weld to Tube End



Size	316 Stainless Steel Part #
1" 1½"	RC100BT RC150BT
2"	RC200BT
3"	RC300BT

<sup>&</sup>lt;sup>1</sup> for all other cam and groove options see pages 121-162

# Sanitar Fittings

### European Fittings - DIN

### **DIN 11851 Round Nuts** - *13R*

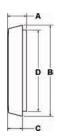
Nominal	А	В	С	304 Stainless Steel
Size	(mm)	(mm)	(mm)	Part Number
1"	21.0	63.0	52 x <sup>1</sup> / <sub>6</sub>	13R-G100DIN
1½"	21.0	78.0	65 x <sup>1</sup> / <sub>6</sub>	13R-G150DIN
2"	22.0	92.0	78 x <sup>1</sup> / <sub>6</sub>	13R-G200DIN
21/2"	25.0	112.0	95 x <sup>1</sup> / <sub>6</sub>	13R-G250DIN
3"	30.0	127.0	110 x <sup>1</sup> / <sub>4</sub>	13R-G300DIN
4"	31.0	148.0	130 x <sup>1</sup> / <sub>4</sub>	13R-G400DIN



### **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	16AMP-R100DIN
1½"	13.0	56.0	9.9	48.0	16AMP-R150DIN
2"	14.0	68.0	10.9	61.0	16AMP-R200DIN
2½"	16.0	86.0	11.9	79.0	16AMP-R250DIN
3"	16.0	100.0	11.9	93.0	16AMP-R300DIN
4"	20.1	120.0	15.0	114.0	16AMP-R400DIN

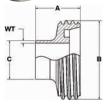




### **DIN Welding Males -** 15A

Nominal	WT	А	В	С	316 Stainless Steel
 Size	(mm)	(mm)	(mm)	(mm)	Part Number
1"	1.6	29.0	52 x <sup>1</sup> / <sub>6</sub>	25.4	15A-R100DIN
1½"	1.6	33.0	65 x <sup>1</sup> / <sub>6</sub>	38.1	15A-R150DIN
2"	1.7	35.0	78 x <sup>1</sup> / <sub>6</sub>	51.0	15A-R200DIN
21/2"	1.6	40.0	95 x <sup>1</sup> / <sub>6</sub>	63.5	15A-R250DIN
3"	1.6	45.0	110 x <sup>1</sup> / <sub>4</sub>	76.2	15A-R300DIN
4"	2.0	54.0	130 x <sup>1</sup> / <sub>4</sub>	101.6	15A-R400DIN

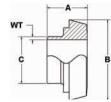




### **DIN Welding Liners - 14A**

Nominal	WT	Α	В	С	316 Stainless Steel
Size	(mm)	(mm)	(mm)	(mm)	Part Number
1"	1.6	22.0	44.0	25.4	14A-R100DIN
11/2"	1.6	26.0	56.0	38.1	14A-R150DIN
2"	1.7	28.0	68.0	51.0	14A-R200DIN
21/2"	1.6	32.0	86.0	63.5	14A-R250DIN
3"	1.6	37.0	100.0	76.2	14A-R300DIN
4"	2.0	44.0	121.0	101.6	14A-R400DIN

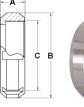




### European Fittings - SMS

## Round Nuts - 13R

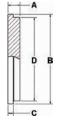
# Sanitary Fittings





Nominal	Α	В	С	304 Stainless Steel
Size	(mm)	(mm)	(mm)	Part Number
1"	19.0	51.0	40 x <sup>1</sup> / <sub>6</sub>	13R-G100SMS
1½"	23.0	74.0	60 x <sup>1</sup> / <sub>6</sub>	13R-G150SMS
2"	24.0	84.0	70 x <sup>1</sup> / <sub>6</sub>	13R-G200SMS
2½"	28.0	100.0	85 x <sup>1</sup> / <sub>6</sub>	13R-G250SMS
3"	30.0	114.0	98 x <sup>1</sup> / <sub>6</sub>	13R-G300SMS
4"	31.0	138.0	125 x <sup>1</sup> / <sub>4</sub>	13R-G400SMS

### Blank Caps - 16AMP





	Nominal	Α	В	С	D	316 Stainless Steel
	Size	(mm)	(mm)	(mm)	(mm)	Part Number
_	1"	7.5	35.5	3.6	32.0	16AMP-R100SMS
	1½"	8.0	55.0	4.1	47.9	16AMP-R150SMS
	2"	9.0	65.0	4.1	60.4	16AMP-R200SMS
	2½"	9.0	80.0	4.1	73.5	16AMP-R250SMS
	3"	11.0	93.0	5.1	86.5	16AMP-R300SMS
	4"	11.0	118.0	5.8	112.5	16AMP-R400SMS

# WT - B



### Welding Males - 15A

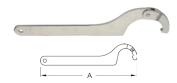
Nominal	WT	Α	В	С	316 Stainless Steel
Size	(mm)	(mm)	(mm)	(mm)	Part Number
1"	1.25	19.0	40 x <sup>1</sup> / <sub>6</sub>	25.0	15A-R100SMS
1½"	1.25	23.0	60 x <sup>1</sup> / <sub>6</sub>	38.0	15A-R150SMS
2"	1.25	23.0	70 x <sup>1</sup> / <sub>6</sub>	51.0	15A-R200SMS
2½"	1.50	27.0	85 x <sup>1</sup> / <sub>6</sub>	63.5	15A-R250SMS
3"	1.60	27.0	98 x <sup>1</sup> / <sub>6</sub>	76.1	15A-R300SMS
4"	2.00	30.0	125 x <sup>1</sup> / <sub>4</sub>	101.6	15A-R400SMS



### Welding Liners - 14A

Nominal	WT	Α	В	С	316 Stainless Steel
Size	(mm)	(mm)	(mm)	(mm)	Part Number
1"	1.25	15.5	35.5	25.0	14A-R100SMS
11/2"	1.25	16.0	55.0	38.0	14A-R150SMS
2"	1.25	17.0	65.0	51.0	14A-R200SMS
21/2"	1.50	17.0	80.0	63.5	14A-R250SMS
3"	1.60	19.0	93.0	76.1	14A-R300SMS
4"	2.00	19.0	118.0	101.6	14A-R400SMS

### **DIN and SMS Spanner Wrenches - SP**



Used On	A	Nickel Plated Steel
Nominal Size	(mm)	Part Number
1" - 1½"	247.7	DIN-SMS-60/90SP
2" - 4"	330.2	DIN-SMS90/155SP

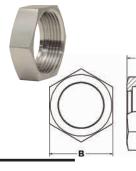
### Manufactured in accordance to Swedish Milk Standard ISO 2037 and ISO 2851

# Sanita

### European Fittings - RJT BS: 4825

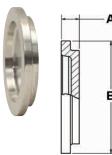
### Hex Nuts - 13H

Nominal	А	В	304 Stainless Steel
Size	(mm)	(mm)	Part Number
1"	22.2	50.80	13H-G100RJT
1½"	22.2	65.02	13H-G150RJT
2"	22.2	79.25	13H-G200RJT
2½"	22.2	91.95	13H-G250RJT
3"	22.2	104.65	13H-G300RJT
4"	22.2	130.05	13H-G400RJT
2½" 3"	22.2 22.2	91.95 104.65	13H-G250RJT 13H-G300RJT



### Blank Caps - 13RBN

Nominal	A	В	304 Stainless Steel
Size	(mm)	(mm)	Part Number
1"	8.2	41.3	13RBN-G100RJT
1½"	8.2	54.0	13RBN-G150RJT
2"	8.2	66.7	13RBN-G200RJT
2½"	8.2	79.4	13RBN-G250RJT
3"	8.2	92.1	13RBN-G300RJT
4"	8.2	117.5	13RBN-G400RJT



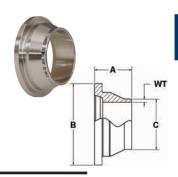
### Welding Males - 15A

Nominal	WT	Α	В	С	316 Stainless Steel
Size	(mm)	(mm)	(mm)	(mm)	Part Number
1"	1.73	27.0	45.72 x <sup>1</sup> / <sub>8</sub>	25.65	15A-R100RJT
1½"	1.73	27.0	58.42 x <sup>1</sup> / <sub>8</sub>	38.35	15A-R150RJT
2"	1.73	27.0	72.72 x <sup>1</sup> / <sub>6</sub>	51.05	15A-R200RJT
2½"	1.73	27.0	85.42 x <sup>1</sup> / <sub>6</sub>	63.75	15A-R250RJT
3"	1.73	27.0	98.12 x <sup>1</sup> / <sub>6</sub>	76.45	15A-R300RJT
4"	2.13	27.0	123.52 x <sup>1</sup> / <sub>6</sub>	101.85	15A-R400RJT



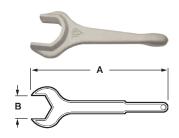
### Welding Liners - 14A

Nominal	WT	Α	В	С	316 Stainless Steel
Size	(mm)	(mm)	(mm)	(mm)	Part Number
1"	1.73	19.5	41.3	25.65	14A-R100RJT
1½"	1.73	19.5	54.0	38.35	14A-R150RJT
2"	1.73	19.5	66.7	51.05	14A-R200RJT
21/2"	1.73	19.5	79.4	63.75	14A-R250RJT
3"	1.73	19.5	92.1	76.45	14A-R300RJT
4"	2.13	19.5	117.5	101.85	14A-R400RJT



### Spanner Wrenches - SP

_				
	Size	Α	В	Aluminum
	0.20	(mm)	(mm)	Part Number
Ī	1"	254.00	50.80	RJT-100SP
	11/2"	292.10	65.02	RJT-150SP
	2"	304.80	79.25	RJT-200SP
	21/2"	342.80	91.95	RJT-250SP
	3"	368.30	104.65	RJT-300SP
	4"	444.50	130.05	RJT-400SP



### 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	40MP-U100DIN
1½"	41.91	52.07	40MP-U150DIN
2"	54.10	64.01	40MP-U200DIN
21/2"	71.12	81.03	40MP-U250DIN
3"	85.09	95.00	40MP-U300DIN
4"	103.89	114.05	40MP-U400DIN

### SMS Buna-N - Black

Feature:

· color code: red dot

### Approval:

• meets 21CFR 177.2600

Nomi		ID	OD	L Style
Size	)	(mm)	(mm)	Part Number
1"		24.89	32.00	40MP-U100SMS
11/2	'	37.49	48.00	40MP-U150SMS
2"		50.80	61.00	40MP-U200SMS
21/2	'	63.50	73.40	40MP-U250SMS
3"		75.95	86.10	40MP-U300SMS
4"		103.89	114.00	40MP-U400SMS

### 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	40MP-U100RJT
1½"	39.62	6.35	40MP-U150RJT
2"	52.32	6.35	40MP-U200RJT
2½"	65.08	6.35	40MP-U250RJT
3"	77.72	6.35	40MP-U300RJT
4"	103.12	6.35	40MP-U400RJT





# Sanitar Fittings

### Bevel Seat Nuts - 13H

### Feature:

• maximum operating pressure: 400 PSI

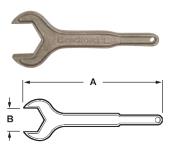
Tube	Dimer	nsions	304 Stainless Steel (CF8)
OD	Α	В	Part #
1"	.906"	1.812"	13H-G100
1½"	.968"	2.406"	13H-G150
2"	1.062"	3.000"	13H-G200
21/2"	1.187"	3.594"	13H-G250
3"	1.281"	4.188"	13H-G300
4"	1.500"	5.438"	13H-G400



### **Bevel Seat Wrenches**

### Single Sided Hex - 25H

Tube	Dimer	nsions	Aluminum
OD	А	В	Part #
1"	10.500"	1.812"	25H-100
1½"	12.000"	2.406"	25H-150
2"	14.000"	3.000"	25H-200
2½"	16.250"	3.594"	25H-250
3"	18.500"	4.188"	25H-300
4"	19.500"	5.438"	25H-400



### Two Sided Hex - 25H

Tube	D	imension	ıs	Aluminum
OD	Α	В	С	Part #
1½" x 1"	12.000"	2.406"	1.812"	25H-150100
2" x 1½"	14.000"	3.000"	2.406"	25H-200150
2½" x 2"	16.500"	3.594"	3.000"	25H-250200
3" x 2"	18.000"	4.188"	3.000"	25H-300200
3" x 2½"	18.000"	4.188"	3.594"	25H-300250



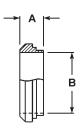
### **Bevel Seat Ferrules**



### Short Plain Weld - 14PRF





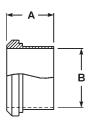


	Tube	Dimer	nsions	304 Stainless Steel
	OD	А	В	Part #
•	1"	.718"	.870"	14PRF-G100
	1½"	.718"	1.370"	14PRF-G150
	2"	.750"	1.870"	14PRF-G200
	2½"	.875"	2.370"	14PRF-G250
	3"	.906"	2.870"	14PRF-G300
	4"	1.031"	3.834"	14PRF-G400



### Long Plain Weld - 14A



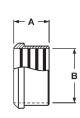


	Tube	Dimer	nsions	304 Stainless Steel
	OD	А	В	Part #
_	1"	1.375"	.870"	14A-G100
	1½"	1.500"	1.370"	14A-G150
	2"	1.500"	1.870"	14A-G200
	2½"	1.750"	2.370"	14A-G250
	3"	1.750"	2.870"	14A-G300
	4"	1.750"	3.834"	14A-G400



### Recessless Plain for Expanding - 14R





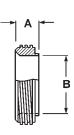
Tube		Dimen	nsions	304 Stainless Steel
OD		4	В	Part #
1½"	1.1	25"	1.505"	14R-G150
2"	1.3	12"	2.005"	14R-G200
21/2"	1.3	75"	2.505"	14R-G250
3"	1.4	37"	3.005"	14R-G300
4"	1.5	00"	4.005"	14R-G400

Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.



### **Short Threaded Weld -** 15TRF





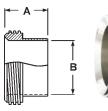
Tube	Dimer	nsions	304 Stainless Steel
OD	А	В	Part #
1"	.718"	.870"	15TRF-G100
1½"	.718"	1.370"	15TRF-G150
2"	.750"	1.870"	15TRF-G200
2½"	.875"	2.370"	15TRF-G250
3"	.906"	2.870"	15TRF-G300
4"	1.031"	3.834"	15TRF-G400

### **Bevel Seat Ferrules**

### Long Threaded Weld - 15A



Tube	Dimer	nsions	304 Stainless Steel
OD	А	В	Part #
1"	1.375"	.870"	15A-G100
1½"	1.500"	1.370"	15A-G150
2"	1.500"	1.870"	15A-G200
21/2"	1.750"	2.370"	15A-G250
3"	1.750"	2.870"	15A-G300
4"	1.750"	3.834"	15A-G400

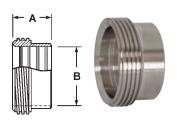




### Recessless Threaded for Expanding - 15R



Tube	Dimer	nsions	304 Stainless Steel
OD	А	В	Part #
1	.812"	1.005"	15R-G100
11/2"	1.125"	1.505"	15R-G150
2"	1.375"	2.005"	15R-G200
21/2"	1.500"	2.505"	15R-G250
3"	1.625"	3.005"	15R-G300
4"	1.675"	4.005"	15R-G400



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 OD	Dimension A	304 Stainless Steel 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



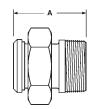




### **Bevel Seat Adapters**

### Plain x Male NPT with Hex Nut - 14-19

Tube OD	Dimension A	304 Stainless Steel Part #
1½"	3.250"	14-19-G150
2"	3.312"	14-19-G200
3"	4.250"	14-19-G300





### **Bevel Seat Elbows**

### 90° Threaded x Plain with Hex Nut - B2F



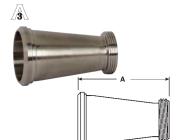
Tube OD	Dimension A	304 Stainless Steel Part #
1½"	2.968"	B2F-G150
2"	3.750"	B2F-G200
2½"	4.625"	B2F-G250
3"	5.406"	B2F-G300
	•	•

### 90° Plain x Plain with Hex Nut - B2E



Tube OD	Dimension A	304 Stainless Steel Part #
1½"	2.968"	B2E-G150
2"	3.750"	B2E-G200
2½"	4.625"	B2E-G250
3"	5.406"	B2E-G300

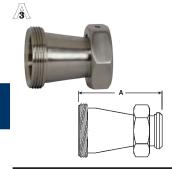
### **Bevel Seat Reducers**



### Plain x Threaded Concentric - B3115F

Tube OD	Dimension A	304 Stainless Steel Part #
2" x 1½"	3.468"	B3115F-G200150
2½" x 2"	3.625"	B3115F-G250200
3" x 2"	5.656"	B3115F-G300200
3" x 2½"	3.781"	B3115F-G300250
4" x 3"	5.937"	B3115F-G400300

### Threaded x Plain with Hex Nut Concentric - B31TP



Tube OD	Dimension A	304 Stainless Steel Part #
2" x 1½"	3.468"	B31TP-G200150
2½" x 2"	3.625"	B31TP-G250200
3" x 2"	5.656"	B31TP-G300200
3" x 2½"	3.781"	B31TP-G300250
4" x 3"	5.937"	B31TP-G400300

### 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" 3"	SBC-E200TP13



# Sanitar Fittings

### **Bevel Seat Gaskets**

### Buna-N - Black

### Features:

- · color code: red dot
- meets 21CFR 177.2600

Size	<i>Buna-N</i> Part #
1" 1½" 2" 2½" 3"	40BS-O100 40BS-O150 40BS-O200 40BS-O250 40BS-O300
4"	40BS-O400



PTFE - White

### Features:

- · color code: no dot
- meets 21CFR 177.1550
- · passed USP Class VI Cytotoxicity testing

Size	PTFE
Size	Part #
1"	40BS-S100
1½"	40BS-S150
2"	40BS-S200
21/2"	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	<i>PTFE</i> Part #
1"	40BS-H100
1½"	40BS-H150
2"	40BS-H200
2½"	40BS-H250
3"	40BS-H300
4"	40BS-H400

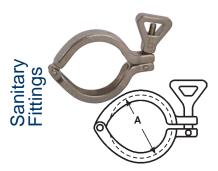


PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



### I-line / Q-line Clamps

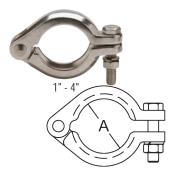
### Heavy Duty - 13/LH



Tube OD	Service Pressure   Service Pressure   PSI Rating @ PSI Rating @ 70°F (21°C) 1   250°F (121°C) 1		Dimension A	304 Stainless Steel Part #
1" - 1½"	700	250	2.122"	13ILH100-150
2"	450	250	2.654"	13ILH200
2½"	450	200	3.185"	13ILH250
3"	350	150	3.717"	13ILH300
4"	200	125	4.820"	13ILH400
6"	150	100	7.689"	13ILH600
8"	125	75	9.689"	13ILH800

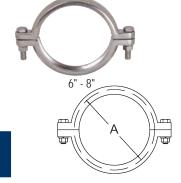
<sup>&</sup>lt;sup>1</sup> wing nut tightened to 25 in. lbs. of torque

### Bolted - 13ILB



Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	304 Stainless Steel Part #
1" - 11/2"	1220	1100	2.122"	13ILB100-150
2"	900	830	2.654"	13ILB200
21/2"	720	660	3.185"	13ILB250
3"	600	550	3.717"	13ILB300
4"	570	525	4.820"	13ILB400

<sup>&</sup>lt;sup>1</sup> nut tightened to 20 ft. lbs. of torque



Tube OD	Service Pressure PSI Rating @ 70°F (21°C) 1	Service Pressure PSI Rating @ 250°F (121°C) 1	Dimension A	304 Stainless Steel Part #
6"	300	200	7.689"	13ILB600
8"	250	150	9.689"	13ILB800

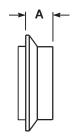
<sup>&</sup>lt;sup>1</sup> nut tightened to 20 ft. lbs. of torque

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### I-Line - Ferrules

### Male Short Weld - 14WI

Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.600"	14WI-G100	14WI-R100
1½"	.765"	14WI-G150	14WI-R150
2"	.790"	14WI-G200	14WI-R200
2½"	.848"	14WI-G250	14WI-R250
3"	.906"	14WI-G300	14WI-R300
4"	1.031"	14WI-G400	14WI-R400
6"	.940"		14WI-R600
8"	.940"		14WI-R800





<u>3</u>

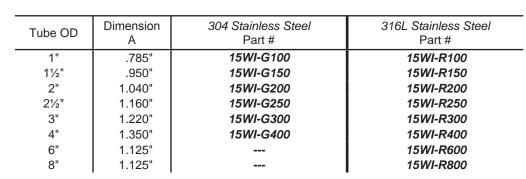
### Male Long Weld - 14WLI

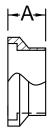
Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.562"	14WLI-G100	14WLI-R100
1½"	1.843"	14WLI-G150	14WLI-R150
2"	2.062"	14WLI-G200	14WLI-R200
2½"	2.188"	14WLI-G250	14WLI-R250
3"	2.375"	14WLI-G300	14WLI-R300
4"	2.688"	14WLI-G400	14WLI-R400
6"	2.688"		14WLI-R600





### Female Short Weld - 15WI

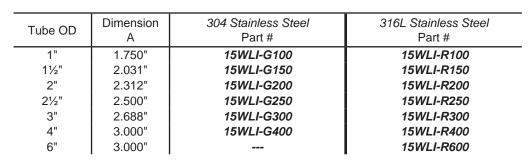


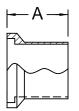




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### Female Long Weld - 15WLI



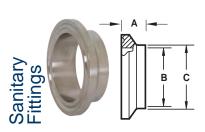




### Q-Line - Ferrules





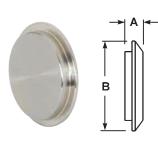


Tube		imension	ıs	304 Stainless Steel
OD	Α	В	С	Part #
1"	.531"	.870"	1.000"	14WQ-G100
1½"	.563"	1.370"	1.500"	14WQ-G150
2"	.813"	1.870"	2.000"	14WQ-G200
21/2"	.938"	2.370"	2.500"	14WQ-G250
3"	.938"	2.870"	3.000"	14WQ-G300
4"	1.000"	3.834"	4.000"	14WQ-G400

### I-Line / Q-Line - End Caps



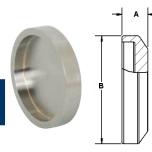
### Male Solid - 16Al-14l



Tube	Dimensions		304 Stainless Steel	316L Stainless Steel
OD	А	В	Part #	Part #
1"	.500"	1.985"	16AI-14I100	16AI-14I100R
1½"	.500"	1.985"	16AI-14I150	16AI-14I150R
2"	.562"	2.640"	16AI-14I200	16AI-14I200R
21/2"	.750"	3.307"	16AI-14I250	16AI-14I250R
3"	.750"	3.870"	16AI-14I300	16AI-14I300R
4"	.750"	4.870"	16AI-14I400	16AI-14I400R
6"	.750"	7.495"		16AI-14I600R
8"	.800"	9.495"		16AI-14I800R

### **∕3**\

### Female Solid - 16AI-15I

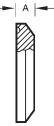


Tube	Dimensions		304 Stainless Steel	316L Stainless Steel
OD	Α	В	Part #	Part #
1"	.500"	1.985"	16AI-15I100	16AI-15I100R
1½"	.500"	1.985"	16AI-15I150	16AI-15I150R
2"	.562"	2.640"	16AI-15I200	16AI-15I200R
2½"	.750"	3.307"	16AI-15I250	16AI-15I250R
3"	.750"	3.870"	16AI-15I300	16AI-15I300R
4"	.765"	4.870"	16AI-15I400	16AI-15I400R
6"	.869"	7.495"		16AI-15I600R
8"	.800"	9.495"		16AI-15I800R



### Solid - 16AQ





Tube OD	Dimension A	304 Stainless Steel Part #
1"	.313"	16AQ-G100
1½"	.313"	16AQ-G150
2"	.438"	16AQ-G200
2½"	.500"	16AQ-G250
3"	.500"	16AQ-G300
4"	.625"	16AQ-G400

### I-line Gaskets

### 3/32" Buna-N - Black

### Features:

- · color code: red dot
- meets 21CFR 177.2600

Size	Buna-N Part #
1"	40IH100
1½"	40IH150
2"	40IH200
2½"	40IH250
3"	40IH300
4"	40IH400
6"	40IH600
8"	40IH800



1/16" PTFE - White

### Features:

- · color code: no dot
- meets 21CFR 177.1550
- · passed USP class VI cytotoxicity testing

Size	<i>PTFE</i> 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	<i>EPDM</i> 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	<i>FKM</i> Part #	
1"	40IV100	
1½"	40IV150	
2"	40IV200	
21/2"	40IV250	
3"	40IV300	
4"	40IV400	
6"	40IV600	
8"	40IV800	

### **Q-line Gaskets**

### Buna-N - Black

### Features:

- color code: red dot
- meets 21CFR 177.2600



<i>Buna-N</i> Part #
40QH100
40QH150
40QH200
40QH250
40QH300
40QH400

PTFE - White

### Features:

- · color code: no dot
- meets 21CFR 177.1550
- · passed USP Class VI Cytotoxicity testing



0:	PTFE
Size	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 PSI Rating @ 70°F (21°C) 1	Dimension A	304 Stainless Steel Part #
1"	500	2.122"	13MHHV100
1½"	450	2.654"	13MHHV150
2"	400	3.185"	13MHHV200
2½"	350	3.717"	13MHHV250
3"	250	4.263"	13MHHV300
4"	150	5.263"	13MHHV400
6"	100	7.500"	13MHHV600



### Bolted - 13MHPV400

Pipe Size	Service Pressure PSI Rating @ 70°F (21°C) 1	Dimension A	304 Stainless Steel Part #
4"	400	5.187"	13MHPV400

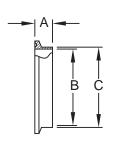
<sup>&</sup>lt;sup>1</sup> nut tightened to 20 ft. lbs. of torque



### Pipe Size Ferrules

### Schedule 5S Short Weld - 14WMV

Pipe		Dimensions		ns	316L Stainless Steel
	Size	Α	В	С	Part #
	1"	.500"	1.185"	1.315"	14WMV-R100
	1½"	.500"	1.770"	1.900"	14WMV-R150
	2"	.500"	2.245"	2.375"	14WMV-R200
	21/2"	.500"	2.709"	2.875"	14WMV-R250
	3"	.500"	3.334"	3.500"	14WMV-R300
	4"	.625"	4.334"	4.500"	14WMV-R400
	6"	.875"	6.407"	6.625"	14WMV-R600



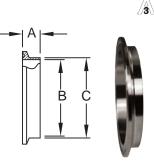




### Schedule 10S Short Weld - 14WMX

Pipe	Dimensions			316L Stainless Steel
Size	Α	В	С	Part #
1"	.500"	1.097"	1.315"	14WMX-R100
1½"	.500"	1.682"	1.900"	14WMX-R150
2"	.500"	2.157"	2.375"	14WMX-R200
21/2"	.500"	2.635"	2.875"	14WMX-R250
3"	.500"	3.260"	3.500"	14WMX-R300
4"	.625"	4.260"	4.500"	14WMX-R400
6"	.875"	6.350"	6.625"	14WMX-R600

• For additional information on pipe dimensions please reference dixonvalve.com.



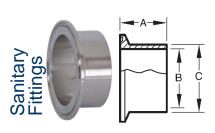
<sup>&</sup>lt;sup>1</sup> wing nut tightened to 25 in. lbs. of torque

<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.

### Pipe Size Ferrules



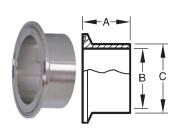
### Schedule 5S Long Weld - L14AM7V



Pipe		imension	ıs	316L Stainless Steel
Size	Α	В	С	Part #
1"	1.125"	1.185"	1.315"	L14AM7V-R100
1½"	1.125"	1.770"	1.900"	L14AM7V-R150
2"	1.125"	2.245"	2.375"	L14AM7V-R200
21/2"	1.125"	2.709"	2.875"	L14AM7V-R250
3"	1.125"	3.334"	3.500"	L14AM7V-R300
4"	1.125"	4.334"	4.500"	L14AM7V-R400



### Schedule 10S Long Weld - L14AM7X



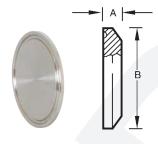
Pipe	Dimensions			316L Stainless Steel
Size	А	В	С	Part #
1"	1.125"	1.097"	1.315"	L14AM7X-R100
1½"	1.125"	1.682"	1.900"	L14AM7X-R150
2"	1.125"	2.157"	2.375"	L14AM7X-R200
21/2"	1.125"	2.635"	2.875"	L14AM7X-R250
3"	1.125"	3.260"	3.500"	L14AM7X-R300
4"	1.125"	4.260"	4.500"	L14AM7X-R400

• For additional information on pipe dimensions please reference dixonvalve.com.

### Pipe Size End Caps



### Schedule 5S and 10S Solid - 16AMV



Pipe Size	Dimer	nsions	304 Stainless Steel	<i>316L Stainless Steel</i> Part #	
ripe Size	Α	В	Part #		
1"	.250"	1.984"	16AMV-G100	16AMV-R100	
1½"	.250"	2.516"	16AMV-G150	16AMV-R150	
2"	.250"	3.047"	16AMV-G200	16AMV-R200	
21/2"	.250"	3.579"	16AMV-G250	16AMV-R250	
3"	.312"	4.125"	16AMV-G300	16AMV-R300	
4"	.312"	5.125"	16AMV-G400	16AMV-R400	

- Specify if you are using a piping system or a tubing system when ordering.
- For additional information on pipe dimensions please reference dixonvalve.com.

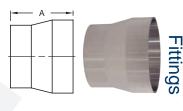


### Pipe Size Adapters

### 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"	B19WV-R100
1½"	2.500"	.065"	.065"	B19WV-R150
2"	2.500"	.065"	.065"	B19WV-R200
2½"	2.500"	.065"	.084"	B19WV-R250
3"	2.500"	.065"	.084"	B19WV-R300
4"	3.000"	.084"	.084"	B19WV-R400



### 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"	B19WX-R100
1½"	2.500"	.065"	.109"	B19WX-R150
2"	2.500"	.065"	.109"	B19WX-R200
2½"	2.500"	.065"	.120"	B19WX-R250
3"	2.500"	.065"	.120"	B19WX-R300
4"	3.000"	.084"	.120"	B19WX-R400

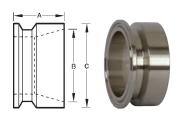




### Clamp x Schedule 10S Weld - B19MPX



Pipe	Dimensions			Pipe Wall	316L Stainless Steel
Size	Α	В	С	Thickness	Part #
1"	1.125"	1.097"	1.315"	.109"	B19MPX-R100
11/2"	1.125"	1.682"	1.900"	.109"	B19MPX-R150
2"	1.125"	2.157"	2.375"	.109"	B19MPX-R200
21/2"	1.125"	2.635"	2.875"	.120"	B19MPX-R250
3"	1.125"	3.260"	3.500"	.120"	B19MPX-R300
4"	1.125"	4.260"	4.500"	.120"	B19MPX-R400



• For additional information on pipe dimensions please reference dixonvalve.com.



### Pipe Size Hangers

### Hex with Rubber Grommets - B24RV1

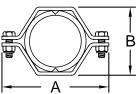


Dina Cina	Dimer	nsions	304 Stainless Steel		
Pipe Size	А	В	Part #		
1"	3.7"	2.2"	B24RV-G100		
1½"	4.4"	2.8"	B24RV-G150		
2"	5.0"	3.3"	B24RV-G200		
21/2"	5.6"	3.7"	B24RV-G250		
3"	6.1"	4.3"	B24RV-G300		
4"	7.6"	5.0"	B24RV-G400		
6"	9.8"	7.2"	B24RV-G600		
	-	-			

<sup>&</sup>lt;sup>1</sup> for coupler options call Dixon®

### Hex with Polypropylene Sleeves - B24PV1



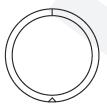


Di 0:		Dimer	nsions	304 Stainless Steel		
	Pipe Size	А	В	Part #		
	1"	3.750"	2.125"	B24PV-G100		
	11/2"	4.312"	2.625"	B24PV-G150		
	2"	5.000"	3.125"	B24PV-G200		
	21/2"	5.625"	3.785"	B24PV-G250		
	3"	6.000"	4.250"	B24PV-G300		
	4"	7.500"	5.127"	B24PV-G400		
	6"	9.750"	7.375"	B24PV-G600		

<sup>&</sup>lt;sup>1</sup> for coupler options call Dixon®

### Sleeves - 13PV





Size	Polypropylene Part #
1"	13PV-100
1½"	13PV-150
2"	13PV-200
2½"	13PV-250
3"	13PV-300
4"	13PV-400
6"	13PV-600

• For additional information on pipe dimensions please reference 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	
	Part #	
1"	40MPV-U100	
1½"	40MPV-U150	
2"	40MPV-U200	
2½"	40MPV-U250	
3"	40MPV-U300	
4"	40MPV-U400	



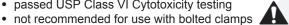
PTFE - 40MPV-G, White

### Features:

· color code: no dot

• meets 21CFR 177.1550

· passed USP Class VI Cytotoxicity testing



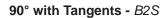
Size	PTFE
Size	Part #
1"	40MPV-G100
1½"	40MPV-G150
2"	40MPV-G200
2½"	40MPV-G250
3"	40MPV-G300
4"	40MPV-G400

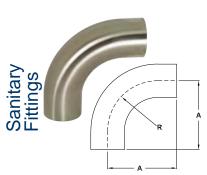


PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

### Polished Weld Elbows



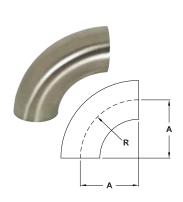




Tube	Dimensions		Wall	Polished ID/OD	Polished ID/OD
OD	А	R	Thickness	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	3.000"	1.125"	.065"		B2S-R50P
3/4"	3.000"	1.125"	.065"		B2S-R75P
1"	2.062"	1.500"	.065"	B2S-G100P	B2S-R100P
11/2"	2.937"	2.250"	.065"	B2S-G150P	B2S-R150P
2"	4.062"	3.000"	.065"	B2S-G200P	B2S-R200P
21/2"	5.187"	3.750"	.065"	B2S-G250P	B2S-R250P
3"	6.312"	4.500"	.065"	B2S-G300P	B2S-R300P
4"	8.312"	6.000"	.083"	B2S-G400P	B2S-R400P



**90° -** B2WCL



Tube	Dimer	nsions	Wall	Polished ID/OD	Polished ID/OD
OD	А	R	Thickness	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.125"	1.125"	.065"		B2WCL-R50P
3/4"	1.125"	1.125"	.065"		B2WCL-R75P
1"	1.500"	1.500"	.065"	B2WCL-G100P	B2WCL-R100P
1½"	2.250"	2.250"	.065"	B2WCL-G150P	B2WCL-R150P
2"	3.000"	3.000"	.065"	B2WCL-G200P	B2WCL-R200P
2½"	3.750"	3.750"	.065"	B2WCL-G250P	B2WCL-R250P
3"	4.500"	4.500"	.065"	B2WCL-G300P	B2WCL-R300P
4"	6.000"	6.000"	.083"	B2WCL-G400P	B2WCL-R400P
6"	9.000"	9.000"	.109"	B2WCL-G600P	B2WCL-R600P
8"	12.000"	12.000"	.109"	B2WCL-G800P	B2WCL-R800P



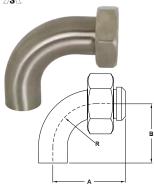
### 90° Clamp x Weld - B2CM



Tube	Dimensions			Wall	Polished ID/OD 304 Stainless Steel	Polished ID/OD 316L Stainless Steel
OD	А	В	R	Thickness	Part #	Part #
1"	2.562"	2.062"	1.500"	.065"	B2CM-G100	B2CM-R100
1½"	3.438"	2.937"	2.250"	.065"	B2CM-G150	B2CM-R150
2"	4.562"	4.062"	3.000"	.065"	B2CM-G200	B2CM-R200
21/2"	5.688"	5.187"	3.750"	.065"	B2CM-G250	B2CM-R250
3"	6.812"	6.312"	4.500"	.065"	B2CM-G300	B2CM-R300
4"	8.937"	8.312"	6.000"	.083"	B2CM-G400	B2CM-R400



### 90° Plain Bevel Seat with Hex Nut x Weld - B2FP

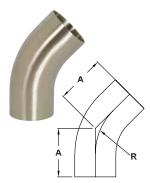


Tube	Di	imensio	ns	Wall	Polished ID/OD 304 Stainless Steel
OD	Α	В	R	Thickness	Part #
1½"	3.656"	2.937"	2.250"	.065"	B2FP-G150
2"	4.812"	4.062"	3.000"	.065"	B2FP-G200
21/2"	6.062"	5.187"	3.750"	.065"	B2FP-G250
3"	7.218"	6.312"	4.500"	.065"	B2FP-G300
3"	7.218"	6.312	4.500"	.065"	B2FP-G300

### Polished Weld Elbows

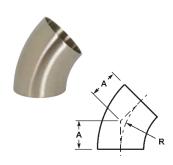
### 45° with Tangents - B2KS

Tube OD	Dimer A	nsions R	Wall Thickness	Polished ID/OD 304 Stainless Steel Part #	Polished ID/OD 316L Stainless Steel Part #
3/4"	2.250"	1.125"	.065"		B2KS-R75P
1"	1.188"	1.500"	.065"	B2KS-G100P	B2KS-R100P
1½"	1.625"	2.250"	.065"	B2KS-G150P	B2KS-R150P
2"	2.312"	3.000"	.065"	B2KS-G200P	B2KS-R200P
21/2"	3.000"	3.750"	.065"	B2KS-G250P	B2KS-R250P
3"	3.688"	4.500"	.065"	B2KS-G300P	B2KS-R300P
4"	4.812"	6.000"	.083"	B2KS-G400P	B2KS-R400P



### **45° -** *B2WK*

Tube		Dime	nsions	Wall	Polished ID/OD	Polished ID/OD
	OD	DD A F		Thickness	304 Stainless Steel Part #	316L Stainless Steel Part #
_	1"	.62"	1.500"	.065"	B2WK-G100P	B2WK-R100P
	1½"	.94"	2.250"	.065"	B2WK-G150P	B2WK-R150P
	2"	1.25"	3.000"	.065"	B2WK-G200P	B2WK-R200P
	21/2"	1.56"	3.750"	.065"	B2WK-G250P	B2WK-R250P
	3"	1.87"	4.500"	.065"	B2WK-G300P	B2WK-R300P
	4"	2.50"	6.000"	.083"	B2WK-G400P	B2WK-R400P
	6"	3.73"	9.000"	.109"	B2WK-G600P	B2WK-R600P
	8"	4.97"	12.000"	.109"	***	B2WK-R800P



### 45° Clamp x Weld - B2KM

Tube OD	Di A	Dimensions A B R		Wall Thickness	Polished ID/OD 304 Stainless Steel Part #	Polished ID/OD 316L Stainless Steel Part #
1"	1.188"	1.688"	1.500"	.065"	B2KM-G100	B2KM-R100
1½"	1.625"	2.125"	2.250"	.065"	B2KM-G150	B2KM-R150
2"	2.312"	2.812"	3.000"	.065"	B2KM-G200	B2KM-R200
21/2"	3.000"	3.500"	3.750"	.065"	B2KM-G250	B2KM-R250
3"	3.688"	4.188"	4.500"	.065"	B2KM-G300	B2KM-R300
4"	4.812"	5.437"	6.000"	.083"	B2KM-G400	B2KM-R400





**3**\

### Polished Weld Sweep Elbows

### Feature:

• tangents, 45° and other radii elbows are available, call Dixon® for information

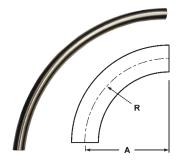


### **12" 90° -** B2SXL

Tube OD	Dimer	nsions	316L Stainless Steel		
	Α	R	Part #		
1½"	12.00"	12.00"	B2SXL12-R150		
2"	12.00"	12.00"	B2SXL12-R200		
3"	12.00"	12.00"	B2SXL12-R300		
4"	12.00"	12.00"	B2SXL12-R400		



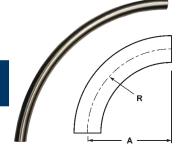
### 18" 90° - B2SXL



Tube OD	Dimei	nsions	316L Stainless Steel
	OB   A   F		Part #
1½"	18.00"	18.00"	B2SXL18-R150
2"	18.00"	18.00"	B2SXL18-R200
2½"	18.00"	18.00"	B2SXL18-R250
3"	18.00"	18.00"	B2SXL18-R300



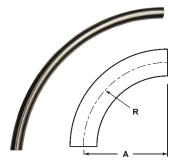
**24" 90° -** B2SXL



Tube OD	Dimer	nsions	316L Stainless Steel	
	А	R	Part #	
	1½"	24.00"	24.00"	B2SXL24-R150
	2"	24.00"	24.00"	B2SXL24-R200
	21/2"	24.00"	24.00"	B2SXL24-R250
	3"	24.00"	24.00"	B2SXL24-R300



**36" 90° -** B2SXL

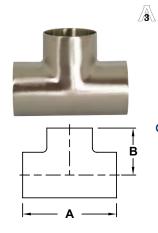


Tube OD	Dimer	nsions	316L Stainless Steel
	Α	R	Part #
3"	36.00"	36.00"	B2SXL36-R300
4"	36.00"	36.00"	B2SXL36-R400

### Polished Weld Tees

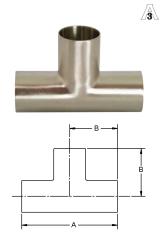
### Short - B7WWW

Tube OD	Dimensions A B		Wall Thickness	Polished ID/OD 304 Stainless Steel Part #	Polished ID/OD 316L Stainless Steel Part #
1"	2.250"	1.125"	.065"	B7WWW-G100P	B7WWW-R100P
1½"	3.312"	1.656"	.065"	B7WWW-G150P	B7WWW-R150P
2"	4.124"	2.062"	.065"	B7WWW-G200P	B7WWW-R200P
21/2"	4.688"	2.344"	.065"	B7WWW-G250P	B7WWW-R250P
3"	5.188"	2.594"	.065"	B7WWW-G300P	B7WWW-R300P
4"	6.876"	3.438"	.083"	B7WWW-G400P	B7WWW-R400P



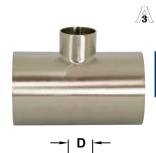
### Long - B7W

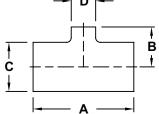
Tube	Dimensions		Wall	Polished ID/OD	Polished ID/OD
OD	А	В	Thickness	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4"	4.000"	2.000"	.065"		B7W-R75P
1"	3.750"	1.875"	.065"	B7W-G100P	B7W-R100P
1½"	4.500"	2.250"	.065"	B7W-G150P	B7W-R150P
2"	6.000"	3.000"	.065"	B7W-G200P	B7W-R200P
2½"	6.000"	3.000"	.065"	B7W-G250P	B7W-R250P
3"	6.500"	3.250"	.065"	B7W-G300P	B7W-R300P
4"	7.750"	3.875"	.083"	B7W-G400P	B7W-R400P



### Reducing - B7RWWW

Tube OD	А	Dimer B	nsions	D	Wall Thick.	Polished ID/OD 304 Stainless Steel Part #	Polished ID/OD 316L Stainless Steel Part #
1½" x 1"	3.312"	1.375"	1.500"	1.000"	.065"	B7RWWW-G150100P	B7RWWW-R150100P
2" x 1"	4.124"	1.625"	2.000"	1.000"	.065"	B7RWWW-G200100P	B7RWWW-R200100P
2" x 1½"	4.124"	1.906"	2.000"	1.500"	.065"	B7RWWW-G200150P	B7RWWW-R200150P
2½" x 1½"	4.688"	2.156"	2.500"	1.500"	.065"	B7RWWW-G250150P	B7RWWW-R250150P
2½" x 2"	4.688"	2.312"	2.500"	2.000"	.065"	B7RWWW-G250200P	B7RWWW-R250200P
3" x 1½"	5.188"	2.406"	3.000"	1.500"	.065"	B7RWWW-G300150P	B7RWWW-R300150P
3" x 2"	5.188"	2.562"	3.000"	2.000"	.065"	B7RWWW-G300200P	B7RWWW-R300200P
4" x 2"	6.876"	3.062"	4.000"	2.000"	.083"	B7RWWW-G400200P	B7RWWW-R400200P
4" x 3"	6.876"	3.094"	4.000"	3.000"	.083"	B7RWWW-G400300P	B7RWWW-R400300P



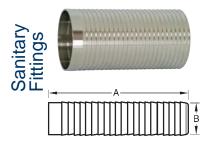


### Weld Adapters

### Long Hose - 14WHRL

### Feature:

• suitable for use with band clamps



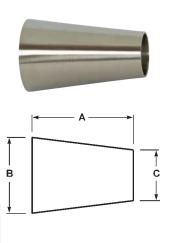
Tube OD	Dimer	nsions	Wall	316L Stainless Steel	
Tube OD	A B		Thickness	Part #	
1"	3.000"	1.030"	.116"	14WHRL-R100	
1½"	4.500"	1.530"	.116"	14WHRL-R150	
2"	4.500"	2.030"	.116"	14WHRL-R200	
2½"	5.000"	2.530"	.116"	14WHRL-R250	
3"	5.000"	3.030"	.116"	14WHRL-R300	
4"	4.875"	4.030"	.116"	14WHRL-R400	

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

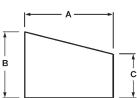


Tube OD	A D	mension B	ns C	Wall Thickness	Polished ID/OD 304 Stainless Steel Part #	Polished ID/OD 316L Stainless Steel Part #
3/4" X 1/2"	1.000"	.750"	.500"	.065"		B31W-R7550P
1" x ½"	2.000"	1.000"	.500"	.065"		B31W-R10050P
1" x ¾"	1.000"	1.000"	.750"	.065"		B31W-R10075P
1½" x ¾"	3.000"	1.500"	.750"	.065"		B31W-R15075P
1½" x 1"	2.000"	1.500"	1.000"	.065"	B31W-G150100P	B31W-R150100P
2" x 1"	4.000"	2.000"	1.000"	.065"	B31W-G200100P	B31W-R200100P
2" x 1½"	2.000"	2.000"	1.500"	.065"	B31W-G200150P	B31W-R200150P
2½" x 1½"	4.000"	2.500"	1.500"	.065"	B31W-G250150P	B31W-R250150P
2½" x 2"	2.000"	2.500"	2.000"	.065"	B31W-G250200P	B31W-R250200P
3" x 1½"	6.000"	3.000"	1.500"	.065"	B31W-G300150P	B31W-R300150P
3" x 2"	4.000"	3.000"	2.000"	.065"	B31W-G300200P	B31W-R300200P
3" x 2½"	2.000"	3.000"	2.500"	.065"	B31W-G300250P	B31W-R300250P
4" x 2"	8.000"	4.000"	2.000"	.083"	B31W-G400200P	B31W-R400200P
4" x 2½"	6.000"	4.000"	2.500"	.083"	B31W-G400250P	B31W-R400250P
4" x 3"	4.000"	4.000"	3.000"	.083"	B31W-G400300P	B31W-R400300P
6" x 3"	5.500"	6.000"	3.000"	.109"	B31W-G600300P	B31W-R600300P
6" x 4"	5.500"	6.000"	4.000"	.109"	B31W-G600400P	B31W-R600400P



### Eccentric - B32W



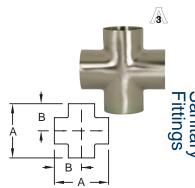


Tube OD	Di	imensio	ns	Wall Thickness	Polished ID/OD 304 Stainless Steel	Polished ID/OD 316L Stainless Steel
	Α	В	С	THICKHESS	Part #	Part #
1" x ½"	2.000"	1.000"	.500"	.065"		B32W-R10050P
2" x 1"	4.000"	2.000"	1.000"	.065"	B32W-G200100P	B32W-R200100P
2" x 1½"	2.000"	2.000"	1.500"	.065"	B32W-G200150P	B32W-R200150P
2½" x 2"	2.000"	2.500"	2.000"	.065"	B32W-G250200P	B32W-R250200P
3" x 2"	4.000"	3.000"	2.000"	.065"	B32W-G300200P	B32W-R300200P
3" x 2½"	2.000"	3.000"	2.500"	.065"	B32W-G300250P	B32W-R300250P
4" x 2"	8.000"	4.000"	2.000"	.083"	B32W-G400200P	B32W-R400200P
4" x 3"	4.000"	4.000"	3.000"	.083"	B32W-G400300P	B32W-R400300P

### Polished Weld Crosses

### Crosses - B9WWWW

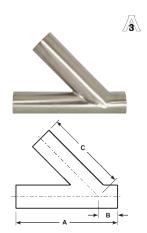
Tube	Dimer	nsions	Wall	Polished ID/OD 304 Stainless Steel	Polished ID/OD 316L Stainless Steel
OD	Α	В	Thickness	Part #	Part #
1½"	3.312"	1.656"	.065"	B9WWWW-G150P	B9WWWW-R150P
2"	4.125"	2.062"	.065"	B9WWWW-G200P	B9WWWW-R200P
3"	5.187"	2.593"	.065"	B9WWWW-G300P	B9WWWW-R300P
4"	6.875"	3.437"	.083"	B9WWWW-G400P	B9WWWW-R400P



### Miscellaneous Polished Weld Configurations

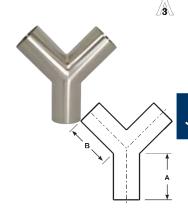
### Laterals - B28WA

Tube OD	Dimensions A B R		1 1		Polished ID/OD 316L Stainless Steel Part #
1"	6.000"	1.000"	5.000"	.065"	B28WA-R100P
1½"	7.375"	1.188"	6.188"	.065"	B28WA-R150P
2"	8.750"	1.625"	7.125"	.065"	B28WA-R200P
2½"	10.000"	1.500"	8.500"	.065"	B28WA-R250P
3"	10.750"	1.875"	8.875"	.065"	B28WA-R300P
4"	12.812"	2.015"	10.750"	.083"	B28WA-R400P



### True Wyes - B28W

Tube OD	Dimer	nsions I	Wall	Polished ID/OD 316L Stainless Steel
	А	В	Thickness	Part #
1"	2.000"	2.438"	.065"	B28W-R100P
1½"	2.000"	2.438"	.065"	B28W-R150P
2"	2.625"	3.250"	.065"	B28W-R200P
2½"	3.370"	4.125"	.065"	B28W-R250P
3"	4.000"	4.875"	.065"	B28W-R300P
4"	5.375"	5.375"	.083"	B28W-R400P



### 180° Return Bends - B2WUL

### Feature:

• bends are standard 1.5 x tube diameter

Tube OD	Dimer	nsions	Polished ID/OD		
	А	В	316L Stainless Steel Part #		
1"	3.000"	2.000"	B2WUL-R100P		
1½"	4.500"	3.000"	B2WUL-R150P		
2"	6.000"	4.000"	B2WUL-R200P		
2½"	7.500"	5.000"	B2WUL-R250P		
3"	9.000"	6.000"	B2WUL-R300P		
4"	12.000"	8.000"	B2WUL-R400P		



### Weld End Blue Protection Covers - BCW

### Feature:

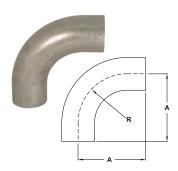
• Use these covers to protect all weld ends on fittings and valves.



Size	Vinyl Plastic Part #
1½"	BCW-050
3⁄4"	BCW-075
1"	BCW-100
1½"	BCW-150
2"	BCW-200
2½"	BCW-250
3"	BCW-300
4"	BCW-400
6"	BCW-600
8"	BCW-800

### **Unpolished Elbows**

### 90° Weld with Tangents - B2S



Tube	Dimer	nsions I	Wall	Unpolished 304 Stainless Steel	Unpolished 316L Stainless Steel
OD	Α	R	Thickness	Part #	Part #
3/4"	3.000"	1.125"	.065"		B2S-R75U
1"	2.062"	1.500"	.065"	B2S-G100U	B2S-R100U
1½"	2.937"	2.250"	.065"	B2S-G150U	B2S-R150U
2"	4.062"	3.000"	.065"	B2S-G200U	B2S-R200U
21/2"	5.187"	3.750"	.065"	B2S-G250U	B2S-R250U
3"	6.312"	4.500"	.065"	B2S-G300U	B2S-R300U
4"	8.312"	6.000"	.083"	B2S-G400U	B2S-R400U

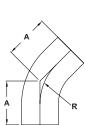
### 90° Weld - B2WCL



Tube OD	Dimer A	nsions R	Wall Thickness	Unpolished 304 Stainless Steel Part #	Unpolished 316L Stainless Steel Part #
1/2"	1.125"	1.125"	.065"		B2WCL-R50U
3/4"	1.125"	1.125"	.065"		B2WCL-R75U
1"	1.500"	1.500"	.065"	B2WCL-G100U	B2WCL-R100U
1½"	2.250"	2.250"	.065"	B2WCL-G150U	B2WCL-R150U
2"	3.000"	3.000"	.065"	B2WCL-G200U	B2WCL-R200U
21/2"	3.750"	3.750"	.065"	B2WCL-G250U	B2WCL-R250U
3"	4.500"	4.500"	.065"	B2WCL-G300U	B2WCL-R300U
4"	6.000"	6.000"	.083"	B2WCL-G400U	B2WCL-R400U
6"	9.000"	9.000"	.109"	B2WCL-G600U	B2WCL-R600U
8"	12.000"	12.000"	.109"	B2WCL-G800U	B2WCL-R800U

### 45° Long Weld with Tangents - B2KS



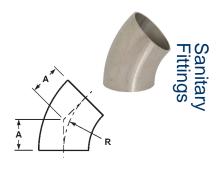


Tube OD	Dimer A	nsions R	Wall Thickness	Unpolished 304 Stainless Steel Part #	Unpolished 316L Stainless Steel Part #
3/4"	2.250"	1.125"	.065"		B2KS-R75U
1"	1.188"	1.500"	.065"	B2KS-G100U	B2KS-R100U
11/2"	1.625"	2.250"	.065"	B2KS-G150U	B2KS-R150U
2"	2.312"	3.000"	.065"	B2KS-G200U	B2KS-R200U
21/2"	3.000"	3.750"	.065"	B2KS-G250U	B2KS-R250U
3"	3.688"	4.500"	.065"	B2KS-G300U	B2KS-R300U
4"	4.812"	6.000"	.083"	B2KS-G400U	B2KS-R400U

### **Unpolished Elbows**

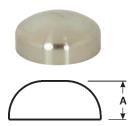
45° Weld - B2WK

Tube	Dimer	nsions I	Wall	Unpolished 304 Stainless Steel	Unpolished 316L Stainless Steel
OD	А	R	Thickness	Part #	Part #
3/4"	.466"	1.125"	.065"		B2WK-R75U
1"	.625"	1.500"	.065"	B2WK-G100U	B2WK-R100U
1½"	.937"	2.250"	.065"	B2WK-G150U	B2WK-R150U
2"	1.250"	3.000"	.065"	B2WK-G200U	B2WK-R200U
2½"	1.562"	3.750"	.065"	B2WK-G250U	B2WK-R250U
3"	1.875"	4.500"	.065"	B2WK-G300U	B2WK-R300U
4"	2.500"	6.000"	.083"	B2WK-G400U	B2WK-R400U
6"	3.750"	9.000"	.109"	B2WK-G600U	B2WK-R600U
8"	5.000"	12.000"	.109"	B2WK-G800U	B2WK-R800U



## Unpolished End Caps - B16W

Tube OD	Dimension A	Unpolished 304 Stainless Steel Part #
1"	.375"	B16W-G100
1½"	.562"	B16W-G150
2"	.750"	B16W-G200
2½"	1.000"	B16W-G250
3"	1.250"	B16W-G300
4"	1.500"	B16W-G400



## **Unpolished Adapters**

#### Male NPT x Weld End - B19WB

Tube OD	Dimension A	Wall Thickness	304 Stainless Steel Part #
1"	1.750"	.065"	B19WB-G100
1½"	1.750"	.065"	B19WB-G150
2"	1.812"	.065"	B19WB-G200
21/2"	2.312"	.065"	B19WB-G250
3"	2.500"	.065"	B19WB-G300
4"	2.562"	.083"	B19WB-G400





#### Female NPT x Weld End - B22WB

Tube OD	Dimension A	Wall Thickness	304 Stainless Steel Part #
1"	1.750"	.065"	B22WB-G100
1½"	1.750"	.065"	B22WB-G150
2"	1.812"	.065"	B22WB-G200
2½"	2.312"	.065"	B22WB-G250
3"	2.500"	.065"	B22WB-G300
4"	2.500"	.083"	B22WB-G400



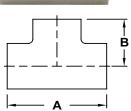


## **Unpolished Tees**

### Short Weld - B7WWW

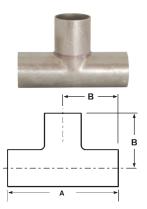






Tube	Dimer	nsions	Wall	Unpolished 304 Stainless Steel	Unpolished 316L Stainless Steel
OD	Α	В	Thickness	Part #	Part #
1"	2.250"	1.125"	.065"	B7WWW-G100U	B7WWW-R100U
1½"	3.312"	1.656"	.065"	B7WWW-G150U	B7WWW-R150U
2"	4.124"	2.062"	.065"	B7WWW-G200U	B7WWW-R200U
21/2"	4.688"	2.344"	.065"	B7WWW-G250U	B7WWW-R250U
3"	5.188"	2.594"	.065"	B7WWW-G300U	B7WWW-R300U
4"	6.876"	3.438"	.083"	B7WWW-G400U	B7WWW-R400U

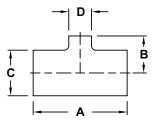
#### Long Weld - B7W



Tube OD	Dimer A	nsions B	Wall Thickness	Unpolished 304 Stainless Steel Part #	Unpolished 316L Stainless Steel Part #
3/4"	4.000"	2.000"	.065"		B7W-R75U
1"	3.750"	1.875"	.065"	B7W-G100U	B7W-R100U
1½"	4.500"	2.250"	.065"	B7W-G150U	B7W-R150U
2"	6.000"	3.000"	.065"	B7W-G200U	B7W-R200U
21/2"	6.000"	3.000"	.065"	B7W-G250U	B7W-R250U
3"	6.500"	3.250"	.065"	B7W-G300U	B7W-R300U
4"	7.750"	3.875"	.083"	B7W-G400U	B7W-R400U

### Reducing Weld - B7RWWW





Tube OD	А	Dimer B	nsions C	D	Wall Thickness	Unpolished 304 Stainless Steel Part #	Unpolished 316L Stainless Steel Part #
1½" x 1"	3.312"	1.375"	1.500"	1.000"	.065"	B7RWWW-G150100U	B7RWWW-R150100U
2" x 1"	4.124"	1.625"	2.000"	1.000"	.065"	B7RWWW-G200100U	B7RWWW-R200100U
2" x 1½"	4.124"	1.906"	2.000"	1.500"	.065"	B7RWWW-G200150U	B7RWWW-R200150U
2½" x 1½"	4.688"	2.156"	2.500"	1.500"	.065"	B7RWWW-G250150U	B7RWWW-R250150U
2½" x 2"	4.688"	2.312"	2.500"	2.000"	.065"	B7RWWW-G250200U	B7RWWW-R250200U
3" x 1½"	5.188"	2.406"	3.000"	1.500"	.065"	B7RWWW-G300150U	B7RWWW-R300150U
3" x 2"	5.188"	2.562"	3.000"	2.000"	.065"	B7RWWW-G300200U	B7RWWW-R300200U
4" x 2"	6.876"	3.062"	4.000"	2.000"	.083"	B7RWWW-G400200U	B7RWWW-R400200U
4" x 3"	6.876"	3.094"	4.000"	3.000"	.083"	B7RWWW-G400300U	B7RWWW-R400300U

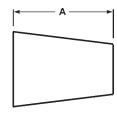
# Sanitar Fittings

### Unpolished Weld Reducers

#### Concentric - B31W

Tube OD	Dimension A	Wall Thickness	Unpolished 304 Stainless Steel Part #	Unpolished 316L Stainless Steel Part #
3/4" X 1/2"	1.000"	.065"		B31W-R7550U
1" x ½"	2.000"	.065"		B31W-R10050U
1" x ¾"	1.000"	.065"		B31W-R10075U
1½" x ¾"	3.000"	.065"		B31W-R15075U
1½" x 1"	2.000"	.065"	B31W-G150100U	B31W-R150100U
2" x 1"	4.000"	.065"	B31W-G200100U	B31W-R200100U
2" x 1½"	2.000"	.065"	B31W-G200150U	B31W-R200150U
2½" x 1½"	4.000"	.065"	B31W-G250150U	B31W-R250150U
2½" x 2"	2.000"	.065"	B31W-G250200U	B31W-R250200U
3" x 1½"	6.000"	.065"	B31W-G300150U	B31W-R300150U
3" x 2"	4.000"	.065"	B31W-G300200U	B31W-R300200U
3" x 2½"	2.000"	.065"	B31W-G300250U	B31W-R300250U
4" x 2"	8.000"	.083"	B31W-G400200U	B31W-R400200U
4" x 2½"	6.000"	.083"	B31W-G400250U	B31W-R400250U
4" x 3"	4.000"	.083"	B31W-G400300U	B31W-R400300U
6" x 4"	5.500"	.109"	B31W-G600400U	B31W-R600400U

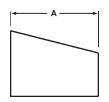




Eccentric - B32W

Tube OD	Dimension A	Wall Thickness	Unpolished <i>304 Stainless Steel</i> Part #	Unpolished 316L Stainless Steel Part #
1" x ½"	2.000"	.065"		B32W-R10050U
2" x 1"	4.000"	.065"	B32W-G200100U	B32W-R200100U
2" x 1½"	2.000"	.065"	B32W-G200150U	B32W-R200150U
2½" x 2"	2.000"	.065"	B32W-G250200U	B32W-R250200U
3" x 2"	4.000"	.065"	B32W-G300200U	B32W-R300200U
3" x 2½"	2.000"	.065"	B32W-G300250U	B32W-R300250U
4" x 2"	8.000"	.083"	B32W-G400200U	B32W-R400200U
4" x 3"	4.000"	.083"	B32W-G400300U	B32W-R400300U





## Unpolished Type A Stub Ends - 14VB

#### Application:

• typically used with B38SL flanges

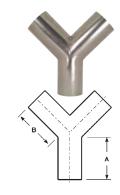
Tube OD	٨	I	nsions	l 5	316L Stainless Steel Part #
	Α	В	С	D	I dit #
1"	1.625"	2.000"	1.000"	.065"	14VB-R100
1½"	1.750"	2.875"	1.500"	.065"	14VB-R150
2"	1.500"	3.625"	2.000"	.065"	14VB-R200
2½"	2.000"	4.125"	2.500"	.065"	14VB-R250
3"	2.250"	5.000"	3.000"	.065"	14VB-R300
4"	2.625"	6.187"	4.000"	.083"	14VB-R400
6"	3.000"	8.500"	6.000"	.109"	14VB-R600
8"	3.000"	10.625"	8.000"	.109"	14VB-R800



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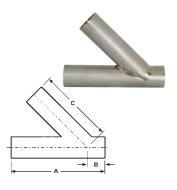
### **Unpolished Miscellaneous Configurations**

#### Weld True Wyes - B28W



Tube OD	Dimensions A B		Wall Thickness	Unpolished 316L Stainless Steel Part #
1" 1½" 2" 2½" 3" 4"	2.000" 2.000" 2.625" 3.370" 4.000" 5.375"	2.438" 2.438" 3.250" 4.125" 4.875" 5.375"	.065" .065" .065" .065" .065"	B28W-R100U B28W-R150U B28W-R200U B28W-R250U B28W-R300U B28W-R400U

#### Weld Laterals - B28WA

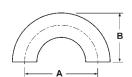


Tube OD	A D	imensior B	ns R	Wall Thickness	Unpolished 316L Stainless Steel Part #
1"	6.000"	1.000"	5.000"	.065"	B28WA-R100U
11/2"	7.375"	1.188"	6.188"	.065"	B28WA-R150U
2"	8.750"	1.625"	7.125"	.065"	B28WA-R200U
21/2"	10.000"	1.500"	8.500"	.065"	B28WA-R250U
3"	10.750"	1.875"	8.875"	.065"	B28WA-R300U
4"	12.812"	2.015"	10.750"	.083"	B28WA-R400U

#### Weld 180° Return Bends - B2WUL



• bends are standard 1.5 x tube diameter



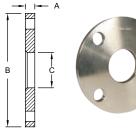
	Tube OD	Dimensions		Wall	Unpolished 316L Stainless Steel	
	Tube OD	А	В	Thickness	Part #	
	1"	3.000"	2.000"	.065"	B2WUL-R100U	
	1½"	4.500"	3.000"	.065"	B2WUL-R150U	
	2"	6.000"	4.000"	.065"	B2WUL-R200U	
	3"	9.000"	6.000"	.065"	B2WUL-R300U	
	4"	12.000"	8.000"	.083"	B2WUL-R400U	

See page 610 for weld end protection covers.

### Unpolished - Flanges

### Slip-On 150# - B38SL

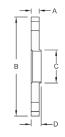
Tube OD	D A	imensior B	i	Number / Diameter Bolt Holes	Bolt Circle	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.375"	4.250"	1.063"	4/.625"	3.125"	B38SL-G100	B38SL-R100
1½"	.375"	5.000"	1.563"	4/.625"	3.875"	B38SL-G150	B38SL-R150
2"	.437"	6.000"	2.063"	4/.750"	4.750"	B38SL-G200	B38SL-R200
3"	.500"	7.500"	3.063"	4/.750"	6.000"	B38SL-G300	B38SL-R300
4"	.562"	9.000"	4.063"	8/.750"	7.500"	B38SL-G400	B38SL-R400
6"	.562"	11.000"	6.063"	8/.875"	9.500"	B38SL-G600	B38SL-R600
8"	.562"	13.500"	8.063"	8/.875"	11.750"	B38SL-G800	B38SL-R800





#### Weld Neck - B38W

Tube OD	А	Dimer B	nsions C	D	Number / Diameter Bolt Holes	Bolt Circle	316L Stainless Steel Part #
1"	.375"	4.250"	1.000"	.500"	4/.625"	3.125"	B38W-R100
1½"	.375"	5.000"	1.500"	.500"	4/.625"	3.875"	B38W-R150
2"	.500"	6.000"	2.000"	.625"	4/.750"	4.750"	B38W-R200
21/2"	.500"	7.000"	2.500"	.625"	4/.750"	5.500"	B38W-R250
3"	.500"	7.500"	3.000"	.625"	4/.750"	6.000"	B38W-R300
4"	.500"	9.000"	4.000"	.625"	8/.750"	7.500"	B38W-R400
6"	.500"	11.000"	6.000"	.625"	8/.875"	9.500"	B38W-R600
8"	.500"	13.500"	8.000"	.625"	8/.875"	11.750"	B38W-R800





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

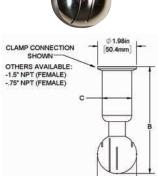
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#### Spray Balls

#### **Rotating - SRH**

# Sanitary Fittings





#### 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	Туре	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4"	NPT	SRH360NPT-G075	
1½"	NPT		SRH360NPT-R150
1½"	clamp	SRH360CMP-G150	SRH360CMP-R150

#### **Stationary - STC**

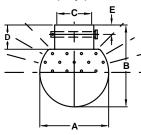
#### Application:

• typicaly used in food and beverage industries for cleaning storage tanks

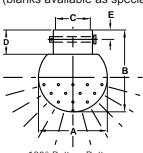
#### Features:

- 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)

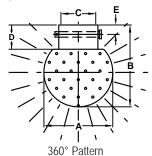




180° Top Pattern



180° Bottom Pattern



-	Pin	Spray	Dimensions			ı	Pin	316L Stainless Steel	
Siz	Length		Α	В	С	D	Е	Size	Part #
1"	1.47"	360°	2.50"	3.04"	1.005"	.975"	.445"	.226"	STC-360-R100
11/2	"   1.95"	360°	2.95"	3.55"	1.505"	1.050"	.445"	.226"	STC-360-R150
1"	1.47"	180° bottom	3.54"	2.95"	1.005"	.975"	.445"	.226"	STC-180B-R100
11/2	"   1.95"	180° bottom	3.54"	2.95"	1.505"	.975"	.445"	.226"	STC-180B-R150
1"	1.47"	180° top	3.54"	2.95"	1.005"	.975"	.445"	.226"	STC-180T-R100
11/2	"   1.95"	180° top	3.54"	2.95"	1.505"	.975"	.445"	.226"	STC-180T-R150

#### **Repair Kits**

#### Repair kit contains:

- . (1) pin
- (1) R clip

Size	Part #
1"	STC-RK100
1½"	STC-RK150

#### Sight Glasses

#### Features:

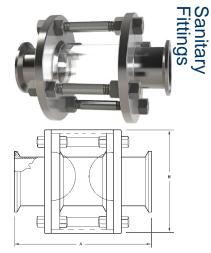
- 1" 6" OD tube
- body: 316L stainless steel
- sight glass: Borosilicate glass or polycarbonate
- gaskets: white Buna or FKM
- 32R<sub>a</sub> sanitary finish, ID and OD

#### 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	А	В	Working Pressure (PSI)	316L Stainless Steel Borosilicate Glass Part Number	316 Stainless Steel Polycarbonate Part Number
1"	5.625"	3.250"	145	B54BMP-R100	B54BMP-R100LX
	0.020	] 5.250	173	D3+D1111 -11100	DOTDINI -ICTOOLX
1½"	5.625"	4.000"	145	B54BMP-R150	B54BMP-R150LX
2"	5.625"	4.250"	145	B54BMP-R200	B54BMP-R200LX
21/2"	6.125"	4.750"	120	B54BMP-R250	B54BMP-R250LX
3"	7.250"	5.500"	120	B54BMP-R300	B54BMP-R300LX
4"	7.375"	6.500"	95	B54BMP-R400	B54BMP-R400LX
6"	7.625"	9.500"	80	B54BMP-R600	B54BMP-R600LX



#### **Kits and Replacement Parts**

Size	<i>Buna Seal Kit</i> Part Number	FKM Seal Kit Part Number	Borosilicate Glass Replacement Part Number	Polycarbonate Replacement Part Number
1"	B54BMP-SK100	B54BMP-VK100	B54G-P100	B54BMP-LX100
11/2"	B54BMP-SK150	B54BMP-VK150	B54G-P150	B54BMP-LX150
2"	B54BMP-SK200	B54BMP-VK200	B54G-P200	B54BMP-LX200
21/2"	B54BMP-SK250	B54BMP-VK250	B54G-P250	B54BMP-LX250
3"	B54BMP-SK300	B54BMP-VK300	B54G-P300	B54BMP-LX300
4"	B54BMP-SK400	B54BMP-VK400	B54G-P400	B54BMP-LX400
6"	B54BMP-SK600	B54BMP-VK600	B54G-P600	B54BMP-LX600

Seal kit contains: (2) white Buna gaskets

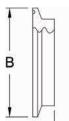
#### End Caps - B5416MP

#### Feature:

- for use on any line with a clamp and gasket
- maximum temperature: 150°F (66°C)
- maximum operating pressure: 100 PSI

Tube OD	А	В	<i>Acrylic Plastic</i> Part Number
1" - 1½"	.438"	1.984"	B5416MP-A100150
2"	.438"	2.516"	B5416MP-A200
2½"	.438"	3.047"	B5416MP-A250
3"	.438"	3.579"	B5416MP-A300
4"	.438"	4.682"	B5416MP-A400
6"	.438"	6.562"	B5416MP-A600





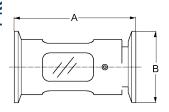
#### **Compact Sight Glasses**

#### 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



Tube OD	Dimensions I		316 Stainless Steel Polycarbonate	316 Stainless Steel Borosilicate Glass
	А	В	Part #	Part #
1"	3.375"	1.985"	B54BMPLX-R100	B54BMPS-R100
1½"	3.640"	1.985"	B54BMPLX-R150	B54BMPS-R150
2"	3.830"	2.516"	B54BMPLX-R200	B54BMPS-R200
3"	4.130"	3.579"	B54BMPLX-R300	B54BMPS-R300
4"	4.340"	4.682"	B54BMPLX-R400	B54BMPS-R400

#### **Seal Kits**



Size	Buna Seal Kit	FKM Seal Kit
5126	Part Number	Part Number
1"	B54BMP-SK100	B54BMP-VK100
1½"	B54BMP-SK150	B54BMP-VK150
2"	B54BMP-SK200	B54BMP-VK200
3"	B54BMP-SK300	B54BMP-VK300
4"	B54BMP-SK400	B54BMP-VK400

#### **Replacement Glasses**



Size	Polycarbonate Replacement	Borosilicate Glass Replacement
<b>C</b> 120	Part Number	Part Number
1"	B54BMP-LX100	B54BMP-GL100
1½"	B54BMP-LX150	B54BMP-GL150
2"	B54BMP-LX200	B54BMP-GL200
3"	B54BMP-LX300	B54BMP-GL300
<b>4</b> "	B54BMP-I X400	R54RMP-GI 400





#### 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

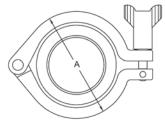
Size	Di A	mensio	ns C	Pressure Rating PSI @ 70°F (21°C)	Pressure Rating PSI @ 250°F (121°C)	316L Stainless Steel Part #
1"	2.56"	3.00"	1.00"	500	300	SJSS100CC-20
1½"	2.56"	3.00"	1.50"	500	300	SJSS150CC-20
2"	3.09"	3.00"	2.00"	450	250	SJSS200CC-20
21/2"	3.44"	3.00"	2.50"	400	200	SJSS250CC-20
3"	3.94"	3.00"	3.00"	350	175	SJSS300CC-20
4"	5.08"	4.19"	4.00"	300	150	SJSS400CC-20

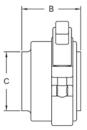
#### straight weld connection - style 20

	Di	mensio	ns	Pressure Rating	Pressure Rating	316L Stainless Steel
Size	А	В	С	PSI @ 70°F (21°C)	PSI @ 250°F (121°C)	Part #
1"	2.56"	2.00"	1.00"	500	300	SJSS100BB-20
1½"	2.56"	2.00"	1.50"	500	300	SJSS150BB-20
2"	3.09"	2.00"	2.00"	450	250	SJSS200BB-20
21/2"	3.44"	2.00"	2.50"	400	200	SJSS250BB-20
3"	3.94"	2.00"	3.00"	350	175	SJSS300BB-20
4"	5.08"	2.94"	4.00"	300	150	SJSS400BB-20



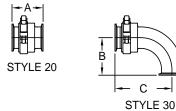


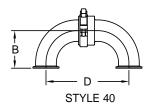


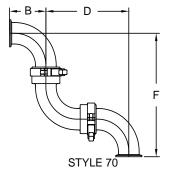


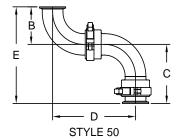
· dimensional information can be found at dixonvalve.com

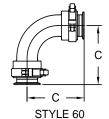
## Configurations











**Clamp Joint Dimensions** 

Size	А	В	С	D	E	F	Part Number
1"	3.00"	2.00"	4.00"	5.00"	6.00"	7.00"	SJSS100CC-*
1½"	3.00"	2.75"	4.75"	6.50"	7.50"	9.25"	SJSS150CC-*
2"	3.00"	3.50"	5.50"	8.00"	9.00"	11.50"	SJSS200CC-*
2½"	3.00"	4.25"	6.25"	9.50"	10.50"	13.75"	SJSS250CC-*
3"	3.00"	5.00"	7.00"	11.00"	12.00"	16.00"	SJSS300CC-*
4"	5.19"	6.63"	9.63"	14.94"	15.94"	21.56"	SJSS400CC-*

<sup>\*</sup> For all other styles, please contact Dixon Sanitary 800.789.1718



#### Features:

accuracy: ± 1.5% of full scaleover range capacity: 30%

• wetted surfaces: 316L stainless steel

• surface finishes (wetted parts): R<sub>a</sub> max = 25 microinches

• case material: 304 stainless steel

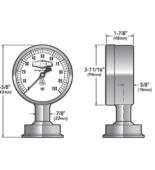
• dial size: 31/2"

• lens material: polycarbonate

• temperature range: 0°F (-18°C) to 250°F (121°C)

standard fill: food grade glycerinrezero feature: standard on pointer

• shipping weight: approximately 3 lbs. (1.3 kg)





Dial Size	Clamp Size	Pressure Range (PSI)	Mount	316L Stainless Steel Part #
	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
01/#	1½"	0-300	back	3S-G-15U-GFBKSS
3½"	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, ¼" perforated back-up tube, squeeze clamp, inlet and outlet bodies
- must be verticaly 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)

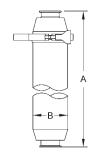
#### short

Size	Dimer	nsions	316L Stainless Steel	
Size	А	В	Part #	
1"	15.75"	4.00"	BSCCQ1-R100	
1½"	15.75"	4.00"	BSCCQ1-R150	
2"	15.75"	4.00"	BSCCQ1-R200	
21/2"	15.75"	4.50"	BSCCS1-R250	
3"	15.75"	4.50"	BSCCS1-R300	

#### long

Size	Dimer	nsions	316L Stainless Steel	
Size	А	В	Part #	
1½"	35.375"	4.00"	BSCCQ2-R150	
2"	35.375"	4.00"	BSCCQ2-R200	
3"	35.375"	4.50"	BSCCS2-R300	



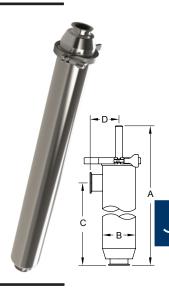


#### Side-Entry - BSCCQ

#### Features:

- ships standard with: spring, end cap with handle, distributor cap, clamp gasket, ¼" perforated back-up tube, body and squeeze clamp
- · serviceable without removing from the line
- must be a verticaly 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		Dimer	nsions	316L Stainless Steel	
3126	А	В	B   C   D	Part #	
1½"	41.90"	4.00"	35.00"	3.50"	BSCCQ3-R150
2"	41.90"	4.00"	35.00"	3.50"	BSCCQ3-R200
3"	41.90"	4.50"	35.00"	3.75"	BSCCQ3-R300

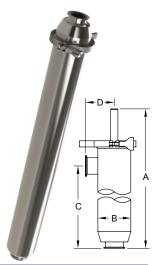


#### Side-Outlet Reverse - BSCCQ

#### Features:

- ships standard with: spring, end cap with handle, distributor cap, clamp gasket, ¼" 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		Dimer	nsions	316L Stainless Steel	
Size	А	В	С	D	Part #
1½"	41.90"	4.00"	35.00"	3.50"	BSCCQ4-R150
2"	41.90"	4.00"	35.00"	3.50"	BSCCQ4-R200
3"	41.90"	4.50"	35.00"	3.75"	BSCCQ4-R300



#### 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 #
Sanitary Fittings	1" - 2"	38	nonwoven rayon (glued seam)	BF30A-100-200
	2½" - 3"	38	nonwoven rayon (glued seam)	BF30A-250-300
E E	1" - 2"	513	woven knapped cotton flannel	BF30B-100-200
ΰШ	2½" - 3"	513	woven knapped cotton flannel	BF30B-250-300
	1" - 2"	300	cheese cloth, single thickness cotton	BF30C-100-200
	2½" - 3"	300	cheese cloth, single thickness cotton	BF30C-250-300
	1" - 2"	765	nylon, 26/29 mesh, rectangular opening, (.025 x .030)	BF30D-100-200
	2½" - 3"	765	nylon, 26/29 mesh, rectangular opening, (.025 x .030)	BF30D-250-300
	1" - 2"	40-42	nonwoven rayon	BF30E-100-200
	2½" - 3"	40-42	nonwoven rayon	BF30E-250-300
	1" - 2"	40	nonwoven rayon	
	1" - 2"	420	woven nylon, 40 mesh	BF30G-100-200
	2½" - 3"	420	woven nylon, 40 mesh	BF30G-250-300
_			long	·
	Size	Micron	Description	Part #
_		Rating	<u> </u>	
	1" - 2"	40-42	nonwoven rayon	BF302E-100-200
	2½" - 3"	40-42	nonwoven rayon	BF302E-250-300
	2½" - 3"	420	woven nylon, 40 mesh	BF302G-250-300

Features:

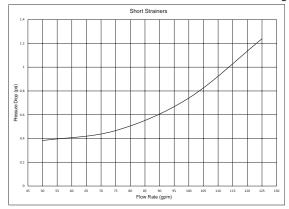
#### 316 Stainless Wire Cloth Mesh Over Screens

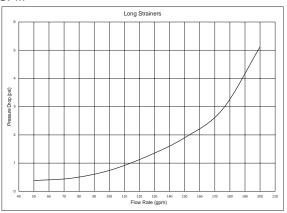
- not all sizes are stocked, additional sizes are available (5 piece minimum), call Dixon®
- not 3A compatible, not included with base unit

Size	Micron Rating	Square Mesh	Space Between Wires	Percent of Open Area	Short Part #	Long Part #
1" - 2"	864	20	0.034"	46.2	BS20-100-200	BS202-100-200
2½" - 3"	864	20	0.034"	46.2	BS20-250-300	BS202-250-300
1" - 2"	381	40	0.015"	36.0	BS40-100-200	BS402-100-200
2½" - 3"	381	40	0.015"	36.0	BS40-250-300	BS402-250-300
1" - 2"	229	60	0.009"	30.3	BS60-100-200	BS602-100-200
2½" - 3"	229	60	0.009"	30.3	BS60-250-300	BS602-250-300
1" - 2"	178	80	0.007"	31.4	BS80-100-200	BS802-100-200
2½" - 3"	178	80	0.007"	31.4	BS80-250-300	BS802-250-300
1" - 2"	140	100	0.006"	30.3	BS100-100-200	BS1002-100-200
2½" - 3"	140	100	0.006"	30.3	BS100-250-300	BS1002-250-300

#### **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





# Sanita: Fittings

#### **Tube Hangers**

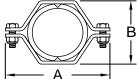
#### Hex with ABS Sleeve - B24PS

#### Feature:

• maximum temperature: 230°F (110°C)

Tube OD	Dimer	nsions	304 Stainless Steel
Tube OD	А	В	Part #
1/2"	2.800"	1.150"	B24PS-G50
3/4"	2.800"	1.150"	B24PS-G75
1"	3.425"	1.450"	B24PS-G100
1½"	4.000"	2.125"	B24PS-G150
2"	4.500"	2.500"	B24PS-G200
2½"	4.950"	3.125"	B24PS-G250
3"	5.500"	3.750"	B24PS-G300
4"	6.950"	4.750"	B24PS-G400
5"	8.063"	5.625"	B24PS-G500
6"	9.250"	6.625"	B24PS-G600
8"	11.500"	8.625"	B24PS-G800





#### Hex with High Temperature Polysulfone Sleeve - B24HS

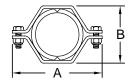


#### Specification:

• high temperature sleeve maximum temperature: 325°F (163°C)

Tube	Dimer	nsions	304 Stainless Steel
OD	A	В	Part Number
1/2"	2.375"	1.062"	B24HS-G50
3/4"	2.625"	1.188"	B24HS-G75
1"	2.688"	1.563"	B24HS-G100
11/2"	3.625"	2.125"	B24HS-G150
2"	4.625"	2.625"	B24HS-G200
21/2"	4.813"	3.125"	B24HS-G250
3"	5.375"	3.625"	B24HS-G300
4"	6.625"	4.625"	B24HS-G400
6"	9.000"	6.625"	B24HS-G600





#### Sleeves - 13PS

#### Features:

• maximum temperature: 230°F (110°C)

• high temperature sleeves are also available, contact Dixon®

Size	<i>ABS</i> Part #	High Temperature Part #
1/2"	13PS-50	13HS-50
3/4"	13PS-75	13HS-75
1"	13PS-100	13HS-100
1½"	13PS-150	13HS-150
2"	13PS-200	13HS-200
2½"	13PS-250	13HS-250
3"	13PS-300	13HS-300
4"	13PS-400	13HS-400
5"	13PS-500	
6"	13PS-600	13HS-600
8"	13PS-800	





J

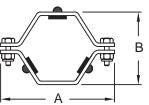
#### **Tube Hangers**

#### Hex with Nitrile Grommets - B24RG

#### Features:

- replacement grommets are available, contact Dixon<sup>®</sup>
- nitrile grommets; maximum temperature: 230°F (110°C)





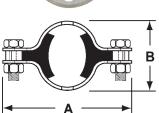
		<del>-</del>		
Tube OD	Dimensions		304 Stainless Steel	
	Α	В	Part #	
1/2" - 3/4"	3.425"	1.450"	B24RG-G75	
1"	3.425"	1.450"	B24RG-G100	
1½"	4.000"	2.125"	B24RG-G150	
2"	4.500"	2.500"	B24RG-G200	
2½"	4.950"	3.125"	B24RG-G250	
3"	5.500"	3.750"	B24RG-G300	
4"	6.950"	4.750"	B24RG-G400	
5"	8.000"	5.625"	B24RG-G500	
6"	9.250"	6.625"	B24RG-G600	
8"	11.500"	8.625"	B24RG-G800	

#### Round with Nitrile Inserts - B24RPH

#### Feature:

- · Nitrile inserts
- maximum temperature: 230°F (110°C)





Tube OD         Dimensions         304 Stainless Steel           A         B         Part #           ½"         2.750"         1.125"         B24RPH-G50           ¾"         2.750"         1.125"         B24RPH-G75	(110-0)						
7				Tube OD			
3/4" 2.750" 1.125" <b>B24RPH-G75</b>	B24RPH-G50	1.125"	2.750"	1/2"			
	B24RPH-G75	1.125"	2.750"	3/4"			
1" 3.310" 1.500" <b>B24RPH-G100</b>	B24RPH-G100	1.500"	3.310"	1"			
1½" 3.810" 2.000" <b>B24RPH-G150</b>	B24RPH-G150	2.000"	3.810"	1½"			
2" 4.250" 2.562" <b>B24RPH-G200</b>	B24RPH-G200	2.562"	4.250"	2"			
2½" 5.000" 3.000" <b>B24RPH-G250</b>	B24RPH-G250	3.000"	5.000"	2½"			
3" 5.500" 3.562" <b>B24RPH-G300</b>	B24RPH-G300	3.562"	5.500"	3"			
4" 6.500" 4.688" <b>B24RPH-G400</b>	B24RPH-G400	4.688"	6.500"	4"			

#### Features:

#### Nuts and Bolts - 13NHN

- hex hangers with grommets and round hangers 1" to 4" use 13NHN-G100-600 fastener sets
- ½" and ¾" round and sleeved hangers use 13NHN-G75 fastener sets
- 2 nuts and bolts supplied to a set

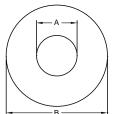




Size	Description	304 Stainless Steel Part #
	1/4"-20 x 3/4" bolt with nylock nut 5/16"-18 x 1" bolt with nylock nut	13NHN-G75 13NHN-G100-600







Tube OD	Dimer	Wall		
Tube OD	Α	В	Thickness	
1/2"	.50"	3.00"	.065"	
1/2"	.50"	5.00"	.065"	
3/4"	.75"	3.00"	.065"	
3/4"	.75"	5.00"	.065"	
1"	1.00"	3.00"	.065"	
1"	1.00"	5.00"	.065"	
1½"	1.50"	5.00"	.065"	
2"	2.00"	5.00"	.065"	
2½"	2.50"	5.00"	.065"	
3"	3.00"	6.00"	.065"	
4"	4.00"	7.00"	.065"	
5"	5.00"	8.00"	.065"	
6"	6.00"	10.00"	.065"	
8"	8.00"	12.00"	.065"	
10"	10.00"	14.00"	.065"	
12"	12.00"	16.00"	.065"	

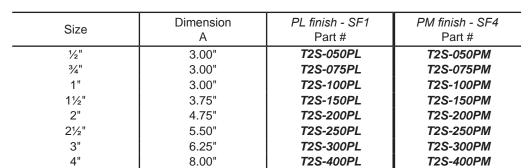
B25-G12001600

304 Stainless Steel Part # B25-G050300 B25-G050500 B25-G075300 B25-G075500 B25-G100300

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#### High Purity BioPharm Fittings

#### 90° Weld Elbows - T2S





BPE Table DT-4.1.1-1

#### 90° Clamp x Weld Elbows - T2CM

Size	Dimensions		PL finish - SF1	PM finish - SF4
Size	A	В	Part #	Part #
1/2"	3.00"	1.625"	T2CM-050PL	T2CM-050PM
3/4"	3.00"	1.625"	T2CM-075PL	T2CM-075PM
1"	3.00"	2.000"	T2CM-100PL	T2CM-100PM
1½"	3.75"	2.750"	T2CM-150PL	T2CM-150PM
2"	4.75"	3.500"	T2CM-200PL	T2CM-200PM
2½"	5.50"	4.250"	T2CM-250PL	T2CM-250PM
3"	6.25"	5.000"	T2CM-300PL	T2CM-300PM
4"	8.00"	6.625"	T2CM-400PL	T2CM-400PM



BPE Table DT-4.1.1-2

#### 90° Clamp x Clamp Elbows - T2CMP

Size	Dimension A	<i>PL finish - SF1</i> Part #	<i>PM finish - SF4</i> Part #
1/2"	1.625"	T2CMP-050PL	T2CMP-050PM
3/4"	1.625"	T2CMP-075PL	T2CMP-075PM
1"	2.000"	T2CMP-100PL	T2CMP-100PM
1½"	2.750"	T2CMP-150PL	T2CMP-150PM
2"	3.500"	T2CMP-200PL	T2CMP-200PM
2½"	4.250"	T2CMP-250PL	T2CMP-250PM
3"	5.000"	T2CMP-300PL	T2CMP-300PM
4"	6.625"	T2CMP-400PL	T2CMP-400PM



BPE Table DT-4.11.1-3

#### 45° Weld Elbows - T2KS

Size	Dimension A	PL finish - SF1 Part #	<i>PM finish - SF4</i> Part #
1/2"	2.250"	T2KS-050PL	T2KS-050PM
3/4"	2.250"	T2KS-075PL	T2KS-075PM
1"	2.250"	T2KS-100PL	T2KS-100PM
1½"	2.500"	T2KS-150PL	T2KS-150PM
2"	3.000"	T2KS-200PL	T2KS-200PM
21/2"	3.375"	T2KS-250PL	T2KS-250PM
3"	3.625"	T2KS-300PL	T2KS-300PM
4"	4.500"	T2KS-400PL	T2KS-400PM



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

 $\mathsf{OD} = 32\mathsf{R}_{\mathsf{a}}$  Mechanically Polished

ID = 15R<sub>a</sub> Mechanically Polished and Electropolished





#### 45° Clamp x Weld Elbows - T2KM





BPE Table DT-4.1.1-5

	Dimer	nsions	PL finish - SF1	PM finish - SF4
Size	A	В	Part #	Part #
1/2"	2.250"	1.000"	T2KM-050PL	T2KM-050PM
3/4"	2.250"	1.000"	T2KM-075PL	T2KM-075PM
1"	2.250"	1.125"	T2KM-100PL	T2KM-100PM
1½"	2.500"	1.438"	T2KM-150PL	T2KM-150PM
2"	3.000"	1.750"	T2KM-200PL	T2KM-200PM
21/2"	3.375"	2.063"	T2KM-250PL	T2KM-250PM
3"	3.625"	2.380"	T2KM-300PL	T2KM-300PM
4"	4.500"	3.125"	T2KM-400PL	T2KM-400PM

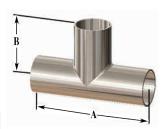
#### 45° Clamp x Clamp Elbows - T2KMP



BPE Table DT-4.1.1-6

Size	Dimension A	<i>PL finish - SF1</i> Part #	<i>PM finish - SF4</i> Part #
1/2"	1.000"	T2KMP-050PL	T2KMP-050PM
3/4"	1.000"	T2KMP-075PL	T2KMP-075PM
1"	1.125"	T2KMP-100PL	T2KMP-100PM
1½"	1.438"	T2KMP-150PL	T2KMP-150PM
2"	1.750"	T2KMP-200PL	T2KMP-200PM
2½"	2.063"	T2KMP-250PL	T2KMP-250PM
3"	2.380"	T2KMP-300PL	T2KMP-300PM
4"	3.125"	T2KMP-400PL	T2KMP-400PM

#### Weld x Weld x Weld Tees - T7WWW



BPE Table DT-4.1.2-1

	Dime	nsions	PL finish - SF1	PM finish - SF4
Size	Α	В	Part #	Part #
1/2"	3.750"	1.875"	T7WWW-050PL	T7WWW-050PM
3/4"	4.000"	2.000"	T7WWW-075PL	T7WWW-075PM
1"	4.250"	2.125"	T7WWW-100PL	T7WWW-100PM
1½"	4.750"	2.375"	T7WWW-150PL	T7WWW-150PM
2"	5.750"	2.875"	T7WWW-200PL	T7WWW-200PM
2½"	6.250"	3.125"	T7WWW-250PL	T7WWW-250PM
3"	6.750"	3.375"	T7WWW-300PL	T7WWW-300PM
4"	8.250"	4.125"	T7WWW-400PL	T7WWW-400PM

#### Weld x Weld x Weld Reducing Tees - T7RWWW



BPE Table DT-4.1.2-6

Size	Dimensions		PL finish - SF1	PM finish - SF4		
3126	A	В	Part #	Part #		
3/4" X 1/2"	4.000"	2.000"	T7RWWW-075050PL	T7RWWW-075050PM		
1" x ½"	4.250"	2.125"	T7RWWW-100050PL	T7RWWW-100050PM		
1" x ¾"	4.250"	2.125"	T7RWWW-100075PL	T7RWWW-100075PM		
1½" x ½"	4.750"	2.375"	T7RWWW-150050PL	T7RWWW-150050PM		
1½" x ¾"	4.750"	2.375"	T7RWWW-150075PL	T7RWWW-150075PM		
1½" x 1"	4.750"	2.375"	T7RWWW-150100PL	T7RWWW-150100PM		
2" x ½"	5.750"	2.625"	T7RWWW-200050PL	T7RWWW-200050PM		
2" x ¾"	5.750"	2.625"	T7RWWW-200075PL	T7RWWW-200075PM		
2" x 1"	5.750"	2.625"	T7RWWW-200100PL	T7RWWW-200100PM		
2" x 1½"	5.750"	2.625"	T7RWWW-200150PL	T7RWWW-200150PM		

PL Finish - SF1  ${
m OD} = 32{
m R}_{
m a}$  Mechanically Polished  ${
m ID} = 20{
m R}_{
m a}$  Mechanically Polished PM Finish - SF4

OD = 32R<sub>a</sub> Mechanically Polished ID = 15R<sub>a</sub> Mechanically Polished and Electropolished



#### Weld x Weld x Clamp Short Outlet Tees - T7WWMS

Size	Dimer A	nsions B	<i>PL finish - SF1</i> Part #	<i>PM finish - SF4</i> Part #
1711			TTIANAMO OFODI	T714/14/40 050D44
1/2"	3.750"	1.000"	T7WWMS-050PL	T7WWMS-050PM
3/4"	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
21/2"	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

#### Weld x Weld x Clamp Tees - T7WWM

Size	Dimer	nsions	PL finish - SF1	PM finish - SF4	
0126	Α	В	Part #	Part #	
1/2"	3.750"	2.250"	T7WWM-050PL	T7WWM-050PM	
3/4"	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 Tees - T7MP

Size	Dimer A	nsions B	PL finish - SF1 Part #	<i>PM finish - SF4</i> Part #
1/2"	4.500"	2.250"	T7MP-050PL	T7MP-050PM
3/4"	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
21/2"	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



#### Weld x Weld Concentric Reducers - T31W



Size	Dimension A	<i>PL finish - SF1</i> Part #	<i>PM finish - SF4</i> Part #
3/4" X 1/2"	4.00"	2211CBB075050F1	2211CBB075050F4
1" x ½"	4.50"	2211CBB100050F1	2211CBB100050F4
1" x ¾"	4.00"	2211CBB100075F1	2211CBB100075F4
1½" x ¾"	5.00"	2211CBB150075F1	2211CBB150075F4
1½" x 1"	5.00"	2211CBB150100F1	2211CBB150100F4
2" x 1"	7.25"	2211CBB200100F1	2211CBB200100F4
2" x 1½"	5.25"	2211CBB200150F1	2211CBB200150F4

#### Clamp x Clamp Concentric Reducers - T3114MP



BPE Table DT-4.1.3-3(a)

•	Size	Dimension PL finish - SF1 A Part #		<i>PM finish - SF4</i> Part #		
	3⁄4" X 1⁄2"	2.000"	2221CBB075050F1	2221CBB075050F4		
	1" x ½"	2.500"	2221CBB100050F1	2221CBB100050F4		
	1" x ¾"	2.000"	2221CBB100075F1	2221CBB100075F4		
	1½" x ¾"	3.000"	2221CBB150075F1	2221CBB150075F4		
	1½" x 1"	3.000"	2221CBB150100F1	2221CBB150100F4		
	2" x 1"	5.000"	2221CBB200100F1	2221CBB200100F4		
	2" v 11/2"	3 000"	2221CRR200150E1	2221CRR200150E4		

# Sanitar Fittings

### High Purity BioPharm Fittings

#### Weld x Weld Eccentric Reducers - T32W

Size	Dimension	PL finish - SF1	PM finish - SF4
	Α	Part #	Part #
3/4" X 1/2"	4.00"	2211EBB075050F1	2211EBB075050F4
1" x ½"	4.50"	2211EBB100050F1	2211EBB100050F4
1" x ¾"	4.00"	2211EBB100075F1	2211EBB100075F4
1½" x ¾"	5.00"	2211EBB150075F1	2211EBB150075F4
1½" x 1"	5.00"	2211EBB150100F1	2211EBB150100F4
2" x 1"	7.25"	2211EBB200100F1	2211EBB200100F4
2" x 1½"	5.25"	2211EBB200150F1	2211EBB200150F4



BPE Table DT-4.1.3-1(a)

Clamp x Clamp Eccentric Reducers - T3214MP

Size	Dimension A	PL finish - SF1 Part #	PM finish - SF4 Part #
		. 6.14 //	
3/4" X 1/2"	2.000"	2221EBB075050F1	2221EBB075050F4
1" x ½"	2.500"	2221EBB100050F1	2221EBB100050F4
1" x ¾"	2.000"	2221EBB100075F1	2221EBB100075F4
1½" x ¾"	3.000"	2221EBB150075F1	2221EBB150075F4
1½" x 1"	3.000"	2221EBB150100F1	2221EBB150100F4
2" x 1"	5.000"	2221EBB200100F1	2221EBB200100F4
2" x 1½"	3.000"	2221EBB200150F1	2221EBB200150F4



BPE Table DT-4.1.3-3(a)





#### Solid End Caps - T16AMP





BPE Table DT-4.1.5-2

Size	Dimensions		PL finish - SF1	PM finish - SF4		
SIZE	A   B		Part #	Part #		
1/2" - 3/4"	0.19"	0.98"	T16AMP-050075PL	T16AMP-050075PM		
1" - 1½"	0.25"	1.98"	T16AMP-100150PL	T16AMP-100150PM		
2"	0.25"	2.52"	T16AMP-200PL	T16AMP-200PM		
21/2"	0.25"	3.05"	T16AMP-250PL	T16AMP-250PM		
3"	0.25"	3.58"	T16AMP-300PL	T16AMP-300PM		
4"	0.31"	4.68"	T16AMP-400PL	T16AMP-400PM		

#### **Auto Weld Ferrules -** *TL14AM7*



BPE Table DT-4.1.4-1

Size	Dimension A	<i>PL finish - SF1</i> Part #	<i>PM finish - SF4</i> Part #
1/2"	1.75"	TL14AM7-050PL	TL14AM7-050PM
3/4"	1.75"	TL14AM7-075PL	TL14AM7-075PM
1"	1.75"	TL14AM7-100PL	TL14AM7-100PM
1½"	1.75"	TL14AM7-150PL	TL14AM7-150PM
2"	2.25"	TL14AM7-200PL	TL14AM7-200PM
21/2"	2.25"	TL14AM7-250PL	TL14AM7-250PM
3"	2.25"	TL14AM7-300PL	TL14AM7-300PM
4"	2.25"	TL14AM7-400PL	TL14AM7-400PM

#### Weld Caps - T16W



BPE Table DT-4.1.5-1

Size	Dimension A	PL finish - SF1 Part #	<i>PM finish - SF4</i> Part #
1/2"	1.50"	T16W-050PL	T16W-050PM
3/4"	1.50"	T16W-075PL	T16W-075PM
1"	1.50"	T16W-100PL	T16W-100PM
1½"	1.50"	T16W-150PL	T16W-150PM
2"	1.50"	T16W-200PL	T16W-200PM

#### 2-Way 3 Piece Encapsulated Ball Valves

#### Materials:

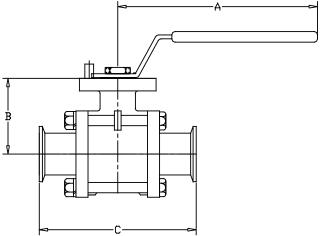
- · body, ends and ball: CF8M stainless
- seats: virgin PTFE, 15% glass reinforced RTFE, 25% carbon reinforced PTFE, 50% stainless steel reinforced PTFE or UHMW

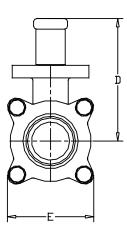
#### Features:

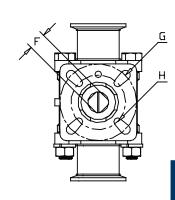
- · live-loaded stem packing
- · precision stainless steel balls reduce torque and friction losses while extending seat life
- integral ISO 5211 mounting pad
- ID polish is R<sub>a</sub> 32 minimum
- lockable handle can prevent accidental actuation
- standard internal entry blow out proof stem design
- 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: ½" 2" 1000 PSI WOG, 2½" 4" 800 PSI WOG
- · for valves seat options, call Dixon
- · repair kits available







BV2CV-400CC-A

· ·		-				'	_ '		
0:				Dimer	nsions				316 Stainless Steel
Size	A	В	С	D	E	F (mm)	G (mm)	H (mm)	Part #
1/2"	4.9"	1.5"	4.3"	3.1"	2.0"	9	42	36	BV2CV-050CC-A
3/4"	4.9"	1.8"	4.7"	3.4"	2.2"	9	42	36	BV2CV-075CC-A
1"	5.4"	2.1"	4.9"	3.6"	2.4"	11	50	42	BV2CV-100CC-A
1½"	9.3"	2.7"	5.6"	4.4"	3.2"	14	70	50	BV2CV-150CC-A
2"	9.3"	3.1"	6.4"	4.7"	3.8"	14	70	50	BV2CV-200CC-A
2½"	18.0"	3.8"	7.8"	5.2"	4.9"	17	102	70	BV2CV-250CC-A
3"	18.3"	4 2"	9.0"	5.7"	5 4"	17	102	l 70 l	BV2CV-300CC-A

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:

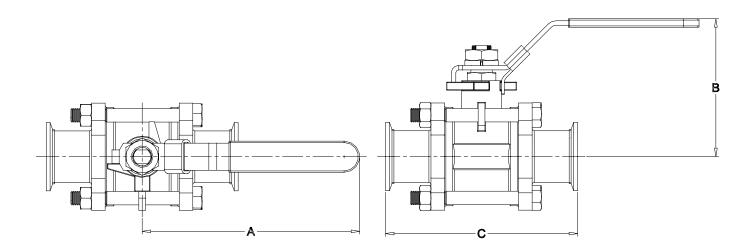
- body, ends and ball: CF8M stainless
- · seats: 15% glass reinforced PTFE

#### Features:

- blow-out proof stem
- live-loaded stem packing
- ID polish is R<sub>a</sub> 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



0:		Dimensions	316 Stainless Steel	
Size	Size A B C	С	Part #	
1/2"	4.1"	2.3"	4.6"	BV2GG-050CC-A
3/4"	4.1"	2.5"	4.7"	BV2GG-075CC-A
1"	5.0"	2.8"	4.9"	BV2GG-100CC-A
1½"	6.1"	3.5"	5.6"	BV2GG-150CC-A
2"	7.6"	3.9"	6.4"	BV2GG-200CC-A
2½"	7.6"	4.4"	7.8"	BV2GG-250CC-A
3"	10.9"	4.9"	9.0"	BV2GG-300CC-A
4"	13.2"	6.6"	9.6"	BV2GG-400CC-A

Dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

# Sanitar Fittings

#### **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)

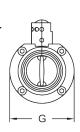
#### Clamp End with Pull Handle - [A]

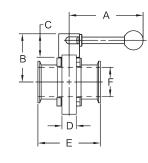
	316L Stainless Steel with	316L Stainless Steel with	316L Stainless Steel with
Size	Silicone Seats	FKM Seats	EPDM Seats
	Part #	Part #	Part #
1/2"	B5101S050CC-A	B5101V050CC-A	B5101E050CC-A
3/4"	B5101S075CC-A	B5101V075CC-A	B5101E075CC-A
1"	B5101S100CC-A	B5101V100CC-A	B5101E100CC-A
1½"	B5101S150CC-A	B5101V150CC-A	B5101E150CC-A
2"	B5101S200CC-A	B5101V200CC-A	B5101E200CC-A
2½"	B5101S250CC-A	B5101V250CC-A	B5101E250CC-A
3"	B5101S300CC-A	B5101V300CC-A	B5101E300CC-A
4" 1	B5101S400CC-A	B5101V400CC-A	B5101E400CC-A
6"	B5101S600CC-A		B5101E600CC-A
8"			B5101E800CC-A



<sup>&</sup>lt;sup>1</sup> 4" high pressure butterfly valve is available, call Dixon® for more information

				Dimension	 Ş	ı	1
Size	А	В	С	D	E	F	G
1/2" 3/4" 1" 1/2" 2" 21/2" 3" 4" 6" 8"	4.4" 4.4" 4.4" 4.4" 4.4" 6.2" 6.2" 11.5" 18.0"	2.8" 2.8" 2.8" 2.8" 3.1" 3.5" 3.5" 4.5" 5.5" 6.9"	1.4" 1.4" 1.4" 1.4" 1.4" 1.3" 1.3" 1.3"	0.9" 0.9" 0.9" 0.9" 0.9" 1.2" 1.2" 1.2"	3.5" 3.5" 3.5" 3.8" 3.8" 4.1" 4.8" 5.5" 4.9"	.37" .62" 0.9" 1.4" 1.9" 2.4" 2.9" 3.8" 5.8" 7.8"	3.1" 3.1" 3.1" 3.9" 4.6" 5.2" 6.7" 8.5"



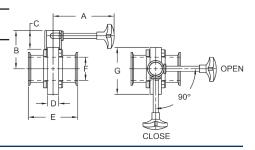


#### Clamp End with Infinite Position Handle - [B]

Size	316L Stainless Steel with Silicone Seats	316L Stainless Steel with FKM Seats	316L Stainless Steel with EPDM Seats
	Part #	Part #	Part #
1/2"	B5101S050CC-B	B5101V050CC-B	B5101E050CC-B
3/4"	B5101S075CC-B	B5101V075CC-B	B5101E075CC-B
1"	B5101S100CC-B	B5101V100CC-B	B5101E100CC-B
1½"	B5101S150CC-B	B5101V150CC-B	B5101E150CC-B
2"	B5101S200CC-B	B5101V200CC-B	B5101E200CC-B
2½"	B5101S250CC-B	B5101V250CC-B	B5101E250CC-B
3"	B5101S300CC-B	B5101V300CC-B	B5101E300CC-B
4"	B5101S400CC-B	B5101V400CC-B	B5101E400CC-B



0:		_	. [	Dimensions	Ş		
Size	Α	В	С	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"
1½"	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"
21/2"	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"	64"	4 4"	l 13"	1 2"	4 8"	3 80"	l 67"

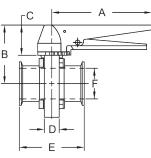


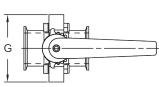
#### **Butterfly Valves**

#### Clamp End with Trigger Handle - [C]









Size	316L Stainless Steel with	316L Stainless Steel with	316L Stainless Steel with
	Silicone Seats	FKM Seats	EPDM Seats
	Part #	Part #	Part #
1/2"	B5101S050CC-C	B5101V050CC-C	B5101E050CC-C
3/4"	B5101S075CC-C	B5101V075CC-C	B5101E075CC-C
1"	B5101S100CC-C	B5101V100CC-C	B5101E100CC-C
1½"	B5101S150CC-C	B5101V150CC-C	B5101E150CC-C
2"	B5101S200CC-C	B5101V200CC-C	B5101E200CC-C
2½"	B5101S250CC-C	B5101V250CC-C	B5101E250CC-C
3"	B5101S300CC-C	B5101V300CC-C	B5101E300CC-C
4"	B5101S400CC-C	B5101V400CC-C	B5101E400CC-C

				Dimensions			
Size	А	В	С	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"
1½"	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"
21/2"	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 Size	<i>Black EPDM</i> Part #	Red Silicone Part #	<i>Brown FKM</i> Part #
1/2" - 1"	B5101-RKE100	B5101-RKS100	B5101-RKV100
1½"	B5101-RKE150	B5101-RKS150	B5101-RKV150
2"	B5101-RKE200	B5101-RKS200	B5101-RKV200
2½"	B5101-RKE250	B5101-RKS250	B5101-RKV250
3"	B5101-RKE300	B5101-RKS300	B5101-RKV300
4"	B5101-RKE400	B5101-RKS400	B5101-RKV400
6"	B5101-RKE600	B5101-RKS600	
8"	B5107-RKF800		

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# Sanitary Fittings

#### **Butterfly Valves**

#### Clamp

#### Materials:

- contact product surfaces: sanitary finish 316L stainless steel
- seat: silicone, EPDM, FKM

#### Features:

- all sizes use only 3/4" 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)

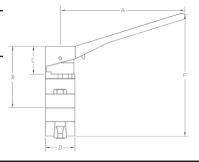
#### Information supplied based on water media @ 68°F (20°C)

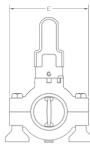
Size	Break Torque (in-lbs.)	Assembly Torque (in-lbs.)	Pressure Rating (PSI)	Flow Coefficent $(C_v)$	Weight w/standard handle (lbs.)
1"	125	36	140	23	1.5
1½"	185	36	140	80	2
2"	200	21.6	120	230	2.5
2½"	260	21.6	120	264	3
3"	350	28.8	100	372	4
4"	495	43.2	70	800	6

Size	316L Stainless Steel with	316L Stainless Steel with	316L Stainless Steel with
	Silicone Seats	FKM Seats	EPDM Seats
	Part #	Part #	Part #
1"	B5102S100-A	B5102V100-A	B5102E100-A
1½"	B5102S150-A	B5102V150-A	B5102E150-A
2"	B5102S200-A	B5102V200-A	B5102E200-A
2½"	B5102S250-A	B5102V250-A	B5102E250-A
3"	B5102S300-A	B5102V300-A	B5102E300-A
4"	B5102S400-A	B5102V400-A	B5102E400-A



Size		PSI @ <b>68°F</b>					
Size	Α	В	С	D	Е	F	(20°C)
1"	5.6"	2.8"	1.3"	1.3"	3.6"	5.6"	140
1½"	5.6"	2.8"	1.3"	1.3"	3.6"	5.6"	140
2"	5.6"	3.0"	1.3"	1.3"	4.1"	6.1"	120
21/2"	5.6"	3.3"	1.3"	1.3"	4.6"	6.6"	120
3"	5.6"	3.6"	1.3"	1.3"	5.3"	7.1"	100
4"	5.6"	4.1"	1.3"	1.3"	6.4"	8.2"	70





#### **Repair Kits for Clamp Butterfly Valves**

#### Repair kit contains:

- (1) seat
- (2) bushings

Valve	<i>Black EPDM</i>	Red Silicone	<i>Brown FKM</i>
Size	Part #	Part #	Part #
1"	B5102-RKE100	B5102-RKS100	B5102-RKV100
1½"	B5102-RKE150	B5102-RKS150	B5102-RKV150
2"	B5102-RKE200	B5102-RKS200	B5102-RKV200
2½"	B5102-RKE250	B5102-RKS250	B5102-RKV250
3"	B5102-RKE300	B5102-RKS300	B5102-RKV300
4"	B5102-RKE400	B5102-RKS400	B5102-RKV400



B5102-RKS100

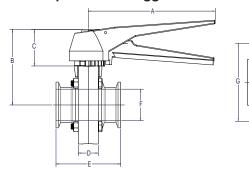


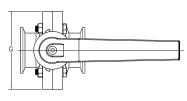
#### B5115 Series - 304 Stainless Steel Butterfly Valves

#### Features:

- 100% tested / 100% inspected
- product contact are sanitary finish to <32R<sub>a</sub>
- 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

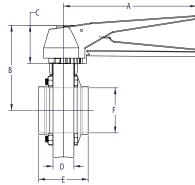
#### **Clamp End with Trigger Handle**

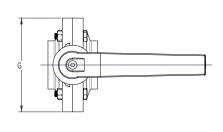




Size			304 Stainless Steel					
Size	Α	В	С	D	E	F	G	Part #
1½"	5.70"	3.40"	1.60"	0.87"	2.80"	1.40"	3.40"	B5115S150CC-C
2"	5.70"	3.60"	1.60"	0.87"	3.00"	1.90"	3.90"	B5115S200CC-C
3"	5.70"	4.20"	1.60"	0.87"	3.30"	2.90"	5.00"	B5115S300CC-C
4"	6.89"	5.51"	1.60"	0.87"	3.62"	3.83"	6.89"	B5115S400CC-C

#### Weld End with Trigger Handle





0:	Dimensions							304 Stainless Steel
Size	Α	В	С	D	E	F	G	Part #
1½"	5.70"	3.40"	1.60"	0.87"	1.97"	1.40"	3.40"	B5115S150BB-C
2"	5.70"	3.60"	1.60"	0.87"	2.05"	1.90"	3.90"	B5115S200BB-C
3"	5.70"	4.20"	1.60"	0.87"	2.12"	2.90"	5.00"	B5115S300BB-C
4"	6.89"	5.51"	1.60"	0.87"	2.52"	3.83"	6.89"	B5115S400BB-C

#### **Replacement Seats**

Size	Part #
1½"	B5115-RKS150
2"	B5115-RKS200
3"	B5115-RK\$300
4"	B5115-RKS400

Note: Cannot be actuated and is supplied with silicone seats only.







### **HSC Series Spring Check Valve**



#### 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	Operating	316L stainless steel
0120	T ressure reading	Pressure (PSI)	Temperature	Part #
1/2"		10.0		HSC*050
3/4"		4.0		HSC*075
1"	4.45 DOI	2.5		HSC*100
1½"		1.0	15°F to 200°F	HSC*150
2"	145 PSI	1.5	(-9°C to 93°C)	HSC*200
2½"		0.8		HSC*250
3"		0.5		HSC*300
4"		0.4		HSC*400



\*V=FKM or E=EPDM

#### **Repair Kits**

Part #
HSC-RK*050
HSC-RK*075
HSC-RK*100
HSC-RK*150
HSC-RK*200
HSC-RK*250
HSC-RK*300
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	А
1/2"	2.7"
3/4"	2.7"
1"	3.3"
1½"	3.4"
2"	3.4"
2½"	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:

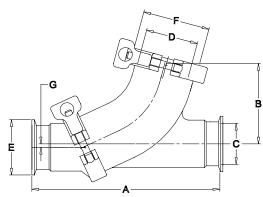
- ball: PTFE
- product contact surfaces: 316L stainless steel

- 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	Ι Δ	В	С	D	Е	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	B45BY-R150
2"	2½"	8.50"	3.90"	1.86"	2.33"	2.51"	3.04"	0.16"	2.1"	6.6	B45BY-R200
2½"	3"	10.00"	4.50"	2.37"	2.87"	3.04"	3.57"	0.16"	2.7"	10.5	B45BY-R250
3"	4"	11.50"	5.30"	2.87"	3.83"	3.57"	4.68"	0.16"	3.6"	17.5	B45BY-R300

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
- FKM seal kit contains:
  - (1) FKM cap gasket
- (1) EPDM/CF8M seat (1) FKM /CF8M seat

Size	Repair Kit	Seal Kit	FKM Seal Kit	Replacement Ball Only
Size	Part #	Part #	Part #	Part #
1½"	B45BY-RK150	B45BY-SK150	B45BY-SKV150	B45BY-TB150
2"	B45BY-RK200	B45BY-SK200	B45BY-SKV200	B45BY-TB200
2½"	B45BY-RK250	B45BY-SK250	B45BY-SKV250	B45BY-TB250
3"	B45BY-RK300	B45BY-SK300	B45BY-SKV300	B45BY-TB300

#### **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
- 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	Female NPT	Hose Barb
	Part #	Part #	Part #
1" - 1½"	B45AB-R100150	B45BC-R100150	B45CC-R100150
2"	B45AB-R200	B45BC-R200	B45CC-R200
2½"	B45AB-R250	B45BC-R250	B45CC-R250
3"	B45AB-R300	B45BC-R300	B45CC-R300
4"	B45AB-R400	B45BC-R400	B45CC-R400

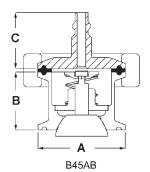


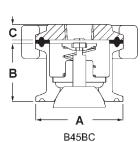


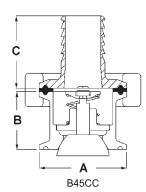


Can be used on the Dixon® B45BY Series Y-Ball **Check Valves** 

#### **Dimensions**







Size	А	В	C Plug	C FNPT	C Hose Barb
1"-1½"	1.984"	1.30"	1.26"	.6"	1.7"
2"	2.516"	1.30"	1.26"	.6"	1.7"
21/2"	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.

Bal	I Check Valve size	Air Blow Check Valve size
	11/2"	2"
	2"	2½"
	21/2"	3"
	3"	4"

#### Air & 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

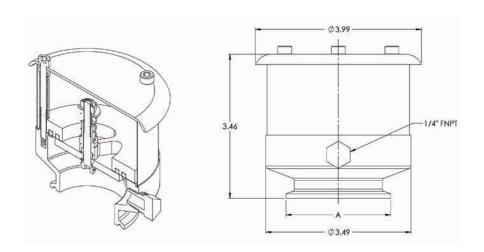
#### Materials:

• 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 Part #
2"	2.52"	TVSEC-G200
3"	3.58"	TVSEC-G300
4"	4.68"	TVSEC-G400



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.

#### Air & Vacuum Relief Tank Vent Valve

#### Material:

• light weight, robust PVC and 304 stainless steel construction

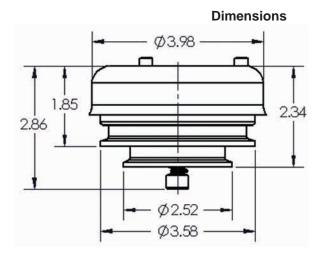
- dome helps in preventing external contamination
- can use any clamp gasket

#### Specifications:

• maximum flow rate: 500 GPM • vacuum break: 0.1 PSI • pressure relief: 0.1 PSI

2" - 3"	Part #  TVPC200-300
Size	304 Stainless Steel





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.





# sanitary Tittings

## 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)



single port

#### Materials:

- In product contact: 1.4404/AISI 316L
- Non product contact: 1.4301/AISI 304
- Product contact seals: PTFE bellows
- Surfaces: wetted product surfaces: Ra <= 32 (optional surface finishes available). Non product contact:  $R_a$  <= 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



double port

Controlled all procedure. Maximum 140 F C1			
Clamp Valve Size	Weld Port Size	Single Port Part #	Dual Port Part #
1/2"	1/4"	BSVS-HC050B025	BSVD-HC050B025
1/2"	3/8"	BSVS-HC050B375	BSVD-HC050B375
1/2"	1/2"	BSVS-HC050B050	BSVD-HC050B050
1" - 1½"	1/4"	BSVS-HC100B025	BSVD-HC100B025
1" - 1½"	3/8"	BSVS-HC100B375	BSVD-HC100B375
1" - 1½"	1/2"	BSVS-HC100B050	BSVD-HC100B050
2"	1/4"	BSVS-HC200B025	BSVD-HC200B025
2"	3/8"	BSVS-HC200B375	BSVD-HC200B375
2"	1/2"	BSVS-HC200B050	BSVD-HC200B050
2½"	1/4"	BSVS-HC250B025	BSVD-HC250B025
2½"	3/8"	BSVS-HC250B375	BSVD-HC250B375
2½"	1/2"	BSVS-HC250B050	BSVD-HC250B050
3"	1/4"	BSVS-HC300B025	BSVD-HC300B025
3"	3/8"	BSVS-HC300B375	BSVD-HC300B375
3"	1/2"	BSVS-HC300B050	BSVD-HC300B050
4"	1/4"	BSVS-HC400B025	BSVD-HC400B025
4"	3/8"	BSVS-HC400B375	BSVD-HC400B375
4"	1/2"	BSVS-HC400B050	BSVD-HC400B050

#### 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: ½" 2" 1000 PSI WOG, 2½" 3" 800 PSI WOG
- 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)

#### **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



#### 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, 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)

#### **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.



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#### **Electrically Actuated Brass Ball Valves**

# Sanitary Fittings



#### Features:

2-Piece Brass Ball Valve

- 1/2" 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.

# Sanitar

#### 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: ½" to 1": 1000 PSI WOG; 1½" 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



#### 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: ½" 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

#### 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,
- 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



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

#### 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)



- 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 ±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 93C)
- · 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 othe





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 ± 5° 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.

# Sanitary Fittings

# BV3/4 Series Multi-port Sanitary Stainless Steel Ball Valves

## **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

Enclosure	Part #
NEMA 4/4X	XLS-B4A0120P
NEMA 7	XLS-C7A0120P



XLS-B4A0120P

#### **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	XSO-4S4D-0A
single coil	24VDC	XSO-4S4B-0A
dual coil	115VAC	XSO-4D4D-0A
dual coil	24VDC	XSO-4D4B-0A



#### 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</li>

### Pneumatic

- input range: 3 to 15 PSI (20-100kPa)
- supply pressure: < 145 PSI (<1MPa)</li>
  linearity error: <0.7% f.s</li>
- hysterésis: <0.4% f.s</li>
- repeatability: <0.3% f.s

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Positioner Type	Part #
Electro-Pneumatic	XPO-E4F
Pneumatic	XPO-P4F



Threaded Pipe Fittings	654 to 680	Pipe Couplings	686 to 687
NPT threaded bell reducers	654 to 655	Straub Grip-L	686
Adapters	655	Straub Open-Flex	687
NPT threaded couplings - both ends	656		
Merchant couplings	656	Flanges & Flange Adapters	s 688 to 689
Threaded unions	657	150 lb. ASA	688 to 689
NPT threaded reducing union	657	King™ turned back weld-to-metal hose nipp	les689
Hex couplings	657		
Reducer hex bushings	658 to 659	Grooved Fittings	690 to 702
Adapters	659	Quick release	690
Nipples	660 to 663	Standard couplings	691
Pipe	660, 661	Lightweight flexible	692
Adapters	660, 663	Lite® couplings	693
Close	661 to 662	Rigid couplings	694
Hex	662	Bolted clamps	695
90° Elbows	664 to 666	Painted iron clamps with Baylast™ gaskets.	695
NPT threaded	664, 665	Mechanical tees	696
Female pipe	664	Flange adapters	697
NPT threaded reducing	665	ANSI split flange	697
Street	665	Reducing adapters	697
NPT threaded street	666	End fittings	698
45° Elbows	667	Caps	699
Tees	668 to 670	Nipples	699
NPT threaded female	668	Butterfly valves	699
Female extruded	668	Gaskets	700
Reducing tees	669	Accessories	701
Street service	669	High density polyethylene couplings	702
Bull head	669		
Side outlet	669	Line Strainers	703
Street	670	Y line	703
Male branch	670	Polypropylene T line	703
Crosses	670		
Caps	671	LP Gas Fittings	704 to 706
Plugs	672	Adapters	704
Schedule 80 plastic fittings	673 to 676	Couplings	705
Tuff-Lite™ plastic fittings	673 to 676	Gaskets	705
Bulkhead	677	Spanner wrench	705
Bolted fittings	678	Caps and plugs	706
Swage nipples	679		
Bull plugs	680	Tube Fittings	707 to 730
		Instrumentation	707 to 710
Hammer Unions	681 to 683	Compression	711 to 716
Series 100, 200, 206, 400, 602, 1002, 150	2 681 to 683	Brass SAE 45° flare	
Hookie hook hose lifters		Flareless bite	
		Sharkbite® push to connect	
Weld to Metal Hose Fitting	gs684	LIQUIfit <sup>™</sup>	
	<u> </u>	TrueSeal™ ball valves	
Wrench Grips	685		



# NPT Threaded Bell Reducers

- other sizes available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability





300# iron



150# iron



150# galvanized iron

Female	Female	300# Iron	150# Iron	150# Galvanized Iron
NPT	NPT	Part #	Part #	Part #
1/4"	1/8"		BR1418	
3/8"	1/8"		BR3818	
78	1/4"		BR3825	
1/2"	1/4"	300BR5025	BR5025	BR5025G
/2	3/8"		BR5038	BR5038G
	1/4"		BR7525	
3/4"	3/8"		BR7538	
	1/2"	300BR7550	BR7550	BR7550G
	1/4"		BR1025	
1"	3/8"		BR1038	
'	1/2"		BR1050	BR1050G
	3/4"	300BR1075	BR1075	BR1075G
	1/2"		BR1250	
11/4"	3/4"		BR1275	
	1"	300BR1210	BR1210	BR1210G
	3/4"		BR1575	
1½"	1"	300BR1510	BR1510	BR1510G
	1¼"	300BR1512	BR1512	BR1512G
	3/4"		BR2075	
2"	1"	300BR2010	BR2010	BR2010G
2	1¼"	300BR2012	BR2012	
	1½"	300BR2015	BR2015	BR2015G
	1"		BR2510	
21/2"	1½"		BR2515	
	2"		BR2520	BR2520G
	1"		BR3010	
	11/4"		BR3012	
3"	1½"		BR3015	
	2"		BR3020	BR3020G
	2½"		BR3025	BR3025G
	1"		BR4010	
	1½"		BR4015	
4"	2"		BR4020	
	2½"		BR4025	
	3"		BR4030	BR4030G
6"	3"		BR6030	
0"	4"		BR6040	





# & Tube F

## 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 Part #	3000# Forged Steel Part #	125# Brass Part #
1/4"	1/8"			
3/8"	1/8"			
78	1/4"	BR3825SS		
1/3"	1/4"	BR5025SS		
/2	3/8"	BR5038SS	BR5038FS	BR5038B1
3/4"	3/8"	BR7538SS		3771206C
74	1/2"	BR7550SS	BR7550FS	BR7550B1
1"	1/2"	BR1050SS		BR1050B
ı	3/4"	BR1075SS	BR1075FS	BR1075B
11/4"	1"	BR1210SS		BR1210B
	3/4"			BR1575B
1½"	1"	BR1510SS	BR1510FS	BR1510B
	1¼"	BR1512SS	BR1512FS	
2"	1"	BR2010SS	BR2010FS	BR2010B
2	1½"	BR2015SS	BR2015FS	BR2015B
2½"	2"			BR2520B
3"	2"	BR3020SS		BR3020B
4"	3"			BR4030B



150# 316 stainless steel



3000# forged steel



125# brass

# Adapters

# **Reducer Couplings**

#### Feature:

• ref SAE 130138

Female NPTF	Previous Part #	Brass Part #	Optional Qty	Lead Free Brass <sup>1,2,3</sup> Part #
1/4" x 1/8"	RC2F1F	3770402C	50	
3/8" X 1/8"	RC3F1F	3770602C	50	
3/8" X 1/4"	RC3F2F	3770604C	50	
½" x ¼"	RC4F2F	3770804C	25	
½" x ¾"	RC4F3F	3770806C	10	3770806CLF
3/4" X 3/8"	RC6F3F	3771206C	10	
3/4" X 1/2"	RC6F4F	3771208C	10	3771208CLF



- 1 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



<sup>&</sup>lt;sup>1</sup> items will be discontinued as stock is depleted



# Pipe, Welding & Tube Fittings

# NPT Threaded Couplings



300# iron



150# iron



150# galvanized iron



150# 316 stainless steel



3000# forged steel



125# brass

Female NPT	300# Iron Part #	<i>150# Iron</i> Part #	150# Galvanized Iron Part #
1/8"		RHC18	RHC18G
1/4"	300RHC25	RHC25	RHC25G
3/8"	300RHC38	RHC38	RHC38G
1/2"	300RHC50	RHC50	RHC50G
3/4"	300RHC75	RHC75	RHC75G
1"	300RHC100	RHC100	RHC100G
11/4"	300RHC125	RHC125	RHC125G
1½"	300RHC150	RHC150	RHC150G
2"	300RHC200	RHC200	RHC200G
2½"		RHC250	
3"		RHC300	RHC300G
4"		RHC400	RHC400G
5"		RHC500	
6"		RHC600	

Female NPT	150# 316 Stain.Steel Part #	3000# Forged Steel Part #	125# Brass Part #
1/4"	RHC25SS	RHC25FS	RHC25B
3/8"	RHC38SS	RHC38FS	RHC38B
1/2"	RHC50SS	RHC50FS	RHC50B
3/4"	RHC75SS	RHC75FS	RHC75B
1"	RHC100SS	RHC100FS	RHC100B
1¼"	RHC125SS	RHC125FS	RHC125B
1½"	RHC150SS	RHC150FS	RHC150B
2"	RHC200SS	RHC200FS	RHC200B
3"	RHC300SS		
4"	RHC400SS		

# Merchant Couplings

• other sizes are also available, consult Dixon® for pricing



Female NPSM	Black Iron Part #	
1/4"	MRCH25	
3/8"	MRCH38	
1/2"	MRCH50	
3/4"	MRCH75	
1"	MRCH100	
1¼"	MRCH125	
1½"	MRCH150	
2"	MRCH200	
3"	MRCH300 <sup>1</sup>	

- <sup>1</sup> has female NPT thread
- For additional information on pipe dimensions please reference 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"		MIU18	
1/4"		MIU25	
3/8"		MIU38	TUN038G
1/2"	300MIU50	MIU50	TUN050G
3/4"	300MIU75	MIU75	TUN075G
1"	300MIU100	MIU100	TUN100G
11/4"		MIU125	TUN125G
1½"	300MIU150	MIU150	TUN150G
2"		MIU200	TUN200G
2½"		MIU250	
3"	300MIU300	MIU300	
4"		MIU400	

Female NPT	150# 316 Stainless Steel Part #	3000# Forged Steel Part #	125# Brass Part #
1/4"	TUN025SS		TUN2F
3/8"	TUN038SS		TUN3F
1/2"	TUN050SS	TUN050FS	TUN4F
3/4"	TUN075SS	TUN075FS	TUN5F
1"	TUN100SS	TUN100FS	TUN6F
11/4"	TUN125SS		TUN7F
1½"	TUN150SS	TUN150FS	TUN8F
2"	TUN200SS	TUN200FS	TUN9F



300# iron



150# iron



150# galvanized iron



150# 316 stainless steel



3000# forged steel



brass

# NPT Threaded Reducing Union

Female Hex Couplings

	Female NPT	Female NPT	150# Iron Part #
_	3/4"	1/2"	MIRU7550





#### Feature:

#### ref SAE 130138

NDTE	В	rass	Pkg	Lead Free Brass 1, 2, 3
NPTF	Previous Part #	Part #	Qty	Part #
½" x ½"	BA1F1F	3710202C	25	3710202CLF
1/4" x 1/4"	BA2F2F	3710404C	25	3710404CLF
3/8" X 3/8"	BA3F3F	3710606C	25	3710606CLF
½" x ½"	BA4F4F	3710808C	25	3710808CLF
3/4" X 3/4"	BA6F6F	3711212C	10	



lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400</li>
 conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
 NPT threads





<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.



# Pipe, Welding & Tube Fittings



150# iron



150# galvanized iron



150# 316 stainless steel



3000# forged steel



125# brass

# NPT Threaded Reducer Hex Bushings

Male	Female	<i>150# Iron</i>	150# Galvanized Iron	150# 316 Stainless Steel
NPT	NPT	Part #	Part #	Part #
1/4"	1/8"	HB2518	HB2518G	HB2518SS
3/8"	1/8"	HB3818		
	1/4"	HB3825	HB3825G	HB3825SS
1/2"	1/8"	HB5018		
	1/4"	HB5025	НВ5025G	HB5025SS
	3/8"	HB5038	НВ5038G	HB5038SS
3/4"	1/8"	HB7518		
	1/4"	HB7525	HB7525G	HB7525SS
	3/8"	HB7538	HB7538G	HB7538SS
	1/2"	HB7550	HB7550G	HB7550SS
1"	1/8" 1/4" 3/8" 1/2" 3/4"	HB1018 HB1025 HB1038 HB1050 HB1075	 HB1025G HB1038G HB1050G HB1075G	HB1025SS HB1038SS HB1050SS HB1075SS
11/4"	½"	HB1250		
	3/4"	HB1275		HB1275SS
	1"	HB1210	HB1210G	HB1210SS
1½"	1/2"	HB1550		
	3/4"	HB1575	HB1575G	HB1575SS
	1"	HB1510	HB1510G	HB1510SS
	11/4"	HB1512	HB1512G	HB1512SS
2"	1/2"	HB2050	HB2050G	
	3/4"	HB2075	HB2075G	HB2075SS
	1"	HB2010	HB2010G	HB2010SS
	11/4"	HB2012	HB2012G	HB2012SS
	11/2"	HB2015	HB2015G	HB2015SS
2½"	1½"	HB2515		
	2"	HB2520	HB2520G	HB2520SS
3"	1"	HB3010		
	1½"	HB3015		
	2"	HB3020	HB3020G	HB3020SS
	2½"	HB3025		HB3025SS
4"	1"	HB4010		
	1½"	HB4015		
	2"	HB4020	HB4020G	HB4020SS
	2½"	HB4025		
	3"	HB4030	HB4030G	HB4030SS
5"	4"	HB5040		
6"	3" 4"	HB6030 HB6040		

Male	Female	3000# Forged Steel	12 <u>5</u> # Brass
NPT	NPT	Parť #	Part #
1/4"	1/8"	HB2518FS	
3/11	1/8"		
3/8"	1/4"	HB3825FS	
	1/8"		
1/2"	1/4"	HB5025FS	
,,,	3/8"	HB5038FS	
	1/8"		
3/4"	1/4"	HB7525FS	
/4	3/8"	HB7538FS	
	1/2"	HB7550FS	
	1/4"	HB1025FS	
1"	3/8"	HB1038FS	
'	1/2"	HB1050FS	
	3/4"	HB1075FS	
11/4"	3/4"	HB1275FS	
1 /4	1"	HB1210FS	HB1210B
	3/4"	HB1575FS	HB1575B
1½"	1"	HB1510FS	HB1510B
	1¼"	HB1512FS	HB1512B
	1/2"		HB2050B
	3/4"	HB2075FS	HB2075B
2"	1"	HB2010FS	HB2010B
	11/4"	HB2012FS	HB2012B
	1½"	HB2015FS	HB2015B
2½"	1½"		HB2515B
Z/2	2"	HB2520FS	HB2520B
3"	2"	HB3020FS	HB3020B
<u> </u>	2½"	HB3025FS	HB3025B
4"	2"		HB4020B
4	3"	HB4030FS	HB4030B

<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.

# Reducer Hex Bushings

#### Feature:

• ref SAE 130140

Female	Male	,	Brass	Optional Qty	Lead Free Brass <sup>2, 3, 4</sup>
NPTF	NPTF	Previous Part #	Part #	Optional Gty	Part #
1/8"	1/4"	HB1F2M	3730402C	100	3730402CLF
1/8"	3/8"	HB1F3M	3730602C	100	
1/4"	/8	HB2F3M	3730604C	100	3730604CLF
1/8"		HB1F4M	3730802C	25	
1/4"	1/2"	HB2F4M	3730804C	50	3730804CLF
3/8"		HB3F4M	3730806C	50	3730806CLF
1/8"		HB1F6M	3731202C 1	25	
1/4"	3/"	HB2F6M	3731204C	25	
3/8"	3/4"	HB3F6M	3731206C	25	
1/2"		HB4F6M	3731208C	25	3731208CLF
1/4"		HB2F8M	3731604C <sup>1</sup>	10	
3/8"	4"	HB3F8M	3731606C 1	10	
1/2"	'	HB4F8M	3731608C	10	
3/4"		HB6F8M	3731612C	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

# **Adapters**

### Female NPTF x Male NPTF

#### Feature:

• ref SAE 130139

Female	Male	l 1	Brass	Optional Qty	Lead Free Brass 1, 2, 3
NPTF	NPTF	Previous Part #	Part #	Optional Gty	Part #
1/8"	1/8"	RA1F1M	3750202C	100	
1/4"	1/8"	RA2F1M	3750402C	50	3750402CLF
74	1/4"	RA2F2M	3750404C	50	3750404CLF
	1/8"	RA3F1M	3750602C	50	
3/8"	1/4"	RA3F2M	3750604C	50	3750604CLF
	3/8"	RA3F3M	3750606C	50	
	1/4"	RA4F2M	3750804C	25	
1/2"	3/8"	RA4F3M	3750806C	25	
	1/2"	RA4F4M	3750808C	25	3750808CLF
	3/8"	RA6F3M	3751206C	10	
3/4"	1/2"	RA6F4M	3751208C	10	
	3/4"	RA6F6M	3751212C	10	3751212CLF



- <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 Part #
1½"	1½"	AHA15BSP15T
2"	2"	AHA20BSP20T
2½"	2½"	AHA25BSP25T
3"	3"	AHA30BSP30T
4"	4"	AHA40BSP40T



• For additional information on pipe dimensions please reference dixonvalve.com.



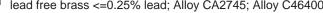
# Pipe Nipples

# **Long Pipe Nipples**

· carbon steel and stainless steel nipples are available on page 661

	<u> </u>	Brass		Optional	Lead Free Brass 1, 2
NPT	Length	Previous Part #	Part #	Qty	Part #
	11/2"	166-0215	1660215C	25	
	2"	166-0220	1660220C	25	
	2½"	166-0225	1660225C	25	
1/8"	3"	166-0230	1660230C	25	1660230CLF
	3½"	166-0235	1660235C	10	
	4"	166-0240	1660240C	10	1660240CLF
	1½"	166-0415	1660415C	25	1660415CLF
	2"	166-0420	1660420C	25	1660420CLF
	2½"	166-0425	1660425C	25	
1/4"	3"	166-0430	1660430C	25	1660430CLF
	3½"	166-0435	1660435C	10	
	4"	166-0440	1660440C	10	1660440CLF
	5"	166-0450	1660450C	5	
	1½"	166-0615	1660615C	25	1660615CLF
	2"	166-0620	1660620C	25	1660620CLF
3/8"	2½"	166-0625	1660625C	10	1660625CLF
/8	3"	166-0630	1660630C	10	1660630CLF
	3½"	166-0635	1660635C	10	
	4"	166-0640	1660640C	5	1660640CLF
	1½"	166-0815	1660815C	10	1660815CLF
	2"	166-0820	1660820C	10	
1/2"	2½"	166-0825	1660825C	10	
/2	3"	166-0830	1660830C	10	
	3½"	166-0835	1660835C	10	
	4"	166-0840	1660840C	5	
	2"	166-1220	1661220C	5	
3/4"	2½"	166-1225	1661225C	5	
74	3"	166-1230	1661230C	5	
	3½"	166-1235	1661235C	5	
	2"		TN100X2B		
1"	3"		TN100X3B		
	4"		TN100X4B		
1½"	2"		TN150X2B		
	3"		TN150X3B		
	3"		TN200X3B		
2"	4"		TN200X4B		
	6"		TN200X6B		





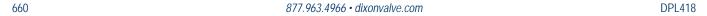
lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400</li>
 conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

# Female NPTF x Male NPSM Adapters



Female NPTF	Male NPSM	Previous Part #	Brass Previous Part # Part #	
INFIF	INFOIN	Fievious Fait #	rail#	
1/4"	1/4"	174-0404	1740404C	100
3/8"	3/8"	174-0606	1740606C	50
1/2"	1/2"	174-0808	1740808C	50

<sup>•</sup> For additional information on pipe dimensions please reference 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.



Mala	Overell	Carban Stool	216 Stainland Staal
Male	Overall	Carbon Steel	316 Stainless Steel
NPT	Length	Part #	Part #
1/4"	2"	TN025X2	<b></b>
	6"		TN025X6SS
	2"	TN038X2	
3/8"	4"	TN038X4	
	6"	TN038X6	
	2"	TN050X2	TN050X2SS
1/2"	3"	TN050X3	<i>TN050X3</i> SS
/2	4"	TN050X4	TN050X4SS
	6"	TN050X6	TN050X6SS
	2"	TN075X2	<i>TN075X</i> 2SS
3/4"	3"	TN075X3	TN075X3SS
/4	4"	TN075X4	TN075X4SS
	6"	TN075X6	TN075X6SS
	2"	TN100X2	TN100X2SS
1"	3"	TN100X3	TN100X3SS
ı	4"	TN100X4	TN100X4SS
	6"	TN100X6	TN100X6SS
	2"	TN125X2	TN125X2SS
11/4"	3"	TN125X3	TN125X3SS
1 74	4"	TN125X4	TN125X4SS
1 74	6"	TN125X6	TN125X6SS
	2"	TN150X2	TN150X2SS
41/11	3"	TN150X3	TN150X3SS
1½"	4"	TN150X4	TN150X4SS
	6"	TN150X6	TN150X6SS
	3"	TN200X3	TN200X3SS
	4"	TN200X4	TN200X4SS
2"	5"	TN200X5	TN200X5SS
	6"	TN200X6	TN200X6SS
	8"	TN200X8	
	3"	TN300X3	TN300X3SS
3"	4"	TN300X4	TN300X4SS
-	6"	TN300X6	TN300X6SS
	4"	TN400X4	TN400X4SS
4"	6"	TN400X6	TN400X6SS
-	8"	TN400X8	
	6"	TN600X6	
6"	8"	TN600X8	
			•



carbon steel



stainless steel



661

# Close Pipe Nipples

			-	• •
NDT		Brass	Optional	Lead Free Brass 1, 2
NPT	Previous Part #	Part #	Qty	Part #
1/8"	165-0202	1650202C	50	1650202CLF
1/4"	165-0404	1650404C	50	1650404CLF
3/8"	165-0606	1650606C	100	1650606CLF
1/2"	165-0808	1650808C	25	1650808CLF
3/4"	165-1212	1651212C	25	1651212CLF
1"	165-1616	1651616C	25	
1½"		CN150B	5	
2"		CN200B	5	
3"		CN300B	5	



<sup>&</sup>lt;sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

<sup>&</sup>lt;sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.



# Close Nipples

# Features:

- made from schedule 40 welded pipe
- male NPT x male NPT design

Male	Overall	Carbon Steel	Galvanized	316 Stainless Steel	Optional
NPT	Length	Part #	Part #	Part #	Qty
1/8"	3/4"			CN012SS	1
1/4"	7/8"	CN025	CN025G	CN025SS	25
3/8"	1"	CN037		CN037SS	25
1/2"	11/8"	CN050	CN050G	CN050SS	10
3/4"	1%"	CN075	CN075G	CN075SS	10
1"	1½"	CN100	CN100G	CN100SS	10
11/4"	15/8"	CN125			10
1½"	1½"	CN150	CN150G	CN150SS	10
2"	2"	CN200	CN200G	CN200SS	10
21/2"	2½"	CN250			
3"	25/8"	CN300	CN300G	CN300SS	1
4"	25/8"	CN400		CN400SS	5
6"	31/8"	CN600			

# **Hex Nipples**

#### Feature:

• ref SAE 130137



NDTE	Bra	ass	Optional	Lead Free Brass 1, 2, 3
NPTF	Previous Part #	Part #	Qty	Part #
1/8" X 1/8"	BCN12	3700202C	100	3700202CLF
1/4" x 1/4"	BCN25	3700404C	100	3700404CLF
3/8" X 3/8"	BCN37	3700606C	50	3700606CLF
½" x ½"	BCN50	3700808C	25	3700808CLF
3/4" X 3/4"	BCN75	3701212C	20	
1" x 1"	BCN100	3701616C	10	

lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400</li>
 conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS

Compliant
3 NPT threads

# Straight Hex Nipples



Male NPT	316 Stainless Steel
IVIAIE INF I	Part #
3/8"	HN38SS
1/2"	HN50SS
3/4"	HN75SS
1"	HN100SS
1½"	HN150SS
2"	HN200SS

# Reducer Hex Nipples

## Feature:

• ref SAE 130137







M I NETE	Bra	0-6	
Male NPTF	Previous Part #	Part #	Optional Qty
1/4" X 1/8"	HN2M1M	3790402C	100
3/8" X 1/8"	HN3M1M	3790602C	50
3/8" X 1/4"	HN3M2M	3790604C	50
½" X ¼"	HN4M2M	3790804C	50
½" X ¾"	HN4M3M	3790806C	50
3/4" X 1/2"	HN6M4M	3791208C	25

Male NPT	Male NPT	316 Stainless Steel Part #
3/8"	1/4"	RHN3825SS
1/2"	3/8"	RHN5038SS
3/4"	1/2"	RHN7550SS

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**

NDOM	NDTE	Bra	Ontional Oty	
NPSM	NPTF	Previous Part #	Part #	Optional Qty
1/8"	1/8"	BSM11	1720202C	100
1/4"	1/8"	BSM21	1720402C	100
74	1/4"	BSM22	1720404C	100
	1/4"	BSM32	1720604C	100
3/8"	3/8"	BSM33	1720606C	50
	1/2"	BSM34	1720608C	50
1/2"	3/8"	BSM43	1720806C	50
	1/2"	BSM44	1720808C	50
3/4"	3/4"	BSM66	1721212C	25





## **Male Unions**

NDCM	NPSM	Bra	Pkg	
NPSM		Previous Part #	Part #	Qty
1/8"	1/8"	176-0202	1760202C	100
1/4"	1/4"	176-0404	1760404C	100
3/8"	3/8"	176-0606	1760606C	100
1/2"	1/2"	176-0808	1760808C	50





<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.



# NPT Threaded 90° Elbows

#### Features:

- other sizes are also available
  - 304 stainless steel fittings are also available, consult Dixon® for pricing and availability











150# 316 stainless steel



125# brass

Female NPT	300# Iron Part #	<i>150# Iron</i> Part #	150# Galvanized Iron Part #
1/8"		EL9018	EL9018G
1/4"	300EL9025	EL9025	EL9025G
3/8"	300EL9038	EL9038	EL9038G
1/2"	300EL9050	EL9050	EL9050G
3/4"	300EL9075	EL9075	EL9075G
1"	300EL90100	EL90100	EL90100G
11/4"	300EL90125	EL90125	EL90125G
1½"	300EL90150	EL90150	EL90150G
2"	300EL90200	EL90200	EL90200G
2½"		EL90250	
3"		EL90300	EL90300G
4"		EL90400	EL90400G
5"		EL90500	
6"		EL90600	

Female NPT	150# 316 Stain. Steel	2000# Forged Steel	125# Brass
remale NF i	Part #	Part #	Part #
1/8"	EL9018SS		
1/4"	EL90025SS	<i>EL9025F</i> S	
3/8"	EL90038SS	EL9038FS	
1/2"	EL90050SS	EL9050FS	
3/4"	EL90075SS	EL9075FS	
1"	EL90100SS	EL90100FS	EL90100B
1¼"	EL90125SS	EL90125FS	
1½"	EL90150SS	EL90150FS	EL90150B
2"	EL90200SS	EL90200FS	EL90200B
3"	EL90300SS		
4"	EL90400SS		







lead free brass

# 90° Female Pipe Elbows

# Feature:

• ref SAE 130238

Female	Extruded Brass		Optional	Forged Lead Free Brass 1, 2, 3
NPTF	Previous Part #	Part #	Qty	Part #
1/8"	EL1F1F	3020202C	25	
1/4"	EL2F2F	3020404C	25	3020404CLF
3/8"	EL3F3F	3020606C	25	3020606CLF
1/2"	EL4F4F	3020808C	25	3020808CLF
3/4"	EL6F6F	3021212C	10	3021212CLF

- 1 lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
- conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
- 3 NPT thread
- For additional information on pipe dimensions please reference dixonvalve.com.



# K

# NPT Threaded Reducing Elbows

#### Feature:

• other sizes are also available, consult Dixon® for pricing and availability

Female NPT	Female NPT	150# Iron Part #
1/4"	1/8"	REL2518
1/2"	1/4"	REL5025
1/2"	3/8"	REL5038
3/4"	1/2"	REL7550
1"	1/2"	REL1050
1"	3/4"	REL1075
11/4"	1"	REL1210
1½"	1"	REL1510
1½"	11/4"	REL1525
2"	1"	REL2010
2"	1½"	REL2015
21/2"	2"	REL2520
3"	2"	REL3020
4"	2"	REL4020
4"	3"	RFI 4030



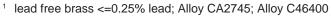
# ipe, Welding Tube Fittings

## 90° Street Elbows

#### Feature:

• ref SAE 130239

Female	Male	Extrude	Extruded Brass		Forged Lead Free Brass 1, 2
NPTF	NPTF	Previous Part #	Part #	Qty	Part #
1/8"	1/8"	SE1F1M	3040202C	25	3040202CLF
1/4"	1/8"	SE2F1M	3040402C	25	
1/4"	1/4"	SE2F2M	3040404C	25	3040404CLF
3/8"	1/4"	SE3F2M	3040604C	25	
3/8"	3/8"	SE3F3M	3040606C	25	3040606CLF
1/2"	3/8"	SE4F3M	3040806C	25	
1/2"	1/2"	SE4F4M	3040808C	25	3040808CLF
3/4"	1/2"	SE6F4M	3041208C	25	
3/4"	3/4"	SE6F6M	3041212C	10	



<sup>&</sup>lt;sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant



brass



lead free brass



# 90° Male Pipe Elbows

	Forged	0 11 101	
Male NPTF	Previous Part #	Part #	Optional Qty
1/8"	169-0202	1690202C	25
1/4"	169-0404	1690404C	25
3/8"	169-0606	1690606C	25
1/2"	169-0808	1690808C	25



• For additional information on pipe dimensions please reference dixonvalve.com.

<sup>&</sup>lt;sup>3</sup> NPT thread



# NPT Threaded 90° Street Elbows





150# galvanized iron



150# 316 stainless steel

- other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Male NPT	Female NPT	150# Iron Part #	150# Galvanized Iron Part #	150# 316 Stain. Steel Part #
1/8"	1/8"	SE9018	SE9018G	SE9018SS
1/4"	1/4"	SE9025	SE9025G	SE9025SS
3/8"	3/8"	SE9038	SE9038G	SE9038SS
1/2"	1/2"	SE9050	SE9050G	SE9050SS
3/4"	3/4"	SE9075	SE9075G	SE9075SS
1"	1"	SE9010	SE9010G	SE9010SS
11/4"	11/4"	SE9012	SE9012G	SE9012SS
11/2"	1½"	SE9015	SE9015G	SE9015SS
2"	2"	SE9020	SE9020G	SE9020SS
21/2"	2½"	SE90250		
3"	3"	SE90300	SE9030G	
4"	4"	SE90400		
6"	6"	SE90600		



3000# forged steel



125# brass

Male NPT	Female NPT	3000# Forged Steel Part #	125# Brass Part #
1/8"	1/8"		
1/4"	1/4"	SE9025FS	
3/8"	3/8"	SE9038FS	
1/2"	1/2"	SE9050FS	
3/4"	3/4"	SE9075FS	SE9075B
1"	1"	SE9010FS	SE9010B
11/4"	11/4"	SE9012FS	SE9012B
1½"	1½"	SE9015FS	SE9015B
2"	2"	SE9020FS	SE9020B





# NPT Threaded 45 Elbows

Female NPT	150# Iron
	Part #
1/8"	EL4518
1/4"	EL4525
3/8"	EL4538
1/2"	EL4550
3/4"	EL4575
1"	EL45100
11/4"	EL45125
1½"	EL45150
2"	EL45200
2½"	EL45250
3"	EL45300
4"	EL45400
5"	EL45500
6"	EL45600





Size	150# Iron Part #	150# Galvanized Iron Part #
1/8"	SE4518	
1/4"	SE4525	SE4525G
3/8"	SE4538	
1/2"	SE4550	SE4550G
3/4"	SE4575	SE4575G
1"	SE45100	
11/4"	SE45125	SE45125G
1½"	SE45150	SE45150G
2"	SE45200	SE45200G
2½"	SE45250	SE45250G
3"	SE45300	SE45300G
4"	SE45400	SE45400G



150# galvanized iron

### Feature:

• ref SAE 130339

Female	Male	Extrude	ed Brass	Optional Qty
NPTF	NPTF	Previous Part #	Part #	Optional Qty
1/8"	1/8"	306-0202	3060202C	25
1/4"	1/4"	306-0404	3060404C	25
3/8"	3/8"	306-0606	3060606C	25
1/2"	1/2"	306-0808	3060808C	25
3/4"	3/4"	306-1212	3061212C	10





<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.



# Pipe, Welding & Tube Fittings

300# iron



150# iron



150# galvanized iron



150# 316 stainless steel



2000# forged steel



125# brass

# NPT Threaded Female Tees

Female NPT	300# Iron Part #	<i>150# Iron</i> Part #	150# Galvanized Iron Part #
1/8"		FT18	
1/4"	300FT25	FT25	FT25G
3/8"	300FT38	FT38	FT38G
1/2"	300FT50	FT50	FT50G
3/4"		FT75	FT75G
1"	300FT10	FT10	FT100G
1¼"	300FT120	FT120	FT120G
1½"		FT15	FT150G
2"	300FT200	FT200	FT200G
2½"		FT250	
3"		FT30	FT300G
4"		FT40	FT400G
5"		FT500	
6"		FT60	

Female NPT	150# 316 Stainless Steel Part #	2000# Forged Steel Part #	125# Brass Part #
1/8"			
1/4"	FT25SS	FT25FS	
3/8"	FT38SS		
1/2"	FT50SS	FT50FS	
3/4"	FT75SS	FT75FS	FT75B
1"	FT10SS	FT100FS	FT10B
11/4"	FT120SS	FT120FS	
1½"	FT150SS	FT150FS	FT15B
2"	FT200SS	FT200FS	FT20B



ref SAE 130438



lead free brass

- Extruded Brass Optional Forged Lead Free Brass 1, 2, 3 **NPTF** Thread Previous Part # Part # Qty Part # 3220202C 3220202CLF 1/8" 322-0202 25 1/4" 322-0404 3220404C 25 3220404CLF 3/8" 322-0606 3220606C 25 3220606CLF 1/2" 322-0808 3220808C 25 3220808CLF 3/4" 322-1212 3221212C 10 3221212CLF
- 1 lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Female Tees

- <sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
- 3 NPT thread
- For additional information on pipe dimensions please reference dixonvalve.com.

# K

# NPT Threaded Side Outlet Elbows

Female NPT	150# Iron	
remaie NF1	Part #	
1/8"	SOE18	
1/4"	SOE25	
3/8"	SOE38	
1/2"	SOE50	
3/4"	SOE75	
1"	SOE100	
11/4"	SOE120	
1½"	SOE150	
2"	SOE200	



Tube Fittings

# NPT Threaded Female Reducing Tees

Female NPT	Female NPT	150# Iron Part #
3/8"	1/4"	FRT3825
1/2"	3/8"	FRT5038
3/4"	1/2"	FRT7550
1"	1/2"	FRT1050
11/4"	1"	FRT1210
1½"	1"	FRT1510
2"	1"	FRT2010
2"	1½"	FRT2015
3"	2"	FRT3020



# NPT Threaded Street Service Tees

NPT	150# Iron Part #
1/2" 3/4" 1" 11/2"	SST50 SST75 SST100 SST150



# NPT Threaded Bull Head Tees

Female NPT	Female NPT	150# Iron Part #
1/2"	3/4"	BHT1575
1/2"	1"	BHT1510
3/4"	1"	BHT7510
1"	1½"	BHT1015
1"	2"	BHT1020
1½"	2"	BHT1520
2"	2½"	BHT2025





# NPT Threaded Side Outlet Tees

Female NPT	150# Iron Part #
1/2"	SOT50
3/4"	SOT75
1"	SOT100
11/4"	SOT120
1½"	SOT150
2"	SOT200



<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.

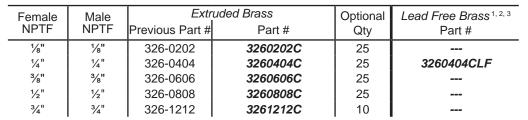


# ipe, Welding Tube Fittings

# Street Tees

#### Feature:

• ref SAE 130424



- 1 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 Previous Part # Part #		Optional Qty	Lead Free Brass <sup>1, 2, 3</sup> Part #
-	1/8"	324-0202	3240202C	25	
	1/4"	324-0404	3240404C	25	
	3/8"	324-0606	3240606C	25	3240606CLF
	1/2"	324-0808	3240808C	25	
	3/4"	324-1212	3241212C	10	

- 1 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	<i>150# Iron</i> Part #
1/8"	MIC18
1/4"	MIC25
3/8"	MIC38
1/2"	MIC50
3/4"	MIC75
1"	MIC100
11/4"	MIC125
1½"	MIC150
2"	MIC200
21/2"	MIC250
3"	MIC300
4"	MIC400

# Pipe Crosses



	Extruded Brass		0 11 101
Female NPTF	Previous Part #	Part #	Optional Qty
1/8"	228-0202	2280202C	25
1/4"	228-0404	2280404C	25
3/8"	228-0606	2280606C	25
1/2"	228-0808	2280808C	10
3/4"	228-1212	2281212C	10

• For additional information on pipe dimensions please reference 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 Part #	150# Iron Part #
1/8"		MICAP18
1/4"		MICAP25
3/8"		MICAP38
1/2"	300MICAP50	MICAP50
3/4"	300MICAP75	MICAP75
1"	300MICAP100	MICAP100
11/4"	300MICAP125	MICAP120
1½"	300MICAP150	MICAP150
2"	300MICAP200	MICAP200
21/2"		MICAP250
3"		MICAP300
4"		MICAP400
5"		MICAP500
6"		MICAP600

Female NPT	150# Galvanized Iron Part #	150# 316 Stainless Steel Part #
1/8"		SSCAP18
1/4"		SSCAP25
3/8"		SSCAP38
1/2"	MICAP50G	SSCAP50
3/4"	MICAP75G	SSCAP75
1"		SSCAP10
11/4"		SSCAP12
1½"		SSCAP15
2"	MICAP200G	SSCAP20



300# iron



150# iron



150# galvanized iron



150# 316 stainless steel

# NPT Pipe Caps

Female NPT	Optional Qty	Lead Free Brass <sup>1, 2, 3</sup> Part #
1/8"	50	2130200CLF
1/4"	100	2130400CLF
3/8"	25	2130600CLF
1/2"	25	2130800CLF
3/4"	25	2131200CLF



- <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

• For additional information on pipe dimensions please reference dixonvalve.com.



# Pipe, Welding & Tube Fittings

# NPT Threaded Square Head Plugs

#### Feature:

• forged steel and brass plugs are solid, all others are cored



150# galvanized iron



150# 316 stainless steel



3000# forged steel



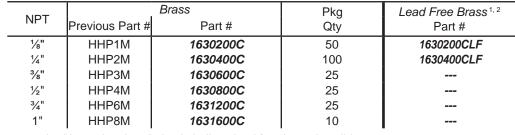
125# brass

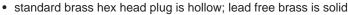
Male NPT	150# Iron	150# Galvanized Iron	150# 316 Stain. Steel
IVIAIE INP I	Part #	Part #	Part #
1/8"	SHP18	SHP18G	SHP18SS
1/4"	SHP14	SHP14G	SHP14SS
3/8"	SHP38	SHP38G	SHP38SS
1/2"	SHP50	SHP50G	SHP50SS
3/4"	SHP75	SHP75G	SHP75SS
1"	SHP100	SHP100G	SHP100SS
1¼"	SHP125	SHP125G	SHP125SS
1½"	SHP150	SHP150G	SHP150SS
2"	SHP200	SHP200G	SHP200SS
2½"	SHP250	SHP250G	SHP250SS
3"	SHP300	SHP300G	SHP300SS
4"	SHP400	SHP400G	SHP400SS
5"	SHP500		
6"	SHP600	SHP600G	

_			
-	Male NPT	3000# Forged Steel Part #	<i>125# Bra</i> ss Part #
	1/8"		2110200C <sup>1, 2</sup>
	1/4"	SHP14FS	2110400C <sup>1, 2</sup>
	3/8"	SHP38FS	2110600C <sup>1, 2</sup>
	1/2"	SHP50FS	2110800C <sup>1, 2</sup>
	3/4"	SHP75FS	2111200C <sup>1, 2</sup>
	1"	SHP100FS	SHP100B
	1½"	SHP150FS	SHP150B
	2"	SHP200FS	
	3"	SHP300FS	

- <sup>1</sup> lead free brass per NSF/ANSI 372, Brass Alloy 260/270
- <sup>2</sup> threads are PTF-SAE

# Hex Head Plugs





<sup>1</sup> lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

# Hex Socket Plugs



NDTE	Lead Free Brass 1		0-6
NPTF	Previous Part #	Part #	Optional Qty
1/8"	219-0200	2190200C	50
1/4"	219-0400	2190400C	100
3/8"	219-0600	2190600C	25
1/2"	219-0800	2190800C	25
3/4"	219-1200	2191200C	25

<sup>&</sup>lt;sup>1</sup> lead free brass per NSF/ANSI 372, Brass Alloy 260/270

<sup>&</sup>lt;sup>2</sup> conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.



# Polypropylene Schedule 80 - Pipe Couplings

Female NPT	Polypropylene Part #
3/4"	62238
1"	62239
1½"	62241
2"	62194



# Tuff-Lite™ - Female NPT x Female NPT Adapters

• sold in package quantity only

Female NPT	Female NPT	<i>Nylon</i> Part #	Pkg Qty
1/2"	1/2"	TA994	25
3/4"	3/4"	TA996	25



# Polypropylene Schedule 80 - Reducer Bushings

Male NPT	Female NPT	Polypropylene Part #
1/2"	1/4"	62267
3/4"	1/2"	62272
1"	1/2"	62275
1"	3/4"	62276
11/4"	3/4"	62277
11/4"	1"	62278
1½"	3/4"	62279
1½"	1"	62280
1½"	11/4"	62281
2"	3/4"	62195
2"	1"	62196
2"	11/4"	62197
2"	1½"	62198
3"	2"	60330



# 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	<i>Nylon</i> Part #
1/4"	3/4" GHT	TSA72
3/8"	3/4" GHT	TSA73
1/4"	3/4" NPS	TSA62
3/8"	3/4" NPS	TSA63



# Tuff-Lite™ - Reducing Bushings

Male NPT	Female NPT	<i>Nylon</i> Part #
3/8"	1/4"	THB32
1/2"	1/4"	THB42
1/2"	3/8"	THB43
3/4"	1/2"	THB64
1"	3/4"	THB86



<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.



# Tuff-Lite™ - Close Nipples

• sold in package quantity only



Male NPT	Nylon	Pkg
IVIAIE IVI I	Part #	Qty
1/4"	TCN202	50
3/8"	TCN303	50
1/2"	TCN404	50
3/4"	TCN606	50

# Polypropylene Schedule 80 - Hex Nipples



Male NPT	Polypropylene Part #
1/2"	62221
3/4"	60554
1"	60555
11/4"	60556
1½"	60547
2"	60548
3"	61769

# Polypropylene Schedule 80 - Reducer Nipples



Male NPT	Male NPT	Polypropylene Part #
3/4"	1/2"	62233
1"	3/4"	62234
11/4"	1"	62235
1½"	1¼"	62236
2"	1½"	60549

# Polypropylene Schedule 80 - Nipples



Male NPT	Length	Polypropylene Part #
3/4"	4"	62223
3/4"	6"	62224
1"	4"	62225
1"	6"	62226
2"	4"	62192
2"	6"	62193





# Polypropylene Schedule 80 - 90° Elbows

Female NPT	Polypropylene Part #	
1/2"	62215	
3/4"	62216	
1"	62217	
1½"	62219	
2"	62191	
3"	62220	



Pipe, Welding & Tube Fittings

# Tuff-Lite™ - Street Female NPT x 90° Male NPT Elbows

Female NPT	Male NPT	<i>Nylon</i> Part #
1/4"	1/4"	TSE22
1/2"	1/2"	TSE44
3/4"	3/4"	TSE66



# Polypropylene Schedule 80 - 90° Street Elbows

NPT Thread	Polypropylene Part #
1/2"	62243
3/4"	62244
1"	62245
11/4"	62246
1½"	62247
2"	62199
3"	62248



# Polypropylene Schedule 80 - Tees

Female NPT	Polypropylene Part #
1/2"	62209
3/4"	62210
1"	62211
11⁄4"	62212
1½"	62213
2"	62190
3"	62214





# Polypropylene Schedule 80 - Cross

Female NPT	Polypropylene Part #
1"	62263



• For additional information on pipe dimensions please reference dixonvalve.com.





# Tuff-Lite™ - Female Threaded Swivel Nuts

Female Thread	Nylon Part #
3/4" NPSM	TCF6
34" GHT	TCF7



# Tuff-Lite™ - Threaded Caps

• sold in package quantity only

	2
Tilling !	

Female Thread	<i>Nylon</i> Part #	Pkg Qty
1/4" NPT	TTC2	50
³⁄₃" NPT	TTC3	50
½" NPT	TTC4	50
3/4" NPT	TTC6	50
¾" GHT	TTC7	50

# Tuff-Lite™ - Hex Head Drain Plugs

• sold in package quantity only



Male NPT	Nylon	Pkg
iviale NF I	Part #	Qty
1/8"	TPX1	50
1/4"	TPX2	50
3/8"	TPX3	50
1/2"	TPX4	50
3/4"	TPX6	50
1"	TPX8	50
11⁄4"	TPX10	25

# Tuff-Lite™ - Square Head Drain Plugs

sold in package quantity only



Male NPT	Nylon	Pkg
IVIAIE INF I	Part #	Qty
1/8"	TPS1	50
1/4"	TPS2	50
3/8"	TPS3	50
1/2"	TPS4	50
3/4"	TPS6	50
1"	TPS8	50
1¼"	TPS10	25

# Polypropylene Schedule 80 - Pipe Caps

Female NPT	Polypropylene Part #
3/4"	62250
1"	62251



# PolypropyleneSchedule 80 - Pipe Plugs

9	1
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Male NPT	Polypropylene Part #
3/4"	62256
1"	62257
11/4"	62258
1½"	62259
2"	62201

<sup>•</sup> For additional information on pipe dimensions please reference 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"	62834
3/4"	1-7/16"	60401
1"	2-1/4"	60427
11/4"	2-1/4"	60403
1½"	3"	60124 <b>NEW</b>
1½"	2-3/8"	63931 1
2"	3"	60405
2"	3"	<b>63481</b> <sup>2</sup>
2" HD3	3-1/4"	63683
3"	4-1/2"	<b>62299</b> ¹



<sup>63683</sup> 

 $<sup>^{2}~</sup>$  designed for tank wall thickness less than  $\ensuremath{\mbox{\%}}\mbox{"}$  - low profile

	Gaskets
Size	EPDM Part #
1/2" - 3/4"	60402
1" - 1¼"	60404
1½"	63938
2"	60406
2" HD 1	60336
3"	60331



# **Bulkhead Couplings**

Female NPTF	External Male UNS	Length	<i>Bra</i> ss Part #
1/8"	5/8"	1.50"	207BH2
1/4"	3/4"	1.50"	207BH4
1/4"	3/4"	.94"	207BH4S
3/8"	1"	1.31"	207BH6
1/2"	1-1/8"	1.50"	207BH8
3/4"	1-5/16"	1.50"	207BH12





Note: washer nut is 12L14 steel

<sup>&</sup>lt;sup>1</sup> 1½" and 3" do not contain a washer

<sup>1</sup> heavy duty

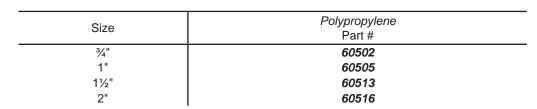


# **Bolted Fittings**

# 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®





### **Gaskets**



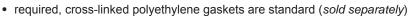
Sizo	Size	EPDM
	Size	Part #
	3/4" - 1"	60498
	1½" - 2"	60497

## **Stainless Steel Female NPT fittings**

#### Features:







FKM and EPDM gaskets are available, contact Dixon<sup>®</sup>



Size	Stainless Steel Part #
3/4"	63035
1"	62948
1½"	63037
2"	63038

## **Gaskets**



Size	Cross-Linked Polyethylene Part #
³⁄₄" - 1"	62950
1½"	63042
2"	62848



# K

# **Swage Nipples**

- 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 Part #
2" x 1"	6.5"	SW40-200100
2" x 11/4"	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



Male NPT	Length	Zinc Plated Schedule 80
IVIAIE INF I	Lengui	Part #
½" X ¼"	2.8"	SW80-050025
½" X 3/8"	2.8"	SW80-050038
3/4" X 1/2"	3.0"	SW80-075050
1" x 1/4"	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





<sup>•</sup> For additional information on pipe dimensions please reference dixonvalve.com.



# ings



schedule 80

# **Bull Plugs**

#### 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 Part #	Zinc Plated Schedule 80 Part #
2"	4"	BP40-200	BP80-200
2½"	5"	BP40-250	BP80-250
3"	6"	BP40-300	BP80-300
4"	7"	BP40-400	BP80-400

# **Bull Plugs with Tap**

- 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



schedule 40

Male NPT Length		Zinc Plated Schedule 40 Part #	Zinc Plated Schedule 80 Part #	
2" x 1/4"	4"	BP40-200T025	BP80-200T025	
2" x ½"	5"	BP40-200T050	BP80-200T050	
3" x ½"	6"	BP40-300T050	BP80-300T050	
4" x ½"	7"	BP40-400T050	BP80-400T050	



## 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 1/4 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	1000	HU100200
۷	buttweld	1000	HU100200BW <sup>1</sup>
2½"	threaded	1000	HU100250
3"	threaded	1000	HU100300
4"	threaded	1000	HU100400
4	buttweld	1000	HU100400BW <sup>1</sup>
6"	threaded	1000	HU100600
8"	threaded	1000	HU100800



#### Features:

#### 200 Series

- 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	2000	HU200100
1½"	threaded	2000	HU200150
2"	threaded	2000	HU200200
	buttweld	2000	HU200200BW <sup>1</sup>
2½"	threaded	2000	HU200250
3"	threaded	2000	HU200300
4"	threaded	2000	HU200400
6"	threaded	2000	HU200600
8"	threaded	2000	HU200800
4 4 33 44 4			





## 206 Series

- · 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	2000	HU206100
1½"	threaded	2000	HU206150
2"	threaded	2000	HU206200
2½"	threaded	2000	HU206250
3"	threaded	2000	HU206300
4"	threaded	2000	HU206400
6"	threaded	2000	HU206600
8"	threaded	2000	HU206800



buttweld ends are schedule 40

buttweld ends are schedule 40



### **Hammer Unions**

#### 400 Series

# Features:

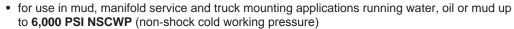


- · used on manifold and line connections, pump, suction and mud service
- up to 4,000 PSI NSCWP (non-shock cold working pressure)
- red sub, black nut

Size	Configuration	NSCWP (PSI)	Forged Steel Part #
2"	threaded	4000	HU400200
3"	threaded	4000	HU400300
4"	threaded	4000	HU400400

## 602 Series

#### Features:



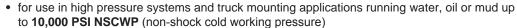
- lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- orange sub, black nut



Size	Configuration	NSCWP (PSI)	Forged Steel Part #
1"	threaded	6000	HU602100
2"	threaded	6000	HU602200
2	buttweld	6000	HU602200BW 1
3"	threaded	6000	HU602300
3	buttweld	6000	HU602300BW <sup>1</sup>
4"	threaded	6000	HU602400
4	buttweld	6000	HU602400BW <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> buttweld ends are schedule 80

#### 1002 Series



- 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	10000	HU1002100
2"	threaded	10000	HU1002200
2	buttweld	10000	HU1002200BW <sup>1</sup>
3"	threaded	10000	HU1002300
3	buttweld	10000	HU1002300BW <sup>1</sup>
4"	threaded	10000	HU1002400
4"	buttweld	10000	HU1002400BW <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> buttweld ends are schedule XXS



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#### **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 buttweld	15000 15000	HU1502200 HU1502200BW <sup>1</sup>
3"	threaded	15000	HU1502300
	buttweld	15000	HU1502300BW1
4"	threaded buttweld	15000 15000	HU1502400 HU1502400BW1



<sup>1</sup> buttweld ends are schedule XXS

#### 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"	HA0900-3
4"	HA0900-4
5"	HA0900-5









#### NPT Threaded Pipe Fittings

Size	Overall Length	Carbon Steel Part #	304 Stainless Steel Part #	<i>Aluminum</i> Part #
1/4"	2"	PN250	PNS250	
3/8"	2"	PN375	PNS375	
1/2"	2"	PN500	PNS500	
3/4"	2"	PN750	PNS750	
1"	2"	PN1000	PNS1000	
11/4"	2"	PN1250	PNS1250	
1½"	2"	PN1500	PNS1500	
2"	2"	PN2000	PNS2000	
21/2"	3"	PN2500	PNS2500	
3"	3"	PN3000	PNS3000	APN3000
4"	4"	PN4000	PNS4000	APN4000

## Dixon® Hex Nipples for Welding to Metal Hose



carbon steel



machined brass



global stainless

Size	Carbon Steel¹ Part #	Optional Qty	<i>Machined Brass</i> Part #
1/4"	FM250	200	FMB250
3/8"	FM375	100	FMB375
1/2"	FM500	50	FMB500
3/4"	FM750	50	FMB750
1"	FM1000	50	FMB1000
1¼"	FM1250	50	
1½"	FM1500	50	
2"	FM2000	10	

Size	304 Stainless Steel <sup>1</sup> Part #	Optional Qty	316 Stainless Steel¹ Part #
1/4"	FMS250	200	
3/8"	FMS375	100	
1/2"	FMS500 <sup>2</sup>	50	FMR500 <sup>2</sup>
3/4"	FMS750 <sup>2</sup>	50	FMR750 <sup>2</sup>
1"	FMS1000 <sup>2</sup>	50	FMR1000 <sup>2</sup>
1¼"	FMS1250	50	
1½"	FMS1500	50	FMR1500

Dixon® suggests using 308 LSI welding rod
 global stainless steel

## Dixon® Octagonal Nipples for Welding to Metal Hose



Size	Overall	Weld-On	Hex	Carbon Steel	304 Stainless Steel
	Length	Length	Length	Part #	Part #
2"	2½"	7/8"	9/16"	OCTOE32	OCTOES32

• For additional information on pipe dimensions please reference dixonvalve.com.

## K

## Dixon® Octagonal Wrench Grips

Size	Across Outside Flats	Across Inside Flats	Width	304 Stainless Steel Part #
1½"	2.230"	1.910"	9/16"	OCTS24
2"	2.781"	2.385"	9/16"	OCTS32
3"	3.750"	3.510"	7/8"	OCTS48
Size	Across Outside Flats	Across Inside Flats	Width	304 Stainless Steel Part #
2"	2.740"	2.510"	9/16"	OCT32





## Dixon® Weld-On Hex Wrench Grips

Size	Global Investment Cast Steel Part #
1"	WN12
1¼"	WN16
1½"	WN21
2"	WN26
21/2"	WN31
3"	WN36
4"	WN46







#### 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**:

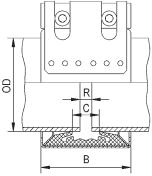
- joins like or dissimilar pipe materials: steel, galvanized, painted, stainless steel, thin-wall stainless steel, PVC, copper
- requires no special tools or pipe-end preparation; only a torque wrench is required for a secure and safe pipe connection that seldom needs retightening
- · accommodates up 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

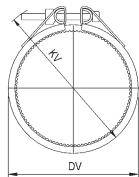


 casing: AISI 316Ti; screws: AISI 316 L; bolts: AISI 316 Ti; anchoring ring: AISI 301; sealing sleeve: EPDM standard

#### Specifications:

- American Bureau of Shipping (ABS) up to 232 PSI on 3/4" 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





0.4"

0.4"

0.4"

0.4"

0.4"

0.4"

316 Ti Stainless Steel

Part #

STR20000 1

STR20100 1

STR20300 1

STR20450 1

STR20500

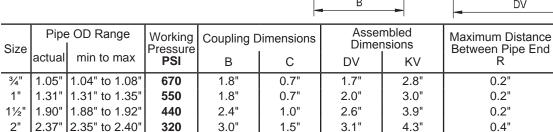
STR20650

STR20900

STR21150

STR21350

STR21400



1.6"

1.6"

1.6"

2.1"

2.1"

3.1"

3.7"

3.7"

3.7"

4.3"

4.3"

5.6"



2.87" 2.85" to 2.90"

3.50" 3.46" to 3.54"

4.50" 4.46" to 4.54"

5.50" 5.51" to 5.62"

6.63" 6.56" to 6.69"

8.63" 8.54" to 8.71"

450

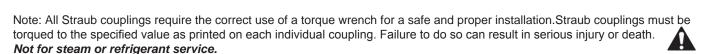
320

232

232

232

232



3.9"

4.4"

5.4"

6.5"

7.6"

9.8"

5.3"

5.9"

6.7"

8.3"

9.1"

11.6'





21/2"

3"

4"

5"

6"



#### Straub Open-Flex 1L Couplings

#### **Applications:**

· suitable for repairing or joining pipes where access to the pipe end is difficult or impossible

#### Features:

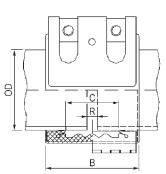
- · use to replace bolted sleeve type couplings (AWWA Std. C-219) or for permanent repairs or installation
- wrap-around design differs from similar type repair products because the installation or repair is permanent due to the unique flexible lip seal gasket design
- joins like or dissimilar pipe materials: 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

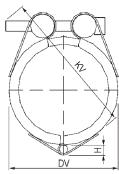
#### Materials:

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			Working Pressure	Coupli	ng Dime	ensions		mbled nsions	Maximum Distance Between Pipe End	316 Ti Stainless Steel
0.20	actual	min to max	PSI	В	С	Н	DV	KV	R	Part #
1½"	1.90"	1.85" to 1.95"	363	3.0"	1.4"	.28"	2.8"	3.3"	.20"	STR35001
2"	2.38"	2.32" to 2.42"	232	3.0"	1.4"	.28"	3.2"	3.7"	.20"	STR35151
2½"	2.88"	2.81" to 2.93"	232	3.0"	1.4"	.36"	3.2"	3.7"	.20"	STR35201
3"	3.50"	3.44" to 3.56"	232	3.7"	2.0"	.36"	4.4"	4.9"	.20"	STR35351
4"	4.50"	4.43" to 4.57"	232	3.7"	2.0"	.36"	5.4"	5.9"	.20"	STR35651
5"	5.56"	5.49" to 5.57"	232	4.2"	2.4"	.38"	6.4"	7.1"	.20"	STR35901
6"	6.63"	6.54" to 6.71"	232	4.2"	2.4"	.38"	7.5"	8.1"	.20"	STR36051



Note: Not pull-out resistant. Ensure that pipes are properly anchored and supported.

#### **Assembly Tool**

Part #

STR6648

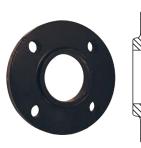








# Pipe, Welding Tube Fittings



#### 150 Lb. ASA Forged Lap Joint Flanges

#### Features:

- no raised face
- commonly called a Van Stone or a floating flange

Size	Number of Bolts	<i>Carbon Steel</i> Part #	316 Stainless Steel Part #
1"	4	LJ100	
1¼"	4	LJ125	
1½"	4	LJ150	LJR150
2"	4	LJ200	LJR200
2½"	4	LJ250	
3"	4	LJ300	LJR300
4"	8	LJ400	LJR400
5"	8	LJ500	
6"	8	LJ600	LJR600
8"	8	LJ800	
10"	12	LJ1000	
12"	12	LJ1200	

## 150 Lb. ASA Forged Slip-On Flanges

#### Feature:

· raised face





Size	Number of Bolts	Carbon Steel Part #	316 Stainless Steel Part #
1"	4	SO100	
1¼"	4	SO125	
1½"	4	SO150	SOR150
2"	4	SO200	SOR200
21/2"	4	SO250	
3"	4	SO300	SOR300
4"	8	SO400	SOR400
5"	8	SO500	
6"	8	SO600	SOR600
8"	8	SO800	
10"	12	SO1000	
12"	12	SO1200	

## K

## 150 Lb. ASA Forged NPT Threaded Flanges

#### Feature:

raised face





Size	Number of Bolts	<i>Carbon Steel</i> Part #	316 Stainless Steel Part #
1"	4	T100	
11/4"	4	T125	
1½"	4	T150	TR150
2"	4	T200	TR200
21/2"	4	T250	
3"	4	T300	TR300
4"	8	T400	TR400
5"	8	T500	
6"	8	T600	TR600
8"	8	T800	
10"	12	T1000	
12"	12	T1200	

<sup>·</sup> For flange dimensions, diagrams and additional information please reference dixonvalve.com.

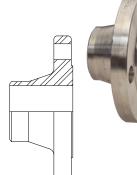
## K

#### 150 Lb. Weld Neck ASA Forged Flanges

#### Feature:

· raised face

Size	Number of Bolts	Carbon Steel Part #
1"	4	WN100
11/4"	4	WN125
1½"	4	WN150
2"	4	WN200
3"	4	WN300
4"	8	WN400
5"	8	WN500
6"	8	WN600
8"	8	WN800
10"	12	WN1000





#### **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 Part #	Klingersil® C-4401 Part #
1"	NG10	AG10
1¼"	NG15	AG15
1½"	NG20	AG20
2"	NG25	AG25
2½"	NG30	AG30
3"	NG35	AG35
4"	NG40	AG40
5"	NG50	
6"	NG60	AG60
8"	NG80	AG80





#### 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 Part #
6" NST (NH)	175	T600-60F



## K

## 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 Plated Carbon Steel Part #	Schedule 40 316 Stainless Steel Part #
1"	2"	NW10	RNW10-40
1¼"	2"	NW15	RNW15-40
1½"	2"	NW20	RNW20-40
2"	2½"	NW25	RNW25-40
21/2"	2½"	NW30	RNW30-40
3"	2½"	NW35	RNW35-40
4"	3"	NW40	RNW40-40
6"	3½"	NW60	RNW60-40
8"	4"	NW80	RNW80-40
10"	5"	NW100	RNW100-40
12"	6"	NW120	RNW120-40





#### Quick Release Couplings - Series Q

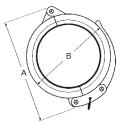
• Comparable to:

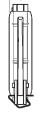
#### Features:

- designed for applications requiring a quick connection and/ or disconnection of a pipe joint, a locking pin through the • designed for applications requiring a quick connection 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
  - Victaulic's #78 Grinnell's #7003



Naminal	Dina	Maximum	Maximum	Ductil	le Iron
Nominal Size	Pipe OD	Working Pressure PSI at <b>70°F (21°C)</b>		Part # with <i>EPDM</i> gasket	Part # with <i>Buna-N</i> gasket
1½"	1.900"	300	850	H315	H315BU
2"	2.375"	300	1329	H32	H32BU
21/2"	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







A	В	C
43/4"	3½"	1"
5½"	3¾"	17⁄8"
5½"	4¾"	17/8"
71/4"	51/4"	17⁄8"
8½"	6½"	2"
105/8"	81/2"	2"

Standard Couplings - Series S, Style 11





#### Applications:

· designed for a wide range of applications including commercial/industrial construction, mining, and process piping

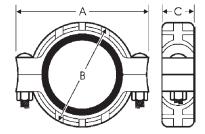
#### Features:

- 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	Dino	Maximum	Maximum		Bolts		Ducti	le Iron
Size	Pipe OD	Working Pressure PSI at <b>70°F (21°C)</b>		qty	size	length	Part # with <i>EPDM</i> gasket	Part # with <i>Buna-N</i> gasket
1½"	1.900"	1000	2835	2	3/8"	2"	C115	C115BU
2"	2.375"	1000	4430	2	1/2"	23/4"	C12	C12BU
21/2"	2.875"	1000	6492	2	1/2"	23/4"	C125	C125BU
3"	3.500"	1000	9621	2	1/2"	3"	C13	C13BU
4"	4.500"	1000	15904	2	5/8"	3¼"	C14	C14BU
6"	6.625"	1000	34472	2	3/4"	41/4"	C16	C16BU
8"	8.625"	800	46741	2	7/8"	5"	C18	C18BU
10"	10.750"	800	72610	2	7/8"	5"	C20	C20BU
12"	12.750"	800	102141	2	7∕8"	5"	C24	C24BU



A	В	С
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

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

• Comparable to:

• Underwriters Listed and Factory Mutual approved
• see pages 695, 701 for replacement gaskets, nuts and bolts

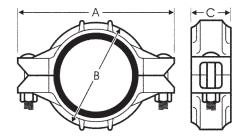
• Comparable to:

Victaulic's #75

Grinnell's #7000



Naminal	Dina	Maximum	Maximum		Bolts		Ducti	e Iron
Nominal Size	Pipe OD	Working Pressure	End Load	qty	size	length	Part #	Part #
0.20		PSI at <b>70°F (21°C)</b>	(Lbs.)	qıy	3126	lengui	with <i>EPDM</i> gasket	with <i>Buna-N</i> gasket
1½"	1.900"	500	1418	2	3/8"	21/4"	L215	L215BU
2"	2.375"	500	2215	2	3/8"	2"	L02	L02BU
21/2"	2.875"	300	3246	2	3/8"	2"	L025	L025BU
3"	3.500"	300	4811	2	1/2"	23/4"	L03	L03BU
4"	4.500"	300	6362	2	1/2"	23/4"	L04	L04BU
5"	5.563"	300	9722	2	5/8"	3¼"	L05	L05BU
6"	6.625"	300	13789	2	5/8"	3¼"	L06	L06BU
8"	8.625"	300	20449	2	3/4"	41/4"	L08	L08BU
10"	10.750"	350	29815	2	3/4"	41/4"	L010	L010BU
12"	12.750"	350	40581	2	<sup>7</sup> ∕8"	5"	L012	L012BU





A	В	С
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"

# NSE.

## Lite® Couplings - Stainless Steel

#### Applications:

designed for use on rigid, locked-in pipe connections

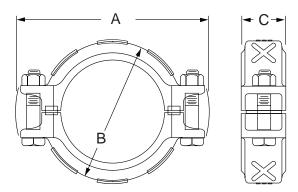
#### Features

- 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	Pipe	Maximum	Maximum		Bolts		316 Stainless Steel Part #
Size	OD	Working Pressure (PSI)	End Load (Lbs.)	qty	size	length	
2"	2.375"	300	1329	2	3/8"	21/4"	RL02V
3"	3.500"	300	2886	2	1/2"	2¾"	RL03V
4"	4.500"	300	4771	2	1/2"	2¾"	RL04V



А	В	С
5%"	35/8"	13/4"
65%"	45/8"	1¾"
7¾"	6"	11/8"









## Rigid Couplings - Series R, Style 5

#### Application:

- Application:

  o ideal for fire protection, plumbing, low pressure air and drainage

  Features:

  lightweight, low pressure

  galvanized ductile iron body

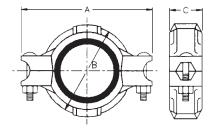
  small gripping teeth hold the housing into the groove allowing a straight run of pipe and preventing any flex at the joint

  Underwriters Listed and Factory Mutual approved

  see pages 695, 701 for replacement gaskets, nuts and bolts



Naminal	Dino	Maximum	Maximum		Bolts		Ducti	le Iron
Nominal Size	Pipe OD	Working Pressure PSI at <b>70°F (21°C)</b>	End Load (Lbs.)	qty	size	length	Part # with <i>EPDM</i> gasket	Part # with <i>Buna-N</i> gasket
2"	2.375"	175	4425	2	3/8"	2"	R72	R72BU
21/2"	2.875"	175	6490	2	3/8"	2"	R725	R725BU
3"	3.500"	175	9620	2	1/2"	23/4"	R73	R73BU
4"	4.500"	175	12720	2	1/2"	23/4"	R74	R74BU
6"	6.625"	175	27570	2	5/8"	31/4"	R76	R76BU
8"	8.625"	175	35050	2	3/4"	41/4"	R78	R78BU





A	В	С
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"

## K

#### **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
- nly 🛕
- 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	<i>Aluminum</i> 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"	500	L02BL
3"	300	L03BL
4"	300	L04BL







#### Mechanical Tees - Series T

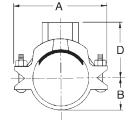
Provides a fast easy way to along a length of pipe. After pipe at the location of the brothe clamps around the pipe connection. See chart below ductile iron body with rust in supplied with EPDM gasket Underwriters Listed and Factorial Connection. • Provides a fast easy way to install a threaded connection 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

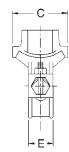
· Comparable to: Victaulic's #920 Grinnell's #7045

- ductile iron body with rust inhibiting paint
- 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



Nominal Size	Branch Size	Hole Saw Diameter	Maximum End Load (Lbs.)	qty	Bolts size	length	<i>Ductile Iron</i> Part #
2"	1" 1¼" 1½"	1½" 1¾" 1¾"	15/8" 17/8" 17/8"	2 2 2	3/8" 3/8" 3/8" 3/8"	2" 2" 2"	MT2010 MT20125 MT20150
2½"	11/4"	2"	21/8"	2	1/2"	25/8"	MT250125
3"	1" 1½"	1½" 2"	1 <sup>5</sup> / <sub>8</sub> " 2 <sup>1</sup> / <sub>8</sub> "	2 2	1/2" 1/2"	2 <sup>3</sup> / <sub>4</sub> " 2 <sup>3</sup> / <sub>4</sub> "	MT3010 MT30150
4"	1" 1¼" 1½" 2" 2½" 3"	1½" 2" 2" 2½" 2½" 2½" 3½"	15/8" 21/8" 21/8" 25/8" 25/8" 27/8" 35/8"	2 2 2 2 2 2	1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	2 <sup>3</sup> / <sub>4</sub> " 2 <sup>3</sup> / <sub>4</sub> " 2 <sup>3</sup> / <sub>4</sub> " 2 <sup>3</sup> / <sub>4</sub> " 2 <sup>3</sup> / <sub>4</sub> "	MT4010 MT40125 MT40150 MT4020 MT40250 MT4030
6"	1½" 1½" 2" 3"	2½" 2½" 2½" 3½"	2 <sup>5</sup> / <sub>8</sub> " 2 <sup>5</sup> / <sub>8</sub> " 2 <sup>5</sup> / <sub>8</sub> " 3 <sup>5</sup> / <sub>8</sub> "	2 2 2 2	5/8" 5/8" 5/8" 5/8" 5/8"	3½" 3½" 3½" 3½"	MT60125 MT60150 MT6020 MT6030





Α	В	С	D	E
4½"	13/8"	2¾"	21/4"	11/8"
4½"	13/8"	2¾"	2½"	11//8"
4½"	13/8"	2¾"	2½"	11//8"
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"	21/4"
10-5/32"	3-11/16"	4-1/8"	4-7/8"	21/4"
10-5/32"	3-11/16"	4-1/8"	5"	21/4"
10-5/32"	3-11/16"	5-1/4"	5-3/8"	21/4"



#### Flange Adapters - Series FA

#### Application:

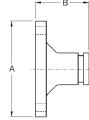
used to connect an ANSI Class 125 and 150 flange to a grooved pipe using a grooved clamp

#### 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 <b>70°F (21°C)</b>	Dimer	nge nsions B	Bo qty	olts size	Ductile Iron Part #
2"	2.375"	300	6"	2-3/8"	4	5/8"	FA20
3"	3.500"	300	71/4"	2-3/8"	4	5/8"	FA30
4"	4.500"	300	81/2"	2-3/8"	8	5/8"	FA40
6"	6.625"	300	11"	2-9/16"	8	3/4"	FA60
8"	8.625"	300	13¼"	3"	8	3/4"	FA80





#### ANSI Split Flanges - Series SF

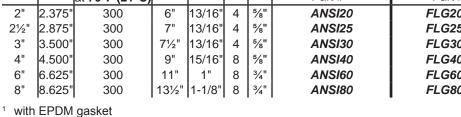
Comparable to:

Victaulic's #741 Grinnell's #7012

#### 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

Nom.	Pipe	Max. Work. Press. PSI	Flange	Dims.	Вс	lts	Ductile Iron	Replacement <i>EPDM</i>
Size	OD	at <b>70°F (21°C)</b>	Α	В	qty	size	with Gasket Part # ¹	Gaskets Part #²
2"	2.375"	300	6"	13/16"	4	5/8"	ANSI20	FLG200E
21/2"	2.875"	300	7"	13/16"	4	5/8"	ANSI25	FLG250E
3"	3.500"	300	7½"	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	13½"	1-1/8"	8	3/4"	ANSI80	FLG800E





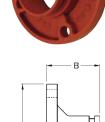
#### Features:

- · ductile iron body with rust inhibiting paint
- · Underwriters Listed and Factory Mutual approved
- · Comparable to:

<sup>2</sup> replacement gasket

Victaulic's #50, Grinnell's #7072

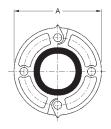
Nominal Size	Nominal Size	Dimensions E to E	Ductile Iron Part #
2"	1½"	2.5"	RAGG20150
2½"	2"	2.5"	RAGG25020
3"	2"	2.5"	RAGG3020
3	2½"	2.5"	RAGG30250
	2"	3.0"	RAGG4020
4"	2½"	3.0"	RAGG40250
	3"	3.0"	RAGG4030
5"	4"	3.5"	RAGG5040
	2"	4.0"	RAGG6020
6"	2½"	4.0"	RAGG60250
О	3"	4.0"	RAGG6030
	4"	4.0"	RAGG6040



























#### Grooved End Fittings - Series 45

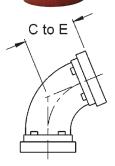
#### Series 45

#### 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

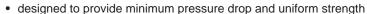


Nominal Size	Dimensions C to E	Ductile Iron Part #
2"	2"	L2045
2½"	21/4"	L2545
3"	2½"	L3045
4"	3"	L4045
5"	3¼"	L5145
6"	3½"	L6045
8"	41/4"	L8045





#### Features:

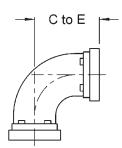


Series 90

- 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



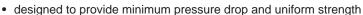
Nominal Size	Dimensions C to E	Ductile Iron Part #
2"	3¼"	L502
2½"	3¾"	L5025
3"	41/4"	L503
4"	5"	L504
6"	6½"	L506
8"	7¾"	L508









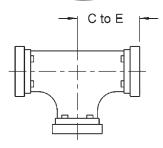


Series T

- 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



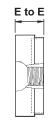
Nominal Size	Dimensions C to E	Ductile Iron Part #
2"	31/4"	T602
2½"	3¾"	T6025
3"	41/4"	T603
4"	5"	T604
6"	6½"	T606
8"	7¾"	T608

#### ANSI Caps with Tapped Outlet - Series EC

#### Feature:

· painted with rust inhibiting paint

Nominal Size	Outlet	Dimensions E to E	Ductile Iron Part #
2"	1"	7/8"	EC201
2½"	1"	7/8"	EC251
3"	1"	7/8"	EC301
4"	1"	1"	EC401
4	2"	1"	EC402
6"	1"	1"	EC601
0	2"	1"	EC602
8"	2"	1-3/16"	EC802





#### 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 E to E	Ductile Iron Part #
2"	7/8"	BEC20
21/2"	7/8"	BEC25
3"	7/8"	BEC30
4"	1"	BEC40
6"	1"	BEC60
8"	1-3/16"	BEC80

## Long Pipe Style Nipples - Series AN

Groove x NPT	Dimensions E to E	Carbon Steel Part #
2"	4"	A712
21/2"	4"	A7125
3"	4"	A713
4"	6"	A714
5"	6"	A715
6"	6"	A716





#### Grooved End x Weld Nipples

**Grooved End Butterfly Valves** 

Nominal Size	<i>Aluminum</i> Part #	<i>Carbon Steel</i> Part #	316 Stainless Steel Part #
2"	AVN2000-200	VN2000-200	VNR2000-200
21/2"	AVN2500-200	VN2500-200	VNR2500-200
3"	AVN3000-200	VN3000-200	VNR3000-200
4"	AVN4000-200	VN4000-200	VNR4000-200







#### 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 Part #
2"	GIBFV200
2½"	GIBFV250
3"	GIBFV300
4"	GIBFV400
6"	GIBFV600
8"	GIBFV800





## GROOVED COUPLING



#### **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
Size	Part #
2"	G200V
3"	G300V
4"	G400V
6"	G600V
8"	G800V
10"	G1000V
12"	G1200V

#### Features:

#### **EPDM Gaskets**

- 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

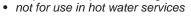




Sizo	EPDM
Size	Part #
1½"	G150E
2"	G200E
21/2"	G250E
3"	G300E
4"	G400E
5"	G500E
6"	G600E
8"	G800E
10"	G1000E
12"	G1200E

#### **Buna Gaskets**

- 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







	<del></del>	
Size	Black Buna with orange stripe	White Buna
Size	Part #	Part #
1½"	G150T	
2"	G200T	
21/2"	G250T	
3"	G300T	
4"	G400T	G400N
5"	G500T	
6"	G600T	
8"	G800T	
10"	G1000T	
12"	G1200T	

## K

#### **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 Part #
3/8"	2"	30	BLT38200
3/8"	2¼"	30	BLT38225
1/2"	2½"	50	BLT50212
1/2"	2¾"	50	BLT50234
1/2"	3"	50	BLT50300
5/8"	3¼"	75	BLT58314
3/4"	4¼"	75	BLT75414
7/8"	5"	200	BLT78500



#### **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 gt.	Tub	GROOVLUB32







## High Density Polyethylene (HDPE) Couplings

pe, Welding Tube Fittings





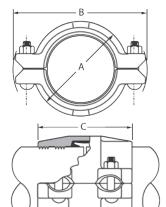
#### Applications:

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

Naminal	Dina		Bolts	_	Ductile Iron		
Nominal Size	Pipe OD	qty	size	length	Part # with <i>EPDM</i> gasket	Part # with <i>Buna-N</i> gasket	
2"	2.375"	4	1/2"	23/8"	HDPE200	HDPE200BU	
3"	3.500"	4	1/2"	3"	HDPE300	HDPE300BU	
4"	4.500"	4	1/2"	3"	HDPE400	HDPE400BU	
6"	6.625"	4	5/8"	3½"	HDPE600	HDPE600BU	



A	В	С
3 <sup>3</sup> / <sub>8</sub> " 4 <sup>5</sup> / <sub>8</sub> " 5 <sup>1</sup> / <sub>4</sub> " 7 <sup>1</sup> / <sub>2</sub> "	5½"	45/8"
45/8"	6¾"	4 <sup>5</sup> / <sub>8</sub> " 5 <sup>3</sup> / <sub>4</sub> " 5 <sup>7</sup> / <sub>8</sub> "
5¼"	8"	5¾"
7½"	11"	5⅓"



#### 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" 3/8" 1/2" 3/4" 1" 11/4" 11/2" 2"	20 x 20 mesh	Y001 Y002 Y003 Y004 Y005 Y006 Y007 Y008





#### **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
11/4"	20 x 20 mesh	59-006	G3231-00
1½"	20 x 20 mesh	59-007	G3229-00
2"	20 x 20 mesh	59-008	G3230-00



replacement screen

#### Polypropylene

- · 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
1½"	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













ME217

ME233



ME502-12/8

ME503-16

#### 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

Male Acme	Male NPT	Female NPT	<i>Brass</i> Part #
13/4"	1¼"		ME217
21/4"	1¼"		ME233
21/4"	1½"	1"	ME502-12/8 <sup>1</sup>
31/4"	2"		ME503-16

<sup>&</sup>lt;sup>1</sup> dual threads - male outside / female inside

#### Male Acme x Female NPT Adapters



Male Acme	Female NPT	<i>Brass</i> Part #
1¾"	1"	ME214
3¼"	2"	ME252-16

#### Male Acme x Male NPT Adapters





ME217S

ME503S-16

Male	Male	Steel
Acme	NPT	Part #
1¾"	1¼"	ME217S
2¼"	1¼"	ME233S
3¼"	2"	ME503S-16

#### Male Acme x Female NPT Adapter



Male	Female	Steel
Acme	NPT	Part #
31/4"	2"	MF252S-16

#### Female Acme x Male Acme Adapters





brass

steel

Female Acme	Male Acme	Material	Part #
3¼"	13/4"	brass	ME612
3¼"	1¾"	steel	ME612S



#### LP Gas Couplings and Adapters

#### Female Acme x Male NPT Filler Couplings, Brass Nut

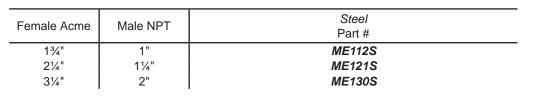
Female Acme Male NPT		Material	Part #
1¾"	1"	brass nut, brass nipple	ME112
21/4"	1¼"	brass nut, brass nipple	ME120
21/4"	1¼"	brass nut, steel nipple	ME120S
31/4"	2"	brass nut, steel nipple	ME130



ME120 ME112



#### Female Acme x Male NPT Filler Couplings, Steel Nut







ME112S

ME121S



ME130S

#### **Acme Gaskets**

Size	Nitrile Part #
1¾"	MEW2
2¼"	MEW5
3¼"	MEW6



#### **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		Material	Part #
1"	1" male NPT	steel nipple, 2-piece ductile iron clamp	ME3162-16
11/4"	1¼" male NPT	steel nipple, 2-piece ductile iron clamp	ME3162-20
1½"	1½" male NPT	steel nipple, 2-piece ductile iron clamp	ME3162-24
2"	2" male NPT	steel nipple, 2-piece ductile iron clamp	ME3162-32
2"	31/4" female Acme	steel nipple, brass nut, 2-piece ductile iron clamp	ME3162-32B
2"	3¼" female Acme	steel nipple, steel nut, 2-piece ductile iron clamp	ME3162-32S



ME3162-20



ME3162-32B

#### Acme Spanner Wrench

#### Feature:

used on 1¾", 2¼", 3¼" and 4¼" fittings















ME441F

## **Metal Caps**

LP Gas Hose Caps and Plugs

Female Acme Threads	Description	Material	Part #
13/4"	cap with ring and chain	brass	ME229-1
1¾"	cap with ring and chain	steel	ME229S-1
21/4"	cap with knob plug and chain	brass	ME431F-1
21/4"	cap with knob plug, ring and chain	steel	ME431FS-1
31/4"	cap with knob plug, ring and chain	brass	ME441F-1
31/4"	cap with knob plug, ring and chain	steel	ME441FS-1







ME109-NH3-1

#### **Plastic Caps**

Female Acme Threads	Description	<i>Plastic</i> Part #
1¾" 1¾"	cap with ring and chain, yellow cap with chain assembly, for anhydrous service	ME109-1 ME109-NH3-1

### **Plastic Dust Plugs**



ME179-1



ME180-1



Male Acme Threads	Description	<i>Plastic</i> Part #
1¾"	plug with dust seal and chain assembly, yellow	ME179-1
21/4"	plug with dust seal and chain assembly, yellow	ME180-1
31/4"	plug with dust seal and chain assembly, yellow	ME181-1



# Pipe, Weldin & Tube Fittin

#### Instrumentation Fittings

#### Applications:

- high pressure
- high temperature
- nitrogen
- helium

- · flammable gases
- hydraulic gases
- · corrosive media
- pneumatic automation

#### **Installation Instructions:**

- Cut tubing squarely and clean tube end thoroughly to remove burrs.
- 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 1½ turns, while holding the body with a second wrench.

#### Suggested Working Pressures (PSI)

wall thk.	.028	.035	.049	.065	.083	.095	.109
1/4"	4,000	5,100	7,500	10,100			
3/8"		3,300	4,700	6,600			
1/2"		2,600	3,700	5,000	6,600		
5/8"			2,900	3,900	5,200	6,000	
3/4"			2,400	3,200	4,200	4,900	5,700

#### 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
	1/8"-27	200-1-2	2-DMC-2	10
1/8"	½"-18	200-1-4	2-DMC-4	10
	1/8"-27	400-1-2	4-DMC-2	10
4 ( 11	1/4"-18	400-1-4	4-DMC-4	10
1/4"	%"-18	400-1-6	4-DMC-6	10
	1⁄2"-14	400-1-8	4-DMC-8	10
	1/4"-18	600-1-4	6-DMC-4	10
3/8"	3⁄8"-18	600-1-6	6-DMC-6	10
	1/2"-14	600-1-8	6-DMC-8	10
	1/4"-18	810-1-4	8-DMC-4	10
1/2"	3⁄8"-18	810-1-6	8-DMC-6	10
	1/2"-14	810-1-8	8-DMC-8	10
5/8"	1/2"-14	1010-1-8	10-DMC-8	10
	1/2"-14	1210-1-8	12-DMC-8	10
3/4"	3/4"	1210-1-12	12-DMC-12	10
	1"	1210-1-16	12-DMC-16	10
1"	3/4"	1610-1-12	16-DMC-12	10
1	1"	1610-1-16	16-DMC-16	10





#### **Female Connectors**

Tube OD	Female NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	1/8"-27	200-7-2	2-DFC-2	10
1/4"	1/8"-27	400-7-2	4-DFC-2	10
74	1/4"-18	400-7-4	4-DFC-4	10
3/8"	1/4"-18	600-7-4	6-DFC-4	10
	1/2"-14	600-7-8	6-DFC-8	10
1/2"	1/2"-14	810-7-8	8-DFC-8	10
5/8"	1/2"	1010-7-8	10-DFC-8	10
3/4"	1/2"	1210-7-8	12-DFC-8	10
	3/4"	1210-7-12	12-DFC-12	10
1"	1"	1610-7-16	16-DFC-16	10





## Instrumentation Fittings

#### Unions



Tube OD	Interchanges	316 Stainless Steel Part #	Pkg Qty
½" X ½"	200-6	2-DU	10
1/4" X 1/8"	400-6-2	4-DU-2	10
1/4" x 1/4"	400-6	4-DU	10
3/8" X 1/4"	600-6-4	6-DU-4	10
3/8" X 3/8"	600-6	6-DU	10
½" x ½"	810-6	8-DU	10
5/8" x 5/8"	1010-6	10-DU	10
3/4" X 3/4"	1210-6	12-DU	10
1" x 1"	1610-6	16-DU	10

#### **Bulkhead Unions**



Tube OD	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	400-61	4-DBHU-4	10
3/8"	600-61	6-DBHU-6	10
1/2"	810-61	8-DBHU-8	10
5/8"	1010-61	10-DBHU-10	10
3/4"	1210-16	12-DBHU-12	10
1"	1610-16	16-DBHU-16	10

#### Reducers



Tube OD	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4" X 1/8"	400-R-2	4-DRATT-2	10
3/8" X 1/4"	600-R-4	6-DRATT-4	10
3/8" X 1/2"	600-R-8	6-DRATT-8	10
½" X ¾"	810-R-12	8-DRATT-12	10
3/4" X 1/2"	1210-R-8	12-DRATT-8	10
3/4" x 1"	1210-R-16	12-DRATT-16	10

#### Male Elbows





Tube OD	Male NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	1/8"-27	400-2-2	4-DME-2	10
/4	1/4"-18	400-2-4	4-DME-4	10
3/8"	1/4"-18	600-2-4	6-DME-4	10
	3⁄8"-18	600-2-6	6-DME-6	10
1/2"	1/2"-14	810-2-8	8-DME-8	10
3/4"	1/2"-14	1210-2-8	12-DME-8	10
74	3/4"	1210-2-12	12-DME-12	10
1"	3/4"	1610-2-12	16-DME-12	10
I	1"	1610-2-16	16-DME-16	10

#### **Female Elbows**



Tube OD	Female NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	1/8"-27	400-8-2	4-DFE-2	10
3/8"	1/4"-18	600-8-4	6-DFE-4	10
1/2"	1/2"-14	810-8-8	8-DFE-8	10
3/4"	1/2"	1210-8-8	12-DFE-8	10
3/4"	3/4"	1210-8-12	12-DFE-12	10
1"	1"	1610-8-16	16-DFE-16	10

## K

## Instrumentation Fittings

#### **Union Elbows**

Tube OD Interchanges		316 Stainless Steel Part #	Pkg Qty
1/4"	400-9	4-DELU-4	10
3/8"	600-9	6-DELU-6	10
1/2"	810-9	8-DELU-8	10
5/8"	1010-9	10-DELU-10	10
3/4"	1210-9	12-DELU-12	10
1"	1610-9	16-DELU-16	10





#### **Male Branch Tees**

Tube OD	Male NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	1/8"-27	200-3TTM	2-DTTM-2	10
1/4"	1⁄4"-18	400-3-4TTM	4-DTTM-4	10
1/2"	3/8"	810-3TTM	8-DTTM-6	10
1/2"	1/2"	810-3-8TTM	8-DTTM-8	10
3/4"	1/2"	1210-3-8TTM	12-DTTM-8	10
3/4"	3/4"	1210-3TTM	12-DTTM-12	10
1"	3/4"	1610-3-12TTM	16-DTTM-12	10
1"	1"	1610-3-16TTM	16-DTTM-16	10



#### **Female Branch Tees**

Tube OD	Female NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	1/4"-18	400-3-4TTF	4-DTTF-4	10



#### **Union Tees**

Tube OD	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	400-3	4-DTTT-4	10
3/8"	600-3	6-DTTT-6	10
1/2"	810-3	8-DTTT-8	10
5/8"	1010-3	10-DTTT-10	10
3/4" X 3/8"	1210-3-12-6	12-DTTT-6	10
3/4" X 1/2"	1210-3-12-8	12-DTTT-8	10
3/4"	1210-3	12-DTTT-12	10
1" x ¾"	1610-3-12-16	16-DTTT-12	10
1"	1610-3	16-DTTT-16	10





#### Male Run Tees

Tube OD	Male NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	1/8"-27	200-3TMT	2-DTMT-2	10
1/4"	1/4"-18	400-3-4TMT	4-DTMT-4	10
3/8"	1/4"-18	600-3TMT	6-DTMT-4	10
1/2"	3/8"	810-3TMT	8-DTMT-6	10
1/2"	1/2"	810-3-8TMT	8-DTMT-8	10
3/4"	3/4"	1210-3TMT	12-DTMT-12	10
1"	1"	1610-3-16TMT	16-DTMT-16	10





## Instrumentation Fittings

#### **Front Ferrules**



Tube OD Interchanges		316 Stainless Steel Part #	Pkg Qty
1/8" 203-1		DFC-2	10
1/4"	403-1	DFC-4	10
3/8"	603-1	DFC-6	10
1/2"	813-1	DFC-8	10
5/8"	1013-1	DFC-10	10
3/4"	1213-1	DFC-12	10
1"	1613-1	DFC-16	10

#### **Rear Ferrules**



_		<del> </del>	2/20/1/20/1	
	Tube OD	Interchanges	316 Stainless Steel	Pkg
	1000 00	interentingee	Part #	Qty
	1/8"	204-1	DRC-2	10
	1/4"	404-1	DRC-4	10
	3/8"	604-1	DRC-6	10
	1/2"	814-1	DRC-8	10
	5/8"	1014-1	DRC-10	10
	3/4"	1214-1	DRC-12	10
	1"	1614-1	DRC-16	10

#### Nuts



Tube OD		Interchanges	316 Stainless Steel Part #	Pkg Qty
•	1/4"	402-1	DN-4	10
	3/8"	602-1	DN-6	10
	1/2"	812-1	DN-8	10
	5/8"	1012-1	DN-10	10
	3/4"	1212-1	DN-12	10
	1"	1612-1	DN-16	10

#### Caps



Tube OD	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	400-C	4-DCAP	10
3/8"	600-C	6-DCAP	10
1/2"	810-C	8-DCAP	10
5/8"	1010-C	10-DCAP	10
3/4"	1210-C	12-DCAP	10
1"	1610-C	16-DCAP	10

## Plugs



Tube OD	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	400-P	4-DFPLUG	10
3/8"	600-P	6-DFPLUG	10
1/2"	810-P	8-DFPLUG	10
5/8"	1010-P	10-DFPLUG	10
3/4"	1210-P	12-DFPLUG	10
1"	1610-P	16-DFPLUG	10



# Pipe, Welding & Tube Fitting

#### **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.

F:w: 0:	T. L. OD . T. L. W.	Tb - \\/.	Turns required to tigh		PSI @
Fitting Size	Tube OD	Tube Wall	60C Series with soft metal tubing	60PT Series with thermoplastic tubing	73°F (23°C)
2"	1/8"	.030	11/4	-	400
3"	3/16"	.030	1¼	-	400
4"	1/4"	.030	11/4	2	300
5"	5/16"	.032	11/4	2	300
6"	3/8"	.032	21/4	2	200
8"	1/2"	.032	21/4	2	200
10"	5/8"	.035	21/4	2	150
12"	3/4"	.035	21/4	2	100
14"	7/8"	.035	21/4	-	75

#### **Male Connectors**

#### Feature:

• reference SAE 060102 BA

		Dunna
Tube Size	Pipe Thread	Brass
		Part #
1/8"	1/8"	68C-0202
3/16"	1/8"	68C-0302
3/10	1/4"	68C-0304
	1/8"	68C-0402
4 / 4 !!	1/4"	68C-0404
1/4"	3/8"	68C-0406
	1/2"	68C-0408
5/16"	1/8"	68C-0502
5/16	1/4"	68C-0504
	1/8"	68C-0602
3/8"	1/4"	68C-0604
3/0	3/8"	68C-0606
	1/2"	68C-0608
7/16"	1/4"	68C-0704
	1/4"	68C-0804
1/2"	3/8"	68C-0806
	1/2"	68C-0808
	3/8"	68C-1006
5/8"	1/2"	68C-1008
	3/4"	68C-1012
3/4"	1/2"	68C-1208
3/4	3/4"	68C-1212
7/8"	3/4"	68C-1412







## Compression Fittings

#### **Female Connectors**

#### Feature:

• reference SAE 060103 BA



Tube Size	Pipe Thread	<i>Brass</i> Part #
1/8"	1/8"	66C-0202
3/16"	1/8"	66C-0302
3/10	1/4"	66C-0304
1/4"	1/8"	66C-0402
1/4	1/4"	66C-0404
5/16"	1/8"	66C-0502
3/10	1/4"	66C-0504
	1/8"	66C-0602
3/8"	1/4"	66C-0604
3/0	3/8"	66C-0606
	1/2"	66C-0608
	1/4"	66C-0804
1/2"	3/8"	66C-0806
	1/2"	66C-0808
5/8"	1/2"	66C-1008

#### **Unions**

#### Feature:

• reference SAE 060101 BA



Tube Size	<i>Brass</i> Part #
1/8"	62C-02
3/16"	62C-03
1/4"	62C-04
5/16"	62C-05
3/8"	62C-06
7/16"	62C-07
1/2"	62C-08
5/8"	62C-10
3/4"	62C-12
7/8"	62C-14



#### **Union Reducers**

#### Feature:

• reference SAE 060101 BA



Tube Size	<i>Brass</i> Part #
1/4" x 3/16"	62C-0403
3/8" x 1/4"	62C-0604
1/2" x 3/8"	62C-0806
5/8" x 3/8"	62C-1006

#### **Bulkhead Unions**



Tube Size	<i>Brass</i> Part #
1/4"	62CBH-04
3/8"	62CBH-06

### Compression Fittings

#### **Straight Through Tank Fittings**

Tube Size	Pipe Thread	<i>Brass</i> Part #
3/16"	1/8"	682C-0302
3/8"	3/8"	682C-0606
1/2"	1/2"	682C-0808





#### **Female Elbows**

#### Feature:

• reference SAE 060203 BA

Tube Size	Pipe Thread	<i>Brass</i> Part #
1/8"	1/8"	170C-0202
3/16"	1/8"	170C-0302
1/4"	1/8"	170C-0402
1/4	1/4"	170C-0404
3/8"	1/4"	170C-0604
3/0	3/8"	170C-0606
7/16"	1/4"	170C-0704
1/2"	3/8"	170C-0806



#### **Male Elbows**

#### Feature:

• reference SAE 060202 BA

Tube Size	Pipe Thread	<i>Brass</i> Part #
1/8"	1/8"	269C-0202
3/16"	1/8"	169C-0302
3/10	1/4"	169C-0304
	1/8"	169C-0402
1/4"	1/4"	169C-0404
	3/8"	169C-0406
	1/8"	169C-0502
5/16"	1/4"	169C-0504
	3/8"	169C-0506
	1/8"	169C-0602
3/8"	1/4"	169C-0604
3/0	3/8"	169C-0606
	1/2"	169C-0608
	1/4"	169C-0804
1/2"	3/8"	169C-0806
	1/2"	169C-0808
5/8"	1/2"	169C-1008
2/4"	1/2"	169C-1208
3/4"	3/4"	169C-1212





#### 45° Elbows

Tube Size	Pipe Thread	<i>Brass</i> Part #
1/4"	1/8"	179C-0402
/4	1/4"	179C-0404
	1/8"	179C-0602
3/8"	1/4"	179C-0604
	3/8"	179C-0606
1/2"	3/8"	179C-0806





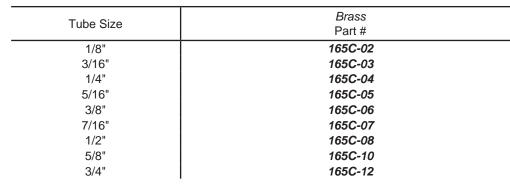
# Pipe, Welding Tube Fittings

## **Compression Fittings**

#### **Union Elbows**

#### Feature:

• reference SAE 060201 BA





#### **Male Branch Tees**

#### Feature:

• reference SAE 060425 BA



Tube Size	Pipe Thread	<i>Brass</i> Part #
1/8"	1/8"	172C-0202
3/16"	1/8"	172C-0302
1/4"	1/8"	172C-0402
1/4	1/4"	172C-0404
	1/8"	172C-0602
3/8"	1/4"	172C-0604
	3/8"	172C-0606
1/2"	3/8"	172C-0806



#### **Female Branch Tee**

Tube Size	Pipe Thread	<i>Brass</i> Part #
1/4"	1/8"	177C-0402



#### **Union Tees**

#### Feature:

• reference SAE 060401 BA



Tube Size	Tube Size	Brass
1 and 2	3	Part #
1/8"	1/8"	164C-02
3/16"	3/16"	264C-03
1/4"	1/4"	164C-04
5/16"	5/16"	164C-05
3/8"	3/8"	164C-06
1/2"	1/2"	164C-08
5/8"	5/8"	164C-10
3/4"	3/4"	164C-12
3/8"	1/4"	164C-06-06-04
1/2"	3/8"	164C-08-08-06

## **Compression Fittings**

#### **Male Run Tees**

#### Feature:

• reference SAE 060424 BA

Tube Size	Pipe Thread	<i>Bra</i> ss 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



#### **Adapter Tee**

Tube Size	Male Pipe Thread	Female Straight Thread	<i>Brass</i> Part #
1/4"	1/8"	7/16"-24	176C-0402



#### **Seal Plug**

Tube Size	<i>Bra</i> ss Part #
1/4"	639C-04



#### Inserts

Tube Size	Tube Wall Thickness	<i>Brass</i> Part #
4 /0!!	.016"	63PT-0216
1/8"	.023"	63PT-0223
2/46"	.025"	63PT-0325
3/16"	.040"	63PT-0340
1/4"	.040"	63PT-0440
1/4	.062"	63PT-0462
F/4.C!!	.040"	63PT-0540
5/16"	.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.

#### Feature:

#### **Brass Sleeves**

#### • reference SAE 060115

Tube Size	<i>Brass</i> 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**



Tul	be Size	Acetal Part #	
	1/4"	60PT-04	
į	5/16"	60PT-05	
	3/8"	60PT-06	
	1/2"	60PT-08	
	5/8"	60PT-10	

• 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	<i>Brass</i> Part #
1/8"	5/16"-24	61C-02
3/16"	3/8"-24	61C-03
1/4"	7/16"-24	61C-04
5/16"	1/2"-24	61C-05
3/8"	9/16"-24	61C-06
7/16"	5/8"-24	61C-07
1/2"	11/16"-20	61C-08
5/8"	13/16"-18	61C-10
3/4"	1"-18	61C-12
7/8"	1-1/8"-18	61C-14

#### **Long Nuts**

#### Feature:

• reference SAE 060111



Tube Size	Straight Thread	<i>Brass</i> Part #
1/4"	7/16"-24	61CL-04
5/16"	1/2"-24	61CL-05
3/8"	9/16"-24	61CL-06
1/2"	11/16"-20	61CL-08
5/8"	13/16"-18	61CL-10
3/4"	1"-18	61CL-12



#### 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	
1400	1/4"	.030	
1000	3/8"	.032	
750	1/2"	.032	
650	5/8"	.035	
550	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	Tube Size Pipe Size		Hex	<i>Brass</i> Part #
	1/4"	7/16"-20	9/16"	48F-4-4
1/4"	3/8"	7/16"-20	11/16"	48F-4-6
	1/2"	7/16"-20	7/8"	48F-4-8
	1/8"	5/8"-18	5/8"	48F-6-2
3/8"	1/4"	5/8"-18	5/8"	48F-6-4
/8	3/8"	5/8"-18	11/16"	48F-6-6
	1/2"	5/8"-18	7/8"	48F-6-8
	1/4"	3/4"-16	3/4"	48F-8-4
1/2"	3/8"	3/4"-16	3/4"	48F-8-6
	1/2"	3/4"-16	7/8"	48F-8-8
5/8"	5/8" 3/8"		7/8"	48F-10-6
3/4"	3/4" 3/4"		1-1/16"	48F-12-12





#### Epaturo:

reference SAE 010103

Fieldfille SAL 010103				
Tube Size	Pipe Size	Straight Thread	Hex	<i>Brass</i> Part #
1/4"	1/4"	7/16"-20	11/16"	46F-4-4
	1/4"	5/8"-18	11/16"	46F-6-4
3/8"	3/8"	5/8"-18	13/16"	46F-6-6
	1/2"	5/8"-18	1"	46F-6-8
1/2"	1/4"	3/4"-16	3/4"	46F-8-4
/2	3/8"	3/4"-16	13/16"	46F-8-6
5/8"	3/8"	7/8"-14	7/8"	46F-10-6



**Female Connectors** 

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## Brass SAE 45° Flare Fittings

#### Unions

#### Feature:

• reference SAE 010101



Tube Size	Straight Thread	Hex	<i>Brass</i> Part #
1/4"	7/16"-20	7/16"	42F-4
3/8"	5/8"-18	5/8"	42F-6
1/2"	3/4"-16	3/4"	42F-8

#### **Male Elbows**

#### Feature:

• reference SAE 010202



Tube Size	Pipe Size	Straight Thread	<i>Brass</i> Part #
1/4"	1/8"	7/16"-20	149F-4-2
	1/4"	7/16"-20	149F-4-4
	3/8"	7/16"-20	149F-4-6
3/8"	1/4"	5/8"-18	149F-6-4
	3/8"	5/8"-18	149F-6-6
	1/2"	5/8"-18	149F-6-8
1/2"	1/4"	3/4"-16	149F-8-4
	3/8"	3/4"-16	149F-8-6
	1/2"	3/4"-16	149F-8-8
5/8"	1/2"	7/8"-14	149F-10-8
3/4"	3/4"	1-1/16"-14	149F-12-12

#### **Female Elbows**

#### Feature:

• reference SAE 010203

Tube Size	Pipe Size	Straight Thread	<i>Brass</i> Part #
1/4"	1/4"	7/16"-20	150F-4-4
3/8"	3/8"	5/8"-18	150F-6-6
3/8"	1/2"	5/8"-18	150F-6-8

#### 90° Swivel Elbows



Tube Size	Straight Thread	<i>Brass</i> Part #
1/4"	7/16"-20	166FSV-4-4
3/8"	5/8"-18	166FSV-6-6
1/2"	3/4"-16	166FSV-8-8



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#### Brass SAE 45° Flare Fittings

#### 45° Elbows

#### Feature:

• reference SAE 010302

Tube Size	Pipe Size	Straight Thread	<i>Brass</i> Part #
1/4"	1/4"	7/16"-20	159F-4-4
3/8"	1/4"	5/8"-18	159F-6-4
	3/8"	5/8"-18	159F-6-6
	1/4"	3/4"-16	159F-8-4
1/2"	3/8"	3/4"-16	159F-8-6
	1/2"	3/4"-16	159F-8-8





#### **Union Tees**

#### Feature:

• reference SAE 010401

Tube Size	Straight Thread	<i>Brass</i> Part #
1/4"	7/16"-20	144F-4
3/8"	5/8"-18	144F-6
1/2"	3/4"-16	144F-8



#### **Short Nuts**

#### Features:

- short nut for use when vibration is minimal
- reference SAE 010110

Tube Size	Straight Thread	Hex	<i>Brass</i> Part #
1/4"	7/16"-20	9/16"	41FS-4
3/8"	5/8"-18	3/4"	41FS-6
1/2"	3/4"-16	7/8"	41FS-8
	•	•	•



#### **Long Nuts**

#### Features:

- long nut offers additional vibration capacity
- reference SAE 010111

Tube Size	Straight Thread	Hex	<i>Brass</i> Part #
1/4"	7/16"-20	9/16"	41FL-4
3/8"	5/8"-18	3/4"	41FL-6
1/2"	3/4"-16	7/8"	41FL-8







#### Flareless Bite Fittings

#### **Applications:**

- chemical, pulp and paper, oil and gas refineries, military, air compressors and machine tools
- well-sui applicat.

  Features:

  O Ideally su well-suited for a variety of processing and general hydraulic applications

- 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
- Minimal risk of improper assembly as the ferrule visibly bites into the tubing, allowing installer to visually inspect the bite
- 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

Steel

Steel

Part # FLC2402-04-04

FLC2402-06-06

FLC2402-08-08

FLC2402-12-12

· finger tighten nut and then further wrench tighten nut another 1/3 to 1/2 turn

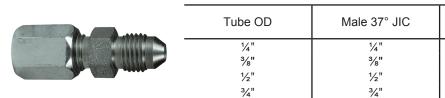
#### Male Tube x Male NPTF Adapters

Tube OD	Male NPTF	Steel
Tube OD	Iviale IVI II	Part #
1/8"	1/8"	FLC2404-02
1/0	1/4"	FLC2404-02-04
3/16"	1/8"	FLC2404-03-02
	1/8"	FLC2404-04-02
1/4"	1/4"	FLC2404-04
1/4	3/8"	FLC2404-04-06
	1/2"	FLC2404-04-08
5/16"	1/8"	FLC2404-05-02
5/16	1/4"	FLC2404-05-04
	1/8"	FLC2404-06-02
3/8"	1/4"	FLC2404-06-04
3/0	3/8"	FLC2404-06
	1/2"	FLC2404-06-08
	1/4"	FLC2404-08-04
4 /0!!	3/8"	FLC2404-08-06
1/2"	1/2"	FLC2404-08
	3/4"	FLC2404-08-12
	3/8"	FLC2404-10-06
5/8"	1/2"	FLC2404-10-08
	3/4"	FLC2404-10-12
	1/2"	FLC2404-12-08
3/4"	3/4"	FLC2404-12
	1"	FLC2404-12-16
	3/4"	FLC2404-16-12
1"	1"	FLC2404-16
	1-1/4"	FLC2404-16-20
4.4/4!!	3/4"	FLC2404-20-12
1-1/4"	1-1/4"	FLC2404-20
1-1/2"	1-1/2"	FLC2404-24
	•	•





#### Male Tube x Male 37° JIC



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#### Male Tube x Female NPTF Adapters

Tube OD	Female NPTF	Steel Part #
1/8"	1/8"	FLC2405-02
1/4"	1/8"	FLC2405-04-02
1/4	1/4"	FLC2405-04
5/16"	1/8"	FLC2405-05-02
3/8"	1/4"	FLC2405-06-04
3/0	3/8"	FLC2405-06
	1/4"	FLC2405-08-04
1/2"	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"	1¼"	FLC2405-20





#### **Tube Unions**

Tube OD	<i>Steel</i> 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	<i>Steel</i> Part #
1/8"	1/8"	FLC2501-02
3/16"	1/8"	FLC2501-03-02
	1/8"	FLC2501-04-02
1/4"	1/4"	FLC2501-04
	3/8"	FLC2501-04-06
5/16"	1/8"	FLC2501-05-02
3/10	1/4"	FLC2501-05-04
	1/8"	FLC2501-06-02
3/8"	1/4"	FLC2501-06-04
3/0	3/8"	FLC2501-06
	1/2"	FLC2501-06-08
	1/4"	FLC2501-08-04
1/2"	3/8"	FLC2501-08-06
1/2	1/2"	FLC2501-08
	3/4"	FLC2501-08-12
5/8"	3/8"	FLC2501-10-06
3/6	1/2"	FLC2501-10-08
2/4"	1/2"	FLC2501-12-08
3/4"	3/4"	FLC2501-12
1"	3/4"	FLC2501-16-12
	1"	FLC2501-16
1¼"	1¼"	FLC2501-20
1½"	1½"	FLC2501-24









#### Male Union 90° Elbows

Tube OD	Steel Part #
1/4"	FLC2500-04
5/16"	FLC2500-05
3/8"	FLC2500-06
1/2"	FLC2500-08
5/8"	FLC2500-10
3/4"	FLC2500-12
1"	FLC2500-16
1-1/4"	FLC2500-20

#### **Male Tube Union Tees**



Tube OD	Steel Part #
1/8"	FLC2603-02
3/16"	FLC2603-03
1/4"	FLC2603-04
5/16"	FLC2603-05
3/8"	FLC2603-06
1/2"	FLC2603-08
5/8"	FLC2603-10
3/4"	FLC2603-12
1"	FLC2603-16
1-1/4"	FLC2603-20

#### **Ferrules**



Tube OD	Steel Part #
1/8"	FLC0319-02
3/16"	FLC0319-03
1/4"	FLC0319-04
5/16"	FLC0319-05
3/8"	FLC0319-06
1/2"	FLC0319-08
5/8"	FLC0319-10
3/4"	FLC0319-12
1"	FLC0319-16
1-1/4"	FLC0319-20
1-1/2"	FLC0319-24



Nut	ss .
Tube OD	<i>Steel</i> Part #
1/8"	FLC0318-02
3/16"	FLC0318-03
1/4"	FLC0318-04
5/16"	FLC0318-05
3/8"	FLC0318-06
1/2"	FLC0318-08
5/8"	FLC0318-10
3/4"	FLC0318-12
1"	FLC0318-16
1-1/4"	FLC0318-20
1-1/2"	FLC0318-24



#### 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

#### 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** Forged Brass Tube Size Part # U008 ½" x ½" 3/4" X 3/4" U016 U020 1" x 1"



#### **Reducing Couplings**

Tube Size	Forged Brass Part #
3⁄4" x 1⁄2"	U058
1" x 3⁄4"	U060



#### **Straight Connectors**

Tube Size	Female NPT	Forged Brass Part #
1/2"	1/2"	U072
3/4"	3/4"	U088
1"	1"	U094



Tube Size	Male NPT	Forged Brass Part #
1/2"	1/2"	U120
3/4"	3/4"	U134
1"	1"	U140





#### **Reducing Connectors**

Tube Size	Female NPT	Forged Brass Part #
1/2"	3/4"	U068



Tube Size	Male NPT	Forged Brass Part #
1/2"	3/4"	U116







## Sharkbite® Push to Connect Fittings

#### Elbows



Tube Size	Forged Brass Part #
½" x ½"	U248
¾" x ¾"	U256
1" x 1"	U260

#### **Drop Ear Elbow**



Tube Size	Female NPT	Forged Brass Part #
1/2"	1/2"	U334

#### Tees



Tube Size	Forged Brass Part #
1/2"	U362
3/4"	U370

#### **Reducing Tee**



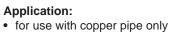
Tube	Tube	Forged Brass
Size (2)	Size	Part #
3/4"	1/2"	U412

#### **End Stops**



Tube Size	Forged Brass Part #
1/2"	U514
3/4"	U518
1"	U520

#### **Slip Couplings**







Tube Size	Forged Brass Part #
1/2"	U3008
3/4"	U3016

#### **Disconnect Clips**



Size	ABS Plastic Part #
1/2"	U710
3/4"	U712
1"	U714



#### **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
- · 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)
  - 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)
  - 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:

1/4" and 1/4" 1.0 ft. lbs. / 1.5Nm 3/8" and 1/2" 2.2 ft. lbs. / 3.0Nm

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Tube OD	Male NPTF	<i>Nylon</i> Part #	Pkg Qty
		1 dit ii	<u> </u>
1/4"	1/8"	65055611WP2	10
74	1/4"	65055614WP2	10
3/"	1/4"	65056014WP2	10
3/8"	3/8"	65056018WP2	10
1/ !!	3/8"	65056218WP2	5
1/2"	1/2"	65056222WP2	5



#### **Female Connectors**

Tube OD	Female NPTF	<i>Nylon</i> Part #	Pkg Qty
1/4"	1/4"	63155614WP2	10
3/8"	3/8"	63156018WP2	10



#### **Faucet Connectors**

Tube OD	Female UNS	<i>Nylon</i> Part #	Pkg Qty
1/4"	7/16-24	632556133WP2	10
3/8"	7/16-24	632560133WP2	10



#### **Fixed Elbows**

Tube OD	Male NPTF	<i>Nylon</i> Part #	Pkg Qty
		** *	
	1/8"	65795611WP2	10
1/4"	1/4"	65795614WP2	10
	3/8"	65795618WP2	10
3/8"	1/4"	65796014WP2	10
78	3/8"	65796018WP2	10







## **LIQUIfit**™ Fittings

#### **Union Elbows**

# ipe, Welding Tube Fittings



Tube OD	<i>Nylon</i> Part #	Pkg Qty
1/4"	63025600WP2	10
3/8"	63026000WP2	10
1/2"	63026200WP2	5

#### **Union Tees**



Tube OD	<i>Nylon</i> Part #	Pkg Qty
1/4"	63045600WP2	10
3/8"	63046000WP2	10
1/2"	63046200WP2	5

#### **Union Connectors**



Tube OD 1	Tube OD 2	<i>Nylon</i> Part #	Pkg Qty
1/ !!	1/4"	63065600WP2	10
1/4"	3/8"	63065660WP2	10
3/8"	3/8"	63066000WP2	10
78	1/2"	63066062WP2	5
1/2"	1/2"	63066200WP2	5

#### **Unequal Union Tee**



Branch Tube OD (1)	Run Tube OD (2)	<i>Nylon</i> Part #	Pkg Qty
1/4"	3/8"	63046056WP2	10

#### **Bulkhead Unions**



Tube OD	<i>Nylon</i> Part #	Pkg Qty
1/4"	63165600WP2	10
3/8"	63166000WP2	10
1/2"	63166200WP2	5

#### **Union Y Connectors**



Tube OD	<i>Nylon</i> Part #	Pkg Qty
1/4"	63405600WP2	10
3/8"	63406000WP2	10
1/2"	63406200WP2	5



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# **LIQUIfit**™ Fittings

#### **Swivel Elbows**

Tube OD	Male NPTF	<i>Nylon</i> Part #	Pkg Qty
	1/8"	65095611WP2	10
1/4"	1/4"	65095614WP2	10
	3/8"	65095618WP2	10
3/8"	1/4"	65096014WP2	10
	3/8"	65096018WP2	10
1/2"	3/8"	65096218WP2	4
/2	1/2"	65096222WP2	4



#### **Swivel Branch Tees**

Tube OD	Male NPTF	<i>Nylon</i> Part #	Pkg Qty
	1/8"	65085611WP2	10
1/4"	1/4"	65085614WP2	10
	3/8"	65085618WP2	10
3/8"	1/4"	65086014WP2	10
	3/8"	65086018WP2	10



#### **Swivel Male Run Tees**

Tube OD	Male NPTF	<i>Nylon</i> Part #	Pkg Qty
	1/8"	65035611WP2	10
1/4"	1/4"	65035614WP2	10
	3/8"	65035618WP2	10
3/8"	1/4"	65036014WP2	10
	3/8"	65036018WP2	10



#### **Stem Adapters**

Tube OD	Male NPTF	<i>Nylon</i> Part #	Pkg Qty
1/4"	1/4"	65215614WP2	10
74	3/8"	65215618WP2	10
3/8"	1/4"	65216014WP2	10
/8	3/8"	65216018WP2	10
1/2"	3/8"	65216218WP2	5
	1/2"	65216222WP2	5





#### **End Stops**

Tube OD	<i>Nylon</i> Part #	Pkg Qty
1/4"	63515600WP2	10
3/8"	63516000WP2	10



#### Plugs

Tube OD	<i>Nylon</i> Part #	Pkg Qty
1/4"	63265600WP2	10
3/8"	63266000WP2	10
1/2"	63266200WP2	5





# **LIQUIfit**™ Fittings

#### **Hose Stems**

ipe, Welding Tube Fittings



Tube OD	Stem	<i>Nylon</i> Part #	Pkg Qty
1/4"	1/4"	63225656WP2	10
	1/4"	63226056WP2	10
3/8"	5/16"	63226008WP2	10
	3/8"	63226060WP2	10
1/2"	3/8"	63226260WP2	10

#### **Plug-in Reducers**



Tube OD	Plug-in	<i>Nylon</i> Part #	Pkg Qty
1/4"	5/16"	63665608WP2	10
1/4"	3/8"	63665660WP2	10
3/8"	1/2"	63666062WP2	5

#### Plug-in Elbows



Tube OD	Plug-in	<i>Nylon</i> Part #	Pkg Qty
1/4"	1/4"	63825600WP2	10
3/8"	3/8"	63826000WP2	10
1/2"	1/2"	63826200WP2	5

#### Plug-in Tees



Tube OD	Plug-in	<i>Nylon</i> Part #	Pkg Qty
1/4"	1/4"	63885600WP2	10
3/8"	3/8"	63886000WP2	10
1/2"	1/2"	63886200WP2	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.

- 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	<i>Polypropylene</i> Part #	Pkg Qty
1/4"	1/4" 3/4"	PP4VMC4-MG PP4VMC6-MG	10 10
3/"	1/4"	PP6VMC4-MG	10
3/8"	3/8"	PP6VMC6-MG	10



#### **Tube to Female NPTF**

Tube OD	Female NPTF	<i>Polypropylene</i> Part #	Pkg Qty
	1/8"	PP4VFC2-MG	10
1/4"	1/4"	PP4VFC4-MG	10
	3/8"	PP4VFC6-MG	10
	1/8"	PP6VFC2-MG	10
3/8"	1/4"	PP6VFC4-MG	10
	3/8"	PP6VFC6-MG	10



#### **Tube to Male NPTF Elbows**

Tube OD	Male NPTF	Polypropylene Part #	Pkg Qty
	1/4"	PP4VME4-MG	10
1/4"	3/8"	PP4VME6-MG	10
	1/2"	PP4VME8-MG	10
3/8"	1/4"	PP6VME4-MG	10
	3/8"	PP6VME6-MG	10
	1/2"	PP6VME8-MG	10





#### **Tube to Female NPTF Elbows**

Tube OD	Female NPTF	<i>Polypropylene</i> Part #	Pkg Qty
1/4"	1/4"	PP4VFE4-MG	10
	3/8"	PP4VFE6-MG	10
3/8"	1/4"	PP6VFE4-MG	10
	3/8"	PP6VFE6-MG	10





#### TrueSeal<sup>™</sup> Ball Valves

# ipe, Welding Tube Fittings

#### **Tube to Tube Unions**

Tube OD 1	Tube OD 2	<i>Polypropylene</i> Part #	Pkg Qty
1/4"	1/4"	PP4VUC4-MG	10
3/8"	1/4"	PP4VUC6-MG	10
3/8"	3/8"	PP6VUC6-MG	10

#### **Tube to Tube Elbow Unions**



Tube OD 1	Tube OD 2	Polypropylene Part #	Pkg Qty
1/4"	1/4"	PP4VEU4-MG	10
74	3/8"	PP4VEU6-MG	10
3/"	1/4"	PP6VEU4-MG	10
3/8"	3/8"	PP6VEU6-MG	10

#### **Tube to Plug-in Elbow Unions**



Tube OD	Stem	Polypropylene Part #	Pkg Qty
1/4"	3/8"	PP4VTEU6-MG	10
3/8"	3/8"	PP6VTEU6-MG	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:



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	<i>Acetal</i> Part #	Pkg Qty
1/4"	A4VC4-MG	25
3/8"	A6VC6-MG	25

DPL418



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Fire Hose...... 732 to 739

#### 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 #
41/11	1-3/4"	50'	A315-50UC
1½"	1-3/4"	100'	A315-100UC
2"	2-1/4"	50'	A320-50UC
	2-1/4"	100'	A320-100UC
01/"	2-13/16"	50'	A325-50UC
2½"	2-13/16"	100'	A325-100UC
3"	3-3/8"	50'	A330-50UC
	3-3/8"	100'	A330-100UC

#### Coupled with female and male expansion ring couplings



Size	Length	Rocker Lug Aluminum NST (NH) Part #	Rocker Lug <i>Brass</i> <i>NST (NH)</i> Part #	Rocker Lug <i>Aluminum</i> <i>NPSH</i> Part #
1½"	50'	A315-50RAF	A315-50RBF	A315-50RAS
1 /2	100'	A315100RAF	A315100RBF	A315100RAS
2"	50"			A320-50RAS
	100'			A320100RAS
2½"	50'	A325-50RAF	A325-50RBF	A325-50RAS
Z/2	100'	A325100RAF	A325100RBF	A325100RAS
3"	50'			A330-50RAS
3	100'			A330100RAS

#### 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'	A510-50UC
I	1-1/4"	100'	A510-100UC
1½"	1-3/4"	50'	A515-50UC
I /2	1-3/4"	100'	A515-100UC
01/"	2-13/16"	50'	A525-50UC
2½"	2-13/16"	100'	A525-100UC



#### Coupled with female and male expansion ring couplings

		Rocker Lug	Rocker Lug	Rocker Lug
Size	l a a ath	Aluminum	Brass	Aluminum
Size	Length	NST (NH)	NST (NH)	NPSH
		Part #	Part #	Part #
1"	50'	A510-50RAF		A510-50RAS
ı	100'	A510100RAF		A510100RAS
	25'	A515-25RAF		A515-25RAS
1½"	50'	A515-50RAF	A515-50RBF	A515-50RAS
1 1/2	75'	A515-75RAF		A515-75RAS
	100'	A515100RAF	A515100RBF	A515100RAS
	25'	A525-25RAF		A525-25RAS
2½"	50'	A525-50RAF	A525-50RBF	A525-50RAS
	75'	A525-75RAF		
	100'	A525100RAF	A525100RBF	A525100RAS



#### 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 Part #
1½"	combo lug, brass	50'	A515U50CBF
21/2"	combo lug, brass	50	A525U50CBF





#### 500# Single Jacket Fire Hose - Color Impregnated



#### 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 #
	rocker lug, aluminum, NST (NH)	50'	yellow	A515Y50RAF
41/11	rocker lug, aluminum, NPSH	50'	yellow	A515Y50RAS
	rocker lug, aluminum, NST (NH)	50'	red	A515R50RAF
1½"	rocker lug, aluminum, NPSH	50'	red	A515R50RAS
	rocker lug, aluminum, NST (NH)	50'	orange	A515OR50RAF
	rocker lug, aluminum, NPSH	50'	orange	A515OR50RAS

#### 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





		Rocker Lug	Rocker Lug	Rocker Lug
Size	Length	Aluminum	Brass	Aluminum
Size	Lengui	NST (NH)	NST (NH)	NPSH
		RAF	RBF	RAS
	25'	D815-25RAF		
1½"	50'	D815-50RAF	D815-50RBF	D815-50RAS
	100'	D815100RAF	D815100RBF	D815100RAS
	25'	D825-25RAF		
2½"	50'	D825-50RAF	D825-50RBF	D825-50RAS
	100'	D825100RAF	D825100RBF	D825100RAS

#### 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<sup>®</sup>





Size	Thread NH (NST)	Coupling Type	Length	Part #
		rocker lug, aluminum NST (NH)	50'	D815Y50RAF
11/3"	1½"	rocker lug, aluminum NST (NH)	100'	D815Y100RAF
1 /2	1 /2	rocker lug, aluminum NPSH	50'	D815Y50RAS
		rocker lug, aluminum NPSH	100'	D815Y100RAS
1¾"	1½"	rocker lug, aluminum NST (NH)	50' <b>NE</b>	<b>N</b> D817Y50RAF
21/2"	2½"	rocker lug, aluminum NST (NH)	50'	D825Y50RAF
Z/2	2/2	rocker lug, aluminum NST (NH)	100'	1 D825Y100RAF
3"	2½"	rocker lug, aluminum NST (NH)	50'	D8325Y50RAF

#### 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'	SM515W50RAF
	NPSH	50'	SM515W50RAS



#### 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	<i>Brass</i> Expansion Ring Part #	<i>Aluminum</i> Expansion Ring Part #
	NPSH	50'	PW615B50RBS	PW615B50RAS
11/3"	NPSH	100'	PW615B100RBS	PW615B100RAS
1 /2	NST (NH)	50'	PW615B50RBF	PW615B50RAF
	NST (NH)	100'	PW615B100RBF	PW615B100RAF
	NPSH	50'	PW625B50RBS	PW625B50RAS
01/"	NPSH	100'	PW625B100RBS	PW625B100RAS
21/2"	NST (NH)	50'	PW625B50RBF	PW625B50RAF
	NST (NH)	100'	PW625B100RBF	PW625B100RAF



#### 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	Coiled
OIZE	Coupling Type	Lengui	Part #	Part #
	combo lug, brass NST (NH)	50'	R515U50CBF/F	R515U50CBF
1½"	combo lug, brass NST (NH)	100'	R515U100CBF/F	R515U100CBF
1 /2	combo lug, alum. NST (NH)	50'	R515U50RAF/F	R515U50RAF
	combo lug, alum. NST (NH)	100'	R515U100RAF/F	







#### 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 #
	combo lug, brass NST (NH)		R515-50CBF/F	R515-50CBF
1½"	combo lug, brass NST (NH)		R515100CBF/F	R515100CBF
1 /2	combo lug, alum. NST (NH)	50'	R515-50RAF/F	R515-50RAF
	combo lug, alum. NST (NH)	100'	R515100RAF/F	R515100RAF

#### 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 availabe, consult Dixon<sup>®</sup>

#### Uncoupled



Size	Bowl	Length	Part #
1½"	1-13/16"	50'	H515R50UC
2½"	2-13/16"	50'	H525R50UC
1½"	1-13/16"	100'	H515R100UC
2½"	2-13/16"	100'	H525R100UC

#### Coupled with female and male expansion ring couplings



		Rocker Lug	Rocker Lug	Rocker Lug
Size	Length	Aluminum	Brass	Aluminum
Size	Lengui	NST (NH)	NST (NH)	NPSH
		Part #	Part #	Part #
1½"	50'	H515R50RAF	H515R50RBF	H515R50RAS
21/2	50'	H525R50RAF	H525R50RBF	H525R50RAS
1½"	100'	H515R100RAF		H515R100RAS
2½"	100'	H525R100RAF		

#### 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

		Rocker Lug Aluminum	Rocker Lug Aluminum
Size	Length	NST (NH)	NPSH
		Part #	Part #
1"	50'	NF610Y50RAF	NF610Y50RAS
1"	100'	NF610Y100RAF	NF610Y100RAS
1½"	50'	NF615Y50RAF	NF615Y50RAS
1½"	100'	NF615Y100RAF	NF615Y100RAS



#### 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 #
3/4"	50'	NF307Y50GHT
11/2"	50'	NF615-50RAQT1
11/3"	100'	NF615100RAQT1

<sup>&</sup>lt;sup>1</sup> coupled with quarter turn forestry couplings



#### Forestry Mop Up Hose Kit

Description	Part #
kit contains: hose, pouch and nozzle	NF307Y50GHT-KIT



DPL418 877.963.4966 • dixonvalve.com 737

#### 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<sup>®</sup>
- Pressures supplied in the chart below are at ambient temperature 70°F (21°C).

Size	Proof Pressure	Service Test Pressure	Working Pressure
Size	PSI	PSI	PSI
1" - 3"	600	300	270
4"	450	225	200
5"	400	200	180
6"	300	150	135



#### Uncoupled

Size	Bowl	Length	Part #
1"	1-1/4"	50'	H610Y50UC
1½"	1-13/16"	50'	H615Y50UC
2"	2-1/4"	50'	H620Y50UC
2½"	2-13/16"	50'	H625Y50UC
3"	3-3/8"	50'	H630Y50UC
4"	4-3/8"	50'	H440Y50UC
5"	5-3/8"	50'	H450Y50UC

#### Coupled with female and male expansion ring couplings

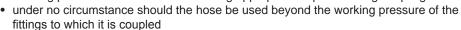


		Rocker Lug	Rocker Lug	Pin Lug	Rocker Lug
Size	Length	Aluminum	Brass	Brass	Aluminum
3126		NST (NH)	NST (NH)	NST (NH)	NPSH
		RAF	RBF	PBF	RAS
1"	50'	H610Y50RAF			H610Y50RAS
1½"	50'	H615Y50RAF	H615Y50RBF	H615Y50PBF	H615Y50RAS
21/2"	50'	H625Y50RAF	H625Y50RBF	H625Y50PBF	H625Y50RAS

#### Coupled with female and male segmented Storz collar style couplings

#### Features.







 assembled hose should be hydrostatically proof tested before use, and thereafter in accordance with NFPA 1962



Size	Length	Storz Size	Part #
4"	50'	4"	H440Y50SZ
5"	50'	5"	H450Y50SZ
5"	100'	5"	H450Y100SZ

#### 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
- 3/4" 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 #
3/4"	50' 100'	80B07-50HCF 80B07-100HCF
1"	50' 100'	80B10-50HCF 80B10-100HCF

# Coupled with female and male NST (NH) thread, hole type coupling, aluminum expansion ring couplings

Size	Length	Part #
3/4"	50' 100'	80B07-50HAF 80B07-100HAF
1"	50' 100'	80B10-50HAF 80B10-100HAF



#### 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' 100'	15B15-50RBF 15B15-100RBF



# Coupled with female and male NST (NH) thread, rocker lug, aluminum expansion ring couplings

Size	Length	Part #
1½"	50' 100'	15B15-50RAF 15B15-100RAF



# Coupled with female and male NPSH thread, rocker lug, aluminum expansion ring couplings

Size	Length	Part #
1½"	50' 100'	15B15-50RAS 15B15-100RAS



#### 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

For Single Jacket Hose - Aluminum					
Size	Thread	Bowl	Aluminum Part #		
1"	NPSH	11/4"	S10125		
1½"	NPSH	1¾"	S16175		
1½"	NPSH	1-11/16"	S16168		
1½"	NPSH	1-13/16"	S16181		
2"	NPSH	21/4"	S20225		
2½"	NPSH	2-13/16"	S26281		
1½"	NST (NH)	1-11/16"	S16168F		
1½"	NST (NH)	1¾"	S16175F		
1½"	NST (NH)	1-13/16"	S16181F		
2½"	NST (NH)	2-11/16"	S26268F		
2½"	NST (NH)	2-13/16"	S26281F		
1½"	MNPT	1-11/16"	MS16168T <sup>1</sup>		
1½"	MNPT	1¾"	MS16175T <sup>1</sup>		
2"	MNPT	2-1/4"	MS20225T 1		
2½"	MNPT	2-11/16"	MS26268T 1		
1 male fitting or	dv	•	•		



#### For Single Jacket Hose - Brass



Thread	Bowl	<i>Brass</i> Part #
NPSH	1-3/4"	RS15175
NPSH	1-13/16"	RS15181
NPSH	2-13/16"	RS25281
NST (NH)	1-3/4"	RS15175F
NST (NH)	1-13/16"	RS15181F
NST (NH)	2-13/16"	RS25281F
	NPSH NPSH NPSH NST (NH) NST (NH)	NPSH 1-3/4" NPSH 1-13/16" NPSH 2-13/16" NST (NH) 1-3/4" NST (NH) 1-13/16"

#### **Expansion Ring Couplings**

#### For Double Jacket Hose - Aluminum



Bowl Part #
13/16" <b>D16181</b>
15/16" <b>D16193</b>
-1/16" <b>D16206</b>
-5/16" <b>D20231</b>
3" <b>D263</b>
13/16" <b>D16181F</b>
15/16" <b>D16193F</b>
-1/16" <b>D16206F</b>
2-7/8" <b>D26287F</b>
3" <b>D263F</b>
13/16" <b>MD16181T</b> <sup>1</sup>
-5/16" <b>MD20231T</b> <sup>1</sup>
2-7/8" <b>MD26287T</b> <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> male fitting only

#### For Double Jacket Hose - Brass



Size	Thread	Bowl	<i>Brass</i> Part #
1½"	NPSH	1-15/16"	RD15193
1½"	NST (NH)	1-15/16"	RD15193F

# Tire Fittings & Accessories

#### **Expansion Rings**

• used with the fire hose couplings listed on page 740

	i		
OD	Longth	Wall Thickness	85/15 red brass
OD	Length	I vali Tilickiless	Part #
1"	11/4"	.05	ER10125
1½"	3/4"	.05	ER1575
1½"	7∕8"	.05	ER1587
1½"	1"	.05	ER1510
1½"	1¼"	.05	ER15125
1¾"	1¼"	.05	ER17125
2½"	1¼"	.062	ER27125
21/2"	1½"	.062	ER27150
3"	2"	.07	ER3020



#### **Swivel Washers**

• used on the swivel end of the fire hose couplings listed on page 740

_				
	ID	OD	Thickness	Buna-N Part #
	1-1/16"	1-7/16"	1/8"	SW100F
	1-9/16"	2-1/16"	1/8"	SW150
	2-1/16"	2½"	1/8"	SW200
	2-9/16"	3-3/16"	3/16"	SW250
	3-1/16"	3-3/4"	1/4	SW300F
	4-1/16"	5-1/8"	1/4"	SW400F
	4-9/16"	5-7/8"	1/4"	SW450F
	5-1/16"	6-3/8"	1/4"	SW500F
	6-1/16"	7-1/8"	1/4"	SW600F
		-	-	-



#### Tail Washers

• used on the tail end of the fire hose couplings listed on page 740

1-1/32" 1-5/16" 3/16" STW100 1-9/16" 1 <sup>3</sup> / <sub>4</sub> " 3/16" RTW150 1-9/16" 1-15/16" 3/16" STW150 1-5/ <sub>8</sub> " 2½" 3/16" DTW150 2-9/16" 3" ½" STW250 2-5/ <sub>8</sub> " 3½" ½" DTW250	ID	OD	Thickness	Buna-N Part #
1-9/16" 1-15/16" 3/16" STW150 1-5%" 2½" 3/16" DTW150 2-9/16" 3" ¼" STW250 2-5%" 3¼" ¼" DTW250	1-1/32"	1-5/16"	3/16"	STW100
1-5%" 21%" 3/16" <b>DTW150</b> 2-9/16" 3" 1/4" <b>STW250</b> 2-5%" 31/4" <b>DTW250</b>	1-9/16"	1¾"	3/16"	RTW150
2-9/16" 3" ¼" STW250 2-5%" 3½" ½" DTW250	1-9/16"	1-15/16"	3/16"	STW150
2-%" 3¼" ¼" <b>DTW250</b>	1-5/8"	21/8"	3/16"	DTW150
	2-9/16"	3"	1/4"	STW250
21/1 2.05/201 1/1 2.1/1	2-5/8"	31/4"	1/4"	DTW250
3/8"   3-25/32"   /4"   <b>DIW300</b>	31/8"	3-25/32"	1/4"	DTW300



## Expansion Ring and Gasket Guide

Coupling Part #	Swivel Washer Part #	Tail Washer Part #	Expansion Ring Part #
D15193 & D15193F	SW150	DTW150	ER15125
D15206F	SW150	G12014	ER15125
D16187 & D16187F	SW150	DTW150	ER15125
D16193 & D16193F	SW150	DTW150	ER15125
D16206 & D16206F	SW150	G12014	ER15125
D253 & D253F	SW250	DTW250	ER27150
D26287F	SW250	DTW250	ER27150
D263 & D263F	SW250	DTW250	ER27150
MD16181T	n/a	STW150	ER15125
MD20231T	n/a	special	special
MD26287T	n/a	DTW250	ER27150
MS16168T	n/a	STW150	ER15125
MS16175T	n/a	STW150	ER15125
MS20225T	n/a	special	special
MS26268T	n/a	STW250	ER27150
RD15193 & RD15193F	SW150	DTW150	ER15125
RD15206 & RD15206F	SW150	G12014	ER15125
RD253 & RD253F	SW250	DTW250	ER27150
RH15168 & RH15168F	SW150	RTW150	ER1575
RH16168F & RH16168F	SW150	RTW150	ER1575
RS15175 & RS15175F	SW150	STW150	ER15125
RS15181 & RS15181F	SW150	STW150	ER1510
RS25281 & RS25281F	SW250	STW250	ER27125
RS25287	SW250	STW250	ER27150
S15175 & S15175F	SW150	RTW150	ER15125
S15181 & S15181F	SW150	RTW150	ER1510
S16168 & S16168F	SW150	STW150	ER15125
S16175 & S16175F	SW150	STW150	ER15125
S16181 & S16181F	SW150	STW150	ER15125
S25281 & S25281F	SW250	STW250	ER27125
S25287 & S25287F	SW250	STW250	ER27150
S26268 & S26268F	SW250	STW250	ER27150
S26275 & S26275F	SW250	STW250	ER27150
S26281 & S26281F	SW250	STW250	ER27150



# Fire Fittings & Accessories

#### 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 #
3/4"	1" NPSH	1-1/4"	ABH08125
1"	1" NST (NH)	1-7/16"	ABH10143F
1"	1" NST (NH)	1-1/2"	ABH10150F



#### 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)

_	
	1/4 Turn Male
Thread	Forged Aluminum
Tilload	Part #
¾" GHT	QTM75GHT-F
1" NPSH	QTM100S-F
1" NPT	QTM100T-F
1½" NST (NH)	QTM150F-F
1½" NPT	QTM150T-F
	1/4 Turn Female
	Forged Aluminum



	74 101111 0111010	
Thread	Forged Aluminum	
Tilleau	Part #	
¾" GHT	QTF75GHT-F	
1" NPSH	QTF100S-F	
1" NPT	QTF100T-F	
1½" NST (NH)	QTF150F-F	
1½" NPT	QTF150T-F	



Forestry Coupling Gasket
Part #
QTG-F



#### **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"	QTX150-F





#### Style V Swing Type Hose Storage Reels

#### Features:

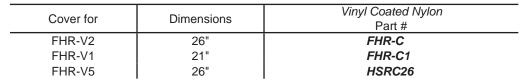
- drum storage of collapsible hose prevents damaging kinks allowing longer hose life
- pivot mounting permits reel to swing to the proper angle preventing twists and kinks
- open sides allow faster hose drying, to prevent mold and mildew
- · red polyester powder coat finish
- · wall mounting is standard, 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

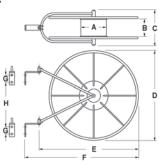
Size	Ho: Rack	se Capa Single	city Double	Α	В	С	D	Е	F	G	Н	Steel Part #
1½" - 1¾"	100'	75'	50'	8"	3"	7½"	21"	23"	27"	2"	11%"	FHR-V1
1½" - 1¾"	150'	100'	75'	8"	3"	7½"	26"	29"	33"	2"	15"	FHR-V2
1½"	300'	200'	150'	8"	5½"	9½"	26"	30"	34"	2"	13"	FHR-V5
2" - 21/2"	150'	100'	75'	8"	5½"	9½"	26"	30"	34"	2"	13"	FHR-V5

#### **Covers for Style V Swing Type Hose Storage Reels**

#### Features:

- Velcro<sup>™</sup> closures
- · printed on both sides







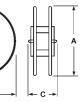
#### Swing Type Hose Storage Reels

#### 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 C	apacity	Steel
HUSE SIZE	Lightweight Rubber Lined		Part #
11/2"	150'	50' - 75'	HSR18
I //2	250'	100'	HSR24
2½"	100'	100'	HSR25-24





#### **Dimensions**

Cover for	А	В	С
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<sup>™</sup> closures for quick release
- "Fire Hose / Keep Clear" printed on one side

Cover for	Dimensions	<i>Vinyl</i> Part #
HSR18	16" - 18"	HSRC18
HSR24	24"	HSRC24
HSR25-24	24" - 25"	HSRC25-24



#### Heavy Duty, High Capacity Swing Type Hose Storage Reel

#### Features:

- welded steel wall bracket swings 180°
- wall bracket adapts to pipes (11/2" 3") with an optional pipe bracket kit
- · red baked enamel finish
- · supplied with hook-and-loop back strap to keep hose securely wound

Size		apacity	16-gauge steel
Size	Single Jacket	Double Jacket	Part #
1½"	200'	150'	DXHDR25HC
21/2"	100'	75'	DANDRZONC



#### 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	<i>Vinyl</i> Part #
DXHDR25HC	I: 26", h: 25", w: 8"	DXHDRC25HC

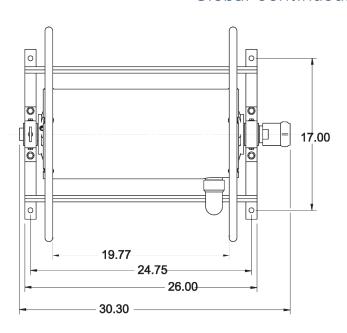


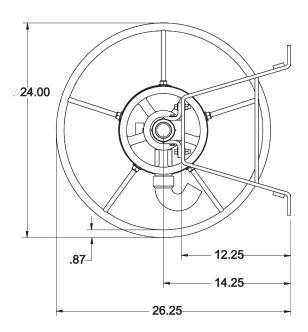
#### Pipe Brackets for Heavy Duty Swing Type Hose Storage Reel

Description	<i>Vinyl</i> Part #		
pipe bracket set	DXHDR25PB		



#### 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	Hose Size and Capacity			Outlet	Steel
3/4"	1"	1½"	Size	Size	Part #
250'	150'	100'	1½" NPT	1½" NPT	FD47IR-150-100



#### **Cover for Global Continuous Flow Hose Reel**

Replacement Inlet Swivel Joint for FD47I-150-100

Cover for	Dimensions	<i>Vinyl</i> Part #
FD47IR-150-100	22" x 24" x 24"	FD47-C2



- Features:
- ball-bearing swivel
- requires no lubrication
- 200 PSI

Size	Cast Brass Part #
1½"	CSSF150T

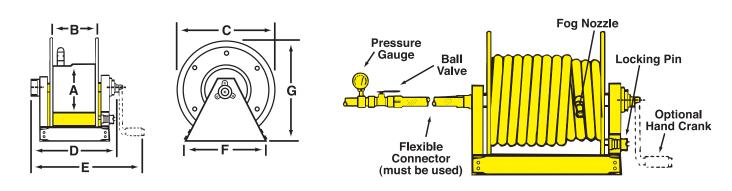
#### Continuous Flow Reels

#### 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.





	ize and C		Α	В	С	D	F	F	G	Inlet	Outlet	Steel
3/4"	1"	1½"	, · ·		•		_	· ·	•	Size	Size	Part #
150'	125'		10½"	11½"	24"	19¼"	24"	21¾"	26"	1"	1"	CFR47-1-100
250'	150'	100'	10½"	20½"	24"	28¼"	33"	21¾"	26"	1½"	1½"	CFR47-150-100
400'	300'	150'	10½"	28"	24"	35¾"	40½"	21¾"	26"	1½"	1½"	CFR47-1-200
		200'	10½"	34"	24"	41¾"	46½"	21¾"	26"	1½"	1½"	CFR47-150-200

#### **Optional Accessories**

Description	Part #
1" x 18" flexible connector (male NPT x male NPT)	DX2836
1½" x 18" flexible connector (male NPT x male NPT)	DX2839
hand crank	CFR-HC
repair kit: contains O-ring, PTFE retaining ring for the inlet casting, spacer washer, and 2 steel retaining rings for the manifold	CFR-RK

#### **Covers for Continuous Flow Hose Reels**

Cover for	Dimensions H x W x D	<i>Vinyl</i> Part #
CFR47-1-100	26" x 20" x 26"	CFR47-C1
CFR47-1-200	26" x 36" x 26"	CFR47-C2
CFR47-150-100	26" x 29" x 26"	CFR47-C3
CFR47-150-200	26" x 42" x 26"	CFR47-C4



#### **Hump Racks**

#### • cor

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

Llaca Cina		Hose Capacity	Steel	
Hose Size	Synthetic	Single Jacket	Double Jacket	Part #
1½" - 1¾"	100'	50'		FHHR-1
1½" - 1¾"	150'	100'	50'	FHHR-3
2" - 21/2"	100'	50'		FHHR-2
2" - 21/2"	150'	100'	50'	FHHR-4
1½" - 1¾"	200'	150'	100'	FHHR-5





Cover for	Dimensions	<i>Vinyl</i> Part #
FHHR-1 or FHHR-2	16" x 25½" x 6"	FHHR-C
FHHR-3 or FHHR-4	24" x 29½" x 6"	FHHR-C4
FHHR-5	33½" x 35½" x 6"	FHHR-C5

#### 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



	Hoos Cizo	Hose Capacity			Steel	
Hose Size		Rack	Single Jacket	Double Jacket	Part #	
	1½" - 1¾"	50'			HR1610-3	
	1½" - 1¾"	100'			HR1610-6	
	1½" - 2½"	200'	150'	100'	HR1610	
	2" - 21/3"	50'		l <u></u>	HR1610-4	

Fire Fittings & Accessories

#### Pin Rack Hose Assembly





Tire Fittings Accessories



- 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' 75' 100'	FHPR150-50CBF FHPR150-75CBF FHPR150-100CBF

#### Semi Automatic Fire Hose Pin Racks

#### Features:

- · red enameled steel
- holds up to 100' of either 11/2" or 21/2" rack hose
- 1½" is UL listed and Factory Mutual approved

Hose Size	For use with:		Steel
Hose Size	Valve	Nipple	Part #
1½"	AVF150	PRN150F	FHPR150
2½"	AVF250	PRN250F	FHPR2515



#### **Covers for Pin Racks**

#### Features:

- 10 oz. red vinyl with Velcro™ closures
- used on FHPR150, FHPR150-50CBF, FHPR150-75CBF, FHPR150-100CBF

Size	Vinyl Part #	
25" x 30" x 6"	PRC	



#### **Pin Rack Nipples**

#### Feature:

· finish: -C polished chrome plated

Male NPT	Male NST (NH)	<i>Brass</i> Part #	
1½"	1½"	PRN150F	
2½"	2½"	PRN250F	



#### **Pin Rack Wall Bracket**

#### Application:

• used to support hose rack independent of a stand pipe valve







Fire Fittings & Accessories

#### 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	
A525-50RAF 1	2½" x 50' single jacket hose	733	4	5	5	
A515-50RAF 1	1½" x 50' single jacket hose	733	2	0	0	
UPP250F1	Underwriters play pipe	750	0	2	2	
BFN250NST1	2½" adjustable fog nozzle	752	2	0	0	
BFN150NST1	1½" adjustable fog nozzle	752	1	0	0	
HA2515F1	2½" x 1½" pin lug adapter	771	1	0	0	
233	universal spanner	799	4	5	5	
189	adjustable hydrant wrench	800	2	2	2	
PHFA6	6 lb. fire axe	820	0	1	1	
FCB48	crowbar		0	1	1	
SW150 1	1½" hose coupling gasket	741, 742, 754, 785	4	5	5	
SW250 1	2½" hose coupling gasket	741, 742, 754, 785, 792	2	0	0	

<sup>&</sup>lt;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"	0610-4
3/8"	1010-6
1/2"	1310-8
5/8"	1610-10
3/4"	1910-12
7/8"	2210-14
1"	2510-16
11/4"	3210-20
1½"	3810-24
13/4"	4510-28
2"	5110-32
2½"	6410-40
3"	7610-48
4"	10210-64



#### 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 Part #
1"	12 yards	FTH100



#### 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 Part #
3"	50'	4055-3







#### **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 1,2)
- supplied with bumper

Size	Thread	90° Spray GPM @ 100 PSI	<i>Brass</i> Part #
3/4"	GHT		BFN75GHT <sup>1</sup>
3/4"	NPSH		BFN75
1"	NPSH	32	BFN100
1½"	NPSH	85	BFN150
2"	NPSH	108	<b>BFN200</b> 1, 2
1"	NST (NH)	32	BFN100NST
1½"	NST (NH)	85	BFN150NST
2½"	NST (NH)	205	BFN250NST <sup>2</sup>

- 1 not UL Listed
- <sup>2</sup> not Factory Mutual approved
- replacement washers can be found on page 741



Fire Fittings &

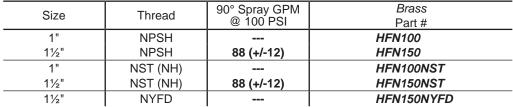






#### Features:

- 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



replacement washers can be found on page 741, flow rate chart on following page 753





#### 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

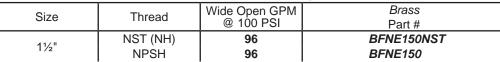
Size	Thread	90° Spray GPM @ 100 PSI	<i>Brass</i> Part #
1½"	NPSH	117	HPFN150
	NST (NH)	117	HPFN150NST

replacement washers can be found on page 741, flow rate chart on following page 753





- 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.



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

Thread	90° Spray GPM @ 100 PSI	Polycarbonate <sup>1</sup> Part #	Polycarbonate <sup>2</sup> Part #
GHT	8.0	FNB75GHT 3, 4	
NPS	30.9	FNB75S <sup>4</sup>	
NPS	11.4	FNB100S <sup>4</sup>	FN100S
NPS	30.9	HGB100S	
NPS	83.6	FNB150S	FN150S
NST (NH)	11.4	FNB100NST	FN100NST
NST (NH)	30.9	HGB100NST	
NST (NH)	83.6	FNB150NST	FN150NST
	GHT NPS NPS NPS NPS NPS NST (NH) NST (NH)	MIREAU @ 100 PSI  GHT 8.0  NPS 30.9  NPS 11.4  NPS 30.9  NPS 83.6  NST (NH) 11.4  NST (NH) 30.9	Inread         @ 100 PSI         Part #           GHT         8.0         FNB75GHT 3, 4           NPS         30.9         FNB75S 4           NPS         11.4         FNB100S 4           NPS         30.9         HGB100S           NPS         83.6         FNB150S           NST (NH)         11.4         FNB100NST           NST (NH)         30.9         HGB100NST           HGB100NST         HGB100NST



Accessories

with bumper



without bumper

- with bumper
- without bumper
- standard flow
- 120° spray GPM @100 PSI
- replacement washers can be found on page 741

#### Fog Nozzle Flow Rate Chart

Part	Inlet P	ressure	Straight	Stream	30	0°	60	O°	9	0°
Number	PSI	kPa	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM
	50	(345)	18	(68)	21	(79)	24	(91)	27	(102)
BFN100	75	(517)	22	(83)	25	(95)	28	(106)	32	(121)
	100	(690)	24	(91)	28	(106)	32	(121)	36	(136)
	50	(345)	90	(341)	120	(454)	130	(492)	145	(549)
BFN250	75	(517)	100	(379)	140	(530)	150	(568)	180	(681)
	100	(690)	110	(416)	165	(625)	180	(681)	205	(776)
HFN100	100	(690)	25	(95)						
HFN150	100	(690)							86	(326)
HPFN150	275	(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	<i>Bra</i> ss Part #
1½"	NST (NH)	100	BRN150NST
	NPSH	100	BRN150

· 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	<i>Brass</i> Part #
1½"	NST (NH)	100	BRN150NST-I
	NPSH	100	BRN150S-I

· replacement washers can be found on page 741













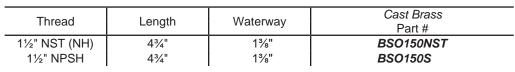


#### Ball Shut-Offs

#### Features:









#### **Replacement Part**

Description	Composite Part #
replacement handle	BSO150-H

#### 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 Part #
1" NST (NH)	43/4"	1/2"	BNT100F
1" NPSH	4¾"	1/2"	BNT100S
11/2" NST (NH)	43/8"	1/2"	BNT150F
11/2" NPSH	43/8"	1/2"	BNT150S

#### Plain Hose Nozzles

#### Features:

- · finish: satin
- maximum operating pressure: 100 PSI (water only) at 70°F (21°C)



		Overall		Poplosoment		Brass
Size	Thread	Length	Orifice	Replacement Gasket	Previous Part #	Part #
3/4"	GHT	6"	1/4"	KRW5	500SN6	BN6
3/4"	NPSH	6"	1/4"	KRW5		BN7
1"	NPSH	8"	5/16"	KRW10		BN10
11/4"	NPSH	10"	3/8"	KRW15		BN12
11/2"	NPSH	10"	1/2"	KRW20		BN15
2"	NPSH	12"	9/16"	SW200		BN20
21/2"	NPSH	12"	1"	KRW35		BN25
1"	NST (NH)	8"	5/16"	SW100F		BN10F
11/2"	NST (NH)	10"	1/2"	SW150		BN15F
21/2"	NST (NH)	12"	1"	SW250		BN25F
1½"	NYFD	10"	1/2"	SW150		BN15NYFD
21/2"	NYFD	12"	1"	SW250		BN25NYFD

#### Twist Nozzles

#### Feature:

• maximum operating pressure 150 PSI (water only)



Thread Size	Longth	Extruded Brass		
Tilleau Size	Length	Previous Part #	Part #	
	4"		BTN75	
¾" GHT	4"		500AN4 <sup>1</sup>	
	6¾"	500-AN7	500AN7 <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 Part #
1½"	NPSH	10"	½"	PN15
	NST (NH)	10"	½"	PN15F



# **UL Play Pipes with Tip**

# (J) <







· 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 11/4" orifice tip

Size	Female	Male	Overall	Brass
Size	Thread	Thread	Length	Part #
2½"	NST (NH)	ULT	30"	UPP250F
	playpip	UPP250F-SPEC		



#### **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 Part #
11/8"	UPPT
11/4"	UPPT125
1½"	UPPT150
1¾"	UPPT175



# Street Cleaning Nozzles

#### Feature:

welded fabrication

Size	Connection	<i>Aluminum</i> Part #
2"	female cam	200DBAL
3"	female cam	300DBAL





# U.S. Coast Guard Approved AFFF / Water Fog Nozzles

#### Application:

· designed for maximum efficiency with AFFF (Aqueous Film Forming Foams) or water on

shipboard, offshore rigs and industrial applications



CGSN150F

#### 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 NST (NH)	Description	Fog Flow GPM @100 PSI	Approval #	<i>Bra</i> ss Part #
1½"	nozzle	95	162.027/13/0	CGSN150F
I //2	nozzle w/pistol grip	95	162.027/14/0	CGSN151F

• Gaskets are special order, please call 877.712.6179 for assistance.

Thread NPSH	Description	Fog Flow GPM @100 PSI	<i>Brass</i> Part #
1½"	nozzle	95	CGSN150S
1 /2	nozzle w/pistol grip	95	CGSN151S

# 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



- 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 GPM @100 PSI	Cast Brass Part #
1½" NST	55	CGN150NST
2½" NST	108	CGN250NST

• 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	<i>Brass</i> Part #
17" x 11½"	3" flange	2½" MNST	3"	1250 GPM	AK3526-300FL

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



### 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 @ 100 PSI	<i>Brass</i> Part #
2½"	NST (NH)	500	AK4450NST

• Gaskets are special order, please call 877.712.6179 for assistance.



#### FirePro™ Monitor

#### Features:

- seamless 21/2" 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	<i>Carbon Steel</i> Part #
22" x 13"	4" flange	2½" MNST	21/2"	750	FP475S

- · Gaskets are special order, please call 877.712.6179 for assistance.
- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

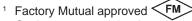


#### Master Stream Nozzles

#### 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	FP500B <sup>1</sup>
	NST (NH)	aluminum	FP500A



• Gaskets are special order, please call 877.712.6179 for assistance.







# Fire Fittings & Accessories

# 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 @ 100 PSI	Polycarbonate <sup>1</sup> Part #	Polycarbonate <sup>2</sup> Global Part #
3/4"	GHT	30.9	SL075GHT <sup>3</sup>	
3/4"	NPSH	30.9	SL075 <sup>3</sup>	
1"	NPSH	30.9	SL100 <sup>3</sup>	PFNB100S
1½"	NPSH	75.0	SL150	PFNB150S
1"	NST (NH)	30.9	SL100NST	
1½"	NST (NH)	75.0	SL150NST	PFNB150NST



- <sup>2</sup> without bumper
- 3 120° spray on 3/4" and 1"



with bumper

without bumper

# 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 @ 100 PSI	Polycarbonate Part #
1½"	NPS	92	FNBE150S
	NST (NH)	92	FNBE150NST

# Fog Nozzles Gaskets



Size	Thread	ID	OD	Thickness	Buna-N Part #
1"	NPSH	0.937"	1.234"	0.125"	FNG100S
1"	NPSH	1.000"	1.375"	0.125"	HGG100S
1½"	NPSH	1.500"	1.827"	0.125"	FNG150S
1"	NST (NH)	0.937"	1.281"	0.125"	FNG100NST
1"	NST (NH)	1.000"	1.375"	0.125"	HGG100NST
1½"	NST (NH)	1.510"	1.906"	0.125"	FNG150NST

· dimensions are nominal

# 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 11/2" are ULC listed
- maximum operating pressure: 100 PSI (water only) at 70°F (21°C)

Size	Thread	90° Spray GPM	Polycarbonate
3126	Trileau	@ 100 PSI	Part #
3/4"	GHT	8	CFB75GHT
1"	NPSH	22	CFB100S
1½"	NPSH	75	CFB150S1
1½"	NPSH	150	HGCFB150S <sup>2</sup>
2"	NPSH	75	CFB2015S <sup>1</sup>
2"	NPSH	150	CFB200S <sup>2</sup>
1"	NST (NH)	22	CFB100NST
1½"	NST (NH)	75	CFB150NST1
1½"	NST (NH)	150	HGCFB150NST <sup>2</sup>
21/2"	NST (NH)	150	CFB250NST <sup>3</sup>
2½"	NST (NH)	215	HGCFB250NST <sup>2,4</sup>

1½" (2.100 ODM X 8 TPI)

1½" (1.933 ODM X 11.5 TPI)

1½" (2.093 ODM X 11 TPI)



- <sup>2</sup> high flow
- provided with handles
- · gaskets located below
- NYF New York Fire Dept. Thread
- CF Chicago Fire Dept. Thread
- NYC New York Corporation Thread
- · Also available CSA, BAT, NSS



21/2" nozzle with handles



21/2" nozzle without handles



11/2" nozzle

# **Blue Refinery Fog Nozzles**

2½" (3.030 ODM X 8 TPI)

2½" (3.000 ODM X 8 TPI)

2½" (2.990 ODM X 7.5 TPI)

#### 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 @ 100 PSI	Polycarbonate Part #
1½"	NPSH	75	RNB150S
	NST (NH)	75	RNB150NST



#### Gaskets

#### Application:

· used on constant flow and refinery fog nozzles

Size	Thread	ID	OD	Thickness	Buna-N Part #
1"	NPSH	0.900"	1.270"	0.125"	CFG100S
1½"	NPSH	1.510"	1.878"	0.125"	CFG150S
2"	NPSH	1.680"	2.340"	0.156"	CFG200S
1"	NST (NH)	0.900"	1.270"	0.125"	CFG100NST
1½"	NST (NH)	1.510"	1.906"	0.125"	CFG150NST
21/2"	NST (NH)	2.250"	3.000"	0.187"	CFG250NST

· dimensions are nominal



# TriFlow Fog Nozzles

#### Features:



- 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	6061 T-6 Aluminum
	Thread	Straight Stream	Part #
1½"	NST	60-100-140	TFN150NST-140
	NPSH	60-100-140	TFN150-140
1½"	NST	75-150-200	TFN150NST-200
	NPSH	75-150-200	TFN150-200



# 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 @ 100 PSI	6061-T6 Aluminum Part #
1"	NPSH	56	AFN100
1"	NST	56	AFN100NST
1½"	NPSH	56	AFN150
1½"	NST	56	AFN150NST

# Heavy Duty Constant Flow Fog Nozzles



Size	Thread	Length	GPM @ 100 PSI	Fiberglass Reinforced Composite Part #
1½"	NPSH	5"	95	CFFR150
	NST (NH)	5"	95	CFFR150NST

#### 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



Size	Thread		40 PSI Stream 2nd	6061-T6 Aluminum Part #
9/4	GHT - without bumper	1-2	3-4	GHN75
	GHT - with bumper	1-2	3-4	GHN75-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	ABN100S
Į.	NST (NH)	ABN100F
1½"	NPSH	ABN150S
1 /2	NST (NH)	ABN150F



# 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)	1¾"	ACPSO150F
	NPSH	1¾"	ACPSO150



# 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	PGA100NST
11/3"	NST	PGA150NST
1 //2	NPSH	PGA150NPSH
2½"	NST	PGA250NST



# Single Gallonage Shut-off Nozzles

#### Features:

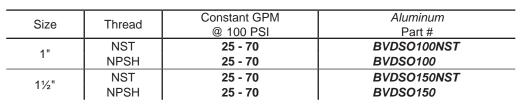
- PTFE hard-coated for greater corrosion resistance and durability
- lightweight and easily maneuvered
- full-time ball bearing swivel base
- metal ball with non-stick Delrin® seats
- 1-1/16" waterway

Size	Thread	Constant GPM @ 100 PSI	Aluminum Part #
1"	NST	95	BVSO100NST
	NPSH	95	BVSO100
1½"	NST	95	BVSO150NST
	NPSH	95	BVSO150
	NST	125	BVSO150NST-125
	NPSH	125	BVSO150-125

# 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



# 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<sup>®</sup> seats

Size	Thread	Constant GPM	Aluminum Part #
	NOT	@ 100 PSI	
	NST	60 - 100 - 140	BVTSO150NST
11/3"	NPSH	60 - 100 - 140	BVTSO150
.,2	NST	75 - 150 - 200	BVTSO150NST-200
	NPSH	75 - 150 - 200	BVTSO150-200
21/2"	NST	100 - 200 - 300	BVTSO250NST

# Global Forestry Fog Nozzles



Size	Size Thread		100 PSI Stream	Anodized Aluminum
		1st	2nd	Part #
1½"	NPSH	23.8	73.9	GFN150
1 /2	NST (NH)	37.6	95.0	GFN150NST





# 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 Straight Stream		6061-T6 Aluminum Part #
	2	1st	2nd	
3/4"	GHT	1-2	3-4 <sup>1</sup>	FFN75GHT <sup>1</sup>
1"	NPSH	12	25	FFN100 <sup>2,4</sup>
1½"	NPSH	25	70	FFN150
1"	NST (NH)	12	25	FFN100NST
1½"	NST (NH)	25	70	FFN150NST 3, 4



FFN100

FFN75GHT

1 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
- both nozzles conform to Forestry Service specification 5100-239C and 5100-107a

# 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 Part #
1"	NPSH	3/4"	FBSO100S
1½"	NPSH	1"	FBSO150S
1"	NST (NH)	3/4"	FBSO100F
1½"	NST (NH)	1"	FBSO150F



# 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 Part #
1"	NPSH	3/4"	FBSO100S-PG
1½"	NPSH	1"	FBSO150S-PG
1"	NST (NH)	3/4"	FBSO100F-PG
1½"	NST (NH)	1"	FBSO150F-PG

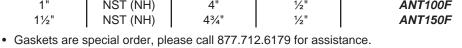


# Ball Shut-Off Nozzles Tips

### Features:

- · lightweight
- maximum operating pressure: 200 PSI (water only) at ambient temperature 70°F (21°C)
- 1/2" orifice standard, other sizes available, contact Dixon®

Size	Thread	Length	Orifice	Anodized Aluminum Part #
1"	NPSH	4"	1/2"	ANT100
1½"	NPSH	4¾"	1/2"	ANT150
1"	NST (NH)	4"	1/2"	ANT100F
1½"	NST (NH)	4¾"	1/2"	ANT150F







#### 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	5½"	1/4"	PFN4005S
	NST (NH)	5½"	1/4"	PFN4005F

# Twin Tip Straight Stream Forestry Nozzles

#### Features:

- molded high strength red polycarbonate
- solid, one-piece reversible twin tip has ¼" and ¾" orifices
- maximum operating pressure: 100 PSI (water only) at ambient temperature 70°F (21°C)

Size	Thread	Length	Length	Orifice of	Polycarbonate
Size	Tilleau	with tip	without tip	base nozzle	Part #
41/1	NPSH	9"	7½"	1/2"	PTTF150S
1½"	NST (NH)	9"	7½"	1/2"	PTTF150F



#### 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	FNPSO150S-30
1 /2	orange	NST (NH)	30	FNPSO150F-30
1½"	red	NPSH	70	FNPSO150S-70
1 /2	orange	NST (NH)	70	FNPSO150F-70



# 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 NST (NH)	PPSO150S PPSO150F



# Fire Fittings & Accessories

# 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	<i>Brass</i> Part #
3/4" GHT	AAPN75GHT



# 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 @ 100 PSI	Color	Global Part #
3⁄4" GHT	25.1	green	FNB75GHT-GD
	25.1	clear	CNB75GHT-GD



# Constant Flow Nozzles with Bumper

#### Feature:

• can be used as a replacement nozzle in the display case FNB75GHT-GD

Thread	45° Spray GPM @ 100 PSI	Color	<i>Plastic</i> Part #
3/4" GHT	8.0 25.1	green clear	GNB75GHT (domestic) CNB75GHT (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 2½" NPT	1½" 2½"	FFH1515F FFH2525F
1½" NST (NH) 2½" NST (NH)	1½" 2½"	FFH15F15F FFH25F25F
Female Thread	Female NYFD	<i>Cast Brass</i> Part #
1½" NYFD 1½" NPT 2½" NPT	1½" 1½" 2½"	FFH15NYFD15NYFD FFH1515NYFD FFH2525NYFD
Female Thread	Female Thread	<i>Cast Brass</i> Part #
1½" NPT	1½" NPSH	FFH15T15S

# 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" 2" 2½" 3"	RSFSA25F15T RSFSA25F20T RSFSA250F RSFSA25F30T

- 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	<i>Cast Brass</i> Part #
1½" NST (NH)	1½" NPT	SF150F
1½" NPSH	1½" NPT	SF150S
21/2" NST (NH)	1½" NPT	SF25F15T
21/2" NST (NH)	2" NPT	SF25F20T
2½" NYFD	2½" NPT	SF250NYFD
21/2" NST (NH)	2½" NPT	SF250F
21/2" NST (NH)	2½" NPT	SF250F-P
21/2" NST (NH)	2½" NPT	SF250F-C
21/2" NPSH	2½" NPT	SF250S
21/2" NST (NH)	3" NPT	SF25F30T
3" NST (NH)	3" NPT	SF300F
3" NYFD	3" NPT	SF300NYFD
4" NST (NH)	4" NPT	SF400F



# 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"	SF150F-D
2½"	2½" 2"	SF250F-D SF25F20T-D



# (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"	RSF150F
2½"	1½" 2" 2½" 3"	RSF25F15T RSF25F20T RSF250F RSF25F30T



- 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	<i>Cast Brass</i> Part #
1½" 2½"	1½" 2½"	DFP1515 DFP2525



Female NST (NH) Thread	Female NST (NH) Thread	Cast Brass Part #
1½"	1½"	DFP1515F
2½"	2½"	DFP2525F

Female NST (NH) Thread	Female NPSH Thread	<i>Cast Brass</i> Part #
1½"	1½"	DFP15F15S
2½"	2½"	DFP25F25S

Female NYFD Thread	Female NYFD Thread	Cast Brass Part #
1½"	1½"	DFP15NYFD15NYFD
2½"	2½"	DFP25NYFD25NYFD

# **Rocker Lug**



Female NPSH Thread	Female NPSH Thread	Cast Brass Part #
1½"	1½"	DFR1515
2½"	2½"	DFR2525

	Female	Female	<i>Cast Brass</i>
	NST (NH) Thread	NST (NH) Thread	Part #
Ī	1½"	1½"	DFR1515F
	2½"	2½"	DFR2525F



# Domestic Double Female Swivels - Pin Lug



Female	Female	Cast Brass
NST (NH) Thread	NST (NH) Thread	Part #
1½"	1½"	DFP1515F-D
2½"	2½"	DFP2525F-D

• Replacement washers can be found on page 785

# Fire Fittings & Accessories

# 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"	N53-15S15T
2"	2"	N53-20S20T
3"	3"	N53-30S30T
6"	6"	N53-60S60T



Female NPSH	Female Rigid	Aluminum Extrusion - Anodized
Swivel Thread	NPSH Thread	Part #
1½"	1½"	N53-15S15S



Female NST (NH) Swivel Thread	Female Rigid NPT Thread	Aluminum Extrusion - Anodized Part #
1½"	1½"	N53-15F15T
2½"	2" 2½" 3" 4"	N53-25F20T N53-25F25T N53-25F30T N53-25F40T
4"	4"	N53-40F40T
4½"	4" 6"	N53-45F40T N53-45F60T
5" 6"	6" 6"	N53-50F60T N53-60F60T



e NST (NH) rel Thread	Female Rigid NST Thread	Aluminum Extrusion - Anodized Part #
1½"	1½"	N53-15F15F
	1½"	N53-25F15F
2½"	21/2"	N53-25F25F
	6"	N53-25F60F
4"	4"	N53-40F40F
6"	41/2"	N53-60F45F
1½" 2½" 4"	1½" 1½" 2½" 6" 4"	N53-15F15F N53-25F15F N53-25F25F N53-25F60F N53-40F40F



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

# Double Swivel Female Adapters - Rocker Lug Style N35



Female NPSH Swivel Thread	Female NPSH Swivel Thread	Aluminum Extrusion - Anodized Part #
1"	1"	N35-10S10S
1½"	1½"	N35-15S15S
21/2"	2½"	N35-25S25S
3"	3"	N35-30S30S



Female NST (NH) Swivel Thread	Female NST (NH) Swivel Thread	Aluminum Extrusion - Anodized Part #
1"	1"	N35-10F10F
1½"	1½"	N35-15F15F
l /2	2½"	N35-15F25F
2½"	2½"	N35-25F25F
4"	4"	N35-40F40F
4½"	4½"	N35-45F45F
5"	5"	N35-50F50F
6"	6"	N35-60F60F



Female NPSH Swivel Thread	Female NST Swivel Thread	Aluminum Extrusion - Anodized Part #
1"	1" 1½"	N35-10S10F N35-10S15F
1½"	1½"	N35-15S15F
2"	2½"	N35-20S25F
2½"	2½"	N35-25S25F

# Aluminum Double Female Swivel Adapters - Long Handle Style N57



Female NST (NH) Thread	Male NST (NH) Thread	Aluminum Extrusion - Anodized Part #
4½"	6"	N57-45F60F
5"	5"	N57-50F50F
5	6"	N57-50F60F
6"	6"	N57-60F60F

- 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

other configurations a	are also avallable, corisu	it Dixon for information
Female Thread	Male Thread	Cast Brass
remale mileau	Iviale Tilleau	Part #
	3/4" GHT	HA15S76
	3/4" NPSH	HA15S75
	34" NPT	HA15S75T
41/ UNDCLI	1" NPSH	
1½" NPSH		HA15S10S
	1" NPT	HA15S10T
	1½" NPT	HA15S15T
	1½" NST (NH)	HA15S15F
1½" NPT	1½" NPSH	HA15T15S
1/2 INF 1	1½" NST (NH)	HA15T15F
	3/4" GHT	HA1576
	¾" NPSH	HA1575
	3/4" NPT	HA1575T
	1" NPSH	HA1510
		HA1510F
11/2" NST (NH)	1" NST (NH)	
,	1" NPT	HA1510T
	1½" NPSH	HA1515
	1½" NPT	HA1515T
	1½" NST (NH)	HA1515F
	21/2" NST (NH)	HA1525F
	1½" NPSH	HA20S15S
	1½" NPT	HA20S15T
2" NPSH	1½" NST (NH)	HA20S15F
	2½" NST (NH)	HA20S25F
O" NDT		
2" NPT	2½" NST (NH)	HA20T25F
2" NST (NH)	2½" NST (NH)	HA2025F
	1" NPT	HA25S10T
	1½" NPSH	HA25S15S
21/2" NPSH	1½" NPT	HA25S15T
	1½" NST (NH)	HA25S15F
	21/2" NST (NH)	HA25S25F
	3/4" GHT	HA2576
	3/4" NPT	HA2575T
	1" NPSH	HA2510
	1" NST (NH)	HA2510F
	1" NPT	HA2510T
	1½" NPSH	HA2515
	1½" NST (NH)	HA2515F
	1½" NPT	HA2515T
21/2" NST (NH)	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	21/2" NST (NH)	HA30S25F
J NFOII	2½" NPT	HA30S25T
	1½" NPSH	HA3015S
3" NST (NH)	1½" NST (NH)	HA3015F
()	2½" NST (NH)	HA3025F
4" NST (NH)	2½" NST (NH)	HA4025F
4½" NST (NH)	2½" NST (NH)	<u> </u>
4/2 INOT (IND)	2/2 INOT (INIT)	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 #
		1 5/11 //
	34" NST (NH)	RHA1576
	1" NST (NH)	RHA1510
	1" NST (NH)	RHA1510F
1½" NST (NH)	1" NPT	RHA1510T
	1½" NPSH	RHA1515
	1½" NST (NH)	RHA1515F
	1½" NPT	RHA1515T
	2" NPSH	RHA1520
	21/2" NST (NH)	RHA1525F
	3/4" NPT	RHA15S75T
	1" NPSH	RHA15S10
1½" NPSH	1" NPT	RHA15S10T
.,	1½" NST (NH)	RHA15S15F
	1½" NPT	RHA15S15T
1½" NPT	1½" NST (NH)	RHA15T15F
2" NST (NH)	21/2" NST (NH)	RHA2025F
	34" GHT	RHA2576
	1" NPSH	RHA2510
	1" NST (NH)	RHA2510F
	1" NPT	RHA2510T
	1½" NPSH	RHA2515
21/2" NST (NH)	1½" NST (NH)	RHA2515F
( )	1½" NPT	RHA2515T
	2" NST (NH)	RHA2520F
	2" NPT	RHA2520T
	2½" NPT	RHA2525T
	3" NPT	RHA2530T
01/# NIDOU	1½" NPSH	RHA25S15
2½" NPSH	1½" NST (NH)	RHA25S15F
2½" NPT	21/2" NST (NH)	RHA25T25F
3" NST (NH)	2½" NST (NH)	RHA3025F

# Female x Male Adapters - Long Handle Style N56



Female NST (NH) Thread	Male NST (NH) Thread	Aluminum Extrusion - Anodized Part #
4"	2½"	N56-40F25F
4½"	4"	N56-45F40F
5"	2½"	N56-50F25F
CII	4½"	N56-60F45F
6"	6"	N56-60F60T 1

<sup>1</sup> female NST (NH) x male NPT

<sup>•</sup> All adapters are made to approved Dixon® specifications.

<sup>•</sup> 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

Male Thread	<i>Cast Brass</i> Part #
¾" GHT	HA15NYFD76
34" NPT	HA25NYFD75T
¾" GHT	HA25NYFD76
1½" NPSH	HA25NYFD15S
1½" NST (NH)	HA25NYFD15F
1½" NPT	HA25NYFD15T
1½" NYFD	HA25NYFD15NYFD
2" NPT	HA25NYFD20T
21/2" NST (NH)	HA25NYFD25F
	3/4" GHT 3/4" NPT 3/4" GHT 11/2" NPSH 11/2" NST (NH) 11/2" NPT 11/2" NYFD 2" NPT



reducer



same size

Female NYC Thread	Male Thread	Cast Brass Part #
2½"	¾" GHT 1" NPT 1½" NPT 2" NPT	HA25NYC76 HA25NYC10T HA25NYC15T HA25NYC20T



increaser

# Hazmat Adapters - Pin Lugs

#### Feature:

· divides single stream into double stream

Female NST Thread	Male Thread	Cast Brass Part #
1½"	(2) ¾" GHT	HHA1576
2½"	(2) ¾" GHT	HHA2576



# 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	HA1576-D
2½"	1" NPT 1½" NST (NH) 1½" NPT ¾" GHT	HA2510T-D HA2515F-D HA2515T-D HA2576-D



- 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)	POLYHA15S15F
2½" NST (NH)	¾" GHT	POLYHA2576
	1½" NPSH	POLYHA2515
	1½" NST (NH)	POLYHA2515F
	2" NPT	POLYHA2520T

# Domestic Female to Male Hex Nipples

#### Feature:

• other configurations are available, consult Dixon® for information

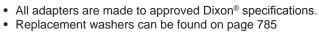


same size

Female Thread	Male Thread	Cast Brass Part #
1" NPT	11/2" NST (NH)	FM1015F-D
1½" NPT	1½" NST (NH)	FM1515F-D
1/2 INF1	21/2" NST (NH)	FM1525F-D
	1½" NPSH	FM15F15S-D
11/2" NST (NH)	1½" NPT	FM15F15T-D
	21/2" NST (NH)	FM15F25F-D
1½" NPSH	1½" NST (NH)	FM15S15F-D
1/2 NP3H	1½" NPT	FM15S15T-D
2" NPT	1½" NST (NH)	FM2015F-D
2½" NPT	2½" NST (NH)	FM2525F-D
2½" NST (NH)	1½" NST (NH)	FM25F15F-D
	1½" NPT	FM25F15T-D
	2½" NPT	FM25F25T-D



increaser



# Fire Fittings & Accessories

# 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 Part #
2½"	2½" NST (NH) 2½" NST (NH)	MOC250F-P MOC250F-C
3"	2½" NST (NH) 2½" NST (NH) 3" NST (NH)	MOC3025F-P MOC3025F-C MOC300F-P
Female NPT Thread	Male Thread	Cast Brass Part #
2½"	2½" NYC 2½" NYFD	MOC250NYC-P MOC250NYFD-P





polished chrome plated

# Female to Male Hex Nipples

#### Feature:

• other configurations are also available, consult Dixon® for information

	<u> </u>	
Female Thread	Male Thread	Cast Brass Part #
		<u> </u>
3/4" GHT	1" NPT	FM7610T
1" NPSH	3/4" GHT	FM10S76
	3/4" GHT	FM1076
	1" NPSH	FM1010
1" NPT	1" NST (NH)	FM1010F
	1½" NPSH	FM1015
	11/2" NST (NH)	FM1015F
1" NST (NH)	1" NPT	FM10F10T
	1½" NPSH	FM1515
1½" NPT	1½" NST (NH)	FM1515F
	21/2" NST (NH)	FM1525F
	1½" NPSH	FM15F15S
	1½" NPT	FM15F15T
44 (    NIOT ( NII )	2" NPT	FM15F20T
1½" NST (NH)	2½" NPT	FM15F25T
	2½" NST (NH)	FM15F25F
	1½" NST (NH)	FM15F15F
	1½" NST (NH)	FM15S15F
1½" NPSH	1½" NPT	FM15S15T
1/2 141 011	2" NPT	FM15S20T
	1½" NPSH	FM20S15
	1½" NST (NH)	FM20S15F
2" NPSH	1½" NPT	FM20S15T
2 111 011	2" NPT	FM20S20T
	2½" NST (NH)	FM20S25F
	1½" NPSH	FM203231
	1½" NST (NH)	FM2015F
2" NPT	2" NPSH	FM2020
		FM2025F
	2½" NST (NH)	
2½" NST (NH)	34" NPT	FM25F75T
	1" NPT	FM25F10T
	1½" NST (NH)	FM25F15F
	1½" NPT	FM25F15T
	2" NPT	FM25F20T
	1½" NST (NH)	FM2515F
	2½" NPSH	FM2525
	2½" NST (NH)	FM2525F
Table sessioned as ses	4	



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

Fire Fittings & Accessories



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same size



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Female Thread	Male Thread	Cast Brass Part #
	2½" NST (NH)	FM25F25F
	21/2" NPT	FM25F25T
21/" NICT (NILI)	3" NST (NH)	FM25F30F
21/2" NST (NH)		
	3" NPT	FM25F30T
	2½" NPSH	FM25F25S
21/2" NPT	2½" NPT	FM2525T
01/# ND011	2½" NST (NH)	FM25S25F
2½" NPSH	2½" NPT	FM25S25T
	21/2" NST (NH)	FM3025F
3" NPT	2½" NPT	FM3025T
	3" NST (NH)	FM3030F
	21/2" NST (NH)	FM30F25F
3" NST (NH)	2½" NPT	FM30F25T
	3" NPT	FM30F30T
3" NPSH	21/2" NST (NH)	FM30S25F
	21/2" NST (NH)	FM4025F
4" NPT	4" NST (NH)	FM4040F
	4½" NST (NH)	FM4045F
4" NST (NH)	4" NPT	FM40F40T
4½" NST (NH)	4" NPT	FM45F40T
6" NPT	6" NST (NH)	FM6060F
6" NST (NH)	6" NPT	FM60F60T

# 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



same size



increaser

Female Thread	Male Thread	Cast Brass Part #
1½" NPT	1½" NYFD	FM1515NYFD
1½" NST (NH)	1½" NYFD	FM15F15NYFD
	1½" NST (NH)	FM15NYFD15F
1½" NYFD	1½" NPT	FM15NYFD15T
	<u> </u>	Cast Brass
Female Thread	Male Thread	Part #
01/# NDT	2½" NYC	FM2525NYC
2½" NPT	2½" NYFD	FM2525NYFD
21/ " NICT (NILL)	2½" NYC	FM25F25NYC
2½" NST (NH)	2½" NYFD	FM25F25NYFD
2½" NYC	21/2" NST (NH)	FM25NYC25F
Z/2 INTO	2½" NPT	FM25NYC25T
2½" NYFD	21/2" NST (NH)	FM25NYFD25F
Z/2 NIFD	2½" NPT	FM25NYFD25T
Female	1	Cast Brass
NYFD Thread	Male Thread	Part #
	1½" NPT	FM25NYFD15T
2½"	2" NPT	FM25NYFD20T
	3" NPT	FM25NYFD30T
<ul> <li>All adapters are mad</li> </ul>	e to approved Divon® en	acifications

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

# Accessories

# Female x Male Adapters - Rocker Lug Style N37

1" NST (NH)	Female Thread	Male Thread	Aluminum Extrusion - Anodized Part #
1" NPT		1" NST (NH)	N37-07G10F
1½" NST (NH) 1½" NPSH 1½" NPSH 1½" NPSH 1½" NPSH 137-10F105 1" NPST 1" NPT 1½" NST (NH) 1½" NST (NH) 1½" NST (NH) 1½" NST (NH) 1½" NST (NH) 1½" NST (NH) 1½" NST (NH) 137-10F155 2½" NST (NH) 137-10S076 2½" NST (NH) 137-10S076 137-10S076 14" NPSH 15" NPST 15" NPST 1		1" NPSH	N37-07G10S
1½" NPSH N37-07G15S  %" GHT N37-10F07G 1" NPSH N37-10F07G 1" NPSH N37-10F10T 1½" NST (NH) N37-10F15F 1½" NST (NH) N37-10F15F 1½" NST (NH) N37-10F25F 2½" NST (NH) N37-10S07G 3¼" SH NST (NH) N37-10S07G 3¼" NPSH N37-10S07S 1" NPSH N37-10S10F 1" NPT N37-10S10F 1" NPT N37-10S10F 1½" NPSH N37-10S10F 1½" NPSH N37-10S10F 1½" NPSH N37-10S15S 1" NPT N37-10S10F 1½" NPSH N37-10S15F 1½" NPSH N37-10S15F 1½" NPT N37-10F10F 1½" NPT N37-10F10F 1½" NPT N37-15F07G 1½" NPT N37-15F07T 1½" NPSH N37-15F07T 1½" NPSH N37-15F10S 1½" NPT N37-15F10F 1½" NPT N37-15F15F 1½" NPT N37-15F15F 1½" NPT N37-15F15F 1½" NPT N37-15F15F 1½" NPT N37-15F25F 1½" NPT N37-15F07G 1½" NST (NH) N37-15F25F 1½" NPT N37-15S10F 1½" NPT N37-15S10F 1½" NPT N37-15S10F 1½" NPT N37-15S10F 1½" NPT N37-15S15T 2" NPT N37-15S15T 2" NPT N37-15S207 1½" NPT N37-15S15F 1½" NPSH N37-15T15F 1½" NPSH N37-15T15F 1½" NPSH N37-15T15F 1½" NPSH N37-15T15F 1½" NPSH N37-15T25F 1½" NPSH N37-15T25F 1½" NPSH N37-15T25F 1½" NPSH N37-20S17F 1½" NPSH N37-20S17F 1½" NPSH N37-20S17F 1½" NPSH N37-20S207 1½" NPST (NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F 1½" NPST NH) N37-20S15F	3/4" GHT	1" NPT	N37-07G10T
1" NST		1½" NST (NH)	N37-07G15F
1" NPSH 1" N9T N37-10F10S 1" NPT N37-10F10T 11½" NST (NH) N37-10F15F N37-10F15S 2½" NST (NH) N37-10F25F 3½" ST (NH) N37-10S07G 32" NPSH N37-10S10F 11" NPSH N37-10S10F N37-10S10F N37-10S10F N37-10S10F N37-10S10F N37-10S10F N37-10S15F N37-10S15F N37-10S15F N37-10S15F N37-10S15F N37-10S15F N37-10S15F N37-10S15S N37-10F10F N37-15F07G N37-10F10F N37-15F07T N37-15F07T N37-15F07T N37-15F10F N37-15F10F N37-15F10F N37-15F10F N37-15F10F N37-15F10F N37-15F15F N37-20S15F N37-20S15F N37-20S15F N37-20S15F N37-20S15F N37-20S15F N37-20S15F N37-20S15F N37-20S15F N37-20S15F N37-20T15		1½" NPSH	N37-07G15S
1" NST		34" GHT	N37-10F07G
11/8" NST (NH) 11/8" NPSH 11/8" NST (NH) 11/8" NPSH 21/8" NST (NH) N37-10F15S 21/8" NST (NH) N37-10F25F    W." GHT   W37-10S07G   W37-10S07S   W37-10S07S   W37-10S07S   W37-10S10F   W37-10S10F   W37-10S10F   W37-10S15F   W37-10S15F   W37-10S15F   W37-10S15F   W37-10S15S		1" NPSH	N37-10F10S
1½" NST (NH) 1½" NPSH	1" NST	1" NPT	N37-10F10T
2½" NST (NH)	1 1101		N37-10F15F
34" GHT   N37-10807G   34" NPSH   N37-10807S   N37-10807S   NST (NH)   N37-10810F   N37-10810F   N37-10810F   N37-10815F   N37-10815F   N37-10815F   N37-10815S   N37-10815S   N37-10815S   N37-10815S   N37-10815S   N37-10815S   N37-10815S   N37-10815S   N37-10815S   N37-10815S   N37-10815S   N37-15807G   N37-15810F   N37-15810F   N37-15810F   N37-15810F   N37-15815F   N37-15815F   N37-15815F   N37-15815F   N37-15815F   N37-15815F   N37-15820T   N37-15815F   N37-20807G   N37-20807G   N37-20807G   N37-20807G   N37-20807F		1½" NPSH	N37-10F15S
1" NPSH  1" NPSH  1" NPSH  1" NST (NH)  1" NST  1" NST  1" NST  1" NST (NH)  1" NST  1" NST (NH)  1" NST 200115F		21/2" NST (NH)	N37-10F25F
1" NPSH  1" NPT  1" NPT  1" NPT  1" NPT  1" NPT  1" NST (NH)  1" NPSH  1" NPSH  1" NPSH  1" NPSH  1" NPT  1" NST  1" NPT  1" NST  1" NPT  1" NST  1" NPT  1" NST  1" NPT  1" NST (NH)  1" NST (NH)  1" NST (NH)  1" NST (NH)  1" NST (NH)  1" NPSH  1" NPT  1" NPT  1" NPT  1" NPT  1" NPT  1" NST (NH)  1" NPSH  1" NST (NH)  1" NPSH  1" NST (NH)  1" NPSH  1" NST (NH)  1" NST		¾" GHT	N37-10S07G
1" NPT		¾" NPSH	N37-10S07S
1" NPT	1" NIDQLI	1" NST (NH)	N37-10S10F
1½" NPSH N37-10S15S  1" NPT 1" NST N37-10T10F  3¼" GHT N37-15F07G  ½" NPT N37-15F07T  1" NST (NH) N37-15F10F  1" NPSH N37-15F10F  1" NPSH N37-15F10S  1½" NST (NH) N37-15F10S  1½" NPSH N37-15F15F  1½" NPSH N37-15F15F  1½" NPSH N37-15F15T  2" NPT N37-15F25F  3¼" GHT N37-15S07G  1" NST (NH) N37-15S10F  1½" NPSH N37-15S10F  1½" NPSH N37-15S15F  1½" NPT N37-15S15F  1½" NPT N37-15S15F  1½" NPT N37-15S20T  1½" NPT N37-15S20T  1½" NPT N37-15T15F  2" NPT N37-15T15F  2" NPT N37-15T15F  2" NPT N37-20S07G  1½" NST (NH) N37-20S15F  2" NPT N37-20S25F  1½" NST (NH) N37-20S25F  1½" NST (NH) N37-20S25F  1½" NST (NH) N37-20S25F  1½" NST (NH) N37-20S25F  1½" NST (NH) N37-20S15S  2" NPT N37-20S25F  1½" NST (NH) N37-20S15F  1½" NST (NH) N37-20S25F  1½" NST (NH) N37-20T15F	INFOIL	1" NPT	N37-10S10T
1" NPT 1" NST N37-10T10F  3/4" GHT N37-15F07G  3/4" NPT N37-15F07T  1" NST (NH) N37-15F10F  1" NPSH N37-15F10S  1" NPT N37-15F10S  1" NPT N37-15F10S  1" NPT N37-15F15S  11/2" NST (NH) N37-15F15S  11/2" NPT N37-15F15S  11/2" NPT N37-15F20T  2" NPT N37-15F20T  2" NPT N37-15S07G  1" NST (NH) N37-15S07G  1" NST (NH) N37-15S10F  11/2" NPT N37-15S10F  11/2" NPT N37-15S15F  11/2" NPT N37-15S15F  11/2" NPT N37-15S20T  11/2" NPT N37-15S20T  11/2" NPT N37-15T15F  2" NPT N37-15T15F  3" GHT N37-15T15F  11/2" NPT N37-15T15F  2" NPT N37-15T15F  3" GHT N37-20S20T  11/2" NPSH N37-20S20T  21/2" NPT N37-20S20T  21/2" NPT N37-20S20F  11/2" NPT N37-20S20F  11/2" NPT N37-20S20F  11/2" NST (NH) N37-20S25F  11/2" NST (NH) N37-20S25F  11/2" NST (NH) N37-20T15F  2" NPT N37-20T15F		1½" NST (NH)	N37-10S15F
3/4" GHT   N37-15F07G   3/4" NPT   N37-15F07T   N37-15F07T   N37-15F07T   N37-15F10F   N37-15F10F   N37-15F10S   N37-15F10S   N37-15F10S   N37-15F10S   N37-15F15F   N37-15F15F   N37-15F15F   N37-15F15F   N37-15F15F   N37-15F15T   N37-15F15T   N37-15F20T   N37-15F25F   N37-15F25F   N37-15F25F   N37-15F25F   N37-15F25F   N37-20S07G   N37-20S07G   N37-20S07G   N37-20S07G   N37-20S07G   N37-20S00TG   N37-20T0T5F   N37-20T0T5S   N37-20T0T5S   N37-20T0T5S   N37-20T0T5S   N37-20T0T5S   N37-20T0T5S   N37-20T0T5S   N37-20T0T5S   N37-20T0		1½" NPSH	N37-10S15S
34" NPT	1" NPT	1" NST	N37-10T10F
1" NST (NH) 1" NPSH 1" NPSH 1" NPSH 1" NPT 1" NPT 1" NST (NH) 1" NPT 1" NST (NH) 1" NPT 1" NST-15F10S 1" NPT 1" NST-15F10T 1" NST-15F15F 1" NST-15F15F 1" NST-15F15S 1" NPT 2" NPT 2" NPT 2" NPT N37-15F25F 3/4" GHT 1" NST (NH) 1" NST (NH) 1" NST (NH) 1" NST (NH) 1" NST (NH) 1" NST (NH) 1" NST-15S15F 1" NST (NH) 1" NST (NH) 1" NST-15S15F 1" NST-15S20T 1" NST-15S20T 1" NST (NH) 1" NST-15T15F 2" NPT 1" N37-15S25F 1" NST (NH) 1" NST-15T15F 2" NPSH 1" N37-15T15F 2" NPT 1" N37-20S07G 1" NST (NH) 1" NST-20S15F 2" NPSH 1" NST (NH) N37-20S15F 2" NPT N37-20S25F 1" NST (NH) N37-20S25F 1" NST (NH) N37-20T15F 2" NPT 1" NST-20T15F		¾" GHT	N37-15F07G
1" NPSH		34" NPT	N37-15F07T
1½" NST (NH)  1" NPT 1½" NST (NH)  1½" NPSH 1½" NPSH N37-15F15F 1½" NPT 2" NPT 2" NPT N37-15F20T 2½" NST (NH) N37-15F25F  3¼" GHT N37-15S07G 1" NST (NH) N37-15S10F 1½" NPT N37-15S10F 1½" NPT N37-15S15F 1½" NPT N37-15S15T 2" NPT N37-15S20T  1½" NPT N37-15T15F 1½" NPT N37-15T15F 1½" NPT N37-15T15F 1½" NPT N37-15T15F 1½" NPT N37-15T15F 1½" NPT N37-15T15F 2½" NST (NH) N37-15T25F  3¼" GHT N37-20S07G 1½" NST (NH) N37-20S15F 2" NPSH 1½" NPSH N37-20S15F 2" NPT N37-20S20T 2½" NST (NH) N37-20S25F 1½" NST (NH) N37-20S25F 1½" NST (NH) N37-20T15F 2" NPT N37-20T15F		1" NST (NH)	N37-15F10F
1½" NST (NH)  1½" NST (NH)  1½" NPSH  1½" NPSH  1½" NPT  2" NPT  2" NPT  34" GHT  1½" NPT  1½" NST (NH)		1" NPSH	N37-15F10S
1½" NPSH N37-15F15F 1½" NPSH N37-15F15S 1½" NPT N37-15F15T 2" NPT N37-15F20T 2½" NST (NH) N37-15F25F  ¾" GHT N37-15S10F 1½" NPSH 1½" NST (NH) N37-15S15F 1½" NPT N37-15S15T 2" NPT N37-15S20T 1½" NPT N37-15S15F 1½" NPT N37-15T15F 1½" NPSH N37-15T15F 2½" NST (NH) N37-15T15F 1½" NPSH N37-15T25F  ¾" GHT N37-15T25F  ¾" GHT N37-20S07G 1½" NST (NH) N37-20S15F 2" NPSH N37-20S20T 2½" NST (NH) N37-20S25F 1½" NST (NH) N37-20S25F 1½" NST (NH) N37-20T15F 2" NPT N37-20T15F	11/" NICT (NILL)	1" NPT	N37-15F10T
1½" NPT	1/2 1931 (1911)	1½" NST (NH)	N37-15F15F
2" NPT		1½" NPSH	N37-15F15S
2½" NST (NH)   N37-15F25F		1½" NPT	N37-15F15T
3/4" GHT       N37-15S07G         1" NST (NH)       N37-15S10F         11/2" NST (NH)       N37-15S15F         11/2" NPT       N37-15S15T         2" NPT       N37-15S20T         11/2" NST (NH)       N37-15T15F         11/2" NPSH       N37-15T15S         21/2" NST (NH)       N37-15T25F         3/4" GHT       N37-20S07G         11/2" NST (NH)       N37-20S15F         2" NPSH       N37-20S15S         2" NPT       N37-20S20T         21/2" NST (NH)       N37-20S25F         11/2" NST (NH)       N37-20T15F         2" NPT       N37-20T15S		2" NPT	N37-15F20T
1" NST (NH)  1½" NPSH  1½" NST (NH)  1½" NST (NH)  1½" NPT  2" NPT  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  2" NPSH  2" NPSH  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST (NH)  1½" NST-20T15F  1½" NST-20T15S		2½" NST (NH)	N37-15F25F
1½" NPSH  1½" NPT  1½" NPT  2" NPT  N37-15S15T  2" NPT  N37-15S20T  1½" NST (NH)  1½" NST (NH)  1½" NPSH  1½" NPSH  2½" NST (NH)  N37-15T15F  N37-15T15S  2½" NST (NH)  N37-15T25F  3¼" GHT  N37-20S07G  1½" NST (NH)  N37-20S15F  2" NPSH  1½" NPSH  N37-20S15S  2" NPT  N37-20S25F  1½" NST (NH)  N37-20S25F  1½" NST (NH)  N37-20T15F  2" NPT  1½" NPSH  N37-20T15F			N37-15S07G
1½" NPT 2" NPT N37-15\$15T 2" NPT N37-15\$20T  1½" NST (NH) N37-15T15F  1½" NPSH N37-15T15S 2½" NST (NH) N37-15T25F  3¼" GHT N37-20\$07G 1½" NST (NH) N37-20\$15F 2" NPSH N37-20\$15S 2" NPT N37-20\$20T 2½" NST (NH) N37-20\$25F  1½" NST (NH) N37-20\$15F  N37-20\$25F  1½" NST (NH) N37-20\$15F  N37-20\$25F  1½" NST (NH) N37-20\$15F		1" NST (NH)	N37-15S10F
2" NPT	11/2" NPSH	1½" NST (NH)	N37-15S15F
1½" NST (NH)		1½" NPT	N37-15S15T
1½" NPT     1½" NPSH     N37-15T15S       2½" NST (NH)     N37-15T25F       ¾" GHT     N37-20S07G       1½" NST (NH)     N37-20S15F       2" NPSH     1½" NPSH     N37-20S15S       2" NPT     N37-20S20T     N37-20S25F       1½" NST (NH)     N37-20T15F       2" NPT     1½" NPSH     N37-20T15F       2" NPT     1½" NPSH     N37-20T15S		2" NPT	N37-15S20T
2½" NST (NH)     N37-15T25F       ¾" GHT     N37-20S07G       1½" NST (NH)     N37-20S15F       2" NPSH     1½" NPSH     N37-20S15S       2" NPT     N37-20S20T     N37-20S20T       2½" NST (NH)     N37-20S25F       1½" NST (NH)     N37-20T15F       2" NPT     1½" NPSH     N37-20T15S		1½" NST (NH)	N37-15T15F
3/4" GHT     N37-20S07G       11/2" NST (NH)     N37-20S15F       2" NPSH     11/2" NPSH     N37-20S15S       2" NPT     N37-20S20T     N37-20S20T       21/2" NST (NH)     N37-20S25F       11/2" NST (NH)     N37-20T15F       2" NPT     11/2" NPSH     N37-20T15S	1½" NPT	1½" NPSH	N37-15T15S
2" NPSH     1½" NST (NH)     N37-20S15F       2" NPSH     1½" NPSH     N37-20S15S       2" NPT     N37-20S20T     N37-20S25F       2½" NST (NH)     N37-20S25F       1½" NST (NH)     N37-20T15F       2" NPT     1½" NPSH     N37-20T15S		2½" NST (NH)	N37-15T25F
2" NPSH 1½" NPSH N37-20\$15\$ 2" NPT N37-20\$20T 2½" NST (NH) N37-20\$25F 1½" NST (NH) N37-20T15F 2" NPT 1½" NPSH N37-20T15\$	2" NPSH	3/4" GHT	N37-20S07G
2" NPSH 1½" NPSH N37-20S15S 2" NPT N37-20S20T 2½" NST (NH) N37-20S25F 1½" NST (NH) N37-20T15F 2" NPT 1½" NPSH N37-20T15S		1	N37-20S15F
2" NPT			N37-20S15S
2½" NST (NH)     N37-20S25F       1½" NST (NH)     N37-20T15F       2" NPT     1½" NPSH     N37-20T15S		1	
1½" NST (NH) <b>N37-20T15F</b> 2" NPT 1½" NPSH <b>N37-20T15S</b>		!	N37-20S25F
2" NPT 1½" NPSH <b>N37-20T15S</b>			
	2" NPT		
		2½"NST (NH)	N37-20T25F



reducer



same size



increaser

Table continued on next page

<sup>•</sup> All adapters are made to approved Dixon® specifications.

<sup>•</sup> Replacement washers can be found on page 785

# Female x Male Adapters - Rocker Lug (continued) Style N37

Male Thread

#### Table continued from previous page

Female Thread

**THO 94** 1.5 NST

reducer



	¾" GHT	N37-25F07G
	34" NPT	N37-25F07T
	1" NPT	N37-25F10T
	1½" NST (NH)	N37-25F15F
	1½" NPSH	N37-25F15S
O1/ II NIOT (NII I)	1½" NPT	N37-25F15T
2½" NST (NH)	2" NPT	N37-25F20T
	2½" NST (NH)	N37-25F25F
	2½" NPSH	N37-25F25S
	2½" NPT	N37-25F25T
	3" NST (NH)	N37-25F30F
	3" NPT	N37-25F30T
	1½" NPSH	N37-25S15S
21/2" NPSH	2½" NST (NH)	N37-25S25F
	2½" NPT	N37-25S25T
	1½" NPSH	N37-25T15S
21/2" NPT	2½" NST (NH)	N37-25T25F
	3" NPT	N37-25T30T
	11/2" NST (NH)	N37-30F15F
3" NST (NH)	21/2" NST (NH)	N37-30F25F
	3" NPT	N37-30F30T
	21/2" NST (NH)	N37-30S25F

Aluminum Extrusion - Anodized

Part #



same size



increaser

	Z/2 INFOIT	1437-237 233
	2½" NPT	N37-25F25T
	3" NST (NH)	N37-25F30F
	3" NPT	N37-25F30T
	1½" NPSH	N37-25S15S
21/2" NPSH	21/2" NST (NH)	N37-25S25F
	2½" NPT	N37-25S25T
	1½" NPSH	N37-25T15S
21/2" NPT	21/2" NST (NH)	N37-25T25F
	3" NPT	N37-25T30T
	1½" NST (NH)	N37-30F15F
3" NST (NH)	2½" NST (NH)	N37-30F25F
, ,	3" NPT	N37-30F30T
	21/2" NST (NH)	N37-30S25F
3" NPT	21/2" NST (NH)	N37-30T25F
3 NFI	2½" NPT	N37-30T25T
	21/2" NST (NH)	N37-40F25F
4" NICT (NILI)	4" NST (NH)	N37-40F40F
4" NST (NH)	4" NPT	N37-40F40T
	6" NST (NH)	N37-40F60F
	21/2" NST (NH)	N37-40T25F
4" NPT	4" NST (NH)	N37-40T40F
	4½" NST (NH)	N37-40T45F
	21/2" NST (NH)	N37-45F25F
41/" NICT (NILI)	4" NST (NH)	N37-45F40F
4½" NST (NH)	4" NPT	N37-45F40T
	5" NST (NH)	N37-45F50F
	4½" NST (NH)	N37-50F45F
5" NST (NH)	5" NPT	N37-50F50T
	6" NST (NH)	N37-50F60F
5" NPSH	6" NST (NH)	N37-50S60F
5" NPT	5" NST (NH)	N37-50T50F
6" NST (NH)	4" NPT	N37-60F40T
	5" NST (NH)	N37-60F50F
	6" NPT	N37-60F60T
OLNDT	4" NST (NH)	N37-60T40F
6" NPT	6" NST (NH)	N37-60T60F

<sup>•</sup> All adapters are made to approved Dixon® specifications.

<sup>•</sup> Replacement washers can be found on page 785

# Brass Female Swivel to Male Adapters

## Pin Lug

		i iii Lug
Female NST (NH) Thread	Male NPT Thread	Cast Brass Part #
1½"	1½"	SM150F
2½"	1½" 2" 2½" 3"	SM25F15T SM25F20T SM250F SM25F30T
4"	4"	SM400F
Female NPSH Thread	Male NPT Thread	Cast Brass Part #
1½" 2" 2½"	1½" 2" 2½"	SM150S SM200S SM250S
Female Thread	Male NST (NH) Thread	Cast Brass Part #
1½" NPSH 2½" NST (NH)	1½" 3"	SM15S15F SM25F30F
Female Thread	Male NPT Thread	Cast Brass Part #
1½" NYFD	1½"	SM150NYFD



## **Rocker Lug**

SM250NYFD

Female Thread	Male NPT Thread	<i>Cast Brass</i> Part #
1½" NST (NH)	1½"	RSM150F
1½" NPSH	1½"	RSM150S
2½" NST (NH)	2" 2½" 3"	RSM25F20T RSM250F RSM25F30T

21/2"



# Domestic Male Swivel Adapters - Pin Lug

Female NST (NH) SwivelThread	Male NPT Thread	Cast Brass Part #
1½"	1½"	SM150F-D
2½"	2½" 2" 3"	SM250F-D SM25F20T-D SM25F30T-D



- All adapters are made to approved Dixon® specifications.
   Replacement washers can be found on page 785

21/2" NYFD



#### Feature:

· suction intake with strainer screen



Female NST (NH) Thread	Male NPT Thread	Cast Brass Part #
2½"	2" 2½" 3"	RSMSA25F20T RSMSA250F RSMSA25F30T

# 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" 2½" 3"	RSMSA25F20T-Z RSMSA250F-Z RSMSA25F30T-Z

# Male Rocker Lug - Suction with Poly Screen

#### Feature:

• suction intake with strainer screen

Female NST (NH) Thread	Male NPT Thread	<i>Aluminum</i> Part #
2½"	2" 2½"	ARSMSA25F20T ARSMSA250F



- 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 RigidThread	Aluminum Extrusion - Anodized Part #
	1½" NST (NH)	N54-15F15F
1½" NST (NH)	1½" NPT	N54-15F15T
	21/2" NST (NH)	N54-15F25F
41/ II NIDCLI	1½" NPSH	N54-15S15S
1½" NPSH	1½" NPT	N54-15S15T
	1½" NST (NH)	N54-25F15F
	1½" NPT	N54-25F15T
O1/ II NICT (NILI)	2" NPT	N54-25F20T
2½" NST (NH)	21/2" NST (NH)	N54-25F25F
	2½" NPT	N54-25F25T
	3" NPT	N54-25F30T
2½" NPSH	2" NPT	N54-25S20T
3" NPSH	3" NPT	N54-30S30T
	4" NST (NH)	N54-40F40F
4" NST (NH)	4" NPT	N54-40F40T
	6" NST (NH)	N54-40F60F
41/ UNIOT (NUI)	4" NPT	N54-45F40T
4½" NST (NH)	6" NPT	N54-45F60T
6" NST (NH)	6" NPT	N54-60F60T



# Female Swivel to Male Adapters - Long Handle Style N54L

Female NST Thread	Male Thread	Aluminum Extrusion - Anodized Part #
2½"	2½" NST (NH)	N54L-25F25F
4"	6" NST (NH)	N54L-40F60F
4½"	4" NPT	N54L-45F40T
	4" NPT	N54L-60F40T
6"	5" NST (NH)	N54L-60F50F
	6" NPT	N54L-60F60T



L

<sup>•</sup> All adapters are made to approved Dixon® specifications.

<sup>•</sup> Replacement washers can be found on page 785

# Double Male Hex Nipples

#### Feature:

• other configurations are available, consult Dixon® for information

Male Thread	Male Thread	Cast Brass Part #
³¼" NPT	1½" NPSH 1½" NST (NH)	DMH7515 DMH7515F
1" NPT	3/4" GHT 1" NPSH 1" NST (NH) 11/2" NPSH 11/2" NST (NH) 21/2" NST (NH)	DMH1076 DMH1010 DMH1010F DMH1015 DMH1015F DMH1025F
1½" NPSH	1½" NPSH	DMH15S15S
1½" NPT	1" NPSH 1" NST (NH) 1½" NPSH 1½" NPT 1½" NST (NH) 2" NST (NH) 2" NPSH 2½" NST (NH)	DMH1510 DMH1510F DMH1515 DMH1515T DMH1515F DMH1520 DMH1525F
1½" NST (NH)	1½" NPSH 1½" NST (NH) 2½" NST (NH)	DMH15F15S DMH15F15F DMH15F25F
2" NPT	1½" NPSH 1½" NST (NH) 2" NPSH 2½" NPSH 2" NPT 2½" NST (NH)	DMH2015 DMH2015F DMH2020 DMH2025 DMH2020T DMH2025F
2½" NPT	1½" NPSH 1½" NST (NH) 2" NPSH 2½" NPSH 2½" NST (NH) 2½" NST (NH) 3" NPSH 3" NPT 3" NST (NH)	DMH2515 DMH2515F DMH2520 DMH2525 DMH2525F DMH2525T DMH2530 DMH2530T DMH2530F
2½" NST (NH)	2½" NST (NH) 3" NST (NH)	DMH25F25F DMH25F30F
3" NPT	2½" NPSH 2½" NST (NH) 3" NPSH 3" NST (NH) 3" NPT	DMH3025 DMH3025F DMH3030 DMH3030F DMH3030T
4" NPT	4" NPSH	DMH4040
4" NST (NH)	4" NST	DMH40F40F
4" NDT	4" NST (NH)	DMH4040F







same size



increaser

4" NPT

5" NPT

6" NPT

41/2" NST (NH)

4" NPT

5" NST (NH)

41/2" NST (NH)

6" NST (NH)

6" NPSH

6" NPT

DMH4045F

**DMH4040T** 

DMH5050F

DMH6045F

**DMH6060F** 

DMH6060

**DMH6060T** 

<sup>•</sup> All adapters are made to approved Dixon® specifications.

# Fire Fittings & Accessories

# Double Male Hex Adapters (NYFD Threads)

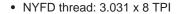
#### Feature:

• other configurations are available, consult Dixon® for information

Male Thread	Male NYFD Thread	Cast Brass Part #
1½" NPT	1½"	DMH1515NYFD
11/2" NST (NH)	1½"	DMH15F15NYFD
1½" NPT	2½"	DMH1525NYFD
2" NPT	2½"	DMH2025NYFD
2½" NPT	1½"	DMH2515NYFD
21/2" NPT	2½"	DMH2525NYFD

Male NST (NH) Thread	Male NYFD Thread	Cast Brass Part #
2½"	2½"	DMH25F25NYFD

Male NYFD Thread	Male NYFD Thread	Cast Brass Part #
1½"	1½"	DMH15NYFD15NYFD
2½"	2½"	DMH25NYFD25NYFD





reducer



same size



increaser

• All adapters are made to approved Dixon® specifications.

# Domestic Double Male Hex Adapters

# Fire Fittings & Accessories

# DIXAN

reducer



same size



increaser

#### Feature:

• other configurations are available, consult Dixon® for information

Male Thread	Male Thread	Cast Brass Part #
AUNIDI	1" NST (NH)	DMH1010F-D
1" NPT	1½" NST (NH)	DMH1015F-D
	1½" NPSH	DMH1515-D
1½" NPT	1½" NST (NH)	DMH1515F-D
	2½" NST (NH)	DMH1525F-D
	1½" NST (NH)	DMH15F15F-D
11/2" NST (NH)	1½" NPSH	DMH15F15S-D
, ,	21/2" NST (NH)	DMH15F25F-D
	1½" NST (NH)	DMH2015F-D
2" NPT	2" NPSH	DMH2020-D
	21/2" NST (NH)	DMH2025F-D
01/    NIDT	1½" NST (NH)	DMH2515F-D
2½" NPT	2½" NST (NH)	DMH2525F-D
2½" NST (NH)	21/2" NST (NH)	DMH25F25F-D
3" NPT	21/2" NST (NH)	DMH3025F-D
	3" NST (NH)	DMH3030F-D
4" NPT	4½" NST (NH)	DMH4045F-D
6" NPT	6" NST (NH)	DMH6060F-D

# **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) 1½" NPT	DMP1515F DMP15F15T
1½" NPSH	1½" NPSH 1½" NPT	DMP1515 DMP15S15T
1½" NST (NH)	1½" NPSH	DMP15F15S
2½" NST (NH)	2½" NST (NH) 2½" NPSH 2½" NPT	DMP2525F DMP25F25S DMP25F25T
21/2" NPSH	2½" NPSH	DMP2525

## **Rocker Lug**



	Male Thread	Male Thread	Cast Brass Part #
		1½" NST (NH)	DMR1515F
	11/2" NST (NH)	1½" NPT	DMR15F15T
	,	1½" NPSH	DMR15F15S
	41/ II NIDOLI	1½" NPSH	DMR1515
	1½" NPSH	1½" NPT	DMR15S15T
	21/2" NST (NH)	21/2" NST (NH)	DMR2525F
•	2½" NPSH	2½" NPSH	DMR2525

<sup>•</sup> All adapters are made to approved Dixon® specifications.

# Accessories

# Double Male Adapters - Rocker Lug Style N36

		Aluminum Extrusion - Anodized	
Male NST (NH)Thread	Male Thread	Part #	
1"	1" NST (NH)	N36-10F10F	
	1½" NST (NH)	N36-15F15F	
1½"	2" NPT	N36-15F20T	
	21/2" NST (NH)	N36-15F25F	
	2½" NST (NH)	N36-25F25F	
	3" NST (NH)	N36-25F30F	
01/1	3" NPT	N36-25F30T	
2½"	4" NST (NH)	N36-25F40F	
	4" NPT	N36-25F40T	
	41/2" NST (NH)	N36-25F45F	
3"	3" NST (NH)	N36-30F30F	
4"	4" NST (NH)	N36-40F40F	
4½"	41/2" NST (NH)	N36-45F45F	
6"	6" NST (NH)	N36-60F60F	
Male NPT Thread	Male Thread	Aluminum Extrusion - Anodized	
	iviale Trifeau	Part #	
41/"	11/2" NST (NH)	N36-15T15F	
1½"	21/2" NST (NH)	N36-15T25F	
2"	2" NPT	N36-20T20T	
	21/2" NST (NH)	N36-20T25F	
	21/2" NST (NH)	N36-25T25F	
2½"	3" NPT	N36-25T30T	
	4" NPT	N36-25T40T	
3"	3" NST (NH)	N36-30T30F	
4"	4" NST (NH)	N36-40T40F	
4	41/2" NST (NH)	N36-40T45F	
5"	6" NPT	N36-50T60T	
6"	6" NST (NH)	N36-60T60F	
Male NPSH Thread	Male Thread	Aluminum Extrusion - Anodized	
		Part #	
1"	1" NPSH	N36-10S10S	
	11/2" NST (NH)	N36-15S15F	
1½"	11/2" NPSH	N36-15S15S	
1 /2	1½" NPT	N36-15S15T	
	2" NPSH	N36-15S20S	
2½"	21/2" NST (NH)	N36-25S25F	
21/2"	21/2" NPSH	N36-25S25S	



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

FemaleNST (NH)	Male Adapter	<i>Brass</i>	<i>Aluminum</i>
Thread		Part #	Part #
1½"	1½"	HA1515ADP	AHA1515ADP
2½"	2½"	HA2525ADP	AHA2525ADP



#### **Replacement Washers**

ID	OD	Thickness	Buna-N Part #
1-9/16"	2-1/16"	1/8"	SW150
2-9/16"	3-3/16"	3/16"	SW250



<sup>•</sup> 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





Adapter Size	Female NST (NH)Thread	Aluminum Part #
1½"	1½"	G150-A-ALNST
2½" 3"	2½" 2½"	G250-A-ALNST 3025-A-ALNST

## Type B x Male NST (NH)

#### Feature:

• Buna seals standard



Coupler Size	Male NST (NH) Thread	<i>Aluminum</i> Part #
1½"	1½"	G150-B-ALNST
2"	1½"	2015-B-ALNST
2½"	2½"	G250-B-ALNST
3"	2½"	3025-B-ALNST

# Type D x Female NST (NH)

#### Feature:

· Buna seals standard



Coupler Size	Female NST (NH) Thread	Aluminum Part #
1½"	1½"	G150-D-ALNST
2"	2½"	2025-D-ALNST
2½"	2½"	G250-D-ALNST
3"	2½"	3025-D-ALNST

# Type F x Male NST (NH)



Adapter Size	Male NST (NH) Thread	<i>Aluminum</i> Part #
1½"	1½"	G150-F-ALNST
2"	2½"	2025-F-ALNST
2½"	2½"	G250-F-ALNST
3"	2½"	3025-F-ALNST

# **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
NST (NH) Tilleau	Part #
	FC150F
1½"	FC150F-P
	FC150F-C
2"	FC200F
	FC250F
2½"	FC250F-P
	FC250F-C
3"	FC300F
4"	FC400F
41/2"	FC450F
6"	FC600F
NECLLE	Cast Brass
NPSH Thread	Part #
1½"	FC150
2"	FC200
2½"	FC250
3"	FC300
4"	FC400
6"	FC600







## **Rocker Lug**

#### Feature:

• finishes: -P polished, -C polished chrome plated

NST (NH) Thread	Cast Brass Part #
1"	RFC100F
1½"	RFC150F
0471	RFC250F
2½"	RFC250F-C
	Cont Press
NPSH Thread	Cast Brass
	Part #
3/4"	RFC075
1"	RFC100
1½"	RFC150
2"	RFC200
2½"	RFC250







# **Brass Test Caps**

#### Features:

- pet cock port supplied with 1/8" NPT
- drain cock port supplied with 1/4" NPT

NST (NH) Thread	<i>Bra</i> ss Part #
2½"	NST250TC



# 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" 1½" 2" 2½" 3" 4" 4½" 5" 6"	NST (NH)	CAP100F-C CAP150F-C CAP200F-C CAP250F-C CAP300F-C CAP400F-C CAP450F-C CAP500F-C CAP600F-C
1" 1½" 2" 2½"	NPSH	CAP100S-C CAP150S-C CAP200S-C CAP250S-C



# Long Handle



NST (NH) Thread	Extruded Hardcoated Aluminum Part #
4"	CAP400F-C-LH
41/2"	CAP450F-C-LH
5"	CAP500F-C-LH
6"	CAP600F-C-LH

# Aluminum Test Caps

#### Feature:

• supplied with 1/4" NPT drill and tap



Size	Thread	Aluminum Part #
1½" 2" 2½" 3" 4" 4½" 5" 6"	NST (NH)	CAP150FABS CAP200FABS CAP250FABS CAP300FABS CAP400FABS CAP450FABS CAP500FABS CAP600FABS
1½" 2" 2½" 3" 4" 4½" 5" 6"	NPSH	CAP150SABS CAP200SABS CAP250SABS CAP300SABS CAP400SABS CAP450SABS CAP500SABS CAP600SABS

# Fire Fitting Accessorie

# 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 NST (NH)	PFCW150 PFCW150F
2" 2½" 3"	NPSH NST (NH) NST	PFCW200 PFCW250F PFCW300F



### **Pressurizable Cap with Chains**

#### Feature:

· can be pressurized to 300 PSI

Size	Thread	Polycarbonate Part #
21/2"	NST (NH) Thread	PFC250F



#### **Hydrant Caps**

#### Features:

- 11/8" pentagonal nut with weep hole
- · gasket not included

NST (NH) Thread	Polycarbonate Part #
2½"	PFCW250F-Y
4" 4½"	PFCW400F-Y PFCW450F-Y



#### **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









## Breakable Caps

#### **Polycarbonate**

#### Application:

· prevents entry of foreign material and protects female threads on pin lug fire department inlet connections



• used on pin lug females

Size	Polycarbonate Part #
21/2"	PBC250

#### **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





### **Domestic Caps - Pin Lug**



• other sizes, threads, and finishes available, call Dixon® for information

Size	Thread	<i>Brass</i> Part #
1½" 2½"	NST (NH)	FC150F-D FC250F-D

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	<i>Iron</i> Part #
2½"	NST (NH)	IHC250F
4½"	NST (NH)	IHC450F

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

C:	Extruded Hardcoated Aluminum		
Size	NST (NH) Part #	NPSH Part #	
1½"	PLUG150F-C	PLUG150S-C	
2½"	PLUG250F-C	PLUG250S-C	
3"	PLUG300F-C	PLUG300S-C	
4"	PLUG400F-C		
41/2"	PLUG450F-C		
5"	PLUG500F-C		
6"	PLUG600F-C		



#### **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 31/2" diameter gauge

NST (NH) Thread	Hardcoated Aluminum Part #
1½"	AFC150F-TGWP
2½"	AFC250F-TGWP



#### Features:

- fits standard 21/2" NST (NH) female swivel
- withstands wide range of temperatures from -4°F to 200°F (-20°C to 93°C)
- 11/8" pentagonal nut with weep hole to allow for drainage
- · removed from FDC with adjustable hydrant wrench

Size	Thread	Polycarbonate Part #
1½"	NST (NH)	PP150F
21/2"	NST (NH)	PP250F
2½	NYFD	PP250NYFD NEW



#### Adjust-A-Plug

**FDC Plugs** 

#### 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

Polycarbonate Part # **PAP250** 



back

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#### **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 Part #
1½"	FP150F FP150F-P FP150F-C
2½"	FP250F FP250F-P FP250F-C
3"	FP300F
4"	FP400F
4½"	FP450F
NPSH Thread	Cast Brass Part #
1½"	FP150
2½"	FP250

#### **Rocker Lug**



#### Feature:

• finishes: -P polished, -C polished chrome plated



NST (NH) Thread	Cast Brass Part #
1½"	RFP150F
2½"	RFP250F

#### **Domestic Plugs - Pin Lug**



NST (NH) Thread	<i>Brass</i> Part #
1½"	FP150F-D
2½"	FP250F-D

# 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	<i>Brass</i> Part #
	NPSH (2.84x8)	PSNP250S
2½"	NST (NH) (3.07x7.5)	PSNP250NST
Z/2	NYC/BA (3.00x8)	PSNP250NYC
	NYFD (3.03x8)	PSNP250NYFD
3"	NST (NH)	PSNP300NST
3	NYFD	PSNP300NYFD

• 21/2" requires 50 ball bearings, 3" requires 58 ball bearings

#### **Replacement Parts**



Description	Part #
2½" gasket	SW250
3" gasket	SW300F
ball bearings	4600300001
set screw	4601100418

#### 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) Female Thread	6061-T6 Forged Alumium Part #
1½"	1½"	FSA1515F
2"	1½"	FSA2015F
2	2½"	FSA2025F
2½"	2½"	FSA2525F
3"	2½"	FSA3025F
	2½"	FSA4025F
	3"	FSA4030F
4"	4"	FSA4040F
4	4½"	FSA4045F
	5"	FSA4050F
	6"	FSA4060F
	2½"	FSA5025F
	3"	FSA5030F
<b>5</b> "	4"	FSA5040F
5"	4½"	FSA5045F
	5"	FSA5050F
	6"	FSA5060F
6"	6"	FSA6060F



#### Storz x NPT Female

Storz Size	NPT Female Thread	6061-T6 Forged Alumium Part #
4471	1"	FSA1510T
1½"	1½"	FSA1515T
0.11	1½"	FSA2015T
2"	2"	FSA2020T
	1½"	FSA2515T
01/#	2"	FSA2520T
2½"	2½"	FSA2525T
	3"	FSA2530T
3"	3"	FSA3030T
	3"	FSA4030T
4"	4"	FSA4040T
	6"	FSA4060T
	3"	FSA5030T
5"	4"	FSA5040T
	5"	FSA5050T
	6"	FSA5060T
O.II	4"	FSA6040T
6"	6"	FSA6060T
	-	•



#### Storz x NPSH Female

Storz Size	NPSH Female Thread	6061-T6 Forged Alumium Part #
1½"	1½"	FSA1515S
2"	1½"	FSA2015S
2½"	2½"	FSA2525S
4"	4"	FSA4040S



- 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) Female Swivel Thread	6061-T6 Forged Alumium Part #
21/2"	2½"	SFSA2525F
3"	2½"	SFSA3025F
	2½"	SFSA4025F
	3"	SFSA4030F
4"	4"	SFSA4040F
	4½"	SFSA4045F
	6"	SFSA4060F
5"	2½"	SFSA5025F
	4"	SFSA5040F
	4½"	SFSA5045F
	6"	SFSA5060F
6"	6"	SFSA6060F

#### Storz x NPSH Female



Storz Size	NPSH Female Swivel Thread	6061-T6 Forged Alumium Part #
2½"	2½"	SFSA2525S
3"	3"	SFSA3030S
4"	4"	SFSA4040S
5"	6"	SFSA5060S

#### Storz x NST (NH) Female Swivel - Long Handle



Storz Size	NST (NH) Female Swivel Thread	6061-T6 Forged Alumium Part #
4"	4½"	SFSA4045F-LH
5"	4"	SFSA5040F-LH
5"	4½"	SFSA5045F-LH
6"	6"	SFSA6060F-LH

DPL418

- 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) MaleThread	6061-T6 Forged Alumium Part #
1½"	1½"	MSA1515F
2"	1½"	MSA2015F
2½"	2½"	MSA2525F
3"	2½"	MSA3025F
4"	2½"	MSA4025F
	4"	MSA4040F
	4½"	MSA4045F
5"	2½"	MSA5025F
	5"	MSA5050F



ire Fittings & ccessories

#### Storz x NPT Male

Storz Size	NPT Male Thread	6061-T6 Forged Alumium Part #
1½"	1½"	MSA1515T
2"	1½"	MSA2015T
	2"	MSA2520T
2½"	2½"	MSA2525T
	3"	MSA2530T
3"	3"	MSA3030T
4"	4½"	MSA4025T
	4"	MSA4040T
5"	4"	MSA5040T
6"	6"	MSA6060T



#### Storz x NPSH Male

Storz Size	NPSH Male Thread	6061-T6 Forged Alumium Part #
1½"	1½"	MSA1515S
2"	1½"	MSA2015S



<sup>•</sup> 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) Female Swivel Thread	6061-T6 Forged Alumium Part #
4"	4" 5" 6"	SFSA30-4040F SFSA30-4050F SFSA30-4060F
5"	3" 4" 4½" 6"	SFSA30-5030F SFSA30-5040F SFSA30-5045F SFSA30-5060F

• 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) Female Swivel Thread	6061-T6 Forged Alumium Part #
4"	4½" 5" 6"	SFSA30-4045F-LH SFSA30-4050F-LH SFSA30-4060F-LH

• Replacement washers can be found on page 798

## NCS-CSF - 150 lbs. Carbon Steel Flange x Storz



150# Flange	Storz	Carbon Steel Part #
4"	5"	NCS-CSF-STZ450
7	6"	NCS-CSF-STZ460
5"	4"	NCS-CSF-STZ540
	5"	NCS-CSF-STZ550
	6"	NCS-CSF-STZ560
6"	4"	NCS-CSF-STZ640
	5"	NCS-CSF-STZ650
	6"	NCS-CSF-STZ660

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

#### NCS-CSF - 150 lbs. Carbon Steel Flange x Storz with Cap



150# Flange	Storz	Carbon Steel Part #
5"	6"	NCS-CSF-STZ650C
6"	6"	NCS-CSF-STZ660C

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

# Fire Fittings Accessories

#### 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" 2½"	SSA1520 SSA1525
2"	2½" 3" 4"	SSA2025 SSA2030 SSA2540
4"	5" 6"	SSA4050 SSA4060
5"	6"	SSA5060



#### 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"	SSA30-550



#### **Dixon Storz Hydrant Conversion Adapters**

- designed to adapt 41/2" 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 41/2" NH (NST)	SHA5045F



#### Storz Accessories

#### **Threaded Storz Mounting Plates (Bracket)**



Storz Size	Anodized Aluminum Part #
1½" - 2½"	SMB1525
4" - 5"	SMB450

#### **Storz Caps**

#### Features:

- 4", 5", 6" supplied with cables
- $1\frac{1}{2}$ ", 2",  $2\frac{1}{2}$ ", 3" supplied with chains

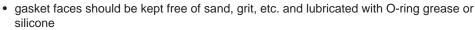


Storz Size	<i>Aluminum</i> Part #
1½"	SC150-NL
2"	SC200-NL
2½"	SC250-NL
3"	SC300-NL
4"	SC400-NL
4" ABS	SC400ABS1
5"	SC500-NL
5" ABS	SC500ABS1
6"	SC600-NL

<sup>&</sup>lt;sup>1</sup> ABS includes airbleeder/petcock

#### **Storz Gaskets**

#### Features:





- pressure seals have a flat face
- suction seals have a beaded face

Storz Size	<i>Buna-N</i> Pressure Part #	<i>Buna-N</i> Suction Part #
1½"	SGS150-NL <sup>1</sup>	SGS150-NL
2"	SGP200	SGS200-NL
2½"	SGP250	SGS250-NL
3"	SGP300	SGS300-NL
4"	SGP400	SGS400-NL
5"	SGP500	SGS500-NL
6"	SGS600-NL <sup>1</sup>	SGS600-NL

<sup>&</sup>lt;sup>1</sup> gasket can be used for both pressure and suction service

#### **Storz Locking Device**



pressure seal (black)

suction seal (grey)

Description	Part #
metal locking device used on 4" and 5" Storz heads with spring, screw and washer	LOCKINGDEVICE
metal locking device used on 6" Storz heads with spring, screw and washer	LOCKINGDEVICE6

# Wrenches Universal Spanner

#### Features:

- for 3/4" to 3" pin lug and rocker lug couplings
- · includes gas cock shutoff, pry bar and belt hook eye
- overall length 11%"

Aluminum	Pkg
Part #	Qty
USW	25



#### Universal

#### Features:

- for pin lug or rocker lug couplings 1" 41/2"
- a gas cock shutoff is provided in the handle
- red epoxy painted
- overall length 11¾"

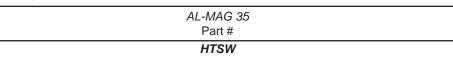
Iron
Part #
233



#### **Hole Type Spanner**

#### Features:

- designed for use on ¾" and 1" booster hose couplings
- overall length is 7½"





#### **Storz Hydrant**

#### Features:

- fits 4" and 5" Storz
- · ductile iron head
- knurled chrome plated handle
- manganese bronze adjustable jaw
- includes adjustable hydrant nut wrench



#### **Folding Pocket Spanner**

#### Features:

- for pentagon nuts up to 13/4"
- built-in spanner for pin or rocker lug couplings
- overall length 161/4"

Material	Part #
aluminum	PSW
brass	PSW-B
die cast zinc	PSW-Z
yellow plastic	PSW-Y
yellow plastic	P3W-1



#### **Adjustable Hydrant**

- fits 3/4" to 3" rocker lug and pin lug couplings
- · a compact wrench easily carried in your jacket pocket

Aluminum	Pkg
Part #	Qty
AHW	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"

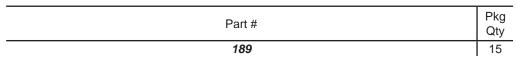
#### Part #

#### **AHWPT**

#### **Heavy Duty Adjustable Hydrant**

#### Features:

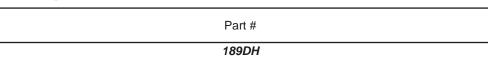
- for pentagon hydrant nuts up to 13/4" from point to flat
- notched to fit 11/4" square hydrant nut
- spanner for pin lug and sensible (rocker) lug couplings, 1½" thru 6"
- plated iron head, 7/8" plated steel handle
- overall length 18"



#### **Double Head Adjustable Hydrant**

#### Features:

- for pentagon hydrant nuts up to 1%" and square heads up to 1½"
- fits 3/4" 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 191/2"



#### 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: 141/4"

Plated Iron Part #	Pkg Qty
PHW	25

#### **Grip-All Spanner**

- fits 3/4" 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:

- overal length 15"
- · fits up to 4" pin lug or rocker lug couplings
- complete with pry bar
- 11/4" square hydrant wrench



#### A356 Aluminum

Part #

#### DF16-180

#### Features:

- fits up to 21/2" pin lug or rocker lug couplings
- complete with pry bar and 11/4" nut wrench
- lug / drum wrench



Part #

#### DF16-181



#### 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 11/2" 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"



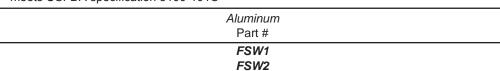
#### Cast Aluminum

Part #

#### FHCS150

#### **Forestry Pocket Spanners**

- FSW1: for use on 1" hoses only
- FSW2: for 1" and 1½" hose couplings
- overall length 5"
- meets USFDA specification 5100-101C





#### Storz Wrenches

#### Pin Lug Spanner - Single End



Size	Plated Iron Part #
2"	SW20
2½"	SW25
3"	SW30
4"	SW40
6"	SW60

#### Pin Lug Spanner - Double End



	Size	Plated Iron Part #
_	1½", 2" x 2½", 3"	SW153

#### Spanner - Single End



#### Features:

- SW1530 fits 1½" 3" Storz
- SZW2 for use on 4" and 6" Storz



Size	AL-MAG 35 Part #
1½" - 3"	SW1530
4" - 6"	SZW2

#### **Spanner -Double End**



Used On	Material	Part #
2" - 5"	aluminum	SZW2-NL
2" - 5"	steel	SW-S400

#### Holder with (2) Wrenches - Double Ended



Description	Material	Part #
2 Storz wrenches (2½" - 5") with bracket	aluminum	SWB-2
2 Storz wrenches (2½" - 5") with bracket	steel	SWB-S-2
4 Storz wrenches (2½" - 5") with bracket	steel	SWB-S-4

#### 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"	LHFS400F		
4½"	4"	LHFS4045F		



#### 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	<i>Brass</i> Part #
		30°	RSE30250F-C
		45° <b>RSE45250F</b> 45° <b>RSE45250F-C</b>	RSE45250F
2½"	2½"		RSE45250F-C
		90°	RSE90250F
		90°	RSE90250F-C





45° elbow

#### Continuous Swivel Elbows

#### Features:

- · allows hose to swing when connected
- full waterway reduces friction loss
- short style radius is 21/2" 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"	CSES150F
2"	1½" NST (NH)	2½"	CSES2015F
1½"	1½" NPT	2½"	CSES150T



### Dixon® Angle and Suction Elbows N54

- · 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	<i>Aluminum</i> Part #
2½"	2½"	30° 45° 60° 90°	N5430-25F25F N5445-25F25F N5460-25F25F N5490-25F25F



90° elbow

<sup>•</sup> Replacement washers can be found on page 785

#### **Pump Test Headers**

Fire Fittings & Accessories



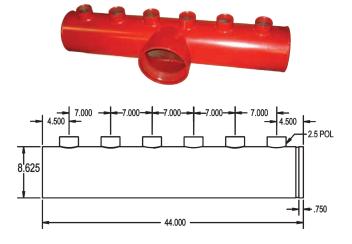


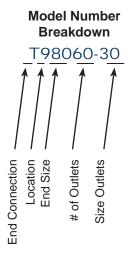
#### Features:

- 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 #
	3"	1	300	HVF0301-25
	4"	2	500	HVF0402-25
150# flanged	6"	3	750	HVF0603-25
150# flanged	6"	4	1000	HVF0604-25
	6"	6	1000	HVF0606-25
	8"	6	2000	HVF0806-25
	6"	3	750	HVG0603-25
arooyod	6"	4	1000	HVG0604-25
grooved	8"	3	750	HVG0803-25
	8"	6	2000	HVG0806-25

#### Manifolds





End	Connection	Loca	ation	End	Size	# of C	Outlets	С	Outlet Size
T	threaded	E	End	40	4"	20	2	25	2½" FNPT
G	grooved	В	Back	60	6"	30	3	30	3" FNPT
F	flanged	9	90°	80	8"	40	4		
						60	6		

# Fire Fittings Accessories

### 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

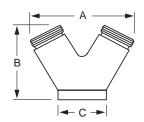
		back outlet
Pipe Size	(2) Outlets Male	Cast Brass Part #
4"	2½" NPT 2½" NPT 2½" NST (NH) 2½" NST (NH)	IRC4025 FRC4025 IRC4025F FRC4025F
6"	2½" NPT 2½" NST (NH)	FRC6025 FRC6025F



Groove Size	(2) Outlets Male	Cast Brass Part #
4"	2½" NST (NH)	IRC4025GF



Size	А	В	С
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"





#### 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)

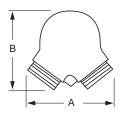
#### 90° bottom outlet

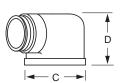


Pipe Size	(2) Outlets Male	Cast Brass Part #
4"	2½" NPT 2½" NPT 2½" NST (NH) 2½" NST (NH)	90IRC4025 90FRC4025 90IRC4025F 90FRC4025F
6"	2½" NPT 2½" NST (NH)	90FRC6025 90FRC6025F



Groove Size	(2) Outlets Male	<i>Cast Brass</i> Part #
4"	2½" NPT 2½" NST(NH)	90IRC4025G 90IRC4025GF





Size	А	В	С	D
4" x 2½" x 2½"	7½"	6¾"	51/8"	4½"
6" x 2½" x 2½"	9"	81/2"	7½"	5"



# Fire Fittings Accessories

#### Three Way Male Outlet - Roof Connections

#### Features:

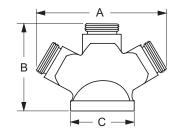
- used to create roof connections, or fire pump test connections
- provides 250 GPM minimum per outlet

		back outlet
Pipe Size	(3) Outlets Male	Cast Brass Part #
4"	2½" NPT	FR3C4025
6"	2½" NPT 2½" NST (NH)	FR3C6025 FR3C6025F



#### **Dimensions**

Size	А	В	С
4" x 2½" x 2½" x 2½"	12¾"	8¾"	5¼"
6" x 2½" x 2½" x 2½"	15¾"	9¾"	75⁄8"



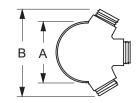
#### bottom outlet

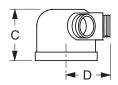
Pipe Size	(3) Outlets Male	Cast Brass Part #
4"	2½" NPT 2½" NST (NH)	90FR3C4025 90FR3C4025F
6"	2½" NPT 2½" NST (NH)	90FR3C6025 90FR3C6025F



#### **Dimensions**

Size	А	В	С	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

- 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 #
	18"	SS418-P
4"	18"	SS418-C
4	24"	SS424-P
	24"	SS424-C
	18"	SS618-P
6"	18"	SS618-C
0	24"	SS624-P
	24"	SS624-C



#### 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



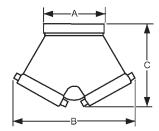
· UL listed and FM approved



Outlet	(2) Inlets	Cast Brass
Female NPT Thread	Female Thread	Part #
4"	2½" NST (NH)	SCS4025F
4"	2½" NST (NH)	ISCS4025F1

<sup>1</sup> imported

#### **Dimensions**



Size	А	В	С
4" x 2½" x 2½"	51/8"	9"	6-1/16"

dimensions match SCS4025F and SCS4025NYFD





#### bottom outlet





UL listed

Outlet	(2) Inlets	Cast Brass
Female NPT Thread	Female Thread	Part #
4"	2½" NST (NH)	90SCS4025F
4"	2½" NST (NH)	90ISCS4025F <sup>1</sup>

1 imported

#### **Dimensions**

Size	A	В
4" x 2½" x 2½"	67/8"	97/8"

dimensions match 90SCS4025F, and 90SCS4025NYFD

#### **Double Clapper Siamese Connections**







#### Features:

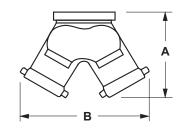
- double drop clapper with (2) pin lug swivel inlets provides required 500 GPM minimum to supplement the fire protection as an auxiliary inlet connection to the water supply (250 GPM minimum per inlet)
- exposed Fire Department Connections (FDC) provide an economical method of satisfying local fire codes
- 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 #
		AutoSprinkler	DCS4025F
		AutoSprinkler	DCS4025F-P
	2½" NST(NH)	AutoSprinkler	DCS4025F-C
4"		StandPipe	DCS4025F-SP
		No Branding	DCS4025F-NB
	3" NST(NH)	AutoSprinkler	DCS4030F
	3" NYFD	AutoSprinkler	DCS4030NYFD
6"	21/2" NST(NH)	AutoSprinkler	DCS6025F
0	21/2" NST(NH)	StandPipe	DCS6025F-SP



#### **Dimensions**

Size	А	В
4" x 2½" x 2½" 6" x 2½" x 2½"	9 <sup>5</sup> / <sub>8</sub> " 10 <sup>1</sup> / <sub>4</sub> "	12¼" 11¾"
4" x 3" x 3"	10"	12½"
6" x 3" x 3"	103/8"	12½"

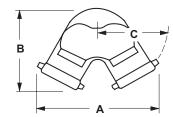


#### bottom outlet

Outlet Female NPT Thread	(2) Inlets Female Thread	Branding	Cast Brass Part #
		AutoSprinkler	90DCS4025F
		AutoSprinkler	90DCS4025F-P
	21/2" NST(NH)	AutoSprinkler	90DCS4025F-C
4"		StandPipe	90DCS4025F-SP
4		No Branding	90DCS4025F-NB
	3" NST(NH)	AutoSprinkler	90DCS4030F
	3" NYFD	AutoSprinkler	90DCS4030NYFD
	3 NYFD	StandPipe	90DCS4030NYFDSP
	21/2" NST(NH)	AutoSprinkler	90DCS6025F
6"	2/2 INOT(INT)	StandPipe	90DCS6025F-SP
	3" NYFD	AutoSprinkler	90DCS6030NYFD



Size	А	В	С
4" x 2½" x 2½"	11¾"	95%"	71/4"
6" x 2½" x 2½"	11¾"	10¾"	71/4"
4" x 3" x 3"	12½"	101/%"	7½"
6" x 3" x 3"	12¼"	101/8"	71/4"



- 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)

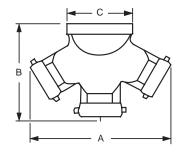


Outlet Female NPT Thread	(3) Inlets Female NST (NH) Thread	Branding	Cast Brass Part #
4"	2½"	AutoSprinkler StandPipe No Branding	TCS4025F TCS4025F-SP TCS4025F-NB
6"	2½"	AutoSprinkler StandPipe No Branding	TCS6025F TCS6025F-SP TCS6025F-NB



polished

#### **Dimensions**

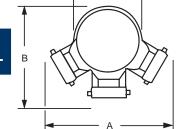


Size	А	В	С
4" x 2½" x 2½" x 2½"	13¾"	10½"	5"
6" x 2½" x 2½" x 2½"	13¾"	10½"	7½"

#### bottom outlet



	Outlet Female NPT Thread	(3) Inlets Female NST (NH) Thread	Branding	Cast Brass Part #
-	4"	2½"	AutoSprinkler	90TCS4025F
	4	Z/2	No Branding	90TCS4025F-NB
	6"	2½"	AutoSprinkler	90TCS6025F
	O	Z/2	No Branding	90TCS6025F-NB



Size	А	В	С
4" x 2½" x 2½" x 2½"	14½"	11½"	75%"
6" x 2½" x 2½" x 2½"	14½"	11½"	75%"

- special threads, branding and finishes are available, consult Dixon® for information
- replacement swivels can be ordered on page 792

#### Reversible Concealed Angle Siamese Body



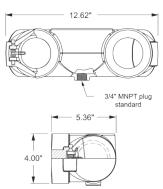


Accessorie

#### Features:

- fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- UI 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	(2) Inlets	<i>Brass</i>
Female NPT Thread	Female NPT Thread	Part #
4"	2½"	4025REV90
4"	3"	4030REV90



#### Reversible Concealed Angle Siamese Body

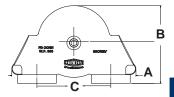
#### Features:

- 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	(2) Inlets	<i>Brass</i>
Female NPT Thread	Female NPT Thread	Part #
5"	2½"	90CREV5025
5"	3"	90CREV5030
6"	2½"	90CREV6025
6"	3"	90CREV6030



Size	А	В	С
5" x 3" x 3"	12"	9½"	75/8"
6" x 2½" x 2½"	12"	7¼"	75/8"
6" x 3" x 3"	12"	9½"	75/8"





#### Concealed Two - Way Wall Hydrant Body

#### Features:

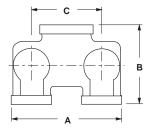
- provides 500 GPM minimums at 250 GPM per inlet (ref NFPA 14)
- drop clappers provide unobstructed waterway
- flush design is desirable when appearance is a factor
- UL listed
- double clapper
- 75/8" center-line
- bodies require wall plate WP2 (24-385), see page 814

#### back outlet



Outlet Female NPT Thread	(2) Inlets Female NPT Thread	<i>Brass</i> Part #
4"	2½"	CDMHCB40225
4"	3"	CDMHCB40230
5"	3"	CDMHCB50230
6"	2½"	CDMHCB60225
6"	3"	CDMHCB60230

#### **Dimensions**

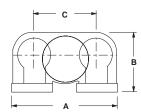


Size	А	В	С
4" x 2½" x 2½"	11-1/8"	6"	75%"
4" x 3" x 3"	12-1/4"	8-1/8"	75%"
5" x 3" x 3"	11-13/16"	7-5/16"	75/8"
6" x 2½" x 2½"	11-1/8"	7-3/8"	75/8"
6" x 3" x 3"	12-1/4"	8-1/4"	75/8"

#### bottom outlet



Outlet	(2) Inlets	Brass
Female NPT Thread	Female NPT Thread	Part #
5"	3"	90CDMHCB50230
6"	2½"	90CDMHCB60225
6"	3"	90CDMHCB60230



Size	А	В	С
5" x 3" x 3"	12"	9½"	75/8"
6" x 2½" x 2½"	12"	7¼"	75%"
6" x 3" x 3"	12"	9½"	75/8"

#### 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:

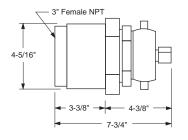
- · female NPT rigid with hexagon by female hose thread to swivel
- connections are attached to the bodies with pipe nipples (not included)

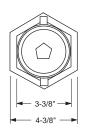
Outlet Female	Inlet Female	Cast Brass
NPT Thread	NST (NH) Thread	Part #
3"	2½"	CSSTF25F30T-P
3"	2½"	CSSTF25F30T-C
3"	3"	CSSTF30F30T-P



polished chrome plated







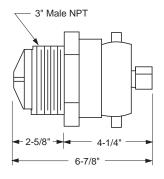
#### male outlet

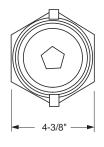
#### Features:

- finishes: -P polished, -C polished chrome plated
- male NPT x 21/2" female hose thread to swivel
- · used when a direct connection to bodies is desired

Outlet Male	Inlet Female	Cast Brass
NPT Thread	NST (NH) Thread	Part #
3"	2½" 2½" 3" 3"	CSSTM25F30T-P CSSTM25F30T-C CSSTM30F30T-P CSSTM30F30T-C

#### **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.





# Fire Fittings & Accessories

## 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 NPT Thread	Inlet Female NST (NH) Thread	Cast Brass Part #
3"	2½"	CSCTF25F30T-P
3"	2½"	CSCTF25F30T-C
Outlet	Inlat	Coat Broom
Outlet	Inlet	Cast Brass
Male NPT	Female NST (NH)	Part #
3"	2½"	CSCTM25F30T-P
3"	2½"	CSCTM25F30T-C

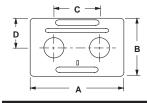
#### Wall Plate for Double Clapper Siamese Assemblies

#### Features:

- finishes: -P polished, -C polished chrome plated
- 4-hole and 6-hole wall plates available, consult Dixon® for information



Hole Size	Branding	<i>Brass</i> Part #
	AutoSprinkler	WP2HAS-P
	AutoSprinkler	WP2HAS-C
	StandPipe	WP2HSP-P
33/8"	StandPipe	WP2HSP-C
	AutoSprinkler StandPipe Combo	WP2H-ASSP-P
	AutoSprinkler StandPipe Combo	WP2H-ASSP-C
	Hydrant	WP2H-HY-P
	PumpTest	WP2H-PT-P
	PumpTest	WP2H-PT-C



Hole Size	А	В	С	D
33/8"	14"	8"	75/8"	4-15/16"

#### Wall Plate for Concealed Three Way Bodies

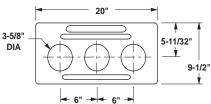
**Dimensions** 

#### Features

- finishes: -P polished, -C polished chrome plated
- 4-hole and 6-hole wall plates available, consult Dixon® for information



Hole Size	Positioned	Branding	<i>Brass</i> Part #
	Horizontal	AutoSprinkler	WP3HAS-P
35/8"	Horizontal	AutoSprinkler	WP3HAS-C
378	Horizontal	StandPipe	WP3HSP-P
	Horizontal	StandPipe	WP3HSP-C

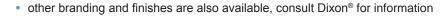


#### Double Clapper Concealed Type Siamese Assemblies

#### Features:

- fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- branded: 'standpipe', 'auto-spkr', 'auto-spkr.-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

Outlet Female NPT Thread	(2) Inlets Female NST (NH) Thread	Branding	Cast Brass Part #
4"	2½"	AutoSprinkler	2WCA4025F-P
4"	2½"	StandPipe	2WCA4025F-SP-P
4"	2½"	AutoSprinkler	2WCA4025F-C
4"	2½"	StandPipe	2WCA4025F-SP-C
4"	3"	AutoSprinkler	2WCA4030F-P
6"	2½"	AutoSprinkler	2WCA6025F-P
6"	2½"	StandPipe	2WCA6025F-SP-P
6"	2½"	AutoSprinkler	2WCA6025F-C
6"	2½"	StandPipe	2WCA6025F-SP-C











#### Two Way Sidewalk Siamese Assemblies





#### Features:

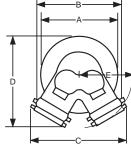
- UL listed, FM approved
- finishes: -P polished or -C polished chrome plated
- complete unit consists of: (1) 21-133 90° Siamese body, double clapper, (2) 17-127 pin lug plugs with chains, (1) 23-404 sleeve, (1) 24-405 escutcheon plate

Outlet	(2) Inlets	Cast Brass
Female NPT Thread	Female Thread	Part #
4"	2½"	2WSA4025F
4"	2½"	2WSA4025F-SP
6"	2½"	2WSA6025F
6"	2½"	2WSA6025F-SP

#### **Dimensions**

Size	А	В	С	Е	F
4" x 2½" x 2½"	9¼"	10¾"	10¾"	10¾"	65/8"
6" x 2½" x 2½"	11¼"	10½"	11¾"	13"	71/4"

Note: some components UL listed/FM approved, not entire assembly



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#### Single Inlet Residential Sprinkler Connection

#### Application:

complete single inlet connection (exposed type) used on residential automatic sprinkler systems

#### Features:

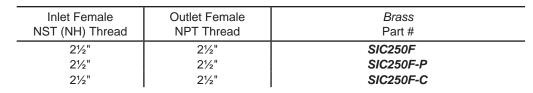
complete unit consists of: (1) 17-127 11/2" pin lug plug with chain and (1) 24-209 4-7/16" OD round escutcheon plate with swivel

Inlet Female	Outlet Female	Cast Brass
NST (NH) Thread	NPT Thread	Part #
1½"	1½"	RIC150F



#### 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
- rigid hexagon end of either connection is 21/2" NPT
- swivel end





#### 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: 21/2" female and male connection, (1) 17-126 cap with chain

NPT Thread	NST (NH) Thread	Part # <b>MOCA250F</b>
Inlet Female	Outlet Male	Cast Brass



#### **Exposed Two Way Wall Hydrants**

- finish: -P polished or -C polished chrome plated
- DMOCA40225F consists of: (1) REP400HY round plate branded 'Wall Hydrant', (1) FRC4025F: 21/2" female and male connection, (2) FC250F cap with chain
- DMOCA60225F consists of: (1) REP600HY round plate branded 'Wall Hydrant' (1) FRC6025F: 21/2" female and male connection, (2) FC250F cap with chain

_	Inlet Female NPT Thread	(2) Outlets Male NST (NH) Thread	<i>Cast Brass</i> Part #
	4"	2½"	DMOCA40225F
	6"	2½"	DMOCA60225F



# Fire Fittings & Accessories

#### **Round Identification Plates**

#### Features:

- used to trim out and identify exposed fire department connections
  for Siamese, made in 9½" diameter for 4" pipe and 11½" diameter for 6" pipe
- finishes: -P polished, -C polished chrome plated

Pipe Size	Branding	Cast Brass Part #
	Auto-Sprinkler	REP250AS
	Auto-Sprinkler	REP250AS-P
	Auto-Sprinkler	REP250AS-C
01/"	Wall Hydrant	REP250HY
2½"	Pump Test	REP250PT
	Standpipe	REP250SP
	Standpipe	REP250SP-P
	Standpipe	REP250SP-C
	Auto-Sprinkler	AREP400AS 1
	Auto-Sprinkler	REP400AS
	Auto-Sprinkler	REP400AS-P
	Auto-Sprinkler	REP400AS-C
4"	Wall Hydrant	REP400HY
	Standpipe	REP400SP
	Standpipe	REP400SP-P
	Standpipe	REP400SP-C
	Auto-Sprinkler & Standpipe	REP400AS/SP
	Auto-Sprinkler	REP600AS
O.II	Auto-Sprinkler	REP600AS-P
	Auto-Sprinkler	REP600AS-C
6"	Standpipe	REP600SP
	Standpipe	REP600SP-P
	Standpipe	REP600SP-C

<sup>&</sup>lt;sup>1</sup> aluminum

Size	OD	Hole Size
2½"	75%"	3½"
4"	9¼"	4½"
6"	11¼"	6¾"



REP250AS-C



REP250AS-P



REP400AS



### British Instantaneous Fittings

#### Features:

- · polished finish
- meets BS336 specifications

#### Female x female threads



Female BRIT Thread	Female Thread	<i>Brass</i> Part #
2½"	2½" NST (NH) 2½" NPT	BID250F BID250T

#### Female x male threads



Female BRIT Thread	Male Thread	<i>Brass</i> Part #
2½"	2½" NST (NH) 2½" NPT	BIB250F BIB250T

#### Male x female threads



Male BRIT Thread	Female Thread	<i>Brass</i> Part #
2½"	2½" NST (NH) 2½" NPT	BIA250F BIA250T

#### Male x male threads



Male BRIT Thread	Male Thread	<i>Brass</i> Part #
2½"	2½" NST (NH) 2½" NPT	BIF250F BIF250T

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# Fire Fittings & Accessories

#### British Instantaneous Fittings

#### **Hose Shanks**

Size	<i>Brass</i> Part #
2½" male BRIT x 1½" hose shank	BIE150
2½" male BRIT x 2½" hose shank	BIE250
2½" female BRIT x 1½" hose shank	BIC150
2½" female BRIT x 2½" hose shank	BIC250



	Plug
Sizo	Brass
Size	Part #
2½"	BIDP250



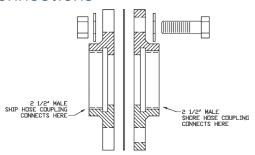
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Size	Brass Part #
2½"	BIDC250



#### International Shore Connections







#### 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	<i>Brass</i> Part #
shore side	09-318-00001
ship side	09-319-00001



shore side



ship side

819

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#### Pick Head Fire Axe



#### Features:

red trim

Feature:

- 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	PHFA6
axe brackets	PHFA-B-A





## Sprinkler Line Tester



• installs on the last sprinkler head on system branch lines and controls water flow for flushing or testing the system

Inlet	Outlet	<i>Brass</i> Part #
1" female NPT	1" male NPSH	SLT10050

#### **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 Female NPT	Outlet Male Thread	Cast Brass Part #
	1½" NST (NH)	AV150
1½"	1½" NPSH	AV150S
	1½" NPT	AV150T
21/2"	21/2" NST (NH)	AV250
Z/2	2½" NYFD	AV250NYFD <sup>1</sup>



#### Female x Female

Inlet	Outlet	Cast Brass
Female NPT	Female NPT	Part #
1½"	1½"	AVF150
2½"	2½"	AVF250

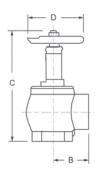


#### **Replacement Parts**

Description	Part #
aluminum handwheel for 1½" valve	AV150-W
aluminum handwheel for 21/2" valve	AV250-W
handwheel nut for 1½" valve	AV150-N
handwheel nut for 21/2" valve	AV250-N
valve seal rubber for 1½" valve	AV150-RBR
valve seal rubber for 2½" valve	AV250-RBR



Size	А	В	C closed	C open	D	F
1½"	2-11/64"	2-7/32"	6%"	7-21/32"	3¾"	2-13/16"
21/2"	3-3/16"	3-3/16"	91/4"	11"	5"	3-19/32"





<sup>1</sup> supplied with red hand wheel



#### **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	AVG250F
groove x groove	AVG250G
groove x female	AVGF250



#### 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	Outlet	Cast Brass
Female NPT	Male Thread	Part #
2½"	2½" NST (NH)	AV5-250F
2½"	2½" NYFD	AV5-250NYFD



#### Female x Female

Inlet	Outlet	Cast Brass
Female NPT	Female NPT	Part #
2½"	2½"	AVF5-250

# Fire Fittings Accessories

#### 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 Female NPT	Outlet Male Thread	Cast Yellow DZR Brass Part #
1½"	1½" male NST (NH)	AV150-I
2½"	2½" male NST (NH)	AV250-I
2½"	2½" MNYFD	AV250NYFD-I



#### **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:

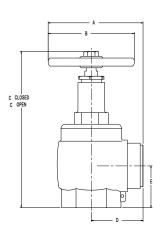
cast (standard)

	polished = -P chrome = -C	
_		Т

Inlet	Outlet	Cast Yellow DZR Brass
Female NPT	Female NPT	Part #
1½"	1½"	AVF150-I
2½"	2½"	AVF250-I



Size	А	В	C closed	C open	D	Е	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<sup>®</sup> for information



#### Female x Male

Inlet Female NPT	Outlet Male Thread	Forged Brass Part #
1½"	1½" NST (NH)	AV151
	2½" NST (NH)	AV251
2½"	2½" NYC	AV251NYC
	2½" NYFD	AV251NYFD

#### Female x Female



Inlet	Outlet	Forged Brass
Female NPT	Female NPT	Part #
1½"	1½"	AVF151
2½"	2½"	AVF251

#### **Replacement Parts**





valve seal

Description	Part #
handwheel for 1½" valve	AV151-WR
handwheel for 21/2" valve	AV251-WR
handwheel nut for 11/2" and 21/2" valve	AV251-N
valve seal rubber for 1½" valve	AV151-RBR
valve seal rubber for 2½" valve	AV251-RBR

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# Accessories

#### Non-rising Stem Wedge Disc Gate Valves

#### Features:

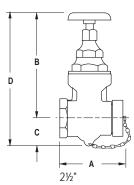
- red iron handwheel, with brass cap and chain
- · cap not included on the NYFD threaded valve and special threaded valves
- solid wedge disc with tapered seats
- 21/2" UL listed and FM approved
- FM approved
- working pressure: 300 PSI at 70°F (21°C)
- other configurations are available, contact Dixon® for additional information

Inlet Female NPT	Outlet Male Thread	UL Listed	Cast Brass Part #
1½"	11/2" NST (NH)	no	WDGV150F
2½"	21/2" NST (NH)	yes	WDGV250F
2½"	2½" NYFD	yes	WDGV250NYFD



#### **Dimensions**

Size	А	В	С	D
1½"	3-49/64"	5%"	11/8"	6%"
21/2"	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 21/2" NST brass cap and chain
- available finishes:

cast (standard)

polished trim - P

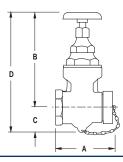
cast chrome - RC

polished chrome trim - C

21/2"	2½"	yes	GWDGV250F	
Inlet Female NPT	Outlet Male NST	UL Listed	Cast DZR Brass Part #	
polished chlorie tillii - C				



Size	А	В	С	D
2½"	5"	7¾"	2½"	10"







Fire Fittings & Accessories



### 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)

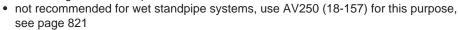
Inlet	Outlet	Forged Brass
Female NPT	Male NST (NH)	Part #
2½"	2½"	WDGV251F
3"	2½"	WDGV3025F



#### Rising Stem Wedge Disc Gate Valves

#### Features:

- red iron handwheel, with brass cap and chain
- solid wedge disc with tapered seats



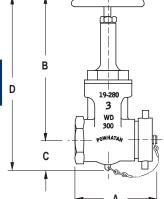


• other configurations are available, contact Dixon® for additional information



Inlet Female NPT	Outlet Male	Working Pressure PSI	Cast Brass Part #	
2½"	2½" NST (NH)	200	RWDGV250F	
3"	2½" NST (NH)	300	RWDGV3025F1	

<sup>&</sup>lt;sup>1</sup> UL listed



Size	А	B closed	С	D closed	D open
2½"	6½"	11	2½"	13½"	16¼"
3" x 2½"	6-3/16"	11	2½"	13½"	16¼"

# **(II)**

# 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	Outlet	Cast Red Brass
Female	Male	Part #
2½" NST (NH)	2½" NST (NH)	UHGV250F
2½" NST (NH)	2½" NST (NH)	UHGV250F-D





# **Replacement Part**

Description	Part #
handwheel	UHGV250-W



# 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 Female	Outlet Male	Cast Red Brass Part #
21/2" NST (NH)	2½" NST (NH)	HGV250F
21/2" NST (NH)	2½" NST (NH)	HGV250F-D
21/2" NST (NH)	2½" NPSH	HGV250



# **Replacement Part**

Description	Aluminum Part #	
speed handle	HGV250-H	





-ire Fittings & Accessories



# 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	Outlet	Forged Brass
	Female	Male	Part #
	2½" NST (NH)	2½" NST (NH)	HGVW250F



# Replacement Part

Description	Part #
handwheel	HGVW250-W



# Hydrant Gate Valves with Speed Handle

#### Features:

- · protects fire hydrants from damage that can occur if they are used for throttling
- full 21/2" waterway
- anodized throughout minimum thickness 0.001"
- test pressure: 250 PSI, working pressure: 100 PSI at 70°F (21°C)

Inlet	Outlet	Aluminum Alloy, 356-T6	
Female Swivel	Male	Part #	
2½" NPSH	2½" NPSH	AHGV250	
2½" NST (NH)	2½" NST (NH)	AHGV250F	



handwheel and knob

# **Replacement Part**

	i e
Description	Part #
handwheel and knob	HGV-HDWHL
knob only	HGV-KNOB

# Global Hydrant Gate Valves with Speed Handle

# Application:

• protects fire hydrants from damage that can occur if they are used for throttling

#### Features:

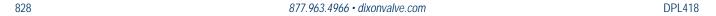
- pin lug swivel, non-rising stem, aluminum speed handle
- non-metalic seal
- maximum operating pressure: 175 PSI (water only) at 70°F (21°C)

Inlet	Outlet	Aluminum Alloy	
Female NST (NH)	Male NST (NH)	Part #	
2½"	2½"	AHGV250F-I	



#### Replacement Part

Description	Aluminum Part #
speed handle	AHGV250F-H



# 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 Part #
4"	4"	9"	6¼"	19½"	SGV440
4	5"	9"	7¾"	19½"	SGV450
	4"	9"	7¾"	19½"	SGV540
5"	5"	9"	7¾"	19½"	SGV550

• all measurements include handles



# Storz x Storz 30° with Air Bleeder

Inlet Storz	Outlet Storz	Length	Width	Height	Aluminum Alloy, 356-T6 Part #
411	4"	9"	6¼"	20.0"	SGV30-440
4"	5"	9"	7¾"	20.0"	SGV30-450
	4"	9"	7¾"	20.0"	SGV30-540
5"	5"	9"	7¾"	20.0"	SGV30-550

• all measurements include handles



# Storz x Female Swivel

Inlet Storz	Outlet Female NST Swivel	Length	Width	Height	Aluminum Alloy, 356-T6 Part #
	4"	9"	6"	19½"	FSGV440F
4"	4½"	9"	6½"	19½"	FSGV445F
4	5"	9"	7"	19½"	FSGV450F
	6"	9"	8"	19½"	FSGV460F
	4"	9"	6"	19½"	FSGV540F
5"	4½"	9"	6½"	19½"	FSGV545F
5	5"	9"	7"	19½"	FSGV550F
	6"	9"	8"	19½"	FSGV560F

• all measurements include handles



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# 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 Female NPT	Outlet Male NST (NH)	Height Open	Height Closed	<i>Cast Brass</i> Part #
3"	2½"	16.38	14.25	WHYD3025F
4"	2½"	16.38	14.25	WHYD4025F
4"	4½"	18.13	15.63	WHYD4045F



# **Replacement Parts**





Description	Part #
optional hand wheel	46-030-00025
pentagon hex nut	44-251-00006

# Forestry Grade ¼ Turn Ball Type Wye Valves





- · 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 Part #
1" NPSH	1" NPSH	FWV10S10S
1½" NPSH	1½" NPSH	FWV15S15S
1½" NST (NH)	1½" NST (NH)	FWV15F15F
21/2" NST (NH)	1½" NST (NH)	FWV25F15F
21/2" NST (NH)	21/2" NST (NH)	FWV25F25F

# 1/4 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 (2) Outlets		Cast Brass
Female Male		Part #
21/2" NST (NH)	1½" NPSH	S7337S



Tire Fittings & Accessories

# Full Flow 1/4 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 Female Swivel	(2) Outlets Male	Cast Brass Part #
1½" NPSH	1½" NPSH	S7100-15S
11/2" NST (NH)	1½" NST (NH)	S7100-15
21/2" NST (NH)	1½" NST (NH)	S7100



# Leader Line 1/4 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	(2) Outlets	<i>Brass</i>
Female NST (NH)	Male NST (NH)	Part #
2½"	1½"	LLBV2515F



# 1/4 Turn Plug Type Wye Valves

- · pin lug swivel
- maximum operating pressure: 175 PSI (water only) at 70°F (21°C)
- not recommended for charged pre-connected hose

Inlet Female (2) Outlets NST (NH) Male		Cast Brass Part #
21/2"	1½" NST (NH)	S6175
21/2"	1½" NPSH	S6175S





# 2-Way Ball Valves



Inlet Female Swivel	(2) Outlet Male	<i>Aluminum</i> Part #
1½" NST (NH)	1½" NST (NH)	FMBV15F15F
1½" NPSH	1½" NPSH	FMBV15S15S
21/2" NST (NH)	1½" NST (NH)	FMBV25F15F
21/2" NST (NH)	21/2" NST (NH)	FMBV25F25F
4" NST (NH)	21/2" NST (NH)	FMBV40F25F
4½" NST (NH)	2½" NST (NH)	FMBV45F25F

# Plain Wyes with Pin Lugs

- divides one stream into two
- other configurations are available, contact Dixon® for additional information



_	Inlet Female	(2) Outlets Male	Cast Brass Part #
	1½" NST (NH)	1½" NST (NH)	PW15F15F
	11/2" NPSH	1½" NPSH	PW15S15S
	21/2" NST (NH)	1½" NST (NH)	PW25F15F
	2½" NST (NH)	2½" NST (NH)	PW25F25F

# 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 Female NPT	Outlet Male NST (NH)	Cast Brass Part #
1½"	1½"	SGV150F
2½"	2½"	SGV250F



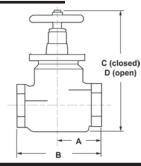
# Female x Female

Inlet Female NPT	Outlet Female NPT	Cast Brass Part #
1½"	1½"	SGVF150
2½"	2½"	SGVF250



# **Dimensions**

Size	A	В	C closed	D open
1½"	23/8"	4¾"	7¼"	8"
21/2"	3-9/32"	6-9/16"	7%"	81/8"



# 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	<i>Brass</i> Part #
1/2"	1/2"	ASBDV50
3/4"	3/4"	ASBDV75



# Straight Ball Drip Valves

#### Application:

· designed to drain the low point of a system

- 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	<i>Brass</i> Part #
1/2"	1/2"	SBDV50
3/4"	3/4"	SBDV75







# 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<sup>®</sup> 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

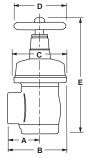
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Inlet Female NPT	Outlet Male NST (NH)	<i>Cast Brass</i> Part #
1½"	1½"	NAPRAV150F-15 NAPRAV150F-20 NAPRAV150F-25 NAPRAV150F-30 NAPRAV150F-35
2½"	2½"	NAPRAV250F-55 NAPRAV250F-60 NAPRAV250F-65 NAPRAV250F-70 NAPRAV250F-75 NAPRAV250F-80





Inlet Female NPT	Outlet Female NPT	Cast Brass Part #
1½"	1½"	NAPRAVF150-15 NAPRAVF150-20 NAPRAVF150-25 NAPRAVF150-30 NAPRAVF150-50
2½"	2½"	NAPRAVF250-55 NAPRAVF250-60 NAPRAVF250-65 NAPRAVF250-70 NAPRAVF250-75 NAPRAVF250-80

# **Dimensions**



Size	А	В	С	D	E closed	E open
1½"	2-7/32"	4-5/32"	37/8"	3¾"	9-25/64"	8-53/64"
21/2"	3-7/32"	6-3/32"	5¾"	5¾"	11%"	10-13/16"

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# Factory Set Pressure Reducing Brass Standard Globe Valve



# Female x Female

Inlet	Outlet	Cast Brass
Female NPT	Female NPT	Part #
2½"	2½"	NAPRVF250-55 NAPRVF250-60 NAPRVF250-65 NAPRVF250-70 NAPRVF250-75 NAPRVF250-80



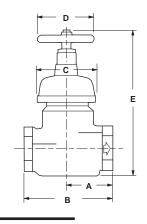
# **Grooved x Grooved**

Inlet	Outlet	Cast Brass
Grooved	Grooved	Part #
2½"	2½"	NAPRVGT250-55 NAPRVGT250-60 NAPRVGT250-65 NAPRVGT250-70 NAPRVGT250-75



# **Dimensions**

Size	Style	А	В	С	D	E closed	E open
2½"	NPT	37/8"	7¾"	5¾"	5¾"	12¾"	12-13/16"
21/2"	grooved	43/8"	8¾"	5¾"	5¾"	12¾"	12-13/16"



# Accessories

Description	Part #
2½" tamper switch bracket kit (bonnet, nut, switch, bracket)	4201901587
switch bracket only	18-458-00017
replacement handles for 1½" valves	AV150-W
replacement handles for 2½" valves	46-030-00025







# 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	Outlet	Cast Brass
Grooved	Grooved	Part #
2½"	2½"	NAPRAVGT250-55 NAPRAVGT250-60 NAPRAVGT250-65 NAPRAVGT250-70 NAPRAVGT250-75 NAPRAVGT250-80 NAPRAVGT250-85 NAPRAVGT250-95

# **Angle Grooved x Female**



•		
Inlet Grooved	Outlet Female NPT	<i>Cast Brass</i> Part #
2½"	2½"	NAPRAVGFT250-55 NAPRAVGFT250-60 NAPRAVGFT250-65 NAPRAVGFT250-70 NAPRAVGFT250-75 NAPRAVGFT250-80 NAPRAVGFT250-85 NAPRAVGFT250-95

# Globe Female x Female



_			
	Inlet Female NPT	Outlet Female NPT	Cast Brass Part #
_	2½"	2½"	NAPRVFT250-55 NAPRVFT250-60 NAPRVFT250-65 NAPRVFT250-70 NAPRVFT250-75 NAPRVFT250-80 NAPRVFT250-85

#### Globe Grooved x Grooved

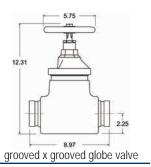


Inlet	Outlet	Cast Brass
Grooved	Grooved	Part #
2½"	2½"	NAPRVGT250-55 NAPRVGT250-60 NAPRVGT250-65 NAPRVGT250-70 NAPRVGT250-75 NAPRVGT250-80 NAPRVGT250-85

# grooved x grooved angle valve



**Dimensions** 



grooved x female angle valve

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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
- 1/4" NPT gauge ports both sides, drilled and tapped standard
- 3/8" adjusting rod included



# **Angle Valves**

Inlet	Outlet	Cast Brass Part #
2½" FNPT	2½" MNST	FAPRAV250F
2½" FNPT	2½" FNPT	FAPRAVF250
2½" groove	2½" MNST	FAPRAVG250F
2½" groove	2½" groove	FAPRAVG250G



# Straight Valves

Inlet	Outlet	Cast Brass Part #
2½" groove	2½" groove	FAPRVG250
2½" FNPT	2½" FNPT	FAPRVF250



# **Replacement Parts**

Description	Cast Iron Part #
handwheel	46-030-00025

#### **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 3/8" 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

- · 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	Male	Cast Brass
Thread	Thread	Part #
1½" NST (NH)	1½" NST (NH)	APRD150F
2½" NST (NH)	2½" NST (NH)	APRD250F





# 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	Outlet	<i>Cast Brass</i>
Female NPT	Male NST (NH)	Part #
1½"	1½"	AVAPR150F
2½"	2½"	AVAPR250F

#### Female x Female

Inlet	Outlet	Cast Brass
Female NPT	Female NPT	Part #
1½"	1½"	AVAPRF150
2½"	2½"	AVAPRF250





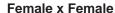
# Global Adjustable Pressure Restricting Angle Valves

#### 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 Female NPT	Outlet Male NST (NH)	Cast Brass Part #
1½"	1½"	AVAPR150F-I
2½"	2½"	AVAPR250F-I



Inlet	Outlet	Cast Brass
Female NPT	Female NPT	Part #
1½"	1½"	AVAPRF150-I
2½"	2½"	AVAPRF250-I







# **Back Flow Preventer**





Fire Fitting Accessorie



- 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	<i>Brass</i> Part #
2"	BFP200

# Chicago Pattern Valves

#### Features:

- · aluminum handwheel
- maximum operating pressure: 175 PSI at 70°F (21°C)

Inlet	Outlet	Cast Brass
Male NPT	Male	Part #
1½"	1½" NST (NH)	CPV150F



ī





# Sprinkler Hose Valve

# Fire Fittings & Accessories



#### 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	Outlet	Cast Brass
Male NPT	Male NST (NH)	Part #
1"	1½"	ASHV1015F

# Push Pull Drain Valve

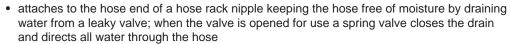
#### Features:

- direct mount
- 2½" handle length





# **Automatic Drain Vent Valve**







Female NST (NH)	Male NST (NH)	Working Pressure (PSI)	Cast Brass Part #
1½"	1½"	175	ADV150F

# 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 Part #
_		4"	12"	8"	17"	FSGR440F
	411	4½"	12"	8"	17"	FSGR445F
	4"	5"	12"	8"	17"	FSGR450F
		6"	12"	8"	17"	FSGR460F
		4"	12"	8"	17"	FSGR540F
	5"	5"	12"	8"	17"	FSGR550F
		6"	12"	8"	17"	FSGR560F



# Female Swivel x Male

	(2) Famala			İ	
Male NST	(2)Female NST (NH)	Length	   Width	Height	Aluminum Alloy, 356-T6
(NH)	Swivel			l	Part #
	4"	12"	8"	17"	FMGR40F40F
4"	4½"	12"	8"	17"	FMGR40F45F
4	5"	12"	8"	17"	FMGR40F50F
	6"	12"	8"	17"	FMGR40F60F
	4"	12"	8"	17"	FMGR45F40F
41/2"	4½"	12"	8"	17"	FMGR45F45F
4/2	5"	12"	8"	17"	FMGR45F50F
	6"	12"	8"	17"	FMGR45F60F
	4"	12"	8"	17"	FMGR50F40F
5"	4½"	12"	8"	17"	FMGR50F45F
5	5"	12"	8"	17"	FMGR50F50F
	6"	12"	8"	17"	FMGR50F60F
6"	6"	12"	8"	17"	FMGR60F60F



# **Replacement Parts**

Description	Part #
handwheel and knob	PV-HDWHL
knob only	PV-KNOB



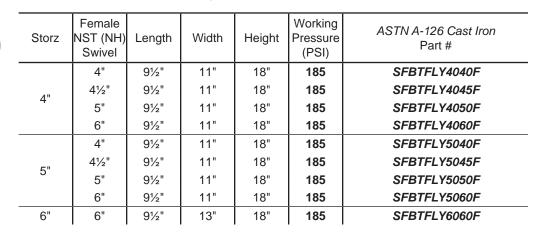
PV-HDWHL

# **Butterfly Valves**

#### Storz x Female Swivel

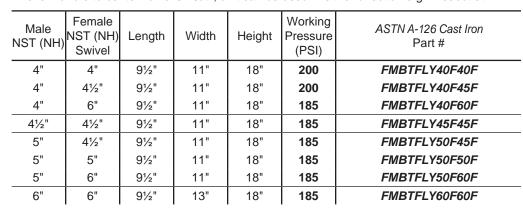
#### Features:

- 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
- 3/4" 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 101/4"
- can be used in either direction (e.g. inlet/outlet)



#### L/H - Male x Female Swivel

- 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 101/4", unit can be used in either direction e.g. inlet/outlet







# Fire Fittings & Accessories

# **Specialty Products**



Fire Hose Coupling Machines and Accessories



Low Level Strainer - Floating Strainer



**Dry Hydrants** 



**Barrel and Basket Strainers** 



**Booster Hose Installation Kit** 

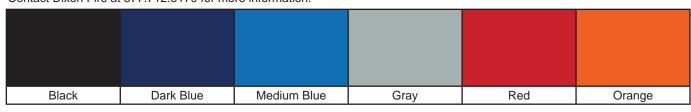


**Piston Intake Valve** 



Partial Listing of Powder Coating Colors Available for Wrenches

Contact Dixon Fire at 877.712.6179 for more information.



Mustard	Yellow	Green	Aqua	Plum	Pink

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	• •	
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Л	Spray	
Ш	Washdown wand	
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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 #
11/4"	swivel quick fill nut	BL062
1½"	swivel quick fill nut	BL064
11/4"	11/4" spout	BL066
1½"	11/4" spout	BL068
1½"	1½" spout	BL072
11/4"	1¼" female NPT	BL066NS
1½"	11/4" female NPT	BL068NS
1½"	1½" female NPT	BL072NS
2"	2" spout	BL920



# replacement spouts

Size	Replacement For	Aluminum Part #
1¼"	BL066, BL068	1143A
1½"	BL072, BL919	1125A
2"	BL920	391137



# repair kits

Repair Kits for Ball Nozzles (BL066, BL068, BL072, BL919)		
Description Part #		
inlet swivel seal and wear kit	SWMF-RK2	
complete inlet swivel rebuild kit	SWMF-RK3	
11/2" FNPT replacement inlet swivel	SWMF-RK4	
11/4" FNPT replacement inlet swivel	SWMF-RK5	
1½" BSPP replacement inlet swivel	SWMF-RK6	
replacement swivel outlet (BL062, BL064)	BL005	
ball valve shaft seal kit	BL-RK4	
complete ball nozzle seal kit	BL-RK10	
optional check valve 5 PSI spring kit	BL-RK11	
standard check valve 3 PSI cartridge kit	BL-RK12	





Repair Rits for outper Bair Nozzie (BE320)		
inlet swivel grease nipple kit (optional)	SWMF-RK1	
inlet swivel seal and wear kit	SWMF-RK22	
complete inlet swivel rebuild kit	SWMF-RK32	
2" FNPT replacement inlet swivel	SWMF-RK42	
1½" FNPT replacement inlet swivel	SWMF-RK52	
complete ball nozzle seal kit	BL-RK102	
optional check valve 5 PSI spring kit	BL-RK112	
standard check valve 3 PSI cartridge kit	BL-RK122	
replacement trigger kit	BL-RK13	



BL920





# Gravity Utility Nozzles

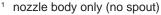
# Application:

• 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

Female NPT Inlet	Outlet Type	Die Cast Zinc Aluminum Part #
	1" female UNS	<b>900</b> ¹
	1" straight spout	900S
1"	1" bent spout	900B
	3/4" straight spout	900W34S
	34" bent spout	900W34B
3/4"	3/4" straight spout	900S34 <sup>2</sup>
74	3/4" bent spout	900B34 <sup>2</sup>



 $<sup>^{2}~~3\!\!/\!\!^{&</sup>quot;}$  nozzle inlet uses 1" x  $3\!\!/\!\!^{"}$  reducer bushing, supplied







# replacement parts

Description	Part #
3/4" replacement straight spout	234-80-4
3/4" replacement bent spout	234-80-5
1" replacement straight spout	875-4
1" replacement bent spout	875-5
trigger	900TK
plunger and valve assemblies, cap, O-ring	900SK



# Pressure Nozzle for Bulk Delivery

- 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	<i>Aluminum</i> Part #
11/4"	11/4" female NPT	80	114DNS
1 74	11/4" spout	80	114D
1½"	1½" female NPT	100	112DNS
1 /2	1½" spout	100	112D







Description	Part #
aluminum replacement spout for 114D	1143A
aluminum replacement spout for 112D	1125A
main poppet, 2nd poppet, cap O-ring, valve stem	112DSK
blank plate to replace ratchet plate if ratchet not required	114DAL-AV-19
main and secondary poppets, cap O-ring, valve stem assembly and packing, sleeve stem packing and nut	114DSK

# 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 Part #
11/4"	1" spout 1¼" spout	114DAVR 114D-AV
1½"	11/4" spout	114D-AV-06ASM



#### 114D-AV-06ASM

# replacement parts

Description	Part #
trigger, bushing, pin and cotter pin	114/2D-TK
main & secondary poppet assemblies, cap O-ring, valve stem assembly	114DAV-SK
1" spout assembly	114DAL-AV-25
1¼" spout assembly	114DAL-AV-16

# Large Capacity Low Pressure / Gravity Nozzle

# Application:

· for low pressure/gravity applications

#### Features:

- rapid flow due to 11/4" oversize design
- maximum operating pressure: 25 PSI

Female NPT Inlet	Outlet Type	Aluminum Part #
11/4"	11/4" spout	1250-94



# repair kits

Description	Part #
plunger, O-rings, valve seal, valve base, valve plate	1250SK



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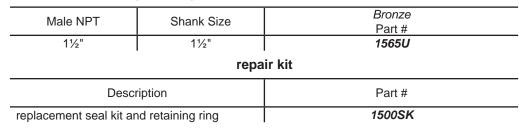
# Hose Shank Hose Swivels

#### Application:

· for use with petroleum and home heating oil hose

#### Feature:

· prevents hose twisting or kinking





#### 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	<i>Bayloy</i> Part #
11/4"	1¼"	SWMF125
1½"	1½"	SWMF150
2"	2"	SWMF200

# repair kits

Description	Part #
inlet swivel grease nipple kit (optional) inlet swivel seal and wear kit complete inlet swivel rebuild kit 2" FNPT replacement inlet swivel 1½" FNPT replacement inlet swivel	SWMF-RK1 SWMF-RK22 SWMF-RK32 SWMF-RK42 SWMF-RK52

# MannTek Hose Swivels

- 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<sup>®</sup> and Kalrez<sup>®</sup> optional contact Dixon<sup>®</sup>
- working pressure: 150 PSI
- maximum temperature: 300°F (149°C)



Size	316 Stainless Steel	Aluminum
Size	Part #	Part #
3/4"	HS075SS	HS075AL
1"	HS100SS	HS100AL
1½"	HS150SS	HS150AL
2"	HS200SS	HS200AL
3"	HS300SS	HS300AL
4"	HS400SS	HS400AI



# 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 #
3/4" X 3/4"	DAWS34
1" x 1"	DAWS10



#### **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

- Sidovo. Hidoriniod bidoo bar otook		
Size	Part #	
3/4" male NPT x 3/4" female NPT		



# **Breakaways**

#### Features:

- unique ball valves seal both ends when separated
- · design provides consistent and reliable performance
- · lightweight
- · easy to repair
- 3/4" Underwriter's Listed

#### Materials:

- body: aluminum
- break rings (2): brass
- seals: F-7036 Viton™

Size	Separation Force (Lbs)	Part #
3/4"	325	DAB34
1"	325	DAB1



#### **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 #
11/4"	600	DAB14
1½"	600	DAB15
2"	800	DAB2





# 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: zincseals: FKMpoppet disk: FKM
- stem packing: PTFE
- hand-guard and trigger hold open clip: super tough nylon
- trigger: steel
- snap-on cover: plasticscuff guard: vinyl

#### Features:

- · with trigger hold-open clip
- non Underwriters Listed nozzle

NPT	Spout	Approximate Flow	Dort #
Inlet	Outlet	Rate at 20 PSI (GPM)	Part #
4"	1-3/16"	35	DFN100HF
ı	1-3/16"	45	DFN100SF



#### Features:

- with trigger hold-open clip with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle



	NPT	Spout	Approximate Flow	Part #
	Inlet	Outlet	Rate at 20 PSI (GPM)	Fail #
	4"	1-3/16"	35	DFN100HF-NPNF
	'	1-3/16"	45	DFN100SF-NPNF

# M



- without trigger hold-open clip
- Underwriters Listed nozzle



	_		
NPT	Spout	Approximate Flow	Part #
Inlet	Outlet	Rate at 20 PSI (GPM)	Fail#
4"	1-3/16"	35	DFN100HF-NC
ı	1-3/16"	45	DFN100SF-NC

# Big Mouth<sup>™</sup> 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	Spout	Approximate Flow	Part #	
Inlet	Outlet	Rate at 20 PSI (GPM)	Fail#	
1"	11/8"	27	DFN100	

# Features:

- with trigger hold-open clip with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle



NPT	Spout	Approximate Flow	Part #
Inlet	Outlet	Rate at 20 PSI (GPM)	
1"	11/8"	27	DFN100-NPNF

- without trigger hold-open clip
- Underwriters Listed nozzle



NPT	Spout	Approximate Flow	Part #
Inlet	Outlet	Rate at 20 PSI (GPM)	rail#
1"	11/8"	27	DFN100-NC







# Farm and Consumer Nozzles

• 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:**

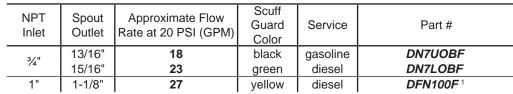
- Underwriters Listed versions
- · super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

#### **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

#### Features:

- with trigger hold-open clip
- non Underwriters Listed nozzle



<sup>&</sup>lt;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





1" diesel nozzle

34" gasoline nozzle

34" diesel nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #
3/"	13/16"	18	black	gasoline	DN7UOBF-NPNF
3/4"	15/16"	23	green	diesel	DN7LOBF-NPNF
1"	1-1/8"	27	yellow	diesel	DFN100F-NPNF

#### Features:

- without trigger hold-open clip
- Underwriters List

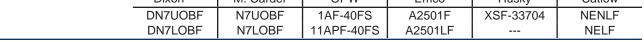
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NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #
3/4"	13/16"	18	black	gasoline	DN7UOBF-NC
74	15/16"	23	green	diesel	DN7LOBF-NC
1"	1-1/8"	27	yellow	diesel	DFN100F-NC

# **Fuel Nozzle Part Number Cross Reference**

1 401 1101						
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

BSPP	Spout	Approximate Flow	Dort #	
Inlet	Outlet	Rate at 20 PSI (GPM)	Part #	
3/4"	13/16"	18	DEFN075	



# High Flow Fueler 100<sup>™</sup> 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	Spout	Approximate Flow	Part #
Inlet	Outlet	Rate at 30 PSI (GPM)	ι αιτ π
1¼"	1%"	75	DNOG5-NL 1
1¼"	1%"	75	DNOG5
1½"	13/8"	75	DNOG6



1 is a 11/4" nozzle without the locking handle



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# 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 1 2)
- 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 @ 100 PSI	Wide Open GPM @ 100 PSI	<i>Brass</i> Part #
3/4"	GHT			BFN75GHT1
3/4"	NPSH			BFN75
1"	NPSH	32		BFN100
1½"	NPSH		100	BFN150
2"	NPSH	108		<b>BFN200</b> 1 2
1"	NST (NH)	32		BFN100NST
1½"	NST (NH)		100	BFN150NST
21/2"	NST (NH)	205		BFN250NST 1 2

<sup>1</sup> not UL Listed

- <sup>2</sup> not Factory Mutual approved
- · replacement washers can be found on page 741











#### 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 @ 100 PSI	<i>Br</i> ass Part #
1"	NPSH		HFN100
1½"	NPSH	88 (+/-12)	HFN150
1"	NST (NH)		HFN100NST
1½"	NST (NH)	88 (+/-12)	HFN150NST
1½"	NYFD		HFN150NYFD

• replacement washers can be found on page 741





#### 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	<i>Brass</i> Part #
1½"	NPSH NST (NH)	117 117	HPFN150 HPFN150NST

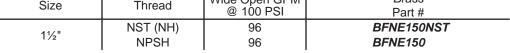
replacement washers can be found on page 741

# 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 @ 100 PSI	<i>Brass</i> Part #	
1½"	NST (NH)	96	BFNE150NST	
	NPSH	96	BFNE150	



- · 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 @ 100 PSI	Polycarbonate¹ Part #	<i>Polycarbonat</i> e² Part #
3/4"	GHT	8.0	FNB75GHT <sup>3, 4</sup>	
3/4"	NPS	30.9	FNB75S <sup>4</sup>	
1"	NPS	11.4	FNB100S <sup>4</sup>	FN100S
1"	NPS	30.9	HGB100S	
1½"	NPS	83.6	FNB150S	FN150S
1"	NST (NH)	11.4	FNB100NST	FN100NST
1"	NST (NH)	30.9	HGB100NST	
1½"	NST (NH)	83.6	FNB150NST	FN150NST







without bumper

- with bumper
- without bumper
- standard flow
- 4 120° spray GPM @100 PSI
- replacement washers can be found on page 856

# Fog Nozzle Flow Rate Chart

Part	Inlet P	ressure	Straight	Stream	30	0°	6	0°	9	0°
Number	PSI	kPa	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM
	50	(345)	18	(68)	21	(79)	24	(91)	27	(102)
BFN100	75	(517)	22	(83)	25	(95)	28	(106)	32	(121)
	100	(690)	24	(91)	28	(106)	32	(121)	36	(136)
	50	(345)	90	(341)	120	(454)	130	(492)	145	(549)
BFN250	75	(517)	100	(379)	140	(530)	150	(568)	180	(681)
	100	(690)	110	(416)	165	(625)	180	(681)	205	(776)
HFN100	100	(690)	25	(95)						
HFN150	100	(690)							86	(326)
HPFN150	275	(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

Size	Thread	90° Spray GPM @ 100 PSI	Polycarbonate¹ Part #	<i>Polycarbonate</i> <sup>2</sup> Global Part #
3/4"	GHT	30.9	SL075GHT <sup>3</sup>	
3/4"	NPSH	30.9	<b>SL075</b> <sup>3</sup>	
1"	NPSH	30.9	<b>SL100</b> <sup>3</sup>	PFNB100S
1½"	NPSH	75.0	SL150	PFNB150S
1"	NST (NH)	30.9	SL100NST	
1½"	NST (NH)	75.0	SL150NST	PFNB150NST



- <sup>2</sup> without bumper
- 3 120° spray on 3/4" and 1"

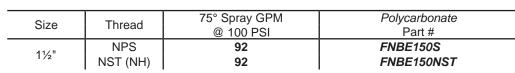


with bumper

# 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



# Gaskets for Fog Nozzles



Size	Thread	ID	OD	Thickness	<i>Buna-N</i> Part #
1"	NPSH	0.937"	1.234"	0.125"	FNG100S
1"	NPSH	1.000"	1.375"	0.125"	HGG100S
1½"	NPSH	1.500"	1.827"	0.125"	FNG150S
1"	NST (NH)	0.937"	1.281"	0.125"	FNG100NST
1"	NST (NH)	1.000"	1.375"	0.125"	HGG100NST
1½"	NST (NH)	1.510"	1.906"	0.125"	FNG150NST

• dimensions are nominal



# Plain Hose Nozzles

#### Features:

- · finish: satin
- maximum operating pressure: 100 PSI (water only) at 70°F (21°C)

			-			
Size	Thread	Overall	Orifice	Replacement	Bras	SS
0126	Tillead	Length	Office	Gasket	Previous Part #	Part #
3/4"	GHT	6"	1/4"	KRW5	500SN6	BN6
3/4"	NPSH	6"	1/4"	KRW5		BN7
1"	NPSH	8"	5/16"	KRW10		BN10
11/4"	NPSH	10"	3/8"	KRW15		BN12
1½"	NPSH	10"	1/2"	KRW20		BN15
2"	NPSH	12"	9/16"	SW200		BN20
2½"	NPSH	12"	1"	KRW35		BN25
1"	NST (NH)	8"	5/16"	SW100F		BN10F
1½"	NST (NH)	10"	1/2"	SW150		BN15F
2½"	NST (NH)	12"	1"	SW250		BN25F
1½"	NYFD	10"	1/2"	SW150		BN15NYFD
2½"	NYFD	12"	1"	SW250		BN25NYFD



# 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	<i>Brass</i> Part #
1½"	NPSH	88 (+/-12)	WDN150
	NST (NH)	88 (+/-12)	WDN150NST



# 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	300 Stainless Steel
INF I	1 lose 1D	Part #	Part #
	1/2"		SSA44
1/2"	5/8"		SSA54
	3/4"		SSA64
3/8"	1/2"	BSA34	



# Straight Swivel x Hose Shank

#### Features:

- swivel body
- gasket: EPDM

NPT	Hose ID	Brass	Stainless Steel
		Part #	Part #
1/2"	1/2"	BNS44	BNS44SS
	3/4"	BNS64	BNS64SS



# Straight Swivel x GHT Thread

NPT	Female GHT	<i>Brass</i> Part #
1/2"	3/4"	BMAS974







#### 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	<i>Brass</i> Part #	<i>Aluminum</i> Part #
black	BWSG	AWSG
white	BWSG-W	AWSG-W



# Lite Washdown Spray Nozzles

#### Application:

• for use where reduced size and / or flow rate is preferred

- more compact and lighter than standard nozzle
- · special formulated rubber cover for durability and easy replacement
- %" female NPT inlet
- 9.0 GPM flow capacity at 100 PSI
- pressure rating: 150 PSI
- temperature rating 200°F (93°C)

Cover Color	<i>Brass</i> Part #
blue	LWSG-B
white	LWSG-W



LWSG-B



# Mini Spray Nozzle

#### Features:

- 1/2" 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:

- 1/2" 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

- · 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
- 1/2" 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
- 1/2" female NPT inlet
- maximum temperature: 200°F (93°C)

300 Stainless Steel
Part #
300SSSG

# Brass Industrial Grade Front Lever Spray Nozzle

- 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**
- 1/2" female NPT inlet
- durable blue rubber cover

Brass	
Part #	
DWG050	





# Thermal-Gard™ Elevated Temperature Spray Nozzle

#### Features:

- Thermal-Gard<sup>™</sup> 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, (%" male NPT x ½" 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
  ¾" female NPT inlet
- black cover





# 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

Female NPT Size	Description	Part #
1/4" 3/8"	valve only	83304 83306
1/4" 3/8"	valve with hook	83304H 83306H





**Hose Assembly** 

Male NPT Inlet	Description	Part #
3/8"	5' hose	8320605

additional hose lengths are available - contact Dixon<sup>®</sup>







# Sweeper Nozzle

Thread Size	Discharge	Length	Brass	
			Previous Part #	Part #
34" GHT	3/16"	2"	500SN2	PSN76

# Flexible Water Nozzle



#### Feature:

· bends for water flow, shuts off when released

Thread Size	Part #
3/4" GHT	8005

# 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 #
34" GHT	PNB75GHT

# **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 Part #	
34" GHT	SN75	

# 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 Part #
3/4" GHT	CSN75

# Twist Nozzles



· maximum operating pressure 150 PSI (water only)



Thursd Cins	l a sa astha	Extruded Brass	
Thread Size	Length	Previous Part #	Part #
	4"		BTN75
¾" GHT	4"		<b>500AN4</b> <sup>1</sup>
	6¾"	500-AN7	500AN7 <sup>1</sup>

<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	<i>Bra</i> ss Part #
¾" GHT	AAPN75GHT



## 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 @ 100 PSI	Color	Global Part #
3⁄4" GHT	25.1	green	FNB75GHT-GD
	25.1	clear	CNB75GHT-GD



## Constant Flow Nozzles with Bumper

#### Feature:

• can be used as a replacement nozzle in the display case FNB75GHT-GD

Throad	45° Spray GPM	Color	Plastic
Thread	@ 100 PSI	Coloi	Part #
3/II OLIT	8.0	green	GNB75GHT (domestic)
¾" GHT	25.1	clear	CNB75GHT (global)





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## 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
- 3/4" 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)

Bronze Part # SWDS

#### **Pressure Requirements**

Steam F	Pressure	Water	Pressure
Minimum	Maximum	Minimum	Maximum
<b>80 PSI</b>	<b>90 PSI</b>	50 PSI	80 PSI



## Hot and Cold Water Mixing Station

#### Features:

- globe style control valves
- in-line check valves
- 3/4" 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)

F	Bronze
Ī	Part #
	WDS1

# station is not supplied with hose and nozzle

## 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:

- ¾" female inlet¼" female outlet
- temperatures to: 300°F (149°C)
- · anti-fatigue pressure compensating design

Maximum PSI	GPM	Part #
5075	12.0	HPSG
5000	10.6	HPSGW <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> W = weeping, for the car wash industry, allows a small stream of water / leak



## **Pressure Spray Gun**

#### Features:

- %" female inlet
- 1/4" female outlet
- working pressure: 4500 PSI
- maximum temperature: 320°F (160°C)

GPM	Part #
8	HPSGL



#### **Heavy Duty Anti-Fatigue Spray Gun**

#### Features:

- %" 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 #
8	HPSGHD



#### **Pressure Spray Gun with Extension**

#### Features:

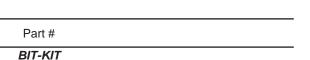
- 3/8" female inlet
- 22 mm x 14 mm female outlet
- working pressure: 3700 PSI
- maximum temperature: 140°F (60°C)
- extension length: 19"

GPM	Part #
8	AL9



## Pressure Spray Gun Kit with Hose, Nozzle & Lance

- 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', ¼" ID with 22 mm x 14 mm female ends
- nozzle: 4.0 variable nozzle 0° to 80°







## Spray Lances and Extensions for Pressure Gun

## **Spray Lance**

- for use with AL9 spray gun only on page 865

Features: for use with AL maximum opera maximum temp	Spray Lances and Extensions for P Spray Lance  9 spray gun only on page 865 ating pressure: 4000 PSI erature: 300°F (149°C)	ressure Gun
Length	Description	Zinc Part #
24"	22 mm x 14 mm male inlet x ¼" male outlet	AL248
_		

#### **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.



Length	Description	Maximum Operating PSI	Part #
40"	zinc, ¼" male inlet 2 each ¼" female outlets stainless steel, ¼" male inlet, 2 each ¼" female outlets	3,650 4,000	AL333 AL344

#### **Molded Grip Extensions**

#### Features:

• for use with HPSG, HPSGC, HPSGHD and HPSGW



Length	Description	<i>Zinc</i> Part #
24"	1/4" male inlet x 1/4" male outlet	AL323XX
36"	1/4" male inlet x 1/4" male outlet, 4" space from the end	AL324XX
48"	1/4" male inlet x 1/4" male outlet, 2 grips	AL325XX
59"	1/4" male inlet x 1/4" male outlet, 2 grips	AL326XX
		·

## **Vented Grip Lances**

- 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

	· mm mm · mm num	
	AL361	AL362
Length	Description	<i>Zinc</i> Part #
36"	1/4" male inlet x 1/4" female outlet, straight	AL361
48"	1/4" male inlet x 1/4" female outlet, bent	AL362

## Telescoping Lance and Belt for Pressure Gun

#### Features:

- 3/8" female (pipe thread) inlet
- 1/4" female (quick connect) outlet
- maximum operating pressure: 4000 PSI
- 1/4" steel braided hose
- 7 GPM
- · length is in three sections
- maximum temperature: 300°F (149°C)

Length	Aluminum Part #
6' - 18'	ARTEL18A



ozzles, Spray Guns Accessories

## **Telescoping Lance Belt**

#### Feature:

• adjusts to fit a 33" to 58" waist

ARTEL-BELT
Part #
Nylon



## Swiveling Quick Couplings

#### Features:

• working pressure: 3650 PSI

• 7.8 GPM

• maximum temperature: 300°F (149°C)

1/4" swiveling quick couplings		
Description	Part #	
1/4" female x 22 mm x 1.5 mm swivel	AL450 1	
1 for use with <b>AL456</b> only		

Description	Part #
1/4" male x 22 mm x 1.5 mm swivel	AL451 <sup>2</sup>



## 3/8" swiveling quick couplings

Description	Part #
3/8" female x 22 mm x 1.5 mm swivel	AL453 <sup>1</sup>

<sup>1</sup> for use with AL456 only

Description	Part #
3/8" female x female swivel	AL462 <sup>2</sup>

<sup>&</sup>lt;sup>2</sup> for use with **AL464** only







<sup>&</sup>lt;sup>2</sup> for use with **AL464** only

## 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	AL454 <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>&</sup>lt;sup>2</sup> for use with **AL462** only

## 3/8" fixed quick coupling plugs



Description	Part #
%" female x 22 mm x 1.5 mm male	AL456 <sup>1</sup>

<sup>1</sup> for use with AL453 and AL9



Description	<i>Nickel Plated Brass</i> Part #
3/8" female x male plug	AL464 <sup>2</sup>

<sup>&</sup>lt;sup>2</sup> for use with **AL462** only

## Injector Nozzles

#### Features:





· maximum working pressure: 4000 PSI



Description	Orifice	Flow (GPM)	Part #
adjustable, green	1.8 mm	2 - 3	AL472
adjustable, red	2.1 mm	3 - 4	AL477
adjustable, blue	2.3 mm	4 - 5.5	AL478

## Line Strainer

#### Features:

- working pressure: 100 PSI
- 1/2" female inlet, 1/2" male outlet
- · .60 mesh cuffed filter
- 2 additional ¼" side ports
- 8 GPM maximum



Aluminum
Part #

#### AR3000-A2



## High Pressure Spray Soap Nozzles

Description	<i>Brass</i> Part #
1/4" male inlet, 40° spray angle, size #40 1/4" male inlet, 80° spray angle, size #40	NZ4040S NZ8040S



## High Pressure Spray Nozzles

Description	Steel Part #
1/4" male NPT inlet, 15° spray angle, size 4	NZ1504
1/4" male NPT inlet, 25° spray angle, size 4	NZ2504
1/4" male NPT inlet, 40° spray angle, size 4	NZ4004



## Quick Connect Soap Nozzle

• use with 1/4" couplers on page 498

Description	<i>Brass</i> Part #
1/4" straight through plug inlet, 65° spray angle, size #40	NZ6540QCS



## **Quick Connect Spray Nozzles**

• use with 1/4" couplers on page 498

Description	Part #
<ul> <li>¼" straight through plug inlet, 0° spray angle, size #4, red</li> <li>¼" straight through plug inlet, 15° spray angle, size #4, yellow</li> <li>¼" straight through plug inlet, 25° spray angle, size #4, green</li> <li>¾" straight through plug inlet, 40° spray angle, size #4, white</li> </ul>	MSP400 MSP415 MSP425 MSP440



## Multi-Pack Quick Connect Nozzles

Description	Nozzles Included	Part #
1/4", 65° spray angle, size #40 1/4", 15° spray angle, size #4, yellow 1/4", 25° spray angle, size #4, green 1/4", 40° spray angle, size #4, white	NZ6540QCS MSP415 MSP425 MSP440	MSP4PAK



# Multi-Pack High Pressure Spray Nozzles • ¼" quick connect nozzle multi-packs include: 0° red, 15° yellow, 25° green, 40° white and 50°

- ¼" quick connect nozzle multi-packs include: 0° red, 15° yellow, 25° green, 40° white and 50° black soap nozzles
- 1/4" MEG nozzle multi-packs include: 0°, 15°, 25°, 40° and 65° soap nozzles

Nozzle				D						
Size	800	1000	1500	2000	2500	3000	3500	4000	5000	Part #
3.0	1.34	1.50	1.84	2.12	2.37	2.60	2.81	3.00	3.35	NZMQC5P-030
3.5	1.57	1.75	2.14	2.47	2.77	3.03	3.27	3.50	3.91	NZMQC5P-035
4.0	1.79	2.00	2.45	2.83	3.16	3.46	3.74	4.00	4.47	NZMQC5P-040
4.5	2.01	2.25	2.76	3.18	3.56	3.90	4.21	4.50	5.03	NZMQC5P-045
5.0	2.24	2.50	3.06	3.54	3.95	4.33	4.68	5.00	5.59	NZMQC5P-050
5.5	2.46	2.75	3.37	3.89	4.35	4.76	5.14	5.50	6.15	NZMQC5P-055
6.5	2.91	3.25	3.98	4.60	5.14	5.63	6.08	6.50	7.27	NZMQC5P-065
8.0	3.58	4.00	4.90	5.66	6.32	6.93	7.48	8.00	8.94	NZMQC5P-080
Nozzle				GF	M @ F	PSI				Dort #
Size	800	1000	1500	2000	2500	3000	3500	4000	5000	Part #
3.5	1.57	1.75	2.14	2.47	2.77	3.03	3.27	3.50	3.91	NZMMEG5P-035
4.0	1.79	2.00	2.45	2.83	3.16	3.46	3.74	4.0	4.47	NZMMEG5P-040
4.5	2.01	2.25	2.76	3.18	3.56	3.90	4.21	4.50	5.03	NZMMEG5P-045
5.0	2.24	2.50	3.06	3.54	3.95	4.33	4.68	5.00	5.59	NZMMEG5P-050
5.5	2.46	2.75	3.37	3.89	4.35	4.76	5.14	5.50	6.15	NZMMEG5P-055







## Spray Nozzle Selection Guidelines









0°
Blasting Nozzle

15° Stripping Nozzle

25° Cleaning Nozzle

40° Washing 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
- 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

- 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

- 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	<b>9</b> a I	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	0	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	n s	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	Р	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	e r	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	M	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	'n	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	t	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	е	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	1/4" female inlet, dk. green	1.30 mm	3,625	AL-TPR25-30
5.5 - 6.0	1/4" female inlet, purple	1.50 mm	3,625	AL-TPR25-50
7.0 - 7.5	1/4" female inlet, grey	1.70 mm	3,625	AL-TPR25-70
4.0	1/4" female inlet, dk. green	1.30 mm	5,075	AL-TPR35-30
5.5	1/4" female inlet, purple	1.50 mm	5,075	AL-TPR35-50
6.5	1/4" female inlet, grey	1.70 mm	5,075	AL-TPR35-70
5.5 - 6.0 7.0 - 7.5 4.0 5.5	1/4" female inlet, purple 1/4" female inlet, grey 1/4" female inlet, dk. green 1/4" female inlet, purple	1.50 mm 1.70 mm 1.30 mm 1.50 mm	3,625 3,625 5,075 5,075	AL-TPR25-50 AL-TPR25-70 AL-TPR35-30 AL-TPR35-50



## 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	7.8	3,650	AL414
change over nozzle, ¼" female inlet, 2 each ¼" female outlets	8	2,900	AL416



AL416

## Inlet Filter for Turbo Nozzles

#### Features:

- 1/4" female inlet, 1/4" male outlet
- maximum temperature: 212°F (100°C)
- 100 mesh filter

Description	Flow (GPM)	Working PSI	Part #
stainless steel, inlet water filter	8	5,000	AR3500



## Balance Release Valve

#### Features:

- working PSI: 4,000 PSI
- maximum temperature: 195°F (90.6°)
- GPM: 6.6
- inlet/outlet: %" female NPT • bypass: 3/8" female NPT

Brass
Part #
AI 702



## Water Broom

- working PSI: 4,000 PSI
- 1/4" quick connect plug

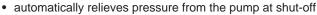
Description	Length	Stainless Steel Part #
4 nozzle broom	16"	AR-BROOM16





## **Unloader Valves**





• maximum temperature: 190°F (88°C)

- inlet: 2 each, 3/8" female NPT
- outlet: 3/8" female NPT
- bypass: 2 each, %" female NPT

Description	Maximum Flow (GPM)	Working PSI	Part #
yellow spring	8	2,320	AL605
blue spring	8	3,650	AL606
black spring	8	4,500	AL607



#### 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	5,100	AR20831

## Thermal Relief Valve



#### Features:

• operating PSI: 200 PSI

• maximum temperature: 140°F (60°C)

• inlet: 1/2" male

Brass
Part #
TPP140

## Safety Release Valve

#### Features:

pressure range: 1,000 to 4,000 PSI
maximum temperature: 200°F (93°C)

• inlet: 3/8" male

• GPM: 6





Synthetic single jacket	874 to 876
Synthetic double jacket	877
Washdown Hose	878 to 880
Nitrile	
Hot water	
Pressure washer braided	
Hand crank hose reel	880
Racks & Reels	881 to 882
Reelcraft® 5000 series spring driven	
Reelcraft® 7000 series	
Reelcraft® 80000 series	
Adjustable hose bumper stops	882
Reelcraft® 30,000 manual driven	882
Hand crank	882
Garden Hose & Washdown	883 to 885
Contractors EPDM water hose	
Rubber vinyl garden hose	
Premium EPDM hose	
Flexogen®hose	883
Perfect water hose	884
Premium Flexzilla® garden hose	884
Top Level PVC hose	
Hot Water rubber reinforced hose	
Marine, Camper, Patio & Pool hose	
Country Club® RT hose	
Country Club* KT Hose	000
EL T. I.	00/1 000
Flexible Tubing	
PVC	000
	000
PVC braided	
PVC braided	887
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PVC braided	
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Normilai	3	
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Nylon protective sleeves - MSHA accepted89	19	
Spring Guard90	00	
Continuous Spring Guard90	00	
GSM ball joint armored hose assemblies90	00	

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# N

## Synthetic Single Jacket Mill Hose

#### Application:

 used in open end water discharge applications only, not intended for fire fighting service



- 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.



		01100apioa	
Size	Bowl	Length	Part #
	1-1/4"	50'	M10-50UC
1"	1-1/4"	100'	M10-100UC
	1-1/4"	300'	M10-300UC
	1-11/16"	25'	M15-25UC
1½"	1-11/16"	50'	M15-50UC
	1-11/16"	100'	M15-100UC
	2-3/8"	25'	M20-25UC
2"	2-3/8"	50'	M20-50UC
	2-3/8"	100'	M20-100UC
	2-11/16"	25'	M25-25UC
21/2"	2-11/16"	50'	M25-50UC
	2-11/16"	100'	M25-100UC
	3-3/8"	25'	M30-25UC
3"	3-3/8"	50'	M30-50UC
İ	3-3/8"	100'	M30-100UC
	4-3/8"	25'	M40-25UC
4"	4-3/8"	50'	M40-50UC
	4-3/8"	100'	M40-100UC
CII	6-3/8"	25'	M60-25UC
6"	6-3/8"	50'	M60-50UC



## 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' 100'	M15-50RAS M15100RAS
2"	50' 100'	M20-50RAS M20100RAS
2½"	50' 100'	M25-50RAS M25100RAS



## Coupled with NST (NH) female and male expansion ring couplings

Size	Length	Part #
1½"	50' 100'	M15-50RAF M15100RAF
2½"	25' 50' 100'	M25-25RAF M25-50RAF M25100RAF



## Coupled with MNPT x MNPT male expansion ring couplings

Size	Length	Part #
1½"	50' 100'	M15-50RAT M15100RAT
2"	50' 100'	M20-50RAT M20100RAT





## 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 at <b>70°F (21°C)</b>	Part #
1½"	25'	75	M15-25KAS
1 /2	50'	75	M15-50KAS
2"	25'	75	M20-25KAS
2	50'	75	M20-50KAS
2½"	25'	50	M25-25KAS
Z/2	50'	50	M25-50KAS
3"	25'	50	M30-25KAS
3	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 at 70°F (21°C)	Part #
1½"	25'	75	M15-25KAF
1 / 2	50'	75	M15-50KAF
2½"	25'	50	M25-25KAF
Z/2	50'	50	M25-50KAF

#### Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve



Size	Length	Working Pressure PSI at <b>70°F (21°C)</b>	Part #
1½"	25'	112	M15-25GAX
1 /2	50'	112	M15-50GAX
2"	25'	112	M20-25GAX
	50'	112	M20-50GAX
2½"	25'	112	M25-25GAX
Z/2	50'	112	M25-50GAX
3"	25'	112	M30-25GAX
3	50'	112	M30-50GAX
4"	25'	112	M40-25GAX
4	50'	112	M40-50GAX

## Synthetic Double Jacket Mill Hose

#### Application:

ideal for open end discharge applications, not intended for fire fighting service



- · 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 #
41/1	1-13/16"	50'	DM15-50UC
1½"	1-13/16"	100'	DM15-100UC
2"	2-5/16"	50'	DM20-50UC
2	2-5/16"	100'	DM20-100UC
01/#	2-7/8"	50'	DM25-50UC
2½"	2-7/8"	100'	DM25-100UC



## Coupled with female and male NST (NH) thread, rocker lug, aluminum expansion ring couplings

Size	Bowl	Length	Part #
1½"	1-13/16"	50'	DM15-50RAF
	1-13/16"	100'	DM15100RAF
2½"	2-7/8"	50'	DM25-50RAF
	2-7/8"	100'	DM25100RAF



## Coupled with female and male NPSH thread, rocker lug, aluminum expansion ring couplings

Size	Bowl	Length	Part #
11/3"	1-13/16"	50'	DM15-50RAS
1 /2	1-13/16"	100'	DM15100RAS
2"	2-5/16"	50'	DM20-50RAS
2	2-5/16"	100'	DM20100RAS
2½"	2-7/8"	50'	DM25-50RAS
Z/2	2-7/8"	100'	DM25100RAS



## Coupled with female and male NPT thread, rocker lug, aluminum expansion ring couplings

Size	Bowl	Length	Part #
41/"	1-13/16"	50'	DM15-50RAT
1½"	1-13/16"	100'	DM15100RAT
2"	2-5/16"	50'	DM20-50RAT
۷	2-5/16"	100'	DM20100RAT
2½"	2-7/8"	50'	DM25-50RAT



## Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve

Size	Bowl	Length	Part #
1½"	1-13/16"	50' 100'	DM15-50GAX DM15100GAX
2"	2-5/16"	50' 100'	DM20-50GAX DM20100GAX



## 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 #
44711	50'	WDH15BK50RAS
1½"	100'	WDH15BK100RAS
2"	50'	WDH20BK50RAS
2	100'	WDH20BK100RAS
2½"	50'	WDH25BK50RAS
	100'	WDH25BK100RAS

## Coupled with NST female and male expansion ring couplings



Size	Length	Part #
1½"	50' 100'	WDH15BK50RAF WDH15BK100RAF
2½"	25' 50'	WDH25BK25RAF WDH25BK50RAF
2/2	100'	WDH25BK30KAF WDH25BK100RAF

## **Coupled with MNPT x MNPT male expansion ring couplings**



Size	Length	Part #
1½"	50' 100'	WDH15BK50RAT WDH15BK100RAT
2"	50' 100'	WDH20BK50RAT WDH20BK100RAT

N

## 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 #
11/6"	25'	WDH15BK25KAS
1/2	50'	WDH15BK50KAS
2"	25'	WDH20BK25KAS
2	50'	WDH20BK50KAS
21/3"	25'	WDH25BK25KAS
∠/2	50'	WDH25BK50KAS
3"	25'	WDH30BK25KAS
S	50'	WDH30BK50KAS



# 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' 50'	WDH15BK25KAF WDH15BK50KAF
2½"	25' 50'	WDH25BK25KAF WDH25BK50KAF



## Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve

Size	Length	Part #
1½"	25'	WDH15BK25GAX
l /2	50'	WDH15BK50GAX
2"	25'	WDH20BK25GAX
2	50'	WDH20BK50GAX
21/"	25'	WDH25BK25GAX
2½"	50'	WDH25BK50GAX
3"	25'	WDH30BK25GAX
	50'	WDH30BK50GAX
A!!	25'	WDH40BK25GAX
4"	50'	WDH40BK50GAX





#### 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 #
	black	1¼"	50'		WDH10BK50UC
1"	black	1¼"	100'		WDH10BK100UC
ı	yellow	1¼"	100'		WDH10Y100UC
	blue	1¼"	100'		WDH10BL100UC
41/"	black	1-13/16"	50'	200 BCI	WDH15BK50UC
1½"	black	1-13/16"	100'	200 PSI	WDH15BK100UC
2"	black	2-5/16"	50'	200 PSI	WDH20BK50UC
2	black	2-5/16"	100'		WDH20BK100UC
01/"	black	2-13/16"	50'		WDH25BK50UC
2½"	black	2-13/16"	100'		WDH25BK100UC
0.11	black	3%"	50'		WDH30BK50UC
	black	33/8"	100'		WDH30BK100UC
	black	43/8"	50'	1 450 BGI	WDH40BK50UC
	black	43/8"	100'	150 PSI	WDH40BK100UC
0"	black	6%"	50'	1	WDH60BK50UC
6"	black	6%"	100'		WDH60BK100UC

## 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%" x 25'	SWDSHOSE25
%" x 50'	SWDSHOSE50



# 0

#### Feature:

• maximum temperature: 250°F (121°C)

ID	Male	Male	Proceure Pating (PSI)	Longth	Rubber
	Swivel Inlet	Swivel Outlet	Pressure Rating (PSI)	Lengin	Part #
3/8"	3/8"	3/8"	4,000	50'	AR503830SSP

## Reelcraft® 5000 Series Spring Driven Hose Reels

#### Features:

- reel inlet %" 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 #
_	1/4"	50'	air / water	300	5450LP
_	3/"	35'	air / water	300	5635LP
	78	50'	air / water	300	5650LP



#### without hose

Hose Capacity	Service	Working Pressure PSI	Part #
50' of ¼" or 35' of ¾"	air / water	500	5600LP
50' of ¾"	air / water	500	5605LP

## Reelcraft® 7000 Series Spring Driven Hose Reels

#### Features:

- · all steel construction
- LP Low Pressure reels:
  - maximum temperature 150°F (66°C)
  - reel inlet ½" NPTF
  - PVC hose is standard
- MP Medium Pressure reels:
  - maximum temperature 210°F (99°C)
  - reel inlet 1/2" NPTF
  - SAE 100 R1T 1-wire braid hose available
- HP High Pressure reels:
  - maximum temperature 210°F (99°C)
  - reel inlet 1/4" NPTF
  - SAE 100 R2T 2-wire braid hose available

#### with hose

Hose ID	Hose Length	Service	Working Pressure PSI	Part #
3/8"	70'	air / water	300	7670LP
1/2"	50'	air / water	300	7850LP



## without hose

Hose Capacity	Service	Working Pressure PSI	Part #
70' of 3/8", 50' of 1/2"	air / water	500	7800LP
50' of 3/8" or 50' of 1/2"	oil	3000	7800MP
50' of 1/4" or 50' of 3/8"	grease	5000	7600HP



Reelcraft® 80000 Series Spring Driven Hose Reels

## 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



Hose ID	Hose Length	Service	Working Pressure PSI	Part #
1/2"	75' 100'	air / water air / water	300 300	82075LP 82100LP
3/4"	50'	air / water	250	83050LP

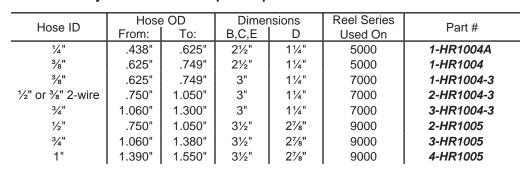
#### without hose

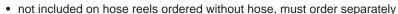
Hose Capacity	Service	PSI	Part #
50' of 3/4" or 100' of 1/2"	air / water	500	83000LP



see below for bumper stops consult Dixon® for uses other than stated services

#### **Adjustable Hose Bumper Stops**





## 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
- 1/2" inlet

#### without hose

Hose ID	Hose Capacity	Spool Width	Working Pressure PSI	Part #
3/4"	100'	12"	1000	C33112L
1/2"	200'	12"	3000	C32112M





#### Hand Crank Hose Reel

#### Features:

- working PSI: 3,000 PSI
- maximum temperature: 160°F (71°C)
- 3/8" outlet, 3/8" inlet
- includes jumper hose, mounting bracket and crank handle

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• holds 100' of 3/8" 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	Optional
	Part #	Qty
³¼" x 50'	CWH50	3



## 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	Optional
Size	Part #	Qty
5%" x 25'	SGH25	5
%" x 50'	SGH50	5
%" x 75'	SGH75	3
⁵⁄8" x 100'	SGH100	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	Optional
Size	Part #	Qty
5⁄8" x 50'	PGH50	4
5⁄8" x 100'	PGH100	4



## Flexogen® Hose

- · 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® Part #
5%" x 25'	FGH25
5%" x 50'	FGH50



Perfect Water Hose

THE PERFECT GARDEN HOS

PGH

## 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%" x 25'	PWH25
5%" x 50'	PWH50
5%" x 100'	PWH100



#### Features:

- temperature range: -40°F to 150°F (-40°C to 66°C)
- anodized aircraft aluminum fittings 3/4" 111/2 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





## 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)

	PVC
Size	Part #
5⁄8" x 50'	GGH50
5⁄8" x 75'	GGH75



Garden Hose

#### Hot Water Rubber Reinforced Hose

- 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	Optional
Size	Part #	Qty
5⁄4" x 50'	HWH50	4
¾" x 50'	HWH50-75	4





## Ν

## 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'	MCH50	5



## 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	Optional
	Part #	Qty
1" x 50'	CCH50	2



N



## **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)         Length         Part #           5/16"         3/16"         55         100'         CL0305	
OD   ID   PSI @ 72°F (22°C) Part #	
5/16" 3/16" <b>55</b> 100' <b>CL0305</b>	
3/10   3/10   33   100   <b>CL0303</b>	
3/8" 1/4" <b>55</b> 100' <b>CL0406</b>	
1/2"   1/4"   <b>70</b>   100'   <b>CL0408</b>	
7/16"   5/16"   <b>50</b>   100'   <b>CL0507</b>	
1/2" 3/8" <b>40</b> 100' <b>CL0608</b>	
5/8" 3/8" <b>65</b> 100' <b>CL0610</b>	
5/8"   1/2"   <b>30</b>   100'   <b>CL0810</b>	
3/4" 1/2" <b>45</b> 100' <b>CL0812</b>	
7/8"   5/8"   <b>40</b>   100'   <b>CL1014</b>	
1"   3/4"   <b>35</b>   100'   <b>CL1216</b>	
1-1/4" 1" <b>28</b> 100' <b>CL1620</b>	
1-3/4" 1-1/4" <b>45</b> 50' <b>CL2028-50</b>	
2"   1-1/2"   <b>40</b>   50'   <b>CL2432-50</b>	

## imported

- 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	l ID	PSI @ <b>72°F (22°C)</b>	Lengur	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
11/4"	1"	30	100'	ICL1620
2"	1½"	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 (-3C to 66°C)
- shipped in coils, sold only in lengths shown below

Si	ze	Working Pressure	Length	Clear PVC
OD	ID	PSI @ <b>72°F (22°C)</b>	Lengui	Part #
.394	3/16"	315	300'	BR0306
.435	1/4"	315	300'	BR0446
.625	3/8"	265	300'	BR0609
.728	1/2"	215	300'	BR0812
.906	5/8"	200	300'	BR1014
1.024	3/4"	150	300'	BR1218
1.732	1-1/4"	110	100'	BR2027
1.950	1-1/2"	90	100'	BR2431



#### 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

Siz OD	ze   ID	Working Pressure PSI @ <b>72°F (22°C)</b>	Length	Clear PVC Part #
1/2"	1/4"	142	300'	IBR0446
5/8"	3/8"	114	300'	IBR0609
3/4"	1/2"	100	300'	IBR0812
1-1/16"	3/4"	71	300'	IBR1218
1-5/16"	1"	71	200'	IBR1621



## D.O.T. Air Brake Tubing Rolls

- 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	<i>Nylon</i> Part #
3/16"	black	100'	J844-03-BL-100
	black	100'	J844-04-BL-100
1/4"	blue	100'	J844-04-B-100
	red	100'	J844-04-R-100
	black	100'	J844-06-BL-100
3/8"	blue	100'	J844-06-B-100
	red	100'	J844-06-R-100
1/2"	black	100'	J844-08-BL-100
5/8"	black	100'	J844-10-BL-100
3/4"	black	100'	J844-12-BL-100









#### 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

Si OD	ze I ID	Wall Thickness	Working Pressure PSI @ <b>75°F (24°C)</b>	Length	Polyurethane Part #
1/8"	.062"	.0295"	255	250'	04063
5/32"	.094"	.0315"	210	100'	05094
1/4"	.160"	.0450"	175	100'	08160
3/8"	.245"	.0650"	170	100'	12250
1/2"	.320"	.0900"	175	50'	16320

## 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	Longth	Tubing	Polyethylene		
OD	ID	Thickness	PSI @ <b>75°F (24°C)</b>	Length	Color	Part #		
1/4"	.125"	.062"	350	100'	natural	0804		
1/4"	.170"	.040"	150	100'	natural	0817		
1/4"	.170"	.040"	150	100'	blue	0817BL100		
3/8"	.250"	.062"	150	100'	natural	1208		
1/2"	.375"	.062"	125	100'	natural	1612		

Si	ze	Wall	Working Pressure	l au autha	Tubing	Polyethylene
OD	ID	Thickness	PSI @ <b>75°F (24°C)</b>	Length	Color	Part #
1/4"	.170"	.040"	150	500'	blue	0817BL
1/4"	.170"	.040"	150	500'	black	0817BR
1/4"	.170"	.040"	150	500'	natural	0817CR
3/8"	.250"	.062"	150	500'	black	1208BR
3/8"	.250"	.062"	150	500'	natural	1208CR

## **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



Si	Size Wall		Working Pressure	Longth	Nylon
OD	ID	Thickness	PSI @ <b>75°F (24°C)</b>	Length	Part #
1/8"	.093"	.016"	270	100'	04093
5/32"	.106"	.025"	350	100'	05106
3/16"	.138"	.025"	260	100'	06138
1/4"	.170"	.040"	330	100'	08170
1/4"	.180"	.035"	290	100'	08180
3/8"	.275"	.050"	250	100'	12275
1/2"	.375"	.062"	240	100'	16375

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)



Siz	ze	Wall	Working Pressure		Natural Nylon	Black Nylon	Blue Nylon
OD	ID	Thickness	PSI @ <b>75°F (24°C)</b>	Length	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
Siz	ze	Wall	Working Pressure	l a sa astla	Natural Nylon	Black Nylon	Blue Nylon
OD	ID	Thickness	PSI @ <b>75°F (24°C)</b>	Length	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)



Si	ze	Wall	Working Pressure	Longth	Clear Polyurethane	Black Polyurethane	Blue Polyurethane
OD	ID	Thickness	PSI @ <b>75°F (24°C)</b>	Length	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
					•	•	-
Si	ze	Wall	Working Pressure	Longth	Clear Polyurethane	Black Polyurethane	Blue Polyurethane
OD	ID	Thickness	PSI @ <b>75°F (24°C)</b>	Length	Part #	Part #	Part #
1/8"	.062"	.031"	233	100'	1094U53R00	4004115004	400 444-004
			200	100	1094053R00	1094U5301	1094U5304
5/32"	.093"	.031"	176	100'	1094U04R00	1094U5301 1094U0401	1094U5304 1094U0404
5/32" 1/4"	.093" .160"	.031" .045"					
			176	100'	1094U04R00	1094U0401	1094U0404
1/4"	.160"	.045"	176 148	100' 100'	1094U04R00 1094U56R00	1094U0401 1094U5601	1094U0404 1094U5604
1/4" 5/16"	.160" .216"	.045" .049"	176 148 148	100' 100' 100'	1094U04R00 1094U56R00 1094U08R00	1094U0401 1094U5601 1094U0801	1094U0404 1094U5604 1094U0804

## Fluoropolymer FEP 140 Tubing

- · FDA compliant materials
- · provides excellent resistance to aggressive and corrosive agents and high temperatures
- maximum temperature: 300°F (149°C)

Si	ze	Wall	Working Pressure	Longth	Clear Fluoropolymer
OD	ID	Thickness	PSI @ 72°F (22°C)	Length	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



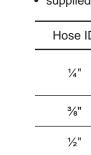
# Hose & Tubing

## Coil-Chief Self-Storing Air Hose

## hose - fittings included

#### Feature:

• supplied with swivel on one end



Hose ID	Length	Male NPT	Working Pressure @ 70°F (21°C)	<i>Nylon</i> Part #
	12'	1/4"	185	CC1412
1/4"	25'	1/4"	185	CC1425
	50'	1/4"	185	CC1450
3/8"	25'	3/8"	165	CC3825
78	50'	3/8"	165	CC3850
1/2"	25'	1/2"	170	CC1225
/2	50'	1/2"	170	CC1250

## bulk hose - no fittings

• need assembly kits below for ends



Hose ID	Length	<i>Nylon</i> 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	Polyurethane
1100015	Longin	IVIGIO I VI	Pressure (PSI)	Part #
	10'	1/4"	145	PU1410
1/4"	15'	1/4"	145	PU1415
	25'	1/4"	145	PU1425
	15'	3/8"	135	PU3815
3/8"	20'	3/8"	135	PU3820
/8	25'	3/8"	135	PU3825
	50'	3/8"	135	PU3850
1/2"	15'	1/2"	155	PU1215



## Repair Kits

Ci-ro	Tubing Size		T.//20	Brass
Size	ID	OD	Туре	Part #
1/4"	1/4"	3/8"	swivel male	PSM0404
/4	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
-78	50'	3/8"	650-6S





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## **PVC Tubing and Hose Cutters**

Hose & Tubina



#### Features:

- rugged construction cuts up to 3/4" tubing or hose
- corrosion resistant hardened steel blade ensures straight, crisp cuts for optimum fit

F	a	rt	#

#### 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 1½" OD
- tough fiberglass reinforced handle
- stainless steel blade

#### Part #

## LHC95

LHC95RB (replacement blade)

N

#### 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	Average	Length in	Dash	Working	Burst	White, non-conductive	Black, conductive
Size	ID	Feet	Size	Pressure	Pressure	Part #	Part #
3/16"	.125"	100'	dash-3	3000 PSI	12000		BSB-03-100
1/4"	.187"	100'	dash-4	3000 PSI	12000	WSB-04-100	BSB-04-100
5/16"	.250"	100'	dash-5	3000 PSI	12000	WSB-05-100	BSB-05-100
3/8"	.312"	100'	dash-6	2500 PSI	10000	WSB-06-100	BSB-06-100
3/8T"	.375"	100'	dash-6T	2250 PSI	9000	WSB-06T-100	BSB-06T-100
1/2"	.405"	100'	dash-8	2000 PSI	8000	WSB-08-100	BSB-08-100
5/8"	.500"	100'	dash-10	1750 PSI	7000	WSB-10-100	BSB-10-100
3/4"	.625"	100'	dash-12	1500 PSI	6000	WSB-12-100	BSB-12-100
3/4T"	.750"	50'	dash-12T	1100 PSI	4400	WSB-12T-50	BSB-12T-50
1"	.875"	50'	dash-16	1000 PSI	4000	WSB-16-50	BSB-16-50

# Nominal Smooth Bore PTFE Hose Per Foot Length (fittings not included)

Nominal	Average	Dash	White, non-conductive	Black, conductive
Size	ID	Size	Part #	Part #
3/16"	.125"	dash-3	WSB-03	BSB-03
1/4"	.187"	dash-4	WSB-04	BSB-04
5/16"	.250"	dash-5	WSB-05	BSB-05
3/8"	.312"	dash-6	WSB-06	BSB-06
3/8T"	.375"	dash-6T	WSB-06T	BSB-06T
1/2"	.405"	dash-8	WSB-08	BSB-08
5/8"	.500"	dash-10	WSB-10	BSB-10
3/4"	.625"	dash-12	WSB-12	BSB-12
3/4T"	.750"	dash-12T	WSB-12T	BSB-12T
1"	.875"	dash-16	WSB-16	BSB-16
1T"	1.000"	dash-16T	WSB-16T	BSB-16T
1-1/4"	1.125"	dash-20Z	WSB-20Z¹	<b>BSB-20Z</b> 1



per feet lengths are available from Maryland and Texas only, call Dixon<sup>®</sup> 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 #	<i>Brass</i> Part #
dash 4	1/4"	FJC-04-04	FJS-04-04	FJB-04-04
dash 5	5/16"	FJC-05-05	FJS-05-05	FJB-05-05
dash 6	3/8"	FJC-06-06	FJS-06-06	FJB-06-06
dash 8	1/2"	FJC-08-08	FJS-08-08	FJB-08-08
dash 10	5/8"	FJC-10-10	FJS-10-10	FJB-10-10
dash 12	3/4"	FJC-12-12	FJS-12-12	FJB-12-12
dash 16	1"	FJC-16-16	FJS-16-16	FJB-16-16
dash 20Z	11/4"	FJC-20Z-20	FJS-20Z-20	FJB-20Z-20

## **Rigid Male Pipe Fittings**



Hose Size	Thread Size	Carbon Steel Part #	304 Stainless Steel Part #	<i>Brass</i> Part #
dash 4	1/8"	MPC-04-02	MPS-04-02	MPB-04-02
dash 4	1/4"	MPC-04-04	MPS-04-04	MPB-04-04
dash 5	1/4"	MPC-05-04	MPS-05-04	MPB-05-04
dash 6	1/4"	MPC-06-04	MPS-06-04	MPB-06-04
dash 6	3/8"	MPC-06-06	MPS-06-06	MPB-06-06
dash 8	3/8"	MPC-08-06	MPS-08-06	MPB-08-06
dash 8	1/2"	MPC-08-08	MPS-08-08	MPB-08-08
dash 10	1/2"	MPC-10-08	MPS-10-08	MPB-10-08
dash 12	3/4"	MPC-12-12	MPS-12-12	MPB-12-12
dash 16	1"	MPC-16-16	MPS-16-16	MPB-16-16
dash 20Z	1¼"	MPC-20Z-20	MPS-20Z-20	MPB-20Z-20

#### **Female SAE Swivels**



Hose Size	Thread Size	Carbon Steel Part #	<i>Bra</i> ss Part #
dash 6	3/8"	SAEC-06-06	SAEB-06-06
dash 12	3/4"	SAEC-12-12	SAEB-12-12

## 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	ITDH
dash 4	die	ITD-04
dash 5	die	ITD-05
dash 6	die	ITD-06
dash 8	die	ITD-08
dash 10	die	ITD-10
dash 12	die	ITD-12
dash 16	die	ITD-16

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## 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		ITDH
die	dash 4	ITD-04
die	dash 5	ITD-05
die	dash 6	ITD-06
die	dash 8	ITD-08
die	dash 10	ITD-10
die	dash 12	ITD-12
die	dash 16	ITD-16



## 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 Part #
dash 4	1/4"	TES-04-04
dash 6	3/8"	TES-06-06
dash 8	1/2"	TES-08-08
dash 12	3/4"	TES-12-12
dash 16	1"	TES-16-16



## 45° FJIC Fittings

Hose Size	Thread Size	304 Stainless Steel Part #	Carbon Steel Part #
dash 3	3/16"	FJS45-03-03	FJC45-03-03
dash 4	1/4"	FJS45-04-04	FJC45-04-04
dash 5	5/16"	FJS45-05-05	FJC45-05-05
dash 6	3/8"	FJS45-06-06	FJC45-06-06
dash 8	1/2"	FJS45-08-08	FJC45-08-08
dash 10	5/8"	FJS45-10-10	FJC45-10-10
dash 12	3/4"	FJS45-12-12	FJC45-12-12
dash 16	1"	FJS45-16-16	FJC45-16-16
dash 20Z	11/4"	FJS45-20Z-20	FJC45-20Z-20



## 90° FJIC Fittings

Hose Size	Thread Size	304 Stainless Steel Part #	Carbon Steel Part #
dash 3	3/16"	FJS90-03-03	FJC90-03-03
dash 4	1/4"	FJS90-04-04	FJC90-04-04
dash 5	5/16"	FJS90-05-05	FJC90-05-05
dash 6	3/8"	FJS90-06-06	FJC90-06-06
dash 8	1/2"	FJS90-08-08	FJC90-08-08
dash 10	5/8"	FJS90-10-10	FJC90-10-10
dash 12	3/4"	FJS90-12-12	FJC90-12-12
dash 16	1"	FJS90-16-16	FJC90-16-16
dash 20Z	11/4"	FJS90-20Z-20	FJC90-20Z-20





True ID Hose



### Application:

• suitable for conveying acids, chemicals, foods and pharmaceuticals

#### **Features**

- size range: 1/4" 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<sup>®</sup> 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 #	<i>Black, conductive</i> Part #
1/4"	1740	6960	WOC-T04	BOC-T04
3/8"	1850	7400	WOC-T06	BOC-T06
1/2"	1500	6000	WOC-T08	BOC-T08
3/4"	1300	5200	WOC-T12	BOC-T12
1"	1000	4000	WOC-T16	BOC-T16
11/4"	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)

Siz	e Working	Burst	White, non-conductive	Black, conductive
	Pressure PS	Pressure PSI	Part #	Part #
1/4' 3/8' 1/2' 3/4' 1"	2250 1500	12000 9000 6000 4400 3600 6600	WTB-T04 WTB-T06 WTB-T08 WTB-T12 WTB-T16 WTB-T16Z	BTB-T04 BTB-T06 BTB-T08 BTB-T12 BTB-T16 BTB-T16Z
1¼	1	4000	WTB-T20Z	BTB-T20Z
1½		4000	WTB-T24Z	BTB-T24Z

## True ID Fittings

Crimp collars for all True ID fittings are sold separately

#### Female JIC Swivels

Cina	Carbon Steel	316 Stainless Steel
Size	Part #	Part #
1/4"	FJC-T04	FJR-T04
3/8"	FJC-T06	FJR-T06
1/2"	FJC-T08	FJR-T08
3/4"	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	316 Stainless Steel
Size	Part #	Part #
1/4"	MPC-T04	MPR-T04
3/8"	MPC-T06	MPR-T06
1/2"	MPC-T08	MPR-T08
3/4"	MPC-T12	MPR-T12
1"	MPC-T16	MPR-T16
11/4"	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 Part #
1/2"	1"	TCR-T08-16
1/2"	1½"	TCR-T08-24
3/4"	1½"	TCR-T12-24
1"	1"	TCR-T16-16
1"	1½"	TCR-T16-24
1½"	1½"	TCR-T24-24
2"	2"	TCR-T32-32



## **Mini Sanitary Tri-Clamps**

Size	316 Stainless Steel Part #
1/2"	TCMR-T08
3/4"	TCMR-T12



contact Dixon® at 888.226.4673 for GSM and PTFE hose assemblies

## Feature:

## Flange Retainers

• for use with lap joint flanges, see pages 688 - 689

Size	316 Stainless Steel Part #	316 Stainless Steel PTFE Encapsulated Part #
1/2"	FRR-T08	
3/4"	FRR-T12	FRRE-T12
1"	FRR-T16	FRRE-T16
11/4"	FRR-T20	FRRE-T20
11/2"	FRR-T24	FRRE-T24
2"	FRR-T32	FRRE-T32



## Crimp Collars

## **Convoluted Crimp Collar**

- for open pitch convoluted PTFE hose only
- · new design for ease of installation and improved appearance of finished crimp

Size	Carbon Steel Part #	304 Stainless Steel Part #
1/4" 3/8" 1/2" 3/4"	CSC-T04-1 CSC-T06-1 CSC-T08-1 CSC-T12-1	SSC-T04-1 SSC-T06-1 SSC-T08-1 SSC-T12-1
1" 1¼" 1½" 2"	CSC-T16-1 CSC-T20-1 CSC-T24-1 CSC-T32-1	SSC-T16-1 SSC-T20-1 SSC-T24-1 SSC-T32-1



#### Features:

Features:

## **Smooth Bore Crimp Collars**

- for True ID smooth bore PTFE hose only
- · new design for ease of installation and improved appearance of finished crimp

Size	Carbon Steel Part #	304 Stainless Steel Part #			
1/4" 3/8" 1/2" 3/4"	CSC-T04-2 CSC-T06-2 CSC-T08-2 CSC-T12-2	SSC-T04-2 SSC-T06-2 SSC-T08-2 SSC-T12-2			
1" 1¼" 1½"	CSC-T16-2 CSC-T20-2 CSC-T24-2	SSC-T16-2 SSC-T20-2 SSC-T24-2			



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"	FRSGX16
0.55"	66'	.62" to 1.06"	FRSGX20
0.80"	66'	.86" to 1.37"	FRSGX25
1.00"	66'	1.06" to 1.69"	FRSGX32
1.26"	66'	1.30" to 2.17"	FRSGX40
1.50"	66'	1.65" to 2.52"	FRSGX50
2.00"	66'	2.05" to 2.95"	FRSGX63
2.40"	66'	2.56" to 3.80"	FRSGX75
2.83"	66'	3.15" to 4.30"	FRSGX90
3.43"	33'	3.80" to 4.90"	FRSGX110

#### **Standard Product**

- · 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"	NFSGX16
0.55"	66'	.62" to 1.06"	NFSGX20
0.80"	66'	.86" to 1.37"	NFSGX25
1.00"	66'	1.06" to 1.69"	NFSGX32
1.26"	66'	1.30" to 2.17"	NFSGX40
1.50"	66'	1.65" to 2.52"	NFSGX50
2.00"	66'	2.05" to 2.95"	NFSGX63
2.40"	66'	2.56" to 3.80"	NFSGX75
2.83"	66'	3.15" to 4.30"	NFSGX90
3.43"	33'	3.80" to 4.90"	NFSGX110
4.48"	40'	4.50" to 5.50"	NFSGX125
5.07"	27'	4.80" to 6.00"	NFSGX140
5.87"	20'	5.70" to 7.00"	NFSGX160

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# Fiberglass Sleeving

### 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
11/4"	LW20200
1½"	LW24200
2"	LW32200
2½"	LW40200
3"	LW48200
3½"	LW56200
4"	LW64200



# 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 #
½" (13 mm)	K\$08200
¾" (19 mm)	K\$12200
1" (25 mm)	KS16200
1¼" (32 mm)	KS20200
1½" (38 mm)	KS24200
1¾" (44 mm)	KS28200
2" (51 mm)	KS32200
2½" (64 mm)	KS40200
3" (76 mm)	KS48200
3½" (89 mm)	KS56200
4" (102 mm)	KS64200
, , ,	



# Nylon Protective Sleeves - MSHA Accepted

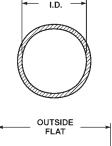
### Features:

- 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 continous rolls/has splices

	Nominal	Outside	100' rolls	300' rolls	
	ID	Flat	Part #	Part #	
ľ	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	



NOMINAL





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# Hose & Tubing

# 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	Wire	Overall	Tang	Approx. #	Galvanized Steel	304 Stainless Steel
ID	Gauge	Length	Length	of Coils/Ft.	Part #	Part #
3/4"	0.175	12"	1"	33	SEGC1-0.75-12	SEGS1-0.75-12
1"	0.175	12"	1"	33	SEGC1-1.00-12	SEGS1-1.00-12
11/4"	0.175	14"	2"	39	SEGC1-1.25-14	SEGS1-1.25-14
1½"	0.175	14"	2"	39	SEGC1-1.50-14	SEGS1-1.50-14
1¾"	0.175	16"	2"	44	SEGC1-1.75-16	SEGS1-1.75-16
2"	0.280	16"	2"	44	SEGC1-2.00-16	SEGS1-2.00-16
21/2"	0.280	18"	2"	50	SEGC1-2.50-18	SEGS1-2.50-18
3"	0.280	18"	2"	50	SEGC1-3.00-18	SEGS1-3.00-18

### without tang



				WILLIOU	t tarig		
(	Guard	Wire	Overall	Tang	Approx. #	Galvanized Steel	304 Stainless Steel
	ID	Gauge	Length	Length	of Coils/Ft.	Part #	Part #
Ī	3/4"	0.175	12"	1"	33	SEGC0-0.75-12	SEGS0-0.75-12
	1"	0.175	12"	1"	33	SEGC0-1.00-12	SEGS0-1.00-12
	11/4"	0.175	14"	2"	39	SEGC0-1.25-14	SEGS0-1.25-14
	1½"	0.175	14"	2"	39	SEGC0-1.50-14	SEGS0-1.50-14
	13/4"	0.175	16"	2"	44	SEGC0-1.75-16	SEGS0-1.75-16
	2"	0.280	16"	2"	44	SEGC0-2.00-16	SEGS0-2.00-16
	2½"	0.280	18"	2"	50	SEGC0-2.50-18	SEGS0-2.50-18
	3"	0.280	18"	2"	50	SEGC0-3.00-18	SEGS0-3.00-18

# 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 at 888.226.4673 for custom lengths or sizes



Guard	Wire	Overall	Approx. #	Galvanized Steel	304 Stainless Steel
ID	Gauge	Length	of Coils/Ft.	Part #	Part #
3/4"	0.175"	25'	33'	CWG-C-0.75-25	CWG-S-0.75-25
1"	0.175"	25'	33'	CWG-C-1.00-25	CWG-S-1.00-25
11/4"	0.175"	25'	33'	CWG-C-1.25-25	CWG-S-1.25-25
1½"	0.175"	25'	33'	CWG-C-1.50-25	CWG-S-1.50-25
13/4"	0.175"	25'	33'	CWG-C-1.75-25	CWG-S-1.75-25
2"	0.280"	25'	33'	CWG-C-2.00-25	CWG-S-2.00-25
21/2"	0.280"	25'	33'	CWG-C-2.50-25	CWG-S-2.50-25
3"	0.280"	25'	33'	CWG-C-3.00-25	CWG-S-3.00-25

# GSM Ball-Joint Armored Hose Assemblies

# inner hoses are specialty industrial rubber, hydraulic, corrugated stainless steel or PTFE

ball-joint armor protects against extreme heat, molten splash, abrasion and kinking multiple layers of 1000°F fiberglass insulation provide extreme heat resistance



### Application:

• includes but not limited to: water cooling hose, oxygen supply hose, hydraulic hose, natural gas hose, black liquor hose, steam hose

### Sizes:

- 1/4" 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

- 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<sup>®</sup> at 888.226.4673

Thread Tape & Sealant 902 to 90	)3
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American made (purple)	
Industrial (white)	
Stainless steel (gray)	
Industrial heavy duty (pink)	
For LP gas (yellow)	
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# 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 #
	520"	TTPM50-520
1/2"	700"	TTPM50-700
	1429"	TTPM50-1429
	520"	TTPM75-520
3/4"	700"	TTPM75-700
	1429"	TTPM75-1429
	520"	TTPM100-520
1"	700"	TTPM100-700
	1429"	TTPM100-1429



# Industrial PTFE Tape (White)

### Features:

- thickness: 3.5 mil (0.0035 mm)
- temperature range: -212°F to 500°F (-136°C to 260C)



Size	Length	Part #	Optional Qty
	260"	TTA50	550
1/2"	520"	TTB50	500
	1296"	TTC50	250
3/4"	260"	TTA75	350
	520"	TTB75	350
1"	520"	TTB100	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"	TTA50SS	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"	TTBP50	500



# PTFE Tape for LP Gas (Yellow)

- thickness: 4 mil
- maximum temperature: 500°F (260°C)
- **Underwriters Listed**

Size	Length	Part #	Optional Qty
1/2"	260"	TTA50LP	500

# 0

# 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
½ pint	LCTS14	24
½ pint	LCTS1	24
1 pint	LCTS2	12
1 quart	LCTS3	12



# Maintenance & Repair -

# 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 #
1/4"	20'	LCJS4-20
1/4"	50'	LCJS4-50
3/8"	25'	LCJS6-25
1/2"	15'	LCJS8-15
3/4"	15'	LCJS12-15



### Leak Detector

- · 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.	LCLD	24







# Coupling Inserter for Large Hose

### Features:

- inserts 4", 5", 6", 8", 10" and 12" couplings
  includes CI96AH pump (shown below)

- coupling inserter pusher plates (not shown) must be purchased separately

Part #		
	CI9	
Hose ID	Part #	
4" - 5" 6" - 8" 10" - 12"	45CIPUSH 68CIPUSH 1012CIPUSH	



# Coupling Inserters



# 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 inserter with <b>10,000 PSI</b> air/hydraulic pump and 5 ton ram small jaws for 1" to 3" OD hose	CI96 CI96AH CI9311SML





# $\mathsf{C}$

# 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: 1/8" with 2" stroke
- · stainless steel piston
- working pressure: 1000 PSI at 70°F (21°C)

NPT Inlet	NPT Outlet	Aluminum Part #
1/2"	1/2"	ННТР



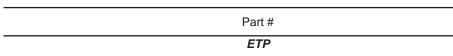
# Maintenance & Repair

# 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
- ½" x 25' intermediate hose with brass Straight-Thru Quick Coupler x NPSM swivel connection
- 1/2" brass Straight-Thru plug on pressure outlet
- 0 3000 PSI back mount liquid filled pressure gauge





### **Pneumatic Test Pump**

- 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	Wall Mount
Part #	Part #
PTP	PTP-WM







# 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 & Groove Test Caps for Male Adapters



	•
Size	Iron / Steel Part #
1"	ID100TC
1½"	ID150TC
2"	ID200TC
3"	ID300TC
4"	ID400TC

# **Cam & Groove Test Plugs for Female Couplers**



Size	Iron / Steel Part #
1"	IA100TP
1½"	IA150TP
2"	IA200TP
3"	IA300TP
4"	IA400TP

# **Female NPT Test Caps**



Size	Iron / Steel Part #
1"	NPT100TC
1½"	NPT150TC
2"	NPT200TC
3"	NPT300TC
4"	NPT400TC

### **Male NPT Test Plugs**



Size	Iron / Steel Part #
1"	100TP
1½"	150TP
2"	200TP
3"	300TP
4"	400TP

### **Bleed-off Valve**

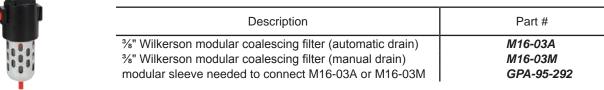


M16-03A

Part #

### **FRL Attachment Accessories**





# Sprinkler System Gauge (UL-393)







- 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)

Туре	Part #
water (0-300 PSI)	SWG300-4



# 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 3½" diameter gauge
- freeze proof to -40°F (-40°C)
- other sizes and threads are also available, contact Dixon®

NST (NH) Thread	Hardcoated Aluminum Part #
1½"	ALTG150F
2½"	ALTG250F



# Three Way Gauge Valve

### Features:

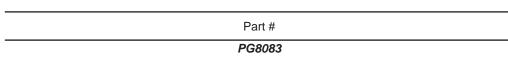
- · permits checking or replacing a gauge without shutting down the whole line
- · disc: rubber

NPT Thread	Working Pressure (PSI)	<i>Brass</i> Part #
1/4"	175	TWGV25



# **PITOT Gauge**

- liquid filled gauge 0-160 PSI is standard, other pressures available, contact Dixon<sup>®</sup>
- · supplied with handle grip, case and fire stream/friction loss data





# 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	<i>Brass</i> Part #
1" female NPT	1" male NPSH	SLT10050





# Maintenance & Repair

# 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 drys, slipping action goes away

Size	Part #
1 liter	DCL20
4 liters	DCL80

### 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.	WD40	12

# Spill Kits



oil spill kit

- 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





universal spill kit

Dixon® Soft Hose Mallet

### 10003301103

### 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



### 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 #

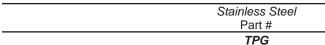
DDT1



# Screw Pitch Gauge

### Features:

- used to determine threads per inch
- 30 leaves





DPL418 877.963.4966 • dixonvalve.com 909

# Maintenance & Repa<u>i</u>r

# **Bottle Opener**



### CAMOPENER

# Safety Tag

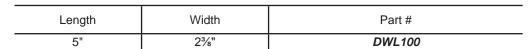
### Features:

 Dixon® strongly recommends the use of a safety tag or warning label on all hose assemblies.



sold in quantities of 100 only





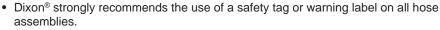


### **WARNING!!**

- · 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:





• length of tape - 55 yards, approximately 255 warnings



Length	Part #
1½"	DSTW



### **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



# $\mathsf{C}$

# Stretch Straps

### Features:

- durable tie down straps
- made of EPDM
- length does not include S-hooks
- S-hooks are steel

Length	Part #
10"	SSE10
15"	SSE15
21"	SSE21
31"	SSE31
41"	SSE41



### **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

### Pick Head Fire Axe

- 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 axe brackets	PHFA6 PHFA-B-A











# Maintenance & Repair

# 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



	Brass	3
Assembly Length	Previous Part #	Part #
8"	GWH-0800	GWH0800
12"	GWH-1200	GWH1200
12		GWH1200R1
18"	GWH-1800	GWH1800
10		GWH1800R <sup>1</sup>
24"	GWH-2400	GWH2400
36"	GWH-3600	GWH3600
48"	GWH-4800	GWH4800
60"	GWH-6000	GWH6000

<sup>1</sup> retail packaging

# **Grease Whip Hose Fittings**

- 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
Description	Previous Part #	Part	Qty
1/8"-27 female NPT thread, grease hose coupler with ball check - valved shutoff	GWH-C	GWHC	25
1/8"-27 female NPT thread, full flow grease hose coupler		GWHC-FF	25

Add 'R' suffix to part number for retail pack option

### Male NPT Thread - Chamfered Base



Description	Brass		Optional
Description	Previous Part #	Part #	Qty
1/8"-27 male NPT thread, drilled and chamfered base	001-0055	0010055C	100

### Male NPT thread - Solid Base



Description	Brass		Optional
Description	Previous Part #	Part #	Qty
1/8"-27 male NPT thread, solid base	001-0260	0010260C	100

### **Female NPT Thread**



Description	Bra	Optional	
Description	Previous Part #	Part #	Qty
1/₃"-27 female NPT thread	001-0860	0010860C	100



# C

# 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	GWHZ000	100
1/4-28 tapered SAE-LT	straight	.530"	.200"	.312	GWHZ400	100



45°

Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #	Pkg Qty
1/8"-27 NPT	45°	.860"	.280"	.430	GWHZ045	100
1/4"-28 tapered SAE-LT	45°	.800"	.200"	.375	GWHZ445	100



90°

Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #	Pkg Qty
1/8"-27 NPT	90°	.830"	.310"	.430	GWHZ090	100
1/4"-28 tapered SAE-LT	90°	1.20"	.200"	.375	GWHZ490	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	GWHZ000R
1/4"-28 tapered SAE-LT	straight	.530"	.200"	.312	GWHZ400R



45°

	Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #
_	1/8"-27 NPT	45°	.860"	.280"	.430	GWHZ045R
	1/4"-28 tapered SAE-LT	45°	.800"	.200"	.375	GWHZ445R



90°

Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #
1/8"-27 NPT	90°	.830"	.310"	.430	GWHZ090R
1/4"-28 tapered SAE-LT	90°	1.20"	.200"	.375	GWHZ490R



O



Maintenance & Repair

# Oxy-Acetylene Hose Couplings

# **Acetylene Couplings**

left-hand thread for acetylene line x hose shank



	Left UNF			Brass
Hose Size	Thread	Hex	Previous Part #	Part #
2/46"	3/8"-24	7/16"	OA69	1540306K
3/16"	9/16"-18	11/16"	OA70	1540309K
1/4"	9/16"-18	11/16"	OA71	1540409K
5/16"	9/16"-18	11/16"	OA72	1540509K
3/8"	9/16"-18	11/16"	OA73	1540609K

### **Oxygen Couplings**

right-hand thread for oxygen line x hose shank



	Right UNF	Llan	Brass		
Hose Size	Thread	Hex	Previous Part #	Part #	
2/4.0!!	3/8"-24	7/16"	OA59	1520306K	
3/16"	9/16"-18	11/16"	OA60	1520309K	
1/4"	9/16"-18	11/16"	OA61	1520409K	
5/16"	9/16"-18	11/16"	OA62	1520509K	
3/8"	9/16"-18	11/16"	OA63	1520609K	

# Oxy-Acetylene Connecting Spuds

### Left-hand Thread x Left-hand Thread



Left UNF	11	Brass		
Thread	Hex	Previous Part #	Part #	
9/16"-18	11/16"	OA52	1580909C	

### Right-hand Thread x Right-hand Thread



Right UNF	Havi		Brass
Thread	Hex	Previous Part #	Part #
9/16"-18	11/16"	OA50	1560909C

# Oxy-Acetylene Adapters

# Left-hand Thread x NPTF



Left UNF	NPTF	11		Brass
Thread	Thread	Hex	Previous Part #	Part #
9/16"-18	1/4"	5/8"	158-0904	1580904C
	3/8"	11/16"	158-0906	1580906C

# Right-hand Thread x NPTF



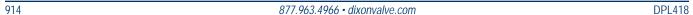
-											
	Right UNF	NPTF	Have	Brass							
	Thread	Thread	Hex	Previous Part #	Part #						
	9/16"-18	1/4"	5/8"	156-0904	1560904C						
	9/10 -10	3/8"	11/16"	156-0906	1560906C						

# Oxy-Acetylene Ferrules

### • sold in package quantities only



Inside Dimensions	Overall Length			<i>Brass</i> Part #	Qty
.458" x 0.890"	15/32"	.019"	9116	BFO448	25
.474" x 0.943"	15/32"	.019"	9979	BFO474	25
.535" x 1.071"	3/4"	.024"	9940P	BFO535	25
.593" x 1.109"	3/4"	.024"	9593	BFO593	25
.700" x 1.325"	.719"	.025"	8337	BF0700	25



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# Proposition 65 Information



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:

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

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."

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.

# 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.

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

<sup>&</sup>lt;sup>1</sup> "Handbook of Compressed Gases"

# General Safety Information, continued

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

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 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.

inspect and re-tighten the bolts of any bolt style clamping device to the manufacturer's torque specifications. Always -

Fittings hose and clamping devices that are worn out or damaged must be removed from service.

your employees about the proper use, care and potential hazards of hose assemblies. Take advantage of Dixon's Educate 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:

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? What is the temperature range of the media (product) that is flowing through the hose assembly?

Temperature:

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: 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?

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. Media:

Check for: Abrasive materials, chemical compatibility, etc.

What is the maximum pressure including surges (or, maximum vacuum) that this hose assembly will be Pressure:

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

Size:

Dixon® recommends that, based on the hose, fittings and attachment method used, all assemblies be Dixon®:

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.

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# P

### **Force Chart**

Safety

- For hose ID's from 11/4" 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<sup>2</sup> (PI [3.1416] times radius squared)
- Force = Area x Pressure

### Force (In Pounds)

nica	Hose ID	25 PSI	50 PSI	75 PSI	100 PSI	150 PSI	200 PSI	250 PSI	300 PSI	500 PSI	1000 PSI
<del>U</del>	1/4"	1	2	4	5	7	10	12	15	25	49
ě	3/8"	3	6	8	11	17	22	28	33	55	110
	1/2"	5	10	15	20	29	39	49	59	98	196
	3/4"	11	22	33	44	66	88	110	133	221	442
	1"	20	39	59	79	118	157	196	236	393	785
	11/4"	31	61	92	123	184	245	307	368	614	1227
	11/4"	44	88	133	177	265	353	442	530	884	1767
	2"	79	157	236	314	471	628	785	942	1571	3142
	21/4"	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.

Hose and coupling safety	page 916
S.T.A.M.P.E.D.	
EZ Boss-Lock™ handles	page 166
Cam and groove safety clips	page 171
Air King™ - not to be used for steam statement	page 283
King™ cable safety cables	page 362
Safety shut-off valves, OSHA REG. 1926.302	page 556
30 PSI safety blow guns	page 371
Safety vented ball valves	page 534
Safety tags and safety tape	page 910
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.

# D

### 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  $\frac{1}{2}$ " 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, please check the website for updates.

P

# Solutions on Site Vans by Dixon®

Safety & 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 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 then brass. <i>Type 304</i>	Techn
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-pressures 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.	

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

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

- 1 = Excellent
- 2 = Good
- 3 = Fair
- X = Not Recommended
- = Contact Dixon<sup>®</sup>

# Non-Metal

- A = Acceptable
- X = Not Recommended
- = Contact Dixon®

### **Gasket/Seal Material**

- T = PTFE
- V = FKM
- E = EPDM, EPR
- N = Neoprene
- 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. 2.
- 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.

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Safety 8

Acetate Solvents (Crude)  Acetate Solvents (Pure)  Acetic Acid (80%)  Acetic Acid (50%)  Acetic Acid (20%)  Acetic Acid (10%)  Acetic Anhydride  Acetone  Acetylene	Winding 1 1 2 2 2 2 2 1 1 1	X X X X X X X X X	В	1 Hastelloy, 1 C-276	X X X X X X X X X X X X X X X X X X X	2 1 1 2 2 2 2 1	Stainless 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 1 1 2 1 1 2 1	Stainless 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1	LIOMN A A X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	TE Seal Material Material
Alcohols Amyl Alcohol Benzyl Alcohol Butyl Alcohol Diacetone Alcohol Ethyl Alcohol Hexyl Alcohol Isobutyl Alcohol Isopropyl Alcohol Methyl Alcohol (Methanol) Octyl Alcohol Propyl Alcohol	2 2 1 1 1 - - 2 2	2 2 1 2 - - 2 2 2	2 2 1 2 2 - - 2 2 2	2 2 1 1 1 1 - 2 1	2 2 2 2 2 - - 2 2 2	1 1 1 1 2 - - 2 2	2 1 1 2 2 - - 2 2 2	2 1 1 2 2 - - 2 2 - 1	A X X X X A A A A A	A A A A A A A A A A A A A A A A A A A	TEVNB TVB TEVN TE TEVNB - TEVNB TEVNB TEVNB TENB TENB
Aluminum Aluminum Chloride (Aqu.) Aluminum Fluoride (Sat.) Aluminum Nitrate (Sat.) Aluminum Potassium Sulfate (Alum) Aluminum Sulfate (Sat.) Ammonia Ammonia Anhydrous Ammonia Gas Ammonia Nitrate	X 2 3 2 X 1 X	X	X - 2 2 X X -	1 - - 2 2 2	X X X X X	X 2 - 2 2 2 1 X	X X 2 X -	X 2 2 2 2 1	A X A X A	A A A A X X	TEVNB TEVNB TEVNB TEVNB TEVNB TENB TENB TENB
Ammonium Ammonium Biflouride Ammonium Carbonate (Sat.) Ammonium Casenate Ammonium Chloride (Sat.) Ammonium Hydroxide (Sat.) Ammonium Hydroxide (Sat.) Ammonium Nitrate Ammonium Phosphate (10-40%) Ammonium Sulfate (10-40%) Aniline Arsenic Acid Asphalt	- 2 - X 2 2 X X X	X X X X X X X X X X X X X X X X X X X	- X - 2 X X X X 2 2	2 2 2 2 2 	X 2 - X 1 X X X X X X X 2	2 2 X X X 2 2 2 X	- 2 - X 2 - 1 X 1 2	- 2 - X 2 - 2 2 1 2	X A A A A A A X X	A A A A A X X	TEVB TEVNB - TEVNB TEVNB TENB TEVNB TEVNB TEVNB TEVNB TV TEVNB TV
Barium Barium Carbonate (Sat.) Barium Chloride (Sat.) Barium Hydroxide (Sat.) Barium Sulfate Barium Sulfide Beer Benzaldehyde Benzene, Benzol Benzine Benzoic Acid Black Liquor Bleach (12.5% Active Chlorine)	X 2 X 1 2 1 - 2 X X	2 2 2 X 2 2 2 2 2 2 2 2 2 2	2 X 2 X 2 2 2 2 2 2	2 1 2 - - 1 2 2 - - X	2 X 2 X 2 2 X 2 X 2 X	2 2 1 2 X 1 2 2 2 -	2 X 2 2 2 1 2 2 - 2	2 2 2 2 1 2 2 2 - 2 2 X	A A A A A A X X X X	A A A A A X X X X A A	TEVNB TEVNB TEVNB TEVNB TEVNB TEVNB TE TV - TVN TEVNB TEVNB
Borax Boric Acid Brine Acid Bromic acid Bromine Liquid Butadiene, Butylene Butane Butyl Acetate Butyric Acid	X 1 - X 2 2 2 1	2 X 2 X - 2 2 2 2	2 2 X - 2 2 2 X	1 1 1 2 2 2 1 1	2 X - - 2 1 2 X	1 2 - X - 1 1 2	1 - - X 2 2 2	1 - X 2 2 2 2 2	X X X X X X X A A	A A A A X X X X	TEVNB TEVNB TEVNB TEVN TV TV TVNB TV T

		IVICI	Criai	Delecti	011						
AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylene	Seal Material
Calcium											_
Calcium Bisulfate	X	-	X	-	X	X	X	2	X	A	T
Calcium Bisulfide	-	-	-	-	-	2	-	2	A	A	TVB g
Calcium Bisulfite	X	X	2	2	X	X	-	2	X	A	TVNB C
Calcium Bromide Calcium Carbonate	X	2	2	2	X 2	2	1	X 2	X A	X	T TEVB TEVNB
Calcium Chloride (Sat.)	-	2	-	1	2	2	-	_	A	A	TEVNB
Calcium Hydroxide (Sat.)	X	2	X	<u> </u>	2	2	2	2	A	A	TEVNB
Calcium Hypochlorite (Sat.)	X	X	X	-	X	X	X	2	X	A	TEV
Carbon					7.		7.	_	7.	, ,	
Carbon Bisulfide	1	Х	2	2	2	Х	2	2	Α	Х	TV
Carbon Dioxide (Dry)	1	1	2	1	2	1	2	2	Α	Α	TENB
Carbon Dioxide (Wet)	1	Х	-	2	3	-	2	2	Х	Α	TENB
Carbon Disulfide	1	X	2	2	2	Х	2	2	Α	Х	TV
Carbon Monoxide	1	1	1	1	2	1	1	1	A	Α	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 Caustic Potash	2 X	2	2	1 1	2 X	1 -	2	2	X	A	TEVNB TEVNB
Caustic Potasti Caustic Soda (see Sodium Hydroxide)	_ ^	-	-		^	-	-		Α	Α	TEVIND
Cellosolves	2	2	2	2	2	2	2	2	Х	Α	TE
Chlorine (Liquid)	-	-	-	1	2	2	-	3	X	X	TV
Chloroform	<b>-</b>	<b>-</b>	-	2	X	1	-	-	X	X	TV
Chlorosulfonic Acid	-	Х	Х	1	2	2	Х	Х	X	X	T
Clorox (Bleach, 5.5% CL)	Х	-	-	-	X	-	-	2	X	-	TEVB
Chromic Acid (50%)	2	Х	Х	2	Х	Х	3	-	Х	Х	TVNB
Citric Acid	3	Х	Х	1	Х	2	-	-	Х	Α	TEVNB
Coke Oven Gas	2	3	3	-	2	2	2	2	Χ	Х	TEVN
Copper											
Copper Chloride	X	X	X	2	X	X	X	X	A	Α	TEVNB
Copper Cyanide	X	X	X	1	- V	X	2	2	X	-	TEVNB
Copper Sulfate Crysylic Acid (Conc.)	X 2	X 2	X	1 -	X 2	X 3	2	2	X	A X	TEVNB TEV
Cyclohexane	2	2	2	2	2	1	2	2	A	X	TVB
Detergents	2	2	2	1	2	<del>'</del>	1	2	A	A	TEVNB
Dextrose	2	-	-	2	-	2	-	-	A	A	TEVNB
Diesel Fuels	1	1	1	2	2	-	1	1	Α	Х	TVB
Diethylamine	2	-	Х	-	Х	1	2	2	Х	Α	TN
Disodium Phosphate	-	-	-	-	1	-	-	1	Α	Α	TEV
Ethers	2	2	2	2	2	2	1	1	Α	Χ	ТВ
Ethyl									Δ.	l V	<b>-</b>
Ethyl Acetate	-	-	2	2	2	2	2	2	A	X	TEVB
Ethyl Chloride Ethylene	-	-	2	2	2	2	-	1	Α	X	IEVB
Ethylene Chloride	-	-	-	-	2	2	-	-	Α	Х	TV
Ethylene Dichloride	<b>-</b>	2	Х	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	Х	Х	T
Fatty Acids	1	3	3	1	Х	2	-	1	Α	Α	TVNB
Ferric											
Ferric Chloride	X	X	2	2	X	X	X	X	X	Α	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 Ferrous	_ ^	_ ^		-	_ ^	2	-	-	X	Α	TEVNB
Ferrous Chloride (Sat.)	Х	Х	2	2	_	Х	Х	Х	Х	Α	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	Х	2	1	1	Х	Α	TEN
Formic Acid (Anhyd.)	1	X	2	1	Х	2			Х	Α	TEVN
Freon											
Freon 11	2	2	2	-	Х	1	2	2	Х	Х	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 Fuel Oil	2	2	3 2	2	X 2	2	2	2	A	A X	TVNB TVNB
Furfural	2	2	2	2	2	2	2	2	A	X	TEN
i unulai	ı	ı 4	ı	ı	ı	ı	4	ı	I 4	ı ^	I LIN

AGENT    Fig.	Р			Mat	terial S	Selecti	ion						
Refined Gasoline  2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 X X TVNB Galatin  2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 X TVNB Galatin  2 2 2 2 2 2 2 2 2 2 2 2 2 3 A X TVNB Galatin  2 2 2 2 2 2 2 2 2 2 2 2 2 A A A TEVNB Galatin  2 2 2 2 2 2 2 2 2 2 2 2 2 A A A TEVNB Galatin  2 2 2 2 2 2 2 2 2 2 2 2 A A A TEVNB Galatin  3 2 2 2 2 2 2 2 2 2 2 2 A A A TEVNB Galatin  4 2 2 2 2 2 2 2 2 2 2 2 A A A TEVNB Glycols  6 Glycols  1 1 2 1 2 1 2 1 1 1 A A TEVNB Hydrochroine Acid (50%)  4 X X X 2 2 X 2 2 2 2 A A A TEVNB Hydrochroine Acid (60%)  5 X X X X X X X X X X X X X X X X X X	•		Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylene	Seal Material
Sour Gasoline													T) () ID
Gelatin Sesonine  Gelatin Seso	-× (T		2										
Glue 2 2 2 2 1 2 2 1 2 2 - 2 7 A TEVNB Glycofine 1 1 1 2 1 2 1 1 1 A A TEVNB Glycofine 2 2 2 2 2 - 2 2 2 2 2 2 2 A A TEVNB Hydrogen Glycofine 2 2 2 2 2 1 2 2 2 2 2 A A TEVNB Hydrogen Glycofine 2 2 2 2 2 1 2 2 2 2 A A TEVNB Hydrogen Glycofine 2 2 2 2 2 1 2 2 2 2 A A TEVNB Hydrogen Glycofine Acid (S0%) X X X X X X X X X X X X X X X X X X X	ا ک	Sour Gasonne				1							
Glue 2 2 2 2 1 2 2 2 - 2 7 A TEVNB Glycofine 1 1 1 2 1 2 1 1 1 1 A A TEVNB Glycofine 2 2 2 2 2 - 2 2 2 2 2 2 A A TEVNB Hydrogen Carlo (19%)	ءِ ڇِ	Glucose	2					2					
Glycerine	ۇ ب	Glue	2										
Discrete	Ď.	Glycerine							1		Α		
Heptane	רט –	Glycols	2	2		-		2	2	2	Α		TEVNB
Hexane													
Hydrobromic Acid (50%)													
Hydrobromic Acid (20%)  X X X X 1 1 X 3 X X X X A TEVN Hydrochloric Acid (30%)  X X X X 1 1 X 3 X X X X A TEVN Hydrochloric Acid (36%)  X X X X 1 1 X X X X X X A TEVN Hydrocyanic Acid  2 X X 2 2 2 2 2 2 X A TEVN Hydrogen Hydrogen Peroxide (50%)  - X X 2 2 2 2 2 2 X A TEVN Hydrogen Peroxide (50%)  - X X X 2 X 2 X 2 X 2 X A TEVN Hydrogen Chloride (Chq.)  2 2 - 2 X 2 X A TEVN Hydrogen Chloride (Chq.)  2 2 - 2 X 2 X A TEVN Hydrogen Chloride (Chq.)  2 2 - 2 X 2 X A TEVN Hydrogen Chloride (Chq.)  2 2 X 2 X A TEVN Hydrogen Chloride (Chq.)  2 2 X 2 X A TEVN Hydrogen Chloride (Chq.)  1 1 1 X A TEVN Hydrogen Chloride (Chq.)  2 2 X X X X X X X TEVN Hydrogen Chloride (Chq.)  2 X X X X X X X X X X X X X X X													
Hydrochloric Acid (38%)													
Hydrochloric Acid (38%)			X			<del></del>							
Hydrocyanic Acid   10-50%   X			X			<u> </u>		X					
Hydrogen Peroxide (50%)		Hydrocyanic Acid	2	X	X	2							TEVN
Hydrogen Peroxide (60%)			Х	2	Х	2	Х	2	Х	2	Χ	-	TEVNB
Hydrogen Sulfide (Aqu.)		Hydrogen											
Hydrogen Chloride (Dry Gas)			-				1						
Hydrogen Gas					-						X		
Hypochlorous Acid					1 -		<del> </del>	_					
Indine													
Isopropy  Ether				X		<del>i                                      </del>							
Kerosene						-	<del></del>	2					Т
Ketones					2		2	2	2	2			
Lactic Acid (80%)			2										
Lactic Acid (80%)			2	2	2	<del></del>							
Lard Oil			3										
Lead   Lead Acetate			2	1		1							
Lead Acetate						'	3	2		۷	Α		TVD
Lead Chloride			Х	Х	Х	2	Х	2	2	2	Х	Α	TENB
Lime Sulphur		Lead Chloride	Х	-	-				2	2	Х		TVNB
Linsleic Acid						2							
Linseed Oil   2   2   2   2   2   2   2   2   2													
Magnesium         Algebraic         2         -         -         -         -         -         2         2         X         A         TEVNB           Magnesium Chloride         X         X         X         2         1         -         -         -         X         A         TEVNB           Magnesium Hydroxide         2         2         2         1         2         2         1         1         X         A         TEVNB           Magnesium Witrate         2         2         2         1         2         2         2         X         A         TEVNB           Magnesium Oxide         -													
Magnesium         Algebraic         2         -         -         -         -         -         2         2         X         A         TEVNB           Magnesium Chloride         X         X         X         2         1         -         -         -         X         A         TEVNB           Magnesium Hydroxide         2         2         2         1         2         2         1         1         X         A         TEVNB           Magnesium Witrate         2         2         2         1         2         2         2         X         A         TEVNB           Magnesium Oxide         -		Lubricants (Oil)	2		_	_	2	2	2			X	
Magnesium Carbonate				,							/ \	Λ	TVIND
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         X         A         TEVNB           Magnesium Oxide         -		Magnesium Carbonate	2	-	-	-	-	2	2	2	Х	Α	TEVNB
Magnesium Nitrate         2         2         2         1         2         3         2         X         A         TEVNB           Maleic Acid         -         2         3         2         X         -         -         2         X         A         TEVNB           Mercuric         Mercuric         X <td< td=""><td></td><td>Magnesium Chloride</td><td>X</td><td></td><td></td><td>1</td><td></td><td></td><td>-</td><td>-</td><td></td><td>Α</td><td></td></td<>		Magnesium Chloride	X			1			-	-		Α	
Magnesium Oxide         -         2         3         2         X         -         -         2         X         A         TEVNB           Mercuric Chloride         X         Y         Y         Y         Y         Y         Y         Y			2										
Magnesium Sulfate         2         -         2         -         1         2         2         X         A         TEVNB           Maleic Acid         -         2         3         2         X         -         -         2         X         A         TEVNB           Mercuric         Chloride         X         A         TEVB           Mercuric Cyanide         X         X         X         X         X         X         X         A         TEVB           Mercuric Ward         X         X         X         X         X         X         X         A         TEVB           Mercuric Cyanide         X         X         X         X         X         X         A         TEVB           Mercury         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X			i		2		<del>                                     </del>						IEVNB
Maleic Acid         -         2         3         2         X         -         -         2         X         A         TEV           Mercuric         Mercuric Cyanide         X         Y					2	-							TE\/NID
Mercuric         Mercuric Chloride         X         Y <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
Mercuric Cyanide				_	, j	_	7.			_		, (	
Mercury         X         X         X         X         X         X         X         X         X         TEVNB           Methane         1         1         2         1         2         1         1         1         A         X         TEVNB           Methanol         2			Х	Х	Х	-		Х		-		Α	
Methane         1         1         2         1         2         1         1         1         A         X         TEVNB           Methanol         2						•		2					
Methanol         2         2         2         2         2         2         2         2         2         A         A         TENB           Methyl         Methyl Bromide         X         -         -         -         2         -         2         2         X         X         TV           Methyl Ethyl Ketone         2													
Methyl           Methyl Bromide         X         -         -         -         2         2         2         X         X         TV           Methyl Ethyl Ketone         2         3         3         3         4         3         7         4         3         4         4         7         4         3         4 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
Methyl Bromide         X         -         -         -         2         2         2         X         TV           Methyl Ethyl Ketone         2         3         3         4         3         4         3         4											А		I LIVD
Methyl Ethyl Ketone         2			Х	-	-	-	2	-	2	2	Χ	Х	TV
Methyl Isobutyl Ketone         2         2         2         2         2         2         2         2         2         2         2         2         A         X         T           Methyl Methacrylate         2         -         -         -         X         -         2         2         X         A         T           Methyl Methacrylate         -         2         2         X         2         -         -         A         X         T           Methyl Methacrylate         -         2         2         X         2         -         -         -         A         X         T           Methyl Methacrylate         -         2         2         X         2         -         -         -         A         X         T           Milk         1         X         X         1         2         X         1         1         A         A         TEVNB           Mineral Oil         X         -         -         1         -         X         X         X         X         X         X         X         X         X         X         X         X         X         X			2	2		2	2	2	2	2		Х	
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           Muriatic Oil         2         1         -         -         2         1         1         2         A         A         TVNB           Muriatic Acid         X         -         -         1         -         X         X         X         A         TV           Napthalene         2         2         2         2         2         2         2         1         1         A         A         TV		Methyl Isobutyl Ketone	2				2		2	2	Α	Х	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         A         TV           Napthalene         2         2         2         2         2         2         1         1         A         A         TV			2		-								
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					2	<del>i                                      </del>							
Muriatic Acid         X         -         -         1         -         X         X         X         A         TV           Napthalene         2         2         2         2         2         1         1         A         A         TV						_							
Napthalene 2 2 2 2 2 1 1 A A TV			X				i						
	$\mathcal{P}_{\perp}$		2					2					
			2		2		2	2				Х	

			- I I I	Selecti							
AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylene	Seal Material
Nickel											
Nickel Chloride	Х	Х	X	-	Х	2	-	-	Χ	Α	TEVNB .
Nickel Sulfate	Х	Х	-	2	-	-	2	2	Χ	Α	TEVNB (
Nitric											
Nitric Acid (100%)	1	Х	Х	2	Х	Х	2	-	X	Х	TV TV TV
Nitric Acid (50%)	Х	Х	X	1	Х	Х	2	-	Х	Х	TV
Nitric Acid (30%)	Х	Х	Χ	1	Х	Х	1	-	Х	Х	TV
Nitrobenzene	1	2	2	-	2	2	2	2	Α	Α	Т
Oils		0				4					TE) (1) ID
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 Fuel Oil	2	2	2	2	2	1 2	2	2	A	A X	TVNB 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	<del>                                     </del>	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	<del>-</del>	-	X	X	TV
Petrolatum	2	-	2	-	3	2	2	2	A	-	TVNB
Phenol (Carbolic Acid)	1 1	1	X	1	2	1	<del>-</del>	1	X	Х	TV
Phosphoric Acid											
Phosphoric Acid (25-50%)	Х	Х	2	1	Х	Х	-	-	Χ	Α	TEVN
Phosphoric Acid (50-85%)	Х	Х	Х	1	Х	3	-	-	Χ	Α	TEV
Photographic Solutions	-	-	-	-	Х	1	1	1	Χ	Х	TVNB
Phthalic Anhydride	-	2	2	1	2	1	1	1	Χ	Х	TEV
Picric Acid	1	Х	Х	2	Х	Х	2	2	Χ	-	TEVNB
Plating Solutions											
Brass Plating Solution	-	-	-	1	-	-	-	2	Χ	Α	TEVNB
Cadmium Plating Solution	-	-	-	1	-	-	-	2	Χ	Α	TEVNB
Chrome 40% Plating Solution	Х	2	2	1	Х	Х	2	2	Χ	Α	TEVN
Copper (Cyanide) Plating Solution	-	-	-	1	-	-	-	-	X	Α	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 Zinc Plating Solution	-	-	-	1 1	-	-	-	3	X	A	TEVNB TEVNB
Potassium	-	-	-		-	-	-	-		А	TEVIND
Potassium Acetate	Х	Х	Х	-	2				Α	Α	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	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	Α	Α	TEVNB
Propane	1	1	1	2	2	1	2	2	X	X	TVB
Propylene Gylcol	2	2	2	2	2	2	2	2	Α	Α	TVNB
Propylene Oxide (90%)	-	-	-	-	-	-	1	1	Χ	Х	TE
Pyridine	2	2	2	-	2	2	2	2	Α	Х	T
Pyrogallic Acid	2	2	2	2	2	2	2	2	Х	Х	TVNB
Silver Nitrate	Х	Х	Х	-	Х	Х	2	1	Х	Α	TEVNB
Soap Solutions	2	2	2	l 1	2	2	2	2	Α	Α	TEVNB

P		Mat	terial S	Selecti	on						
AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylene	Seal Material
Sodium		0			V	0		0	^	Λ	TEN
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 Sodium Bisulfite	X	2	2 X	2	2 X	-	-	-	A A	A	TEVNB TEVNB
Sodium Bisulfate Sodium Bisulfate Sodium Bisulfite Sodium Borate Sodium Parhorate (10%)	2	2	2	2	3	2	2	2	A	A	TEVNB
Sodium Bisulfate Sodium Bisulfite Sodium Borate 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	-	-	Α	Α	TEVNB
Sodium Dichromate	2	Х	Х	1	2	-	2	2	Χ	Α	TE
Sodium Hydroxide (70%)	X	Х	Х	1	3	1	2	2	Χ	Α	TENB
Sodium Hydroxide (50%)	X	Х	3	1	3	1	1	-	Χ	Α	TENB
Sodium Hydroxide (30%)	X	2	3	2	2	1	1	1	Х	A	TENB
Sodium Chloride (30%)	X	2	2	2	2	1	-	-	X	A	TEVNB
Sodium Hypochlorite Sodium Metaphosphate	X	X	X	-	X	X	-	2	X	A X	TEV TEVNB
Sodium Netaphosphate Sodium Nitrate (40%)	1	2	2	-	X 2	2	2	1	X 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	Α	Α	TEVNB
Sodium Sulfate	-	2	2	2	2	-	-	1	Α	Α	TEVNB
Sodium Sulfide (50%)	X	Х	Х	2	2	2	-	2	Χ	Α	TEVNB
Sodium Thiosulphate	2	X	X	2	X	2	2	2	A	A	TEVNB
Stannic Chloride	X	X	X	-	X	Х	X	X	X	A	TEVNB
Stannous Chloride Steam	-	-	-	2	X -	-	X -	-	X	X -	TEVNB -
Stearic Acid	2	3	2	1	3	3	2	1	A	Α	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	Α	Α	TEVNB
Sugar Liquors (Beet)	1	2	1	-	2	1	1	1	Α	Α	TEVNB
Sulfate Liquors	2	X	X	2	3	2	-	2	X	Α	TVNB
Sulfite Liquors	X	X -	- X	1	X	X	2	2	X	X	TVNB
Sulfur Chloride Sulfur Dioxide (Dry)	2	2	2	2	1	2	-	2	X	A	TV TE
Sulfur Trioxide	2	2	X	2	2	2	-	2	X	X	TEV
Sulfuric Acid (TO 10%)	X	2	X	1	X	X	Х	X	X	A	TEVNB
Sulfuric Acid (100%)	X	X	X	1	2	Х	-	-	X	X	TV
Sulfurous Acid	2	2	Х	-	X	X	Х	-	Χ	Α	TV
Tannic Acid	X	-	X	-	X	2	2	2	X	Α	TEVNB
Tanning Liquors	1	-	2	1	-	-	1	1	X	A	TVNB
Tartaric Acid Titanium Tetrachloride	- X	- X	2 X	2	2	2	1 -	2	A X	A X	TVNB 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	Х	Α	TEVNB
Trichloroethylene	1	-	2	1	2	-	-	-	Α	Х	TV
Triethanolamine	2	Х	2	2	2	2	2	2	Α	Х	TEVN
Triethylamine	-   V	-	-	-	-	2	2	2	A	X	TVB
Trisodium Phosphate (10%) Turpentine	X 2	2 X	2	1 2	2	<u>2</u> 1	1	1	A X	A X	TVNB TVB
Urea (50%)	2	-	2	_	2	2	2	2	A	A	TEVNB
Urine	-	-	-	-	2	-	1	1	X	A	TEVNB
Vinegar	X	Х	2	2	2	2	2	2	Х	Α	TEVN
Water Acid (Mine)	X	Х	Х	1	Х	-	-	-	Χ	Α	TEVNB
Water (Distilled)	X	2	2	1	X	X	2	2	Α	Α	TEVNB
Water (Sea)	2	2	2	1	X	2	2	2	A	A	TEVNB
Whiskey White Liquor (Pulp)	X 2	2	2 X	1 2	2 X	2 X	2	2	X	A	TEVNB TEVNB
Wine 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	سترز								, ,		
Zinc Chloride	Х	Χ	Х	2	Х	-	Х	2	Α	Α	TEVNB
Zinc Nitrate	-	-	-	-	-	-	2	2	Х	Α	TEVNB
Zinc Sulfate (50%)	X	2	2	2	X	2	1	1	Х	A	TEVNB
	Rating	s giver	are ba	sed at	70°F (2	21°C).					



# Fraction - Decimal Conversion Chart

		Inches		ii Convers	sion Chart	lmahaa	M:III:mantana
	1	<u>Inches</u>	<u>Millimeters</u>	1	33	<u>Inches</u>	<u>Millimeters</u>
	<u>1</u> 64	<b>015625</b>	.3969	47	<b>33 64</b>	515625	13.0969
$\begin{pmatrix} \frac{1}{32} \end{pmatrix}$		−.03125	.7938	$\left(\frac{17}{32}\right)$		.53125	13.4938
	<u>3</u> 64	046875	1.1906		35 64	.546875	13.8907 🗖 🖔
( <u>1</u> )—		−.0625	1.5875	<u>9</u> 16		.5625	<b>13.8907</b> Technic Safety
	<u>5</u> 64	078125	1.9844		<b>37 64</b>	.578125	14.6844 <u>\( \overline{\Omega}{2} \) ∞</u>
$\begin{pmatrix} \underline{3} \\ 32 \end{pmatrix}$		09375	2.3813	<u>19</u> 32		.59375	15.0813
	<u>7</u>	109375	2.7781		<b>39 64</b>	.609375	15.4782
$\left(\frac{1}{8}\right)$		−.125	3.1750	<u>5</u> 8		.625	15.8751
	<u>9</u> 64	140625	3.5719		<u>41</u> 64	.640625	16.2719
<u>5</u> 32		−.15625	3.9688	<u>21</u> 32		.65625	16.6688
	<u>11</u> 64	171875	4.3656		<b>43 64</b>	.671875	17.0657
<u>3</u> 16		−.1875	4.7625	$\left(\begin{array}{c} \frac{11}{16} \end{array}\right)$		.6875	17.4626
	13 64	203125	5.1594		45 64	.703125	17.8594
$\begin{pmatrix} \frac{7}{32} \end{pmatrix}$		21875	5.5563	<u>23</u> 32		.71875	18.2563
	15 64	234375	5.9531		<b>47 64</b>	.734375	18.6532
$\left(\frac{1}{4}\right)$		<b>25</b> 0	6.3500	$\left(\begin{array}{c} 3\\4 \end{array}\right)$		.750	19.0501
	17 64	.265625	6.7469		<u>49</u> 64	.765625	19.4470
<u>9</u> 32		28125	7.1438	<u>25</u> 32		.78125	19.8438
	19 64	296875	7.5406		<u>51</u> 64	.796875	20.2407
<u>5</u> 16		−.3125	7.9375	13 16		.8125	20.6376
	<u>21</u> 64	328125	8.3344		53 64	.828125	21.0345
<u>11</u> 32		34375	8.7313	<u>27</u> 32		.84375	21.4313
	<u>23</u> 64	359375	9.1282		55 64	.859375	21.8282
( <u>3</u> 8		−.375	9.5250	$\left( \frac{7}{8} \right)$		.875	22.2251
	<u>25</u> 64	390625	9.9219		<u>57</u> 64	.890625	22.6220
<u>13</u> 32		40625	10.3188	<u>29</u> 32		.90625	23.0188
	<u>27</u> 64	<b>421875</b>	10.7157		<u>59</u> 64	.921875	23.4157
<u>7</u>		4375	11.1125	1 <u>5</u> 16		.9375	23.8126
	<u>29</u> 64	453125	11.5094		<b>61 64</b>	.953125	24.2095
<u>15</u> 32		46875	11.9063	31 32		.96875	24.6063
	31 64	484375	12.3032		63 64	.984375	25.0032
$\left(\frac{1}{2}\right)$		500	12.7001	1 (1)—		1.000	25.4001

# 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.

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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

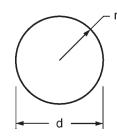
Millimeters x .039370 = Inches
Meters x 39.370 = Inches
Meters x 3.2808 = Feet
Meters x 1.09361 = Yards
Kilometers x 3,280.8 = Feet
Kilometers x .62137 = Statute Mile
Kilometers x .53959 = Nautical Miles

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

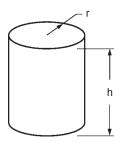
# Circumference of a Circle



Circumference =  $2\pi r = \pi d = 3.14159 d$ 

Area = 
$$\pi r^2 = \pi \frac{d^2}{4} = .78539d^2$$

# Right Cylinder



r = radius
h = length

Volume =  $\pi r^2 h$ 

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	°F
-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	Ç/ F	°F
5.0	41	105.8
5.6	42	107.6
6.1	43	109.4
6.7	44	111.2
.72	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
26.7 27.2	81	177.8
27.0	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	190.4 192.2
31.7	89 90	192.2
32.2	90	194.0
ა∠.ŏ	91	195.8

°C	å Ĉ	°F
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)

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•	Degrees Ce	lsius = 5/9 (De	grees F - 32)						
	Tempe	erature	Lbs. per	Tempe	erature	Lbs. per	Tempe	erature	Lbs. per
	°F	°C	Sq. Inch	°F	°C	Sq. Inch	°F	°C	Sq. Inch
=	212	100.0	0.0	286	141.1	39.4	336	168.9	97.1
Technica	214	101.1	0.6	287	141.7	40.3	337	169.4	
· <u>E</u> —	216	102.2	1.2	288	142.2	41.1	338	170.0	+
<u>_</u> _	218	103.3	1.8	289	142.8	42.0	339	170.6	<u> </u>
. <del>о</del> —	220	104.4	2.5	290	143.3	42.9	340	171.1	<del>.                                      </del>
<b>—</b> —	222	105.6	3.2	291	143.9	43.8	341	171.7	
	224	106.7	3.9	292	144.4	44.7	342	172.2	
_	226	100.7	4.6	293	145.0	45.6	343	172.8	
_	228	107.8	5.3	294	145.6	46.5	344	173.3	
	230	110.0	6.1	295	146.1	47.5	345	173.9	+
_	232	111.1	6.9	296	146.7	48.4	346	173.9	-
_	234	112.2		290	140.7		347	-	
	236	<del> </del>	7.7	297		49.4		175.0 175.6	<del>-</del>
-		113.3	8.5		147.8	50.3	348		
_	238	114.4	9.4	299	148.3	51.3	349	176.1	
	240	115.6	10.3	300	148.9	52.3	350	176.7	0.4       98.7         0.0       100.2         0.6       101.8         1.1       103.3         1.7       105.0         2.2       106.5         2.8       108.2         3.3       109.8         3.9       111.5         4.4       113.1         5.0       114.8         5.6       116.5         5.1       118.2         5.7       119.9         7.8       123.5         3.9       127.1         0.0       130.8         1.1       134.5         2.2       138.3         3.3       142.3         4.4       146.2         5.6       150.3         5.7       154.4         7.8       158.7         3.9       163.0         0.0       167.4         1.1       171.9         2.2       176.4         3.3       181.1         4.4       185.8         5.6       190.6         3.7       195.6         7.8       200.6         3.9       205.7         0.0
_	242	116.7	11.2	301	149.4	53.4	352	177.8	
_	244	117.8	12.1	302	150.0	54.4	354	178.9	
	246	118.9	13.1	303	150.6	55.4	356	180.0	
	248	120.0	14.1	304	151.1	56.4	358	181.1	
_	250	121.1	15.1	305	151.7	57.5	360	182.2	
_	252	122.2	16.2	306	152.2	58.6	362	183.3	+
	254	123.3	17.3	307	152.8	59.7	364	184.4	
	256	124.4	18.4	308	153.3	60.7	366	185.6	
	258	125.6	19.6	309	153.9	61.9	368	186.7	
	260	126.7	20.7	310	154.4	63.0	370	187.8	
	261	127.2	21.4	311	155.0	64.2	372	188.9	
_	262	127.8	22.0	312	155.6	65.3	374	190.0	
	263	128.3	22.6	313	156.1	66.5	376	191.1	
	264	128.9	23.2	314	156.7	67.6	378	192.2	<del>.                                      </del>
	265	129.4	23.9	315	157.2	68.8	380	193.3	
	266	130.0	24.5	316	157.8	70.0	382	194.4	
	267	130.6	25.2	317	158.3	71.3	384	195.6	
	268	131.1	25.8	318	158.9	72.5	386	196.7	+
	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.

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

<u>}</u> ∞

P

# P

# 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:

Velocity	Pipe Diameter in Inches, 10' long						
Ft / Sec	1	2	4	6	10		
<u>7</u> 1	.0004	.0002	.0001	.00007	.00004		
2	.0016	.0008	.0004	.00030	.00016		
5	.0100	.0050	.0025	.00170	.0010		
<b>5</b> 10	.0400	.0200	.0100	.00670	.0040		
<b>1</b> 5	.0900	.0450	.0225	.01500	.0090		
20	.1600	0800	.0400	.02700	.0160		
25	.2500	.1250	.0625	.04170	.0250		
30	.3600	.1800	.0900	.06000	.0360		
	Ft / Sec 1 2 5 10 15 20 25	Ft / Sec 1  1 .0004  2 .0016  5 .0100  10 .0400  15 .0900  20 .1600  25 .2500	Ft / Sec 1 2  1 .0004 .0002 2 .0016 .0008 5 .0100 .0050 10 .0400 .0200 15 .0900 .0450 20 .1600 .0080 25 .2500 .1250	Ft / Sec 1 2 4  1 .0004 .0002 .0001 2 .00016 .0008 .0004 5 .0100 .0050 .0025 10 .0400 .0200 .0100 15 .0900 .0450 .0225 20 .1600 0080 .0400 25 .2500 .1250 .0625	Ft / Sec		

$$V = \sqrt{\frac{25,000 \text{ DP}}{L}}$$

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

= cross section area of pipe in square feet

CFM = 60VA

# 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.

Initial Pressure Final Pressure = Final Volume Initial Volume

# Air Supply Requirements (operating pressure: 90 PSI)

Tool	Class	Typical Air Consumption (CEM)	Hose Size (inches)			
Tool	Class	Typical Air Consumption (CFM)	0 - 10 ft.	10 - 50 ft.	50 - 200 ft.	
	25 lb.	45	1/2"	1/2"	3/4"	
Daving brookers	35 lb.	50	1/2"	3/4"	3/4"	
Paving breakers	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 drilla	8 lb.	20	3/8"	3/8"	1/2"	
Hand drills	15 lb.	32	3/8"	1/2"	1/2"	
Dook (sinker) drille	45 lb.	105	3/4"	3/4"	1"	
Rock (sinker) drills	55 lb.	130	3/4"	1"	1"	
Tomporo	5" butt	20	3/8"	1/2"	1/2"	
Tampers	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"	
VIDIAIOIS	3"	60	1"	1"	10 - 50 ft. 50 - 200 ft.  1/2" 3/4" 3/4" 3/4" 3/4" 1" 1" 1/2" 3/4" 1" 1/2" 1/2" 1/2" 3/4" 1" 1" 1" 1/2" 3/4" 3/4" 1" 1" 1" 1/2" 3/4" 3/4" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1"	
Chipping hammers		25	3/8"	1/2"	1/2"	
	3/8" sq. dr.	10	5/16"	3/8"	3/8"	
Impact wronghos	1/2"	15	5/16"	3/8"	1/2"	
Impact wrenches	3/4"	25	3/8"	1/2"		
	1"	50	1/2"	3/4"	3/4"	
Drills	1/4" - 1/2"	22	3/8"	3/8"	1/2"	
1	die / burr	20	3/8"	3/8"	1/2"	
Grinders	small angle	20	3/8"	3/8"	1/2"	
	3 HP vertical	75	1/2"	3/4"	1"	

# $\supset$

# CFM vs PSI for Nozzles

- PSI = pounds/square inch
- CFM = cubic feet/minute

Gauge			CFM Free	e Air Flow @ N	lozzle Diamete	er (inches)			
PSI	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"	ᇎ
5	.06"	.24"	.5"	1.0"	2.2"	3.9"	8.7"	15.4"	<u>റ്</u>
10	.08"	.34"	.8"	1.4"	3.1"	5.4"	12.3"	21.8"	echni
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"	Technical
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"	

# Air Receiver Capacities

Tank	Tank	Gau	ge Pressur	e on Tank	(PSI)
Size	Size	0	100	150	200
(inches)	(gallons)	Cı	ubic Feet T	ank Capac	ity
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.

Tank Gallons =  $\frac{\text{Tank Height x (Tank Radius)}^2}{73.53}$ 

Height and Radius are in inches

P

# P

# Air Hose Friction

- PSI = pressure in pounds/square inch
- CFM = air flow in cubic feet/minute

Safety & Technical

			Gauge Pressure	- Pounds/sq incl	h
Hose Size (inches)	CFM thru 50' Hose	50	70	90	110
(mones)	30 11036		PSI Loss Over	50' Hose Length	
	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
1/2"	60	+	20.0	14.8	12.0
/2	70	+	28.4	22.0	17.6
	80	+	+	30.5	24.6
	90	+	+	41.0	33.3
	10	+	+	+	44.5
	110	+	+	+	+
	20	04	.2	.2	.1
	30	.08	.5	.4	.3
	40	1.5	.9	.7	.3 .5 .9 1.3
	50	2.4	1.5	1.1	.9
	60	3.5	2.3	1.6	1.3
3/11	70	4.4	3.2	2.3	1.8
3/4"	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
	20	.1	0	0	0
	30	.2	.1	.1	.1
	40	.3	.2	.2	.2
	50	.5	.2 .4 .5	.3	.2 .2 .3
	60	.8	.5	.4	.3
1"	70	1.1	.7	.6	.4
1"	80	1.5	1.0	.7	.4 .6 .7
	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

<sup>+</sup> 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 ½", ¼", ½", and ½" pipe sizes; and a pressure drop of 5% of the applied pressure per 100 feet of pipe for ¾", 1", 1¼", 2", 2½", 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					Nominal	Standard I	Pipe Size					Te
Pressure PSI	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1¼"	1½"	2"	2½"	3"	chn
5	0.5	1.2	2.7	4.9	6.6	13	27	40	80	135	240	-ica
10	0.8	1.7	3.9	7.7	11.0	21	44	64	125	200	370	<u>a</u>
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	

#### Suggested Pipe Size for Compressed Air Flow at 100 PSI Length of Run, Feet

SCFM Air Flow	25	50	75	100	150	200	300	500	1000	Compressor 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	11/4	11/4	5
30	3/4	3/4	1	1	1	1	11/4	11/4	11/4	7½
40	3/4	1	1	1	11/4	1	11/4	1½	1½	10
60	1	1	11/4	11/4	11/4	11/4	1½	1½	2	15
80	1	11/4	11/4	11/4	1½	11/4	1½	2	2	20
100	11/4	11/4	1½	1½	1½	1½	2	2	21/2	25
120	11/4	1½	1½	1½	2	1½	2	2½	21/2	30
160	11/4	1½	1½	2	2	1½	2½	2½	3	40
200	1½	2	2	2	2	2	2½	3	3	50
240	1½	2	2	2	2½	2	2½	3	3	60
300	2	2	2	2½	2½	2	3	3	3½	75
400	2	2½	2½	2½	3	2½	3	3½	4	100
500	2	2½	2½	3	3	2½	3½	3½	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.

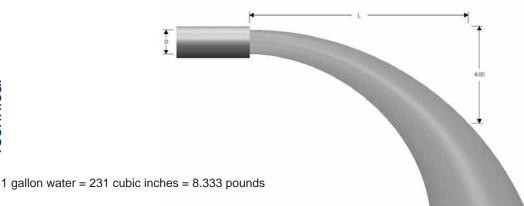
To make a realistic estimate of air flow volume, the far right column of the chart showing compressor HP may be used. On steady pumping, a compressor will produce a minimum of 4 SCFM air flow for each 1 HP of capacity. This is a conservative figure, as most compressors will produce 5 or 6 SCFM.

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

P

## Safety & Technical

#### Water Constants and Formulas



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 =  $\frac{\text{gallons per minute x total head in feet}}{3960}$ 

Gallons per minute through a pipe GPM = .0408 x pipe diameter inches<sup>2</sup> x feet/minute water velocity

Weight of water in a pipe Pounds water = pipe length feet x pipe diameter inches <sup>2</sup> x .34

L	Gallons per Minute Discharge for a Given										
Distance	Nominal Pipe Diameter D (inches)										
(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

DCI et		Nominal Hose ID Diameters - Inches										
PSI at												
Hose Inlet	1"	11/4"	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				

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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.

## Safe

## 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

937

Pipe Threads

Pipe threads are either tapered or straight (parallel). The two styles may or may not be compatible. Refer to thread information

## P

## atety & echnical



chart on page 939.

## 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

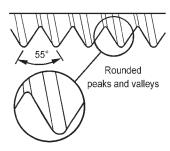
#### Straight threads

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)

BSPT/BSPP threads



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.

NPT thread	S
X 11 \( \times \)	Flattened s and valleys

Nominal	Thread	ds per inch
Pipe Size	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:

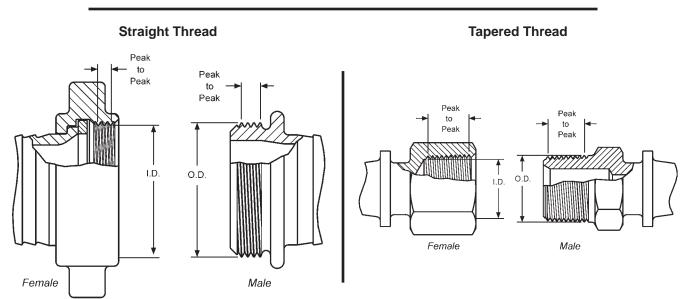
- 1. Determine the number of threads per inch by measuring the distance from peak of thread to peak of thread across the largest number of whole threads. Then divide the number of threads by the measurement (this will provide the TPI).
- 2. Check to see if the thread is straight or tapered.
  - a) Straight 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.







Safety & Technical

#### Abbreviation System Name Compatibility Seal Method male BSPP with female BSPP washer **BSPP** female BSPP with male BSPP British Standard Pipe Parallel washer female BSPP with male BSPT washer male BSPTr with female BSPTr thread male BSPTr with female BSPP washer **BSPTr** British Standard Pipe Taper female BSPTr with male BSPTr female BSPTr not compatible with male thread **BSPP** American Standard Fire Hose 1" male NH (NST) with 1" female NH (NST) washer Thread (1" National Hose Thread 1" female NH (NST) with 1" male NH (NST) washer CHT is Chemical Hose Thread, also 1" thread is used on both 3/4" hose & 1" not compatible known as Booster Hose Thread) hose male GHT with female GHT washer **GHT** Garden Hose Thread female GHT with male GHT washer thread is same for all size hose not compatible generic name for Straight Pipe Thread **IPS** Iron Pipe Straight Thread washer see NPSH for compatibility **IPT** more information required Iron Pipe Thread generic name for All Pipe Thread JIC Joint Industrial Committee used with other mating JIC threads mechanical male NH (NST) with female NH (NST) washer female NH (NST) with male NH (NST) American Standard Fire Hose NH Coupling Thread (National Hose thread pitch and diameters of fire threads or thread also known as National may vary according to local and municipal washer **NST** Standard Thread) regulations not compatible with other systems male NPT with female NPT thread male NPT with female NPTF thread male NPT with female NPSM washer American Standard Taper Pipe male NPT with female NPSH washer **NPT** Thread female NPT with male NPT thread (National Pipe Tapered) female NPT with male NPTF female NPT not compatible with male thread NPSM or male NPSH male NPTF with female NPTF thread male NPTF with female NPT thread male NPTF with female NPSM washer male NPTF with female NPSH washer American Standard Taper Pipe female NPTF with male NPTF thread **NPTF** Fuel Dryseal Thread (National female NPTF with male NPT thread Pipe Tapered Dryseal) female NPTF with male NPSM or NPSH NPTF with NPTF threads do not require not compatible sealant for the initial use, after that, sealant is required male NPSH with female NPSH washer female NPSH with male NPSH washer American Standard Straight Pipe NPSH female NPSH with male NPT for Hose Couplings (National Pipe washer Straight Hose) female NPSH with male NPTF washer female NPSH with male NPSM washer male NPSM with female NPSM Seal can be either male NPSM with female NPSH American Standard Straight mechanical or washer. **NPSM** Mechanical Joints (National Pipe female NPSM with male NPSM Mating fittings must be of Straight Mechanical) female NPSM with male NPT same type. female NPSM with male NPTF SIPT Straight Iron Pipe Thread generic name for Straight Pipe Thread washer TIPT Tapered Iron Pipe Thread generic name for Tapered Pipe Thread thread NYFD **NYFD** Fire Department straight thread used in New York City washer Chicago Chicago Fire Department straight thread used in Chicago washer



#### **Thread Information**

	_

## 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			Chr
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			lical
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						

## Fittings Size Chart

#### **Male NPT Thread Sizes**

2 3/4 1/2 3/8 1/8

1½ 1¼ 1 1/4

#### **Male NST Thread Sizes**

21/2

11/2

P



#### **Thread Dimensions**

#### **Nominal Dimensions of Standard Threads**

- ODM = Outside Diameter of the male
- IDF = Inside Diameter of the female
- TPI = Threads Per Inch

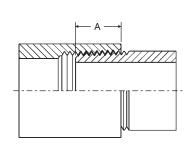
• GHT (¾") -- 1.0625 ODM, 11-½ TPI

Female NPT (Tapered Pipe) thread is not available on hose swivel nuts

lech				ered eads						Straight <sup>-</sup>	Threa	ds				
	Size	Pipe OD	NPT	BSPTr		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)
	1/8"	.405	27.0	28				27.0	0.397	0.358					0.383	0.337
	1/4"	.540	18.0	19				18.0	0.526	0.468					0.516	0.450
	3/8"	.675	18.0	19				18.0	0.662	0.603					0.656	0.588
	1/2"	.840	14.0	14	14.0	0.8248	0.7395	14.0	0.823	0.747					0.825	0.733
	3/4"	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
	21/2"	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
	41/2"										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"

## Р

#### Thread Sealing Tips

#### **Thread Sealing Tips**

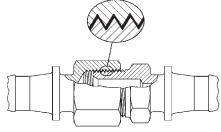
Sealing NPT threads can be an exasperating experience if certain techniques are not followed. The following tips will help alleviate many common problems in thread sealing:

- 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.
- 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.
- When connecting parts made of dissimilar metals (i.e. steel and aluminum), standard tape or paste sealant performs satisfactory.
- For sizes 2" and below, tape or paste performs satisfactory. When using thread tape, four wraps (covering all necessary threads) is usually sufficient.
- 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!

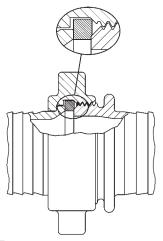
When this procedure is done, the connection becomes permanent. Extreme measures will be necessary to disconnect these components. *All other measures to seal the threads should be explored prior to use of this technique.* 

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.



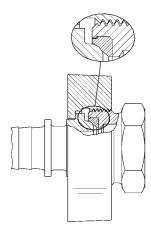
#### Thread Seal Type

- 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.



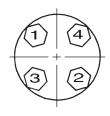




#### Flange Bolt Tightening Sequence

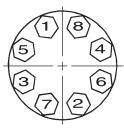
(Use appropriate gaskets and bolts)

Safety & Fechnical

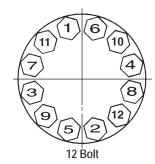


4 Bolt

See page 945 for drilling dimensions

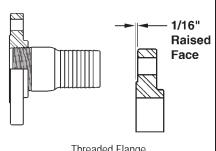


8 Bolt



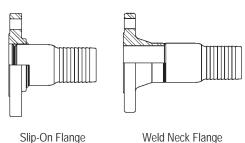
#### Flange Diagrams

#### **Threaded Applications**



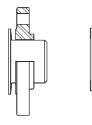
Threaded Flange with raised face

## Welded Applications

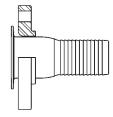


Slip-On Flange Weld Neck Flange with raised face with raised face

## Floating Applications (flange free to swivel)







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>&</sup>lt;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>&</sup>lt;sup>1</sup> listed thickness is for aluminum flanges

## P

## **ANSI Flange Dimensions**

#### 150 lb. Standard

#### 300 lb. Standard

												-
Nominal	Outside	Flange		rill Templa	te	Nominal	Outside	Flange	С	rill Templa	te	
Pipe Size	Diameter Flange	Thickness	Number Holes	Diameter Bolts	Bolt Circle	Pipe Size	Diameter Flange	Thickness	Number Holes	Diameter Bolts	Bolt Circle	_
1/2"	3-1/2"	7/16"	4	1/2"	2-3/8"	1/2"	3-3/4"	9/16"	4	1/2"	2-5/8"	Te
3/4"	3-7/8"	1/2"	4	1/2"	2-3/4"	3/4"	4-5/8"	5/8"	4	5/8"	3-1/4"	<u>č</u>
1"	4-1/4"	9/16"	4	1/2"	3-1/8"	1"	4-7/8"	11/16"	4	5/8"	3-1/2"	$\equiv$
1-1/4"	4-5/8"	5/8"	4	1/2"	3-1/2"	1-1/4"	5-1/4"	3/4"	4	5/8"	3-7/8"	<u>ਨ</u> . ਂ
1-1/2"	5"	11/16"	4	1/2"	3-7/8"	1-1/2"	6-1/8"	13/16"	4	3/4"	4-1/2"	ğ
2"	6"	3/4"	4	5/8"	4-3/4"	2"	6-1/2"	7/8"	8	5/8"	5"	
2-1/2"	7"	7/8"	4	5/8"	5-1/2"	2-1/2"	7-1/2"	1"	8	3/4"	5-7/8"	
3"	7-1/2"	15/16"	4	5/8"	6"	3"	8-1/4"	1-1/8"	8	3/4"	6-5/8"	
3-1/2"	8-1/2"	15/16"	8	5/8"	7"	3-1/2"	9"	1-3/16"	8	3/4"	7-1/4"	
4"	9"	15/16"	8	5/8"	7-1/2"	4"	10"	1-1/4"	8	3/4"	7-7/8"	
5"	10"	15/16"	8	3/4"	8-1/2"	5"	11"	1-3/8"	8	3/4"	9-1/4"	•
6"	11"	1"	8	3/4"	9-1/2"	6"	12-1/2"	1-7/16"	12	3/4"	10-5/8"	
8"	13-1/2"	1-1/8"	8	3/4"	11-3/4"	8"	15"	1-5/8"	12	7/8"	13"	
10"	16"	1-3/16"	12	3/4"	14-1/4"	10"	17-1/2"	1-7/8"	16	1"	15-1/4"	
12"	19"	1-1/4"	12	3/4"	17"	12"	20-1/2"	2"	16	1-1/8"	17-3/4"	

#### 600 lb. Standard

#### 900 lb. Standard

Nominal	Outside	Flange	Drill Template		Nominal			Drill Template			
Pipe Size	Diameter Flange	Thickness	Number Holes	Diameter Bolts	Bolt Circle	Pipe Size	Diameter Flange	Flange Thickness	Number Holes	Diameter Bolts	Bolt Circle
1/2" 3/4"	3-3/4" 4-5/8"	9/16" 5/8"	4 4	5/8" 3/4"	2-5/8" 3-1/4"	1/2" 3/4"	4-3/4" 5-1/8"	7/8" 1"	4 4	7/8" 7/8"	3-1/4" 3-1/2"
1"	4-7/8"	11/16"	4	3/4"	3-1/2"	1"	5-7/8"	1-1/8"	4	1"	4"
1-1/4" 1-1/2"	5-1/4" 6-1/8"	13/16" 7/8"	4 4	3/4" 7/8"	3-7/8" 4-1/2"	1-1/4" 1-1/2"	6-1/4" 7"	1-1/8" 1-1/4"	4 4	1" 1-1/8"	4-3/8" 4-7/8"
2"	6-1/2"	1"	8	3/4"	5"	2"	8-1/2"	1-1/2"	8	1"	6-1/2"
2-1/2"	7-1/2"	1-1/8"	8	7/8"	5-7/8"	2-1/2"	9-5/8"	1-5/8"	8	1-1/8"	7-1/2"
3"	8-1/4"	1-1/4"	8	7/8"	6-5/8"	3"	9-1/2"	1-1/2"	8	1"	7-1/2"
3-1/2"	9"	1-3/8"	8	1"	7-1/4"	3-1/2"	11-1/2"	1-3/4"	8	1-1/4"	9-1/4"
4"	10-7/5"	1-1/2"	8	1"	8-1/2"	4"	13-3/4"	2"	8	1-3/8"	11"
5"	13"	1-3/4"	8	1-1/8"	10-1/2"	6"	15"	2-3/16"	12	1-1/4"	12-1/2"
6"	14"	1-7/8"	12	1-1/8"	11-1/2"	8"	18-1/2"	2-1/2"	12	1-1/2"	15-1/2"
8"	16-1/2"	2-3/16"	12	1-1/4"	13-3/4"	10"	21-1/2"	2-3/4"	16	1-1/2"	18-1/2"
10"	20"	2-1/2"	16	1-3/8"	17"	12"	24"	3-1/8"	20	1-1/2"	21"
12"	22"	2-5/8"	20	1-3/8"	19-1/4"	'	•	•	1	•	1



## P

## Dimensions of Seamless and Welded Steel Pipe ASA-B36.10 and B36.19

Safety & Tochpical

_	Nominal	OD					Pip	e Sched	dule Wal	Thickne	ess				
_	Pipe Size	(inches)	10	20	30	Stand.	40	60	Extra Strong	80	100	120	140	160	XXX Strong
ख्र	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					
듯	3/8"	0.675	0.065			0.091	0.091		0.126	0.126					
Technica	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
	11/4"	1.660	0.109			0.140	0.140		0.191	0.191				0.250	0.382
	1½"	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
	2½"	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
	3½"	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**

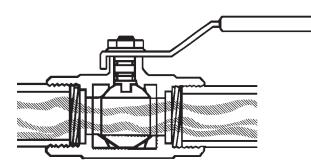
Nominal		OD						Pipe Sc	hedule	Wall Th	ickness					
Pipe Size	DN	(inches)	5S	5	10S	10	20	30	40S	40	60	80S	80	100	120	160
1/8"	6	0.405		0.035		0.049		0.057		0.068			0.095			
1/4"	8	0.540		0.049		0.065		0.073		0.088			0.119			
1/2"	15	0.840		0.065		0.083		0.095		0.109			0.147		0.170	0.188
3/4"	20	1.050		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	



## Р

#### Valve Selection Guide

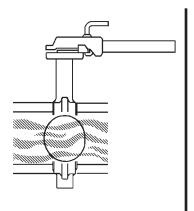
#### **Ball Valve**



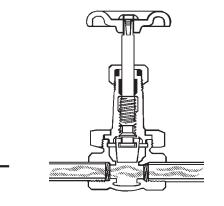


- can be used for on and off service or throttling
- when positive shut-off is necessary
- where a low valve profile is necessary
- only 90° rotation from open to fully closed (quick opening)
- Handle position is a quick indication of whether valve is open or closed.
- · full port ball valves do not resist flow

## **Butterfly Valve**



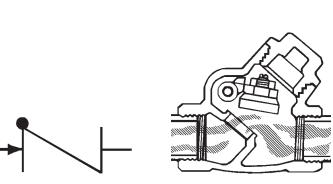




- · where positive shut-off is necessary
- primarily for fully open or fully closed applications
- may be used for throttling
- only 90° rotation from open to fully closed
- lightweight
- · easy to install
- · less costly than an iron body gate valve

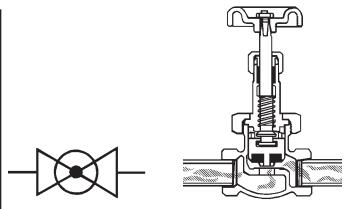
- · for fully open or fully closed service not for throttling
- for minimum line pressure drop
- · for minimum fluid entrapment in the line
- for relatively infrequent operation

#### 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

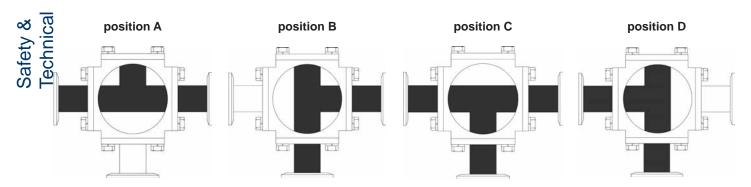


## P

## 3-Way Ball Valve Flow Options

## 'T' Pattern, Side Entry

Top view

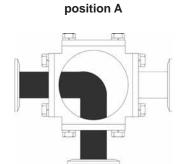


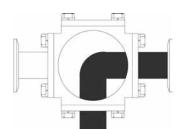
Number	Rotation	Flow Plan Options
1	90°	A, B
2	90°	B, C
3	90°	C, D
4	90°	A, D
5	180°	A, B, C
6	180°	B, C, D
7	180°	A, C, D
8	180°	A, B, D

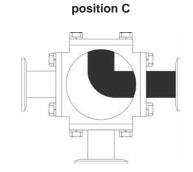
## 'L' Pattern, Side Entry

Top view

position B







Number	Rotation	Flow Plan Options
1	90°	A, B
2	180°	A, B, C



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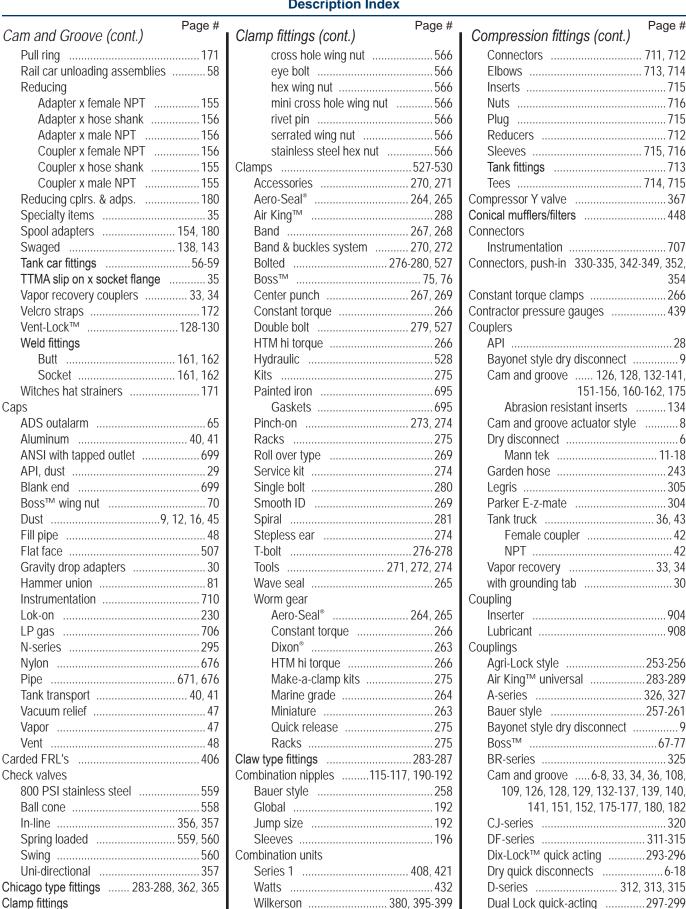
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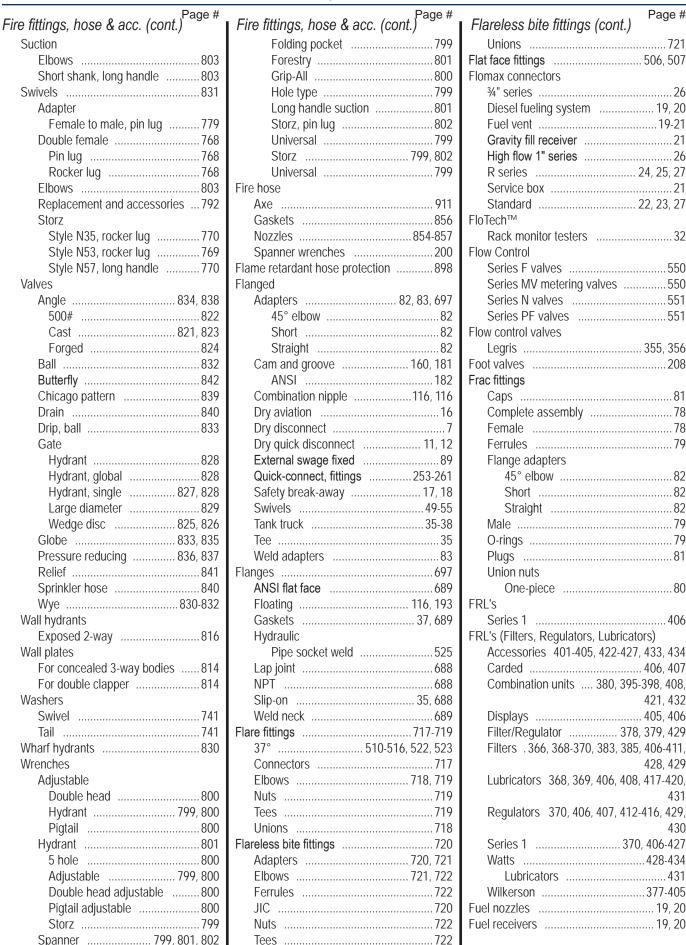




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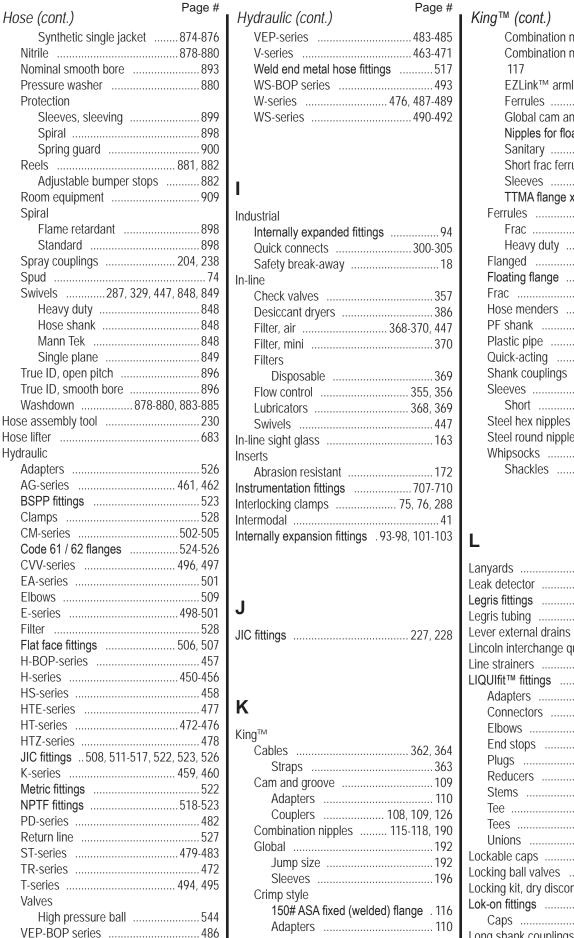
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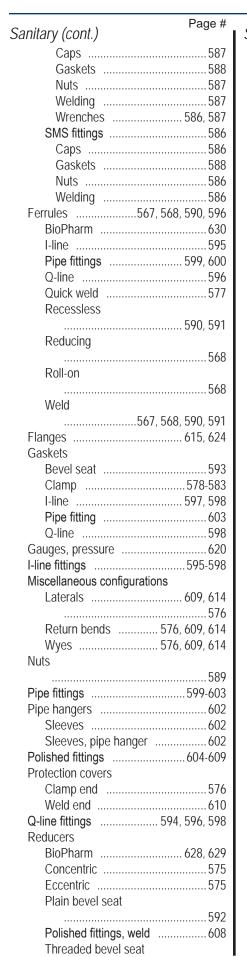
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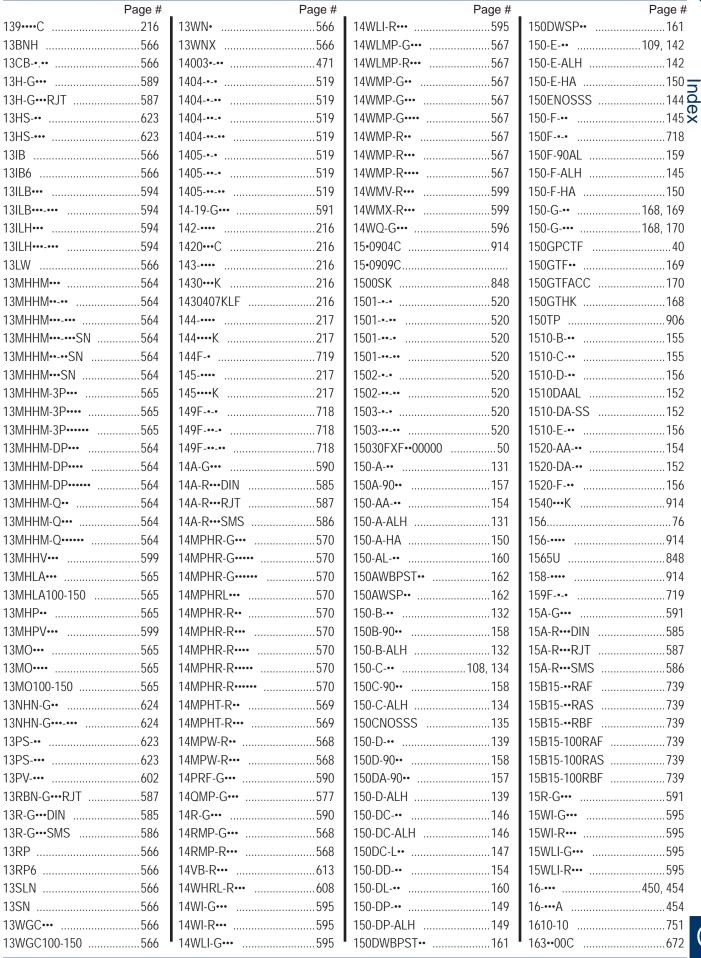
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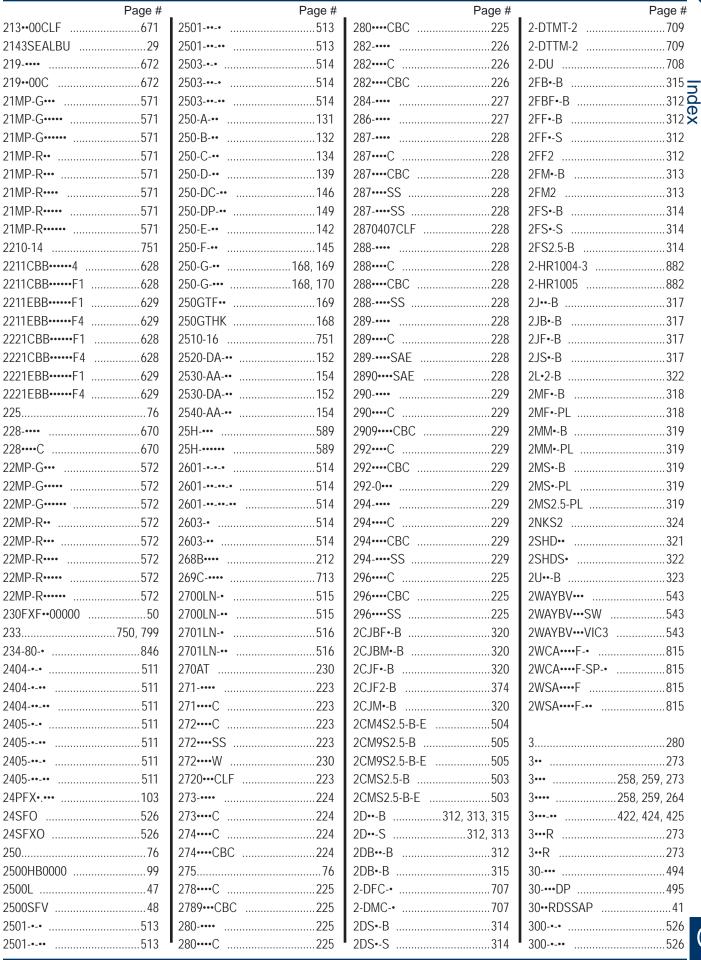
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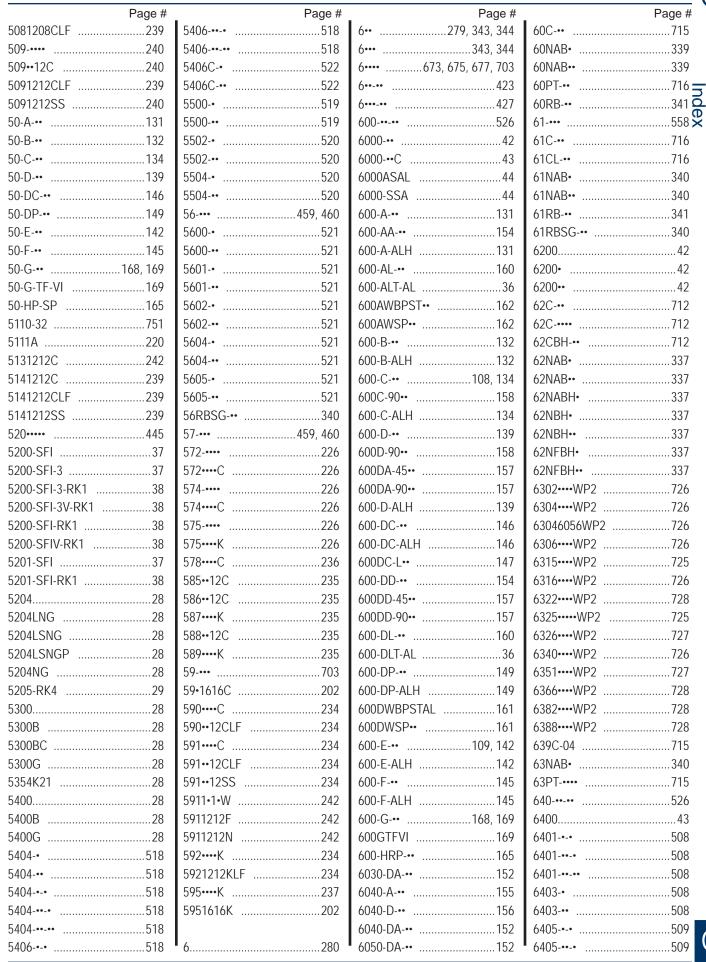
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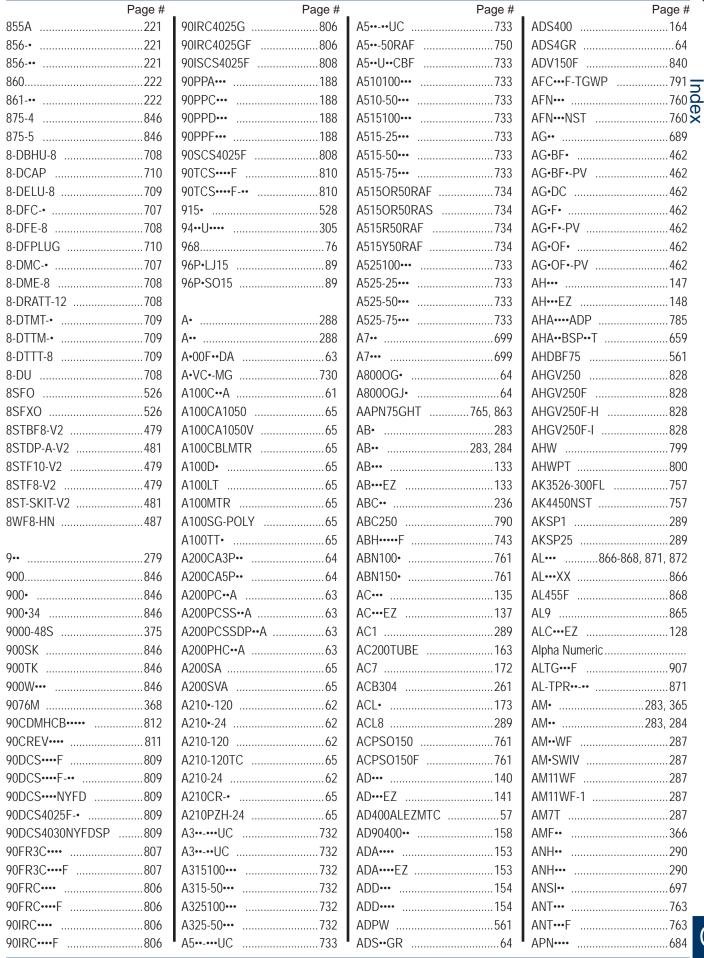


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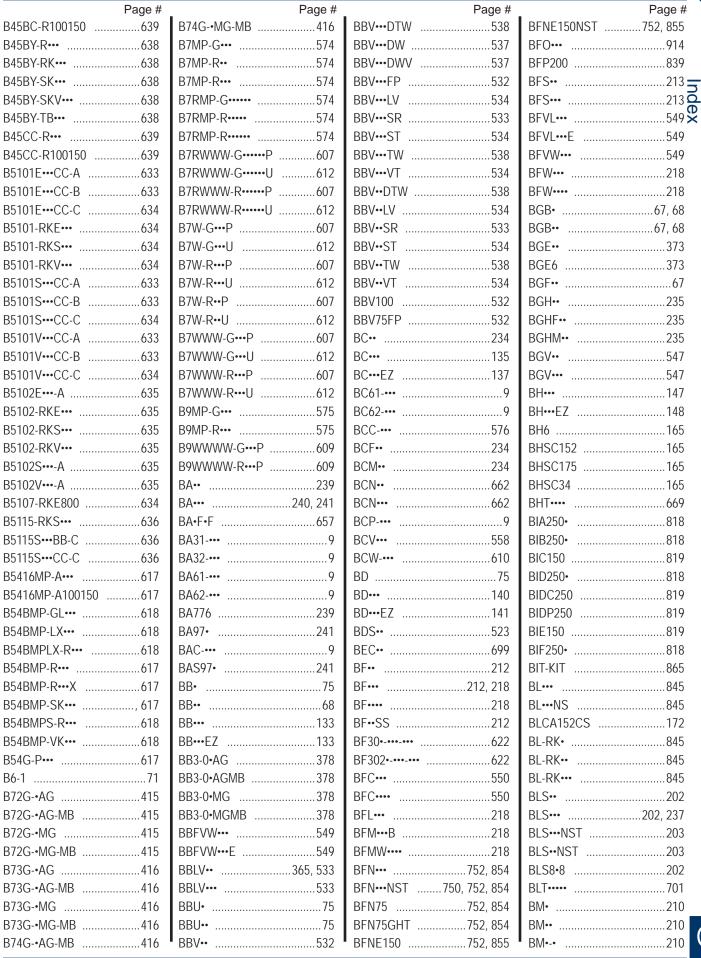


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66••X••       342       6DS•-B       314       75-G-TF-VI       169       80B••-100HCF       739         66•X•       342       6-DTMT-4       709       75-HP-SP       165       80B••-50HAF       739         6600-•       514       6-DTTT-6       709       75TH2R•••SS       446       80B••-50HCF       739         6600-•       514       6-DU       708       7600HP       881       8320605       861         6602-•       514       6-DU-4       708       7610-48       751       850       76         6602-•       514       6-DU-4       708       7660••••       356       850•••       100         66C-•••       712       7       280       7665••••       356       851•••       368         66NAB••       336       7••       279       77-•••       488       855       221			6-DME-•	708				
66·X•       342       6-DTMT-4       709       75-HP-SP       165       80B••-50HAF       739         6600-•       514       6-DTTT-6       709       75TH2R••-SS       446       80B••-50HCF       739         6600-•       514       6-DU       708       7600HP       881       8320605       861         6602-•       514       6-DU-4       708       7610-48       751       850       76         6602-•       514       7600•••       356       850•••       100         66C-•••       712       7       280       7665••••       356       851•••       368         66NAB••       336       7••       279       77-•••       488       855       221					75GTFACC	170		
6600-•       514       6-DTTT-6       709       75TH2R•••SS       446       80B••-50HCF       739         6600-•       514       6-DU       708       7600HP       881       8320605       861         6602-•       514       6-DU-4       708       7610-48       751       850       76         6602-•       514       7600•••       356       850•••       100         66C-•••       712       7       280       7665••••       356       851•••       368         66NAB••       336       7••       279       77-•••       488       855       221							80B••-100HCF .	739
6600-••       .514       6-DU       .708       7600HP       .881       8320605       .861         6602-•       .514       6-DU-4       .708       7610-48       .751       850       .76         6602-••       .514       .514       .7660••••       .356       850•••       .100         66C-•••       .712       .7       .280       .7665••••       .356       851•••       .368         66NAB••       .336       .7••       .279       .77-•••       .488       855       .221								
6602-•       514       6-DU-4       708       7610-48       751       850       76         6602-•       514       7660•••       356       850•••       100         66C-•••       712       7       280       7665•••       356       851•••       368         66NAB••       336       7••       279       77-•••       488       855       221			6-DTTT-6	709	75TH2R•••SS	446	80B••-50HCF	739
6602-••       514       7660•••       356       850•••       100         66C-•••       712       7       280       7665•••       356       851•••       368         66NAB••       336       7••       279       77-•••       488       855       221					7600HP	881	8320605	861
66C 712 7			6-DU-4	708	7610-48	751		
66NAB••								
<b>488 ™</b> 855231	N I							
	<b>4</b> 66NAB•••	336	7•••LP	881	77-••••	488	855231	299





APRD—F         937         ΑVZ50NYFD1         823         B228MP-R**         569         B2WCL-G**         0.04           AOADDOT         331         AVZ51NYC         824         B241S-G**         622         B2WCL-G**         6.04           AOADDOT*         331         AVZ51NYTD         824         B24PS-G**         623         B2WCL-R**         604           AO69DOT*         330         AVS250NYTD         822         B24PS-G**         623         B2WCL-R**         604           AO29DOTSX*         331         AVAPR**         838         B24PP-G**         622         B2WCL-R**         604           AR200075X         331         MAPR***         838         B24RPG-G**         624         B2WK G***         605           AR200074         868         AV***         838         B24RPG-G**         624         B2WK G***         605           AR200073         872         AVAPR***         838         B24RPG-G**         624         B2WK G***         605           AR200073         872         AVAPR****         821         B24RPG-G***         624         B2WK G****         605           AR20007         872         AVG250F         822         B256******         624		Page #		Page #		Page #		Page #
AOGRDOTY	APRD•••F	837						
AG8DOT-X:  330								
ACREDITY- 330 AVAPRF 331 AVAPRF 338 B24RC-G 624 B2WK.GU 605 BAVCLR-P 605 BAVCLR-P 605 BAVCLR-P 606 B2WK.GU 607 BAVAPRF 608 BAVER-G 628 BAVK.GU 607 BAVAPRF 608 BAVER-G 629 BAVAPRF 608 BAVER-G 624 B2WK.GU 601 AR3500 B71 AVFI 838 B24RC-G 624 B2WK.GU 601 AR3500 B71 AVFI 838 B24RC-G 624 B2WK.RU 601 AR3500 B71 AVFI 823 B24RPH-G 624 B2WK.RU 601 AR3500 B71 AVFI 823 B24RPH-G 624 B2WK.RU 601 AR3500 B71 AVFS 822 B25-G 624 B2WUL.RU 601 AR3500 AR5000-1 872 AR5000-1 872 AR5000-1 872 AR5000-1 872 AR5000-1 872 AVF5250 B22 B25-G 624 B2WUL.RU 614 BAVUL.RU 614 BAR BROWNIC-R 615 BAVER-G 627 B2WUL.RU 616 B2WW.RU 617 B3VW.RU 617 B3VW.RU 618 B2WW.RU 619 B3VW.RU 619 B3VW.RU 619 B3VW.RU 619 B3VW.RU 619 B3VW.RU 619 B3VW.RU 619 B3VW.RU 619 B3VW.RU 610 B3VW.RU 610 B3VW.RU 610 B3VW.RU 611 B3VW.RU 611 B3VW.RU 611 B3VW.RU 612 B3VW.RU 613 B3VW.RU 614 B3VW.RU 615 B3VW.RU 616 B3VW.RU 617 B3VW.RU 617 B3VW.RU 617 B3VW.RU 618 B3VW.RU 619 B3VW.RU 619 B3VW.RU 619 B3VW.RU 610 B3VW.RU 610 B3VW.RU 611 B3VW.RU 611 B3VW.RU 613 B3VW.GU 613 B3VW.GU 613 B3VW.GU 613 B3VW.GU 614 B3VW.RU 616 B3VW.RU 617 B3VW.RU 617 B3VW.RU 618 B3VW.RU 619 B3VW.RU 619 B3VW.RU 610 B3VW.RU 611 BXW.RU 611 BXW.RU 613 BXW.RU 614 B3VW.RU 616 B3VW.RU 617 B3VW.RU 617 B3VW.RU 618 B3VW.RU 619 B3VW.RU 610 B3VW.RU 610 B3VW.RU 610 B3VW.RU 610 B3VW.RU 610 B3VW.RU 611 BXW.RU 611 BXW.RU 612 BXW.RU 613 BXW.RU 613 BXW.RU 614 BXW.RU 615 BXW.RU 616 BXW.RU 617 BXW.RU 617 BXW.R-			AV251NYFD	824	B24HS-G•••	623		
ACPIDITS-X: 330 AVAPRF: 838 B24PV-G 602 B2WCLRU 610 ACPIDITS-X: 331 AVAPRF: 838 B24RG-G 624 B2WK-GP 605 ACP MOV72DOTS-X: 331 AVAPRF: 838 B24RG-G 624 B2WK-GP 605 AR3000 A2 868 AVF 823 B24RG-G 624 B2WK-RP 605 AR3000 A2 868 AVF 823 B24RV-G 624 B2WK-RP 605 AR3000 A2 868 AVF 823 B24RV-G 624 B2WK-RP 605 AR3000 A2 872 AVF-5-20 822 B25-G 624 B2WK-RP 601 AR5000 872 AVF-5-20 822 B25-G 624 B2WULRP 609 AR503830SSP 880 AVG-50F 822 B25-G 624 B2WULRP 609 AR503830SSP 880 AVG-50F 822 B25-G 624 B2WULRP 609 ARF03830SSP 880 AVG-50F 822 B25-G 624 B2WULRP 609 ARF03830SSP 880 AVG-50F 822 B25-G 624 B2WULRP 575 ARFP100AS 817 AVG-750 822 B25-G 624 B2WULRP 575 ARFP100AS 817 AVG-750 822 B25-G 624 B2WULRP 575 ARFP100AS 817 AVG-750 822 B25-G 624 B2WULRP 575 ARFP100AS 817 AVG-750 822 B28-AG 392 B3114MP-G 575 ARFP100AS 817 AVG-750 822 B28-AG 392 B3114MP-G 575 ARFP100AS 817 AVG-750 822 B28-AG 392 B3114MP-G 575 ARFP100AS 817 AVG-750 822 B28-AG 392 B3114MP-G 575 ARFP100AS 813 AVG-750 829 B28-AWR 392 B3114MP-G 575 ARFP100AS 813 AVG-750 829 B28AMP-R 576 B3114MP-G 575 ARFP100AS 813 AVG-750 828 B28AMP-R 576 B3114MP-G 575 B3114MP-G 572 B3114MP-G 575 B3114MP-G 576 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G 578 B3114MP-G	AQ68DOT•X•	330					B2WCL-R····U	610
ACTIDOTS							-	
QAOZDOTOTSX-         331         AWAPRF         838         B24RPG-G         6624         B2WK GU         611           AR2000-A2         868         AVF         838         B24RPH-G         6624         B2WK RU         611           AR3500         871         AVFI         823         B24RP-G         6624         B2WK RU         611           AR5000-1         872         AVF5-55         822         B25-G         6624         B2WUK RU         611           AR5000-1         872         AVF5-55         822         B25-G         6624         B2WUR RU         614           AR BROOM16         871         AVG250G         822         B25-G         6624         B2WUR RU         614           AR REP400AS         817         AVG250G         822         B28-MG         392         B3114MP-G         576           ARF REP40AS         817         AVG250G         822         B28-MG         392         B3114MP-G         575           AR SEL         AWS6         829         B28-MG         392         B3114MP-R         575           ARTEL BBLT         867         AWS6         289         B28MP-R         576 <th< td=""><td></td><td></td><td></td><td></td><td>B24PV-G•••</td><td>602</td><td>B2WCL-R••U</td><td>610</td></th<>					B24PV-G•••	602	B2WCL-R••U	610
0AO/ZPOOTS-X: 331	AQ71DOTS•X•	331					B2WK-G•••P	605
AR3000-A2         868         AVF         821, 824         824RPH-G         6.24         B2WK-R-U         611           AR3500         871         AVFI         823         B24RV-G         600         B2WK-R-U         611           AR3500         1872         AVF5 250         822         B25-G         624         B2WUL-RP         609           AR50001         871         AVG250G         822         B25-G         624         B2WUL-RP         609           ARF2000AS         817         AVG250G         822         B25-G         624         B2WUN-RU         614           ARFED00AS         817         AVG250G         822         B28-AG         392         B3114MP-G         575           ARFEL100         882         AVIV200         699         B28-MG         392         B3114MP-G         575           ARTEL18A         867         AWR4         289         B28-MG         392         B311MP-G         592           ARTEL BELT         867         AWS6         289         B28AMP-R         576         B31IP-G         592           ARSB	<b>O</b> AQ72DOTS•X•	331	AVAPRF•••	838			B2WK-G•••U	611
AR3500         871         AVFI         823         B24RV-G         602         B2WK-R-U         611           AR50001         872         AVF5-550         822         B25-G         624         B2WUL-RU         614           AR503830SSP         80         AVG250F         822         B25-G         624         B2WUL-RU         614           AR-BRO0M16         871         AVG250G         822         B25-G         624         B2WUMP-R         576           ARFEL100         882         AVW         209         B28-AGMB         392         B3114MP-R         575           ARSMSA-F         780         AWR14         289         B28-MGMB         392         B3114MP-R         575           ARTELIBELT         867         AWR4         289         B28-MGBB         392         B3114MP-R         575           ASB							B2WK-R•••P	605
AR5000-1         872         AVF5-250         822         B25-G         624         B2WUL-RP         609           AR80830SSP         880         AVG250F         822         B25-G         624         B2WUL-RP         614           AR BROOM16         817         AVG250G         822         B25-G         624         B2WUMP-R         576           AR FEL100         882         AVW200         699         B28MG         392         B3114MP-G         575           ARSMSA-F         780         AWR14         289         B28MG         392         B3114MP-R         575           ARTEL BELT         867         AWR         289         B28-MGB         392         B3114MP-R         575           ASB         290         AWSG         289         B28-MGB         392         B3114MP-G         592           ASB         290         AWSG         289         B28MR-R         576         B31W-GP         608           ASB         290         AWSG-W         858         B28WR-R-P         609         B31WMP-G         604           ASHV1015F         340         B         68,71,75         B28WR-R-P         609	AR3000-A2	868	AVF•••	821, 824	B24RPH-G***	624	B2WK-R•••U	611
AR503830SSP         880         AVG250F         822         B25-G	AR3500	871	AVF•••-I	823	B24RV-G•••	602	_	
AR-BROOM16         871         AVG250G         822         B25-G         624         B2WIMP-R·-         576           ARR-PETADOAS         817         AVG7250         922         B28-AG         392         B3114MP-R·         575           ARR-REEL100         882         AVN200         699         B28-AGM         392         B3114MP-R·         575           ARSMSAF         780         AWR14         289         B28-MG         392         B3114MP-R·         575           ARTEL-BELT         867         AWS6         289         B28-MGM         392         B3114MP-R·         575           ASB         290         AWSG         858         B28BMP-R·         576         B31TW-G·         608           ASB         290         AWSG-W         858         B28WR-R·         609         B31W-G·U         613           ASBDV         833         AWSG-W         858         B28WR-R·U         614         B31WMP-R·         608           ASBW         290         B38         B38WR-R·-U         614         B31WMP-R·         668           ASF-BW         448         B·-         66,71,75,76         B2CW-G·         604         B31W-R·			AVF5-250	822	B25-G•••••	624	B2WUL-R•••P	609
AREP400AS         817         AVGF250         822         B28AG         392         B3114MP-G·····         575           AR REEL100         882         AVNI200         699         B28MGMB         392         B3114MP-G·····         575           ARSMSA·F         780         AWR14         289         B28MGMB         392         B3114MP-R····         575           ARTEL1BA         867         AWR4         289         B28-MGMB         392         B3115F-G·····         592           ASB         290         AWSG         289         B28AMP-R···         576         B31IV-G····-P         608           ASB         290         AWSG-TG         861         B28WAR···-P         609         B31W-G····-P         608           ASC·         290         AWSG-W         858         B28W-R···P         609         B31W-G····-P         668           ASC·         290         AST-BW         448         B··         68,71,75         6         282M-R···         609         B31W-G···-         568           ASP-BV         448         B··         68,71,75         6         282M-R··         601         B31W-R··<-	AR503830SSP	880	AVG250F	822	B25-G•••••	624	B2WUL-R•••U	614
AR-REEL100         882         AVN·····200         699         B28···AGMB         392         B3114MP-R·····         575           ARSMSA···F         780         AWR14         289         B28···MGMB         392         B3114MP-R·····         575           ARTEL18A         867         AWR4         289         B28···MGMB         392         B311F-G·····         592           ARSB··         290         AWSG         858         B28BMP-R···         576         B31W.G·····P         608           ASB··         290         AWSG-TG         861         B28WAR···P         609         B31W.G····P         608           ASBO··         833         AWSG-W         858         B28WR··P         609         B31WMP-G····         568           ASF-W         290         B··SC         70, 365         B26W-R···D         614         B31W-R····         568           ASF-W         448         B··SC         70, 365         B2CMP-G···         604         B31W-R····         668           ASF-W         448         B··SC         70, 365         B2CMP-G···         572         B31W-R····         613           AST-         190         B07····AG         407         B2CMP-G···         572	AR-BROOM16	871	AVG250G	822	B25-G•••••	624	B2WUMP-R•••	576
ARSMSAF ARTEL18A  867 AWR4  289 B28-MGMB  392 B3114MP-R 592 ARTEL18BLT  867 AWR4  289 B28-MGMB  392 B3115F-G 592 ARSB 592 ARSB 290 AWSG  858 B288MP-R 576 B31W-G 608 ASB 290 AWSG-TG  861 B28WA-RP  809 B31W-G 609 B31W-G 613 ASBDV- 833 AWSG-W  858 B28WA-RP  809 B31W-R 609 B31W-R 608 ASPBV  448 B 68, 71, 75 B26W-R 104 B31W-R 608 ASP-310-40 ASP-BV  448 B 68, 71, 75, 76 B26WP-G 572 B31W-R 608 ASP 575 B31W-R 608 AST 190 B07MG A07 B2CMP-R 572 B31W-R 608 ASTB 191 B07-202-GC  407 B2CMP-R 572 B31W-R 608 B31	AREP400AS	817		-			B3114MP-G•••••	575
ARTEL18A 867 AWR4 289 B28-MGMB 392 B3115F-G 592 ARTEL_BELT 867 AWS6 289 B28AMP-R 576 B31TP-G 592 ASB 290 AWSG 588 B28BMP-R 576 B31W-G 608 ASB 290 AWSG-TG 861 B28WA-R 609 B31W-G 608 ASC 290 ASSG-W 858 B28BM-R 609 B31W-G 668 ASC 290 ASHV1015F 840 B 68, 71, 75 ASP-BV 448 B 68, 71, 75, 76 B26W-R 609 B31W-R 608 ASY 190 B07	AR-REEL100	882	AVN••••-200	699	B28-••AGMB	392		
ARTEL-BELT 867 AWS6 289 B28AMP-R··· 576 B31TP-G···· 592 ASB·· 290 AWSG 858 B28BMP-R··· 576 B31W-G·····P 608 ASB··· 290 AWSG-TG 8.61 B28WA-R··· 609 B31W-G···· 1 613 ASBDV·· 833 AWSG-W 858 B28WA-R··· 1 609 B31W-G···· 1 658 ASC··· 290 BS- 68,71,75 B28W-R··· 1 614 B31WM-R···· 568 ASC··· 290 BS- 68,71,75 B28W-R··· 1 614 B31W-R···· 1 608 ASP-BV 448 B··· 68,71,75 B28W-R··· 1 614 B31W-R···· 1 608 ASP-BV 448 B··· 68,71,75 B28W-R·· 1 614 B31W-R···· 1 613 ASP310-40 369 B··SC 70,365 B2CMP-G··· 572 B31W-R···· 1 613 AST·· 190 B07····AG 407 B2CMP-R·· 572 B31W-R···· 1 613 AST·· 190 B07····MG 407 B2CMP-R·· 572 B31W-R··· 1 613 AST·· 191 B07-202-GC 407 B2CM-R·· 604 B31W-R··· 1 613 AST·· 191 B08-02AG 379 B2E-G·· 592 B3214MP-G·· 575 ATC40ASSAPI 58 B08-02AGMB 379 B2E-G·· 592 B3214MP-R·· 575 ATC40ASSDDA 58 B11···WJC 429 B2FMP-14-G·· 573 B32W-G··· 1 608 ATCF40-90 56 B16···S 458 B2KMP-G·· 605 B32W-R·· 1 613 ATCF40-90 56 B16···S 458 B2KMP-G·· 605 B32W-R·· 1 613 ATCF40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R·· 1 613 ATCG40-90 56 B16···S 458 B2KM-R·· 605 B3401·· 523 ATT-S·· 57 B17····S 458 B2KS-R·· 1 605 B3401·· 523 ATT-S·· 57 B17····S 458 B2KS-R·· 1 605 B3401·· 523 ATT-S·· 57 B17····S 458 B2KS-R·· 1 605 B3401·· 523 ATT-S·· 57 B17····S 458 B2KS-R·· 1 605 B3401·· 523 ATT-S·· 57 B17····S 458 B2KS-R·· 1 605 B3401·· 523 ATS-S-38 329 B18···MG 391 B2KS-R·· 1 605 B3401·· 523 ATS-S-38 329 B18···MG 391 B2KS-R·· 1 605 B3455·· 523 ATS-S-38 329 B18···MG 391 B2KS-R·· 1 605 B3455·· 523 ATS-S-38 329 B18···MG 391 B2KS-R·· 1 605 B3455·· 523 ATS-S-38 329 B18···MG 391 B2KS-R·· 1 6	ARSMSA•••F	780	AWR14	289	B28-••MG	392	B3114MP-R•••••	575
ASB	ARTEL18A	867	AWR4	289	B28-••MGMB	392	B3115F-G•••••	592
ASB	ARTEL-BELT	867	AWS6	289	B28AMP-R•••	576	B31TP-G•••••	592
ASBDV- 833 AWSG-W 858 B28WA-R···U 614 B31WMP-G···· 568 ASC·· 290 B28W-R···P 609 B31WMP-R···· 568 ASHV1015F 840 B· 68,71,75, B28W-R···U 614 B31W-R···· 568 ASHV1015F 840 B· 68,71,75, 6 B2CM-R·· 604 B31W-R···· 608 ASP-BV 448 B· 68,71,75,76 B2CW-R·· 604 B31W-R···· 613 ASP310-40 369 B··SC 70,365 B2CMP-G·· 572 B31W-R···· P 608 AST· 190 B07···AG 407 B2CMP-R·· 572 B31W-R··· 9 608 AST· 190 B07···AG 407 B2CMP-R·· 572 B31W-R··· 9 608 AST· 191 B07·202-GC 407 B2CMP-R·· 572 B31W-R··· 9 608 ASTB·· 191 B07·202-GC 407 B2CMP-R·· 592 B31W-R·· 9 608 ASTB·· 191 B08-02AG 379 B2E-G·· 592 B3214MP-G·· 575 ATC40ASSAPI 58 B08-02AGMB 379 B2F-G·· 592 B3214MP-G·· 575 ATC40ASSDDA 58 B11···WJC 429 B2FP-G·· 604 B32W-G·· 19 608 ATCA40 56 B16···S 458 B2KM-G·· 604 B32W-G·· 10 613 ATCF40 56 B16···S 458 B2KM-G·· 604 B32W-R·· 9 608 ATCG40-90 56 B16···S 458 B2KM-G·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-G·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-R·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-R·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-R·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-R·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-R·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-R·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-R·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-R·· 573 B32W-R·· 10 613 ATCG40-90 56 B16···S 458 B2KM-R·· 573 B32W-R·· 10 613 ATCG40 56 B17··· S 458 B2KS-G·· 10 610 B3455·· 523 ATS7838F 329 B18···AG 391 B2KS-R·· 10 610 B3455·· 523 ATS7838F 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 ATS7838M 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 ATS7838M 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 ATS7838M 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 ATS7838M 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 ATS7838M 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 ATS7838M 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 ATS7838M 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 ATS7838M 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 ATS7838M 329 B18···AG 391 B2KS-R·· 10 610 B3801·· 523 A	ASB••	290	AWSG	858	B28BMP-R•••	576	B31W-G•••••P	608
ASC	ASB•••	290	AWSG-TG	861	B28WA-R•••P	609	B31W-G•••••U	613
ASHV1015F 840 B	ASBDV••	833	AWSG-W	858	B28WA-R•••U	614	B31WMP-G•••••	568
ASP-BV 448 B 68, 71, 75, 76 B2CM-G 604 B31W-RU 613 ASP310-40 369 B-SC 70, 365 B2CMP-G 572 B31W-RP 608 AST- 190 B07MG 407 B2CMP-R- 572 B31W-R 608 AST- 190 B07MG 407 B2CMP-R- 572 B31W-R 608 ASTB 191 B07-202-GC 407 B2CM-R 604 B31W-R 608 ASTB 191 B08-02AG 379 B2E-G 592 B3214MP-G 575 ATC40ASSAPI 58 B08-02AGMB 379 B2F-G 592 B3214MP-R 575 ATC40ASSDDA 58 B11WJC 429 B2FM-14-G 573 B32W-G P 608 ATCA40 56 B11 5 458 B2KMP-G 604 B32W-R 608 ATCF40 56 B16S 458 B2KMP-R 573 B32W-R P 608 ATCG40-90 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCG40 56 B16S 458 B2KMP-R 573 B32W-R P 608 ATCGF40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCGF40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCGF40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 573 B32W-R P 608 ATCS40 56 B16-63 450 B2KMP-R 605 B3401 523 ATS7838F 329 B18AGMB 391 B2KS-RP 605 B3401 523 ATS7838F 329 B18MG 391 B2KS-RP 605 B3401 523 ATS7838M 329 B18MG 391 B2KS-RP 605 B3800 523 ATS7838M 329 B18MG 391 B2KS-RP 606 B3800 523 ATS7838M 329 B18MG 391 B2KS-RP 608 B3801 523 AV 821 B19W-R 601 B2S-R 604 B388L-R 615 AV 821 B19W-R 601 B2S-R 604	ASC•••	290			B28W-R•••P	609	B31WMP-R•••••	568
ASP310-40 369 B·SC 70,365 B2CMP-G··· 572 B31W-R····P 608 AST· 190 B07····AG 407 B2CMP-R·· 572 B31W-R····U 613 AST· 190 B07····MG 407 B2CMP-R·· 572 B31W-R····U 613 AST· 190 B07····MG 407 B2CMP-R·· 572 B31W-R····U 613 ASTB· 191 B07·202-GC 407 B2CM-R·· 604 B31W-R····U 613 ASTB· 191 B08-02AG 379 B2E-G·· 592 B3214MP-G··· 575 ATC40ASSAPI 58 B08-02AGMB 379 B2F-G·· 592 B3214MP-R··· 575 ATC40ASSDDA 58 B11···WJC 429 B2FMP-14-G·· 573 B32W-G····P 608 ATCA40 56 B11···WJCR 429 B2FP-G·· 604 B32W-G·····U 613 ATCF40 56 B16····S 458 B2KM-G·· 605 B32W-R···· 9 608 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R····· 9 608 ATCG40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCG40 56 B16···S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCG40 56 B16···S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCG40 56 B16···S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCG40-90 56 B16··S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCGF40 56 B16··S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCS40 56 B16···S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCS40 56 B16··S 458 B2KMP-R·· 573 B32W-R··· 9 608 ATCS40 56 B16··S 458 B2KMP-R·· 573 B32W-R··· 9 608 ATCS40 56 B16··S 458 B2KMP-R·· 573 B32W-R··· 9 608 ATCS40 56 B16··S 5458 B2KMP-R·· 573 B32W-R··· 9 608 ATCS40 56 B16··S 552 B2KMP-R·· 573 B32W-R··· 9 608 ATCS40 56 B16··S 552 B2KMP-R·· 573 B32W-R··· 9 608 ATCS40 56 B16··S 552 B32M-R·· 553 B32W-R·· 9 605 B3401·· 523 ATS7838F 329 B18··AG 391 B2KS-R·· 9 605 B3401·· 523 ATS7838F 329 B18··AGMB 391 B2KS-R·· 9 605 B3401·· 523 ATS7838M 329 B18··AGMB 391 B2KS-R·· 9 605 B3800·· 523 ATS7838M 329 B18··MG 391 B2KS-R·· 9 605 B3800·· 523 ATFST40CS 116 B18·MGMB 391 B2KS-R·· 9 605 B3800·· 523 AV·· 821 B19WS-R·· 601 B2S-G·· 9 604 B38SL-G·· 615 AV·· 821 B19WS-R·· 601 B2S-R·· 9 604 B38SL-R·· 615 AV·· 821 B19WS-R·· 601 B2S-R·· 9 604 B38SL-R·· 615	ASHV1015F	840	B•	68, 71, 75	B28W-R•••U	614	B31W-R•••••P	608
AST- 190 B07AG 407 B2CMP-R 572 B31W-RU 613 AST 190 B07MG 407 B2CMP-R 572 B31W-RU 608 ASTB 191 B07-202-GC 407 B2CM-R 604 B31W-RU 613 ASTB 191 B08-02AG 379 B2E-G 592 B3214MP-G 575 ATC40ASSAPI 58 B08-02AGMB 379 B2F-G 592 B3214MP-R 575 ATC40ASSAPI 58 B11WJC 429 B2FMP-14-G 573 B32W-GP 608 ATCA40 56 B11 429 B2FM-G 604 B32W-G 608 ATCF40 56 B16 56 B16 58 B2KM-G 605 B32W-R 608 ATCG40-90 56 B16 58 B16-63 450 B2KMP-R 573 B32W-R 608 ATCG40 56 B17 58 B2KM-G 611 B2KMP-R 573 B32W-R 608 ATCG40 56 B17 58 B2KM-G 611 B2KMP-R 573 B32W-R 608 ATCG40 56 B17 57 B17 5458 B2KM-R 605 B3401 523 ATCT 57 B17 5458 B2KS-R 605 B3401 523 ATST 1329 B18AG 391 B2KS-R 605 B3401 523 ATST 1329 B18AG 391 B2KS-R 605 B3401 523 ATST 523 ATST 16 B18MGMB 391 B2KS-R 605 B3800 523 ATST 821 B19WS-R 601 B2S-R 604 B3801 523 AV 821 B19WS-R 601 B2S-R 604 B3801 523 AV 821 B19WS-R 601 B2S-R 604 B3801 523 AV 821 B19WS-R 601 B2S-R 604 B3801 523 AV 821 B19WS-R 601 B2S-R 604 B3801 523 AV 821 B19WS-R 601 B2S-R 604 B3801 523 AV 821 B19WS-R 601 B2S-R 604 B3801 523 AV 821 B19WS-R 601 B2S-R 604 B3801 523 AV 821 B19WS-R 601 B2S-R 604 B3801 615 AV 821 B19WS-R 601 B2S-R 604 B3801 615 AV 821 B19WS-R 601 B2S-R 604 B3801 615 AV 821 B19WS-R 601 B2S-R 604 B3801 615 AV 821 B19WS-R 601 B2S-R 604 B3801 615 AV 821 B19WS-R 601 B2S-R 604 B3801 615	ASP-•BV	448	B••	.68, 71, 75, 76	B2CM-G•••	604	B31W-R•••••U	613
AST. 190 B07MG 407 B2CMP-R. 572 B31W-R. 608 ASTB. 191 B07-202-GC 407 B2CM-R. 604 B31W-R. 604 ASTB. 191 B08-02AG 379 B2E-G. 592 B3214MP-G. 575 ATC40ASSAPI 58 B08-02AGMB 379 B2F-G. 592 B3214MP-R. 575 ATC40ASSDDA 58 B11WJC 429 B2FMP-14-G. 573 B32W-G. 608 ATCA40 56 B11WJCR 429 B2FP-G. 604 B32W-G. 608 ATCF40 56 B16S 458 B2KM-G. 605 B32W-R. 608 ATCF40-90 56 B16S 458 B2KMP-R. 573 B32W-R. 608 ATCG40-90 56 B16.63 450 B2KMP-R. 573 B32W-R. 608 ATCGF40 56 B16. 63 450 B2KMP-R. 573 B32W-R. 613 ATCS40 56 B17S 458 B2KM-R. 573 B32W-R. 613 ATCS40 56 B16. 63 450 B2KMP-R. 573 B32W-R. 613 ATCS40 56 B17S 458 B2KM-R. 573 B32W-R. 613 ATCS40 56 B17S 458 B2KM-R. 573 B32W-R. 613 ATCS40 56 B17S 458 B2KM-R. 573 B32W-R. 613 ATCS40 56 B17S 458 B2KM-R. 573 B32W-R. 523 ATCH. 57 B17S 458 B2KS-G. 605 B3401. 523 ATCH. 57 B17S 458 B2KS-G. 605 B3401. 523 ATS938F 329 B18AG 391 B2KS-R. 605 B3401. 523 ATS7838F 329 B18AGMB 391 B2KS-R. 605 B3401. 523 ATS7838M 329 B18MG 391 B2KS-R. 606 B3800. 523 ATS7838M 329 B18MG 391 B2KS-R. 606 B3800. 523 ATS7838M 329 B18MG 391 B2KS-R. 606 B3800. 523 ATS7838M 329 B18MG 391 B2KS-R. 606 B3800. 523 ATS7838M 329 B18MG 391 B2KS-R. 606 B3800. 523 ATS7838M 329 B18MG 391 B2KS-R. 606 B3800. 523 ATS7838M 329 B18MG 391 B2KS-R. 606 B3800. 523 ATS7838M 329 B18MG 391 B2KS-R. 606 B3800.	ASP310•-40	369	B••SC	70, 365	B2CMP-G•••	572	B31W-R••••P	608
ASTB··· 191 B07-202-GC 407 B2CM-R··· 604 B31W-R····U 613 ASTB··· 191 B08-02AG 379 B2E-G·· 592 B3214MP-G···· 575 ATC40ASSAPI 58 B08-02AGMB 379 B2F-G·· 592 B3214MP-R···· 575 ATC40ASSDDA 58 B11···WJC 429 B2FMP-14-G·· 573 B32W-G···· P 608 ATCA40 56 B11···WJCR 429 B2FP-G·· 604 B32W-G···· U 613 ATCF40 56 B16····S 458 B2KM-G·· 605 B32W-R···· D 608 ATCF40-90 56 B16···S 458 B2KMP-G·· 573 B32W-R···· U 613 ATCG40-90 56 B16··S 458 B2KMP-G·· 573 B32W-R···· U 613 ATCG40 56 B16···S 458 B2KMP-R·· 573 B32W-R···· U 613 ATCG40 56 B16··S 458 B2KMP-R·· 573 B32W-R···· U 613 ATCG40 56 B16··S 458 B2KMP-R·· 573 B32W-R··· U 613 ATCG40 56 B16··S 458 B2KMP-R·· 573 B32W-R··· U 613 ATCS40 56 B17···S 458 B2KM-R·· 605 B3401·· 523 ATCT·· 57 B17···S 458 B2KM-R·· 605 B3401·· 523 ATCT·· 57 B17···S 458 B2KS-G·· P 605 B3401·· 523 ATS··· H 329 B18·· AG 391 B2KS-R·· D 605 B3401·· 523 ATS7838F 329 B18·· AGMB 391 B2KS-R·· D 605 B3800·· 523 ATS7838M 329 B18·· AGMB 391 B2KS-R·· D 605 B3800·· 523 ATS7838M 329 B18·· MGMB 391 B2KS-R·· D 605 B3800·· 523 ATS7838M 329 B18·· MGMB 391 B2KS-R·· D 605 B3800·· 523 ATS7838M 329 B18·· MGMB 391 B2KS-R·· D 605 B3800·· 523 ATV·· 821 B2H9MS-R·· 601 B2S-G·· D 604 B38SL-G·· 615 AV·· 821 B19WB-R·· 601 B2S-G·· D 604 B38SL-G·· 615 AV·· B1 B2SBMP-G·· 601 B2S-R·· D 604 B38SL-R·· 615 AV·· BBR 821 B2WB-G·· 601 B2S-R·· D 604 B45AB-R·· 615	AST•	190	B07-•••AG	407	B2CMP-R••	572	B31W-R•••••U	613
ASTB··· 191 B08-02AG 379 B2E-G··· 592 B3214MP-G···· 575 ATC40ASSAPI 58 B08-02AGMB 379 B2F-G··· 592 B3214MP-R···· 575 ATC40ASSDDA 58 B11···WJC 429 B2FMP-14-G··· 573 B32W-G·····P 608 ATCA40 56 B11···WJCR 429 B2FP-G··· 604 B32W-G·····U 613 ATCF40 56 B16····S 458 B2KM-G··· 605 B32W-R·····P 608 ATCF40-90 56 B16···S 458 B2KMP-G··· 573 B32W-R·····P 608 ATCGF40-90 56 B16···S 458 B2KMP-R·· 573 B32W-R····· 9 608 ATCGF40 56 B16···S 458 B2KMP-R·· 573 B32W-R····· 9 608 ATCGF40 56 B16···S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCGF40 56 B16···S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCGF40 56 B16···S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCGF40 56 B16···S 458 B2KMP-R·· 573 B32W-R···· 9 608 ATCGF40 56 B17····S 458 B2KM-R·· 605 B3401··· 523 ATCT·· 57 B17····S 458 B2KM-R·· 605 B3401··· 523 ATCT·· 57 B17···S 458 B2KS-G·· P 605 B3401··· 523 ATS7838F 329 B18···AGMB 391 B2KS-R·· 9 605 B3455··· 523 ATS7838F 329 B18···AGMB 391 B2KS-R·· 9 605 B3800··· 523 ATS7838M 329 B18···MG 391 B2KS-R·· 9 605 B3800··· 523 ATS7838M 329 B18···MGMB 391 B2KS-R·· 9 605 B3800··· 523 ATS7838M 329 B18···MGMB 391 B2KS-R·· 9 605 B3800··· 523 AV··· 821 B19W-R·· 601 B2S-G·· 9 604 B3801··· 523 AV··· 821 B19W-R·· 601 B2S-G·· 9 604 B3801··· 523 AV··· 821 B19W-R·· 601 B2S-R·· 9 604 B3801··· 523 AV·· 821 B19W-R·· 601 B2S-R·· 9 604 B38SL-R·· 615 AV·· BRR 821 B2W-G·· 611 B2S-R·· 9 604 B38SL-R·· 615 AV·· BRR 821 B2W-G·· 611 B2S-R·· 9 604 B38SL-R·· 615 AV·· BRR 821 B2W-G·· 611 B2S-R·· 9 604 B45AB-R·· 615 AV·· BRR 821 B2W-G·· 611 B2S-R·· 9 604 B45AB-R·· 615 AV·· BRR 821 B2W-G·· 611 B2S-R·· 9 604 B45AB-R·· 615 AV·· BRR 821 B2W-G·· 611 B2S-R·· 9 604 B45AB-R·· 615 AV·· BRR 821 B2W-G·· 611 B2S-R·· 9 604 B45AB-R·· 615 AV·· BRR 821 B2W-G·· 611 B2S-R·· 9 604 B45AB-R·· 615 B38W-R·· 615 B2S-R·· 9 604 B45AB-R·· 615 B38W-R·· 615 B38	AST••	190	B07-•••MG	407	B2CMP-R***	572	B31W-R••••P	608
ATC40ASSAPI         58         B08-02AGMB         379         B2F-G···         592         B3214MP-R·····         575           ATC40ASSDDA         58         B11-··WJC         429         B2FMP-14-G···         573         B32W-G·····P         608           ATCA40         56         B11-··WJCR         429         B2FP-G···         604         B32W-G·····U         613           ATCF40         56         B16····S         458         B2KM-G···         605         B32W-R·····P         608           ATCF40-90         56         B16···S         458         B2KMP-G···         573         B32W-R·····P         608           ATCG40-90         56         B16···63         450         B2KMP-R··         573         B32W-R·····P         608           ATCS40         56         B16···63         450         B2KMP-R··         573         B32W-R·····P         608           ATCS40         56         B17····S         458         B2KM-R···         605         B3401····         523           ATST781         329         B18····S         458         B2KS-G····P         605         B3401····         523           ATS7838F         329         B18···AG         391         B2KS-R··P         <	ASTB••	191	B07-202•GC	407	B2CM-R•••	604	B31W-R••••U	613
ATC40ASSDDA         58         B11-·WJC         429         B2FMP-14-G···         573         B32W-G····P         608           ATCA40         56         B11-·WJCR         429         B2FP-G···         604         B32W-G····U         613           ATCF40         56         B16····S         458         B2KM-G···         605         B32W-R·····P         608           ATCF40-90         56         B16···S         458         B2KMP-G···         573         B32W-R·····U         613           ATCG40-90         56         B16··63         450         B2KMP-R··         573         B32W-R·····U         613           ATCGF40         56         B16W-G···         611         B2KMP-R··         573         B32W-R·····U         613           ATCS40         56         B16W-G···         611         B2KMP-R··         573         B32W-R·····U         613           ATCT··         57         B17····S         458         B2KM-R···         605         B3401····         523           ATCT··         57         B17····S         458         B2KS-G···P         605         B3401····         523           ATS7838F         329         B18···AG         391         B2KS-R···P         605	ASTB•••	191	B08-02AG	379	B2E-G•••	592	B3214MP-G•••••	575
ATCA40       56       B11-WJCR       429       B2FP-G···       604       B32W-G····U       613         ATCF40       56       B16····S       458       B2KM-G···       605       B32W-R····P       608         ATCF40-90       56       B16···S       458       B2KMP-G···       573       B32W-R····P       613         ATCG40-90       56       B16··63       450       B2KMP-R···       573       B32W-R····P       608         ATCGF40       56       B16W-G···       611       B2KMP-R···       573       B32W-R····P       608         ATCS40       56       B17····S       458       B2KM-R···       573       B3401···       523         ATCT··       57       B17····S       458       B2KM-R···       605       B3401···       523         ATN100X7       53       B17··63       451       B2KS-G···U       610       B3455···       523         ATS7838F       329       B18··AGMB       391       B2KS-R···P       605       B380···       523         AV···       821       B19MPX-R···       601       B2S-G···P       605       B380···       523         AV···       821       B19MPX-R···       601       B2S-G··	ATC40ASSAPI	58	B08-02AGMB	379	B2F-G•••	592	B3214MP-R•••••	575
ATCF40         56         B16-····S         458         B2KM-G···         605         B32W-R·····P         608           ATCF40-90         56         B16-···S         458         B2KMP-G···         .573         B32W-R·····P         608           ATCG40-90         56         B16-·63         450         B2KMP-R···         .573         B32W-R·····P         608           ATCGF40         56         B16W-G···         611         B2KMP-R···         .573         B32W-R·····P         608           ATCS40         56         B17····S         458         B2KM-R···         .573         B32W-R·····P         608           ATCT**         57         B17····S         458         B2KM-R···         .605         B3401····         523           ATN100X7         53         B17···63         451         B2KS-G···U         .610         B3455····         523           ATS7838F         329         B18···AGMB         391         B2KS-R···U         .610         B3800····         523           ATTFS740CS         116         B18··MGMB         391         B2KS-R···U         .610         B3801····         523           AV····         821         821         B19MPX-R···         .601         B2	ATC40ASSDDA	58	B11-••WJC	429	B2FMP-14-G•••	573	B32W-G•••••P	608
ATCF40-90       56       B16-···S       458       B2KMP-G···       573       B32W-R·····U       613         ATCG40-90       56       B16··63       450       B2KMP-R···       573       B32W-R·····U       608         ATCGF40       .56       B16W-G···       611       B2KMP-R···       573       B32W-R·····U       613         ATCS40       .56       B17····S       458       B2KM-R···       605       B3401····       523         ATCT··       .57       B17···S       458       B2KS-G···P       605       B3401····       523         ATN100X7       .53       B17···63       451       B2KS-G···U       610       B3455····       523         ATS7838F       329       B18···AG       391       B2KS-R···P       605       B3401····       523         ATS7838M       329       B18···MG       391       B2KS-R···P       605       B3800····       523         AVIII       B18···MGMB       391       B2KS-R···P       605       B3800····       523         AVIII       B18···MGMB       391       B2KS-R···U       610       B3801····       523         AVIII       B21       B19WB-G···       601       B2S-G···U       610	ATCA40	56	B11-••WJCR	429	B2FP-G•••	604	B32W-G•••••U	613
ATCG40-90       56       B16-63       450       B2KMP-R**       573       B32W-R*****P       608         ATCGF40       56       B16W-G***       611       B2KMP-R***       573       B32W-R******P       613         ATCS40       56       B17-****S       458       B2KM-R****       605       B3401-***       523         ATCT**       57       B17-***S       458       B2KS-G***P       605       B3401-***       523         ATN100X7       53       B17-*63       451       B2KS-G***U       610       B3455-***       523         ATS****H       329       B18-*AG       391       B2KS-R***P       605       B3455-***       523         ATS7838F       329       B18-*AGMB       391       B2KS-R***P       605       B3800-***       523         ATTFST40CS       116       B18-*MGMB       391       B2KS-R***P       605       B3800-***       523         AV***-       821       B19MPX-R***       601       B2S-G***P       604       B3801-***       523         AV***-       821       B19WP-G***       601       B2S-G***U       610       B38SL-G***       615         AV***-       823       B19WP-G***       601	ATCF40	56	B16-••••S	458	B2KM-G•••	605	B32W-R•••••P	608
ATCGF40       56       B16W-G···       611       B2KMP-R···       573       B32W-R····U       613         ATCS40       56       B17····S       458       B2KM-R···       605       B3401····       523         ATCT··       57       B17····S       458       B2KS-G···P       605       B3401····       523         ATN100X7       53       B17··63       451       B2KS-G···U       610       B3455···       523         ATS····H       329       B18···AG       391       B2KS-R···P       605       B3455···       523         ATS7838F       329       B18···AGMB       391       B2KS-R···U       610       B3800···       523         ATTFST40CS       116       B18···MGMB       391       B2KS-R···U       610       B3801···       523         AV····       821, 824       B19WB-G···       601       B2S-G···U       610       B38SL-G···       523         AV···-       821       B19WB-G···       611       B2S-G···U       610       B38SL-R···       615         AV···-       823       B19WV-R···       601       B2S-R···P       604       B38SL-R···       615         AV···-       821       B19WB-G···       601	ATCF40-90	56	B16-•••S	458	B2KMP-G•••	573	B32W-R•••••U	613
ATCS40       56       B17-····S       458       B2KM-R···       605       B3401-···       523         ATCT··       57       B17-···S       458       B2KS-G···P       605       B3401-···       523         ATN100X7       53       B17-·63       451       B2KS-G···U       610       B3455-···       523         ATS····H       329       B18-·AG       391       B2KS-R···P       605       B3455-···       523         ATS7838F       329       B18-·AGMB       391       B2KS-R···U       610       B3800-···       523         ATS7838M       329       B18-·MG       391       B2KS-R···U       610       B3800-···       523         ATTFST40CS       116       B18-·MGMB       391       B2KS-R···U       610       B3801-···       523         AV···       821, 824       B19MPX-R···       601       B2S-G···P       604       B3801-···       523         AV···-1       823       B19WV-R···       601       B2S-R···P       604       B38SL-R···       615         AV···-2       821       B19WS-R···       601       B2S-R···P       604       B38W-R···       615         AV···-3       821       B23WB-G···       601	ATCG40-90	56	B16-•63	450	B2KMP-R••	573	B32W-R•••••P	608
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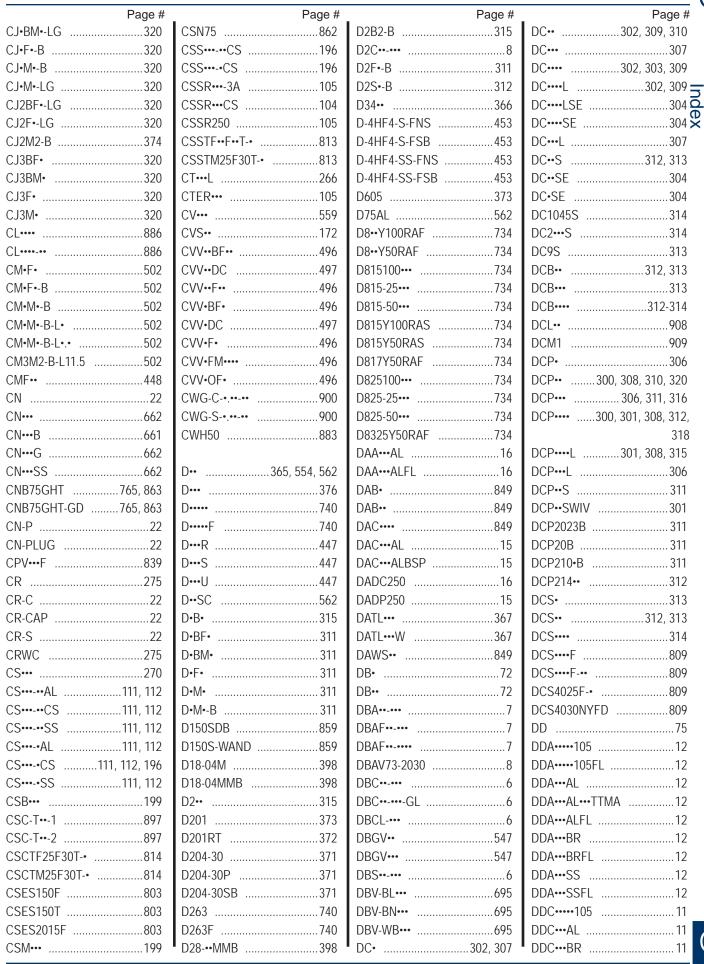


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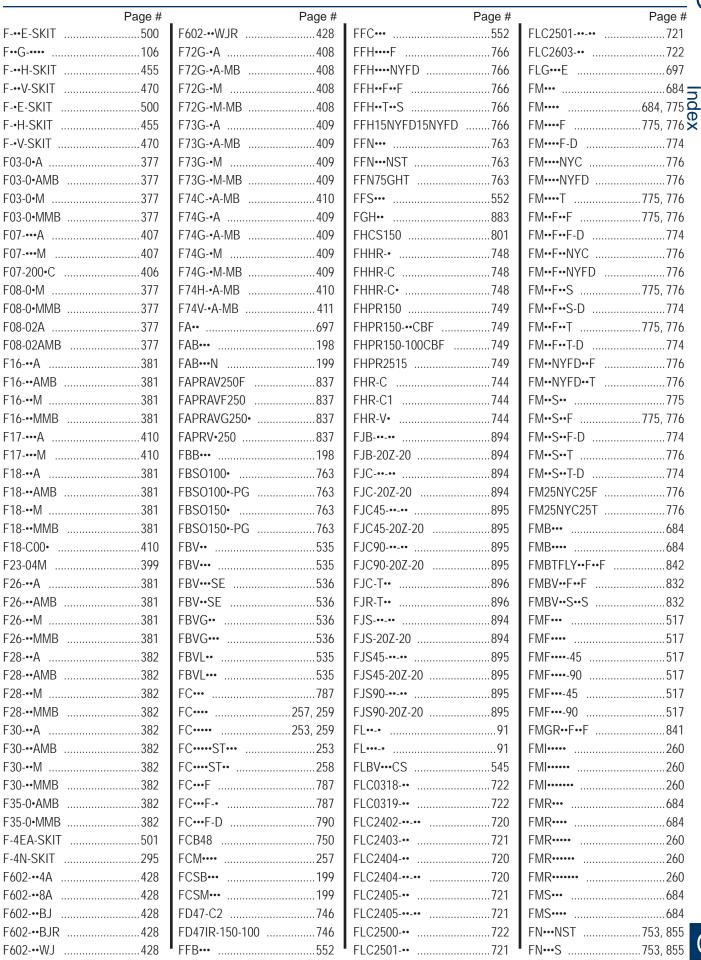
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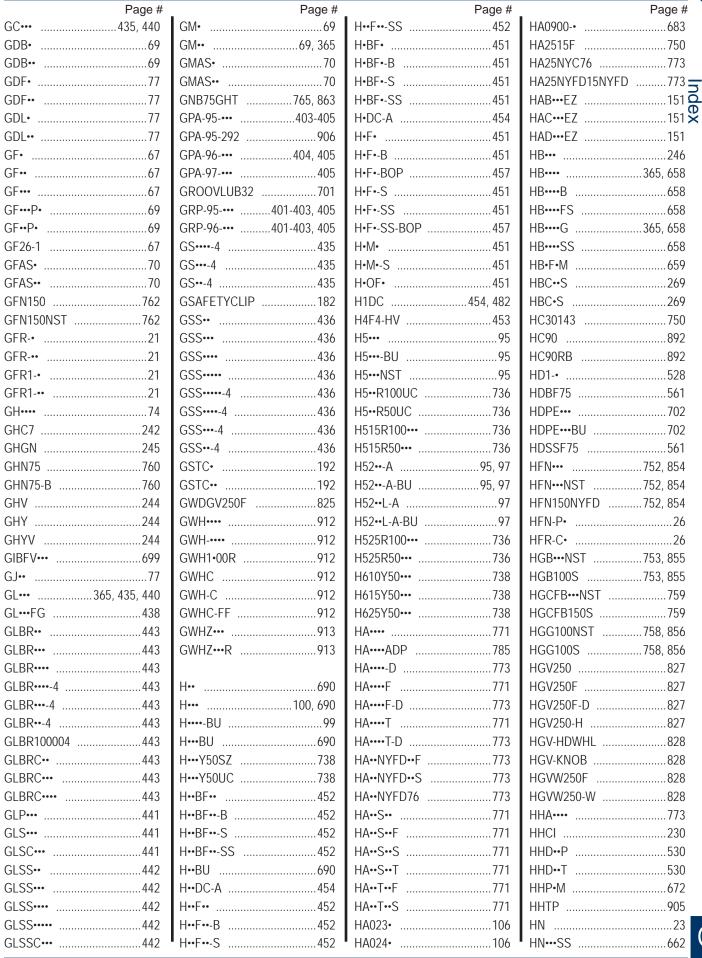


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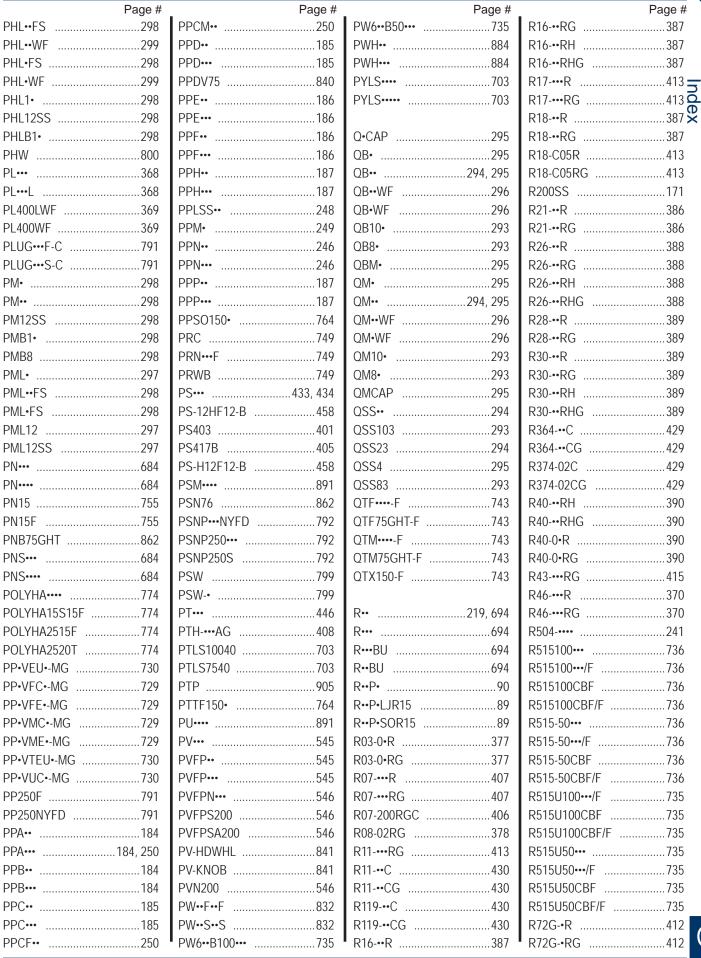
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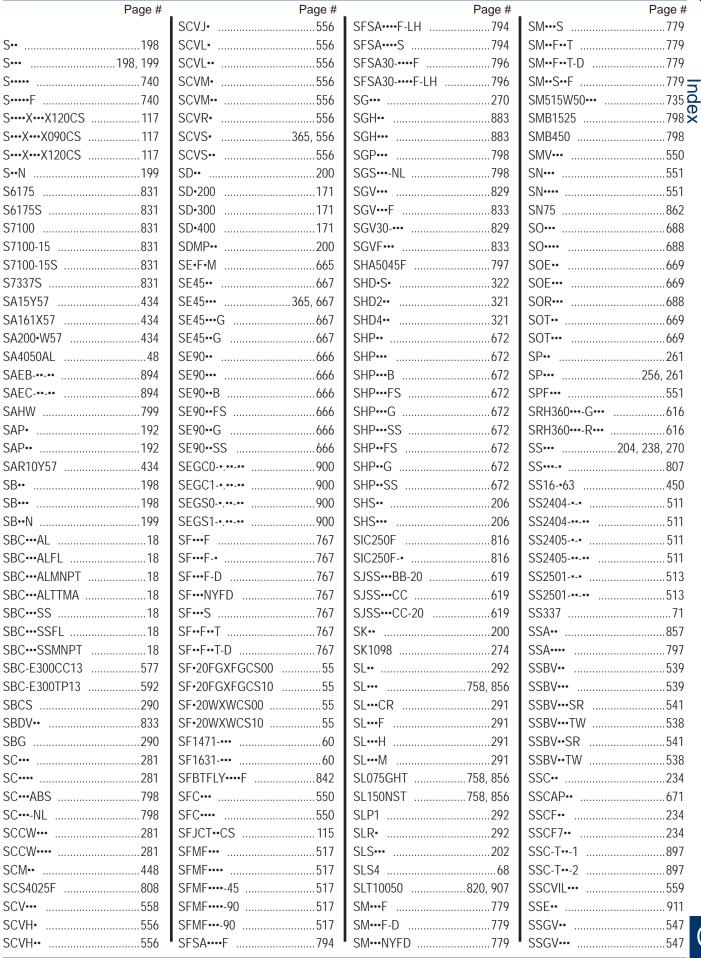
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