

## 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



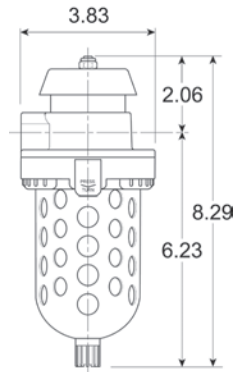
Pneumatic Accessories

Size	Part #
1"	<b>C31-08FRAME</b>

## 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)**



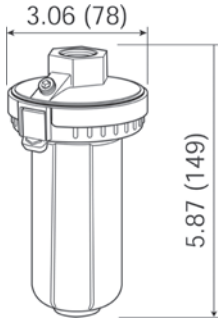
Size	Flow @ 90 PSI	Transparent Bowl with Guard Part #
½"	240 SCFM	<b>F23-04M</b>



FRL's are designed for air service only, unless otherwise indicated.



with metal bowl



## X02 Automatic Drains

As liquid contaminants collect in the bowl, they raise a closed-cell cellular float. When the liquid level reaches a given point, the float triggers a mechanism which pilots line pressure against a large area piston or diaphragm which snaps open the drain valve. The contaminants are discharged from the drain orifice at line pressure. As the liquid level falls, the pilot valve closes, line pressure against the piston/diaphragm returns to atmosphere and the drain valve snaps closed.

### Features:

- 5 oz. bowl
- fully automatic, float operated
- full ½" NPT drain inlet
- quick-disconnect clamp ring for easy bowl removal when servicing
- no electrical connections
- easy installation
- maximum operating conditions:
  - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
  - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Transparent Bowl Part #	Metal Bowl Part #
½"	<b>X02-04</b>	<b>X02-04MB</b>

## Lockout Valves

### Application:

Lockout valves are installed in pneumatic drop legs, or individual pneumatic control lines. In accordance with OSHA procedures, lockout valves are used during maintenance and service procedures of pneumatically (air) operated equipment.



### Features:

- used to comply with OSHA 29 CFR part 1910
- built in port for pressure verification to meet ANSI B11 and Pmm155 requirements
- inline or surface mountable
- yellow cast aluminum body with red handle
- pressure range: **15-300 PSI**
- temperature range: **40°F to 175°F (4°C to 79°C)**

Port In/Out	Port Exhaust	Part #
½"	¾"	<b>LV4N6D</b>
¾"	¾"	<b>LV6N6D</b>
¾"	1¼"	<b>LV6NAD</b>
1"	1¼"	<b>LV8NAD</b>

### Filter Elements

Used On	Description	Part #
F03	5 micron element	<b>PS403</b>
F08		<b>FRP-96-729</b>
F16		<b>FRP-95-160</b>
F18		<b>FRP-96-639</b>
F26		<b>FRP-95-115</b>
F28		<b>FRP-96-653</b>
F30		<b>FRP-95-209</b>
F35		<b>FRP-95-505</b>
F42		<b>FRP-95-566</b>



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### Coalescing Filter Elements

Used On	Description	Part #
M16, M26, M30	type B element (0.5 micron)	<b>MSP-95-989</b>
M16	type C element (0.01 micron)	<b>MTP-95-548</b>
M26	type C element (0.01 micron)	<b>MTP-95-549</b>
M30	type C element (0.01 micron)	<b>MTP-95-551</b>
M35	type C element (0.01 micron)	<b>MTP-95-502</b>



MTP-95-548

### Desiccant Dryer Gel Refill

Used On	Description	Part #
X03	8 bags of silica gel refill	<b>DRP-85-059</b>



### Filter Bowls with Drain

Used On	Description	Part #
F08	plastic bowl with guard and manual drain	<b>GRP-96-712</b>
F16, M16	plastic bowl and metal bowl guard with flex tip drain	<b>FRP-95-014</b>
	plastic bowl and metal bowl guard with auto drain	<b>FRP-95-015</b>
	plastic bowl with manual drain	<b>FRP-95-017</b>
	metal bowl with sight glass and manual drain	<b>GRP-95-133</b>
	metal bowl with auto drain	<b>FRP-95-950</b>
F18	plastic bowl and bowl guard with manual drain	<b>GRP-96-634</b>
	plastic bowl and bowl guard with auto drain	<b>GRP-96-635</b>
	metal bowl with sight glass and manual drain	<b>GRP-96-636</b>
F26, M26	plastic bowl and metal bowl guard with flex tip drain	<b>GRP-95-935</b>
	plastic bowl and metal bowl guard with auto drain	<b>GRP-95-948</b>
	metal bowl with sight glass and manual drain	<b>GRP-95-931</b>
	metal bowl with auto drain	<b>GRP-95-960</b>
F28	plastic bowl, bowl guard, manual drain	<b>GRP-96-642</b>
	metal bowl, with sight glass, manual drain	<b>GRP-96-644</b>
F30, M30	plastic bowl and metal bowl guard with manual drain	<b>FRP-95-832</b>
	plastic bowl and metal bowl guard with auto drain	<b>FRP-95-775</b>
	plastic bowl with flex tip drain	<b>FRP-96-315</b>
	metal bowl with sight glass and manual drain	<b>GRP-95-676</b>
	metal bowl with auto drain	<b>GRP-95-970</b>



FRP-95-015

## Filter Drains



GRP-96-001

Used On	Description	Part #
F16, F18, F26, F28, F30, F35, M16, M26, M30, M32, M35	automatic drain with flourocarbon seal	<b>GRP-95-981</b>
F16, F18, F26, F28, F30, M16, M26, M30	automatic float drain with a nitrile seal	<b>GRP-95-973</b>
F16, F18, F26, F28, F30, F35, M16, M26, M30, M35	manual override drain	<b>GRP-96-001</b>
F16, F26, F30, M16, M26, M30	manual petcock drain for use with metal bowl units	<b>GRP-95-182</b>
F16, F26, F30, M16, M26, M30	manual flex tip drain	<b>FRP-95-610</b>
F18, F28	manual drain	<b>GRP-96-685</b>

## Sight Glass Kit



Used On	Description	Part #
M16, M26	sight glass kit for metal bowls	<b>GRP-95-079</b>

## Differential Pressure Indicators

## Features:

- used to replace damaged indicators on filters and modular coalescing filters
- pressure loss changes color of indicator window from green to red



DP2-01-000

Used On	Description	Part #
M16, M26, M30, M32	indicator	<b>DP2-01-000</b>
F35, M35	indicator	<b>DP2-01-001</b>

## Regulator Spring



Used On	Description	Part #
R16	0-50 PSI spring	<b>RRP-95-222</b>

## Regulator Flush Mounted Gauge



## Application:

- for units originally purchased with a flush mounted gauge

Used On	Description	Part #
R08	0-160 PSI	<b>GRP-96-719</b>

## Ring Style Tamper Resistant Kits



RPA-95-006

Used On	Description	Part #
R08	ring style tamper resistant kit	<b>RPA-96-735</b>
R16,R26		<b>RPA-95-006</b>
R18		<b>RRP-96-671</b>
R28		<b>RRP-96-672</b>

## Regulator Repair Kits

Used On	Description	Part #
R16	self-relieving repair kit	<b>RRP-95-131</b>
R18	relieving diaphragm assembly	<b>RRP-96-656</b>
R26	self-relieving repair kit	<b>RRP-95-952</b>
R28	relieving diaphragm assembly	<b>RRP-96-986</b>
R30	valve assembly: valve, spring, bottom plug O-ring	<b>RRP-95-159</b>
R40	valve assembly: valve, spring, retaining ring O-ring	<b>RRP-95-161</b>



RRP-95-952

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## Lubricator Bowls and Bowl Guards

Used On	Description	Part #
L08	plastic bowl with guard and manual drain	<b>LRP-96-736</b>
L16	metal bowl with sight glass and manual drain	<b>GRP-95-133</b>
	plastic bowl with guard and manual drain	<b>GRP-95-019</b>
	plastic bowl with no drain	<b>LRP-96-937</b>
L18	metal bowl with sight glass, manual drain	<b>GRP-96-636</b>
	plastic bowl with guard and manual drain	<b>LRP-96-701</b>
L26	metal bowl with sight glass and manual drain	<b>GRP-95-931</b>
	plastic bowl with no drain	<b>LRP-96-938</b>
L28	metal bowl with sight glass, manual drain	<b>GRP-96-644</b>
	plastic bowl with guard and manual drain	<b>LRP-96-702</b>
L30, L40	metal bowl with sight glass and manual drain	<b>GRP-95-676</b>
L30, L40, L50	plastic bowl with no drain	<b>LRP-96-940</b>



GRP-95-019

## Sight Domes and Fill Plugs

Used On	Description	Part #
L08, L16, L26	sight dome kit: dome and O-ring	<b>LRP-95-239</b>
L08	fill plug kit: fill plug and O-ring	<b>LRP-96-730</b>
L16, L26, L30	fill plug kit: fill plug and O-ring	<b>LRP-95-253</b>
L18, L28	sight dome assembly (new style)	<b>LRP-96-310</b>
L30, L40, L50	sight dome kit: dome and O-ring	<b>LRP-95-249</b>
L40, L50	fill plug kit: fill plug and O-ring	<b>LRP-95-250</b>



LRP-95-249

## 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



GPA-95-098

Used On	Description	Part #
F16, F26, R16, B26, L16, L26	¼" NPT safety shut-off valve	<b>GPA-95-096</b>
	⅜" NPT safety shut-off valve	<b>GPA-95-097</b>
	½" NPT safety shut-off valve	<b>GPA-95-098</b>

## Modular Blocks



GPA-95-919



GPA-95-223



GPA-96-610

**Features:**

## Manifold Block

- flexible installation can be installed after the filter or regulator, providing three additional 1/4" NPT tapped auxiliary ports
- 1/2" inlet/outlet ports non-tapped
- 1-17/32" width

## End Block

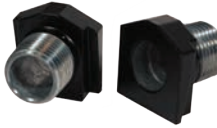
- When used with the modular sleeve, end blocks allow a single unit or a combination of units to be piped into the air system in the modular mode.
- allows ease of unit servicing or replacement without disturbing the air line connections

Used On	Description	Part #
F16, M16, F26, M26, R16, R26, L16, L26	manifold block, three 1/4" NPT auxiliary ports	<b>GPA-95-919</b>
	end block, 1/4" NPT	<b>GPA-95-223</b>
	end block, 3/8" NPT	<b>GPA-95-224</b>
	end block, 1/2" NPT	<b>GPA-95-225</b>
F18, F28, R18, R28, L18, L28	end block, 1/4" NPT	<b>GPA-96-610</b>
	end block, 3/8" NPT	<b>GPA-96-611</b>
	end block, 1/2" NPT	<b>GPA-96-612</b>
	end block, 3/4" NPT	<b>GPA-96-613</b>

## Modular Pipe Adapters

**Features:**

- When used with the modular sleeve, adapter inserts allow a single unit or a combination of units to be piped into the air system in the modular mode.
- allows ease of unit servicing or replacement without disturbing the air line connections
- set includes 2 blocks



GPA-95-037

Used On	Description	Part #
F16, M16, F26, M26, R16, R26, L16, L26	1/4" NPT	<b>GPA-95-035</b>
	3/8" NPT	<b>GPA-95-036</b>
	1/2" NPT	<b>GPA-95-037</b>

## Modular Sleeve

**Features:**

- design easily and quickly connects one or more units and accessories together without pipe nipples
- hand tightening the threaded pin provides a tight seal between the units



Used On	Description	Part #
F16, F26, R16, R26, L16, L26	modular sleeve	<b>GPA-95-292</b>

## Modular Sleeve with T Bracket

**Features:**

- designed to mount a single unit or combination of units directly to the wall
- sleeve and mounting bracket can be ordered assembled, or just the mounting bracket alone for use on existing modular sleeves



GPA-95-969

Used On	Description	Part #
F16, F26, R16, R26, L16, L26	bracket	<b>GPA-95-968</b>
	sleeve and bracket	<b>GPA-95-969</b>

## Mounting Brackets and Joiner Sets

Used On Filter/Regulator/Lubricator Series	Description	Part #
RB3	mounting bracket (type L) and nut	<b>GRP-95-747</b>
F03	mounting bracket	<b>PS417B</b>
F08	mounting bracket (type T) with joiner set and port O-ring	<b>GPA-96-737</b>
	mounting bracket (type C)	<b>GPA-97-010</b>
	joiner set and port O-ring	<b>GPA-96-738</b>
R08	mounting bracket (type L)	<b>GRP-96-739</b>
F16, M16	mounting bracket (type L)	<b>GPA-95-016</b>
R16	mounting bracket (type L) and nut	<b>GPA-95-011</b>
R16, R21, R26, R30, R40	wall mount bracket with 1/4" NPT gauge port adapter	<b>RRP-95-590</b>
F18	mounting bracket (type C)	<b>GPA-96-604</b>
	mounting bracket (type L)	<b>GPA-96-606</b>
F18, F28	mounting bracket (type T)	<b>GPA-96-602</b>
	mounting bracket (type T) with joiner set and port O-ring	<b>GPA-96-603</b>
F26, M26	mounting bracket (type L)	<b>GPA-95-946</b>
R26	mounting bracket (type C) and nut	<b>RPA-95-947</b>
F28	mounting bracket (type C)	<b>GPA-96-605</b>
	mounting bracket (type L)	<b>GPA-96-607</b>
F30	wall mount, U-bolt pipe clamp	<b>GRP-95-734</b>

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GPA-96-737

## FRL Display

Increase your sales with this heavy duty, point-of-purchase Dixon® FRL Display. Display is designed to highlight the features and benefits of a modular Filter-Regulator-Lubricator Combination Unit for air line services. The display is perfect for a "Will Call" or showroom sales area.

**Features:**

- FRL combination unit with standard metal bowl with sight glass and manual drain
- modular mounting clamps
- pipe adapters
- display stand
- assembly is required



Part #

**WILK26DISPLAY**

Note: this product will be discontinued once stock is depleted.



### FRL Display

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**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

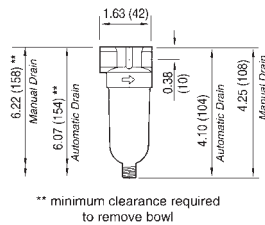
Part #

**NOR74DISPLAY**

Note: this product will be discontinued once stock is depleted.

Series I line of miniature filters, filter/regulators, regulators and lubricators in prepackaged clear plastic units are suitable for hanging on store peg racks or displays. The primary features of each unit are printed on the packaging. Each package contains 1 unit and an instruction sheet.

### F07 Carded Miniature Filters

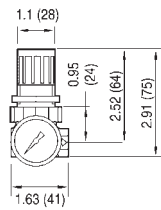


**Features:**

- 5 micron element
- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	24	<b>F07-200AC</b>	<b>F07-200MC</b>

### R07 Carded Miniature Regulator

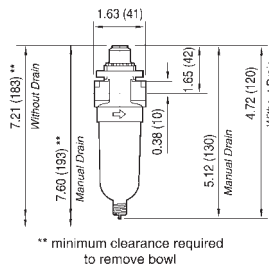


**Features:**

- pressure range 5-100 PSI
- relieving type
- inlet pressure **250 PSI** maximum
- maximum temperature: **150°F (66°C)**
- supplied with a GC620 gauge

Port Size	Flow (SCFM)	with Gauge Part #
1/4"	15	<b>R07-200RGC</b>

### L07 Carded Miniature Lubricator



**Features:**

- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**

Port Size	Flow (SCFM)	with Transparent Bowl Part #
1/4"	15	<b>L07-200AC</b>

**!** FRL's are designed for air service only, unless otherwise indicated.

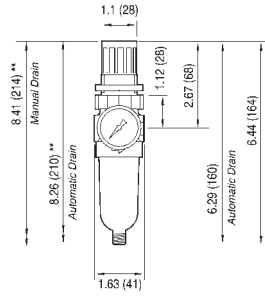
SCFM ratings given at 100 PSIG inlet pressure for regulators, 90 PSIG all others.



## B07 Carded Miniature Filter/Regulators

**Features:**

- pressure range 5-100 PSI
- relieving type
- 5 micron element
- 1 oz. reservoir
- push to lock adjusting knob
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- supplied with a GC620 gauge
- bowl guard not available
- transparent bowl



\*\* minimum clearance required to remove bowl



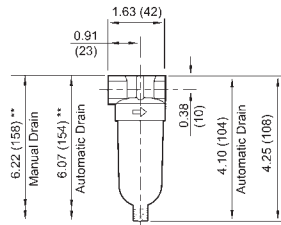
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Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	14	<b>B07-202AGC</b>	<b>B07-202MGC</b>

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



\*\* minimum clearance to remove bowl

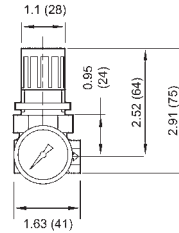


Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	19	<b>F07-100A</b>	<b>F07-100M</b>
1/4"	24	<b>F07-200A</b>	<b>F07-200M</b>

SCFM ratings given at 90 PSIG inlet pressure.

## R07 Miniature Regulators

- pressure range 5-100 PSI
- relieving type
- inlet pressure **300 PSI** max.
- maximum temperature: **150°F (66°C)**
- regulation at flows up to 22 SCFM at 100 PSIG
- RG models supplied with a GC620 gauge
- panel nut not included

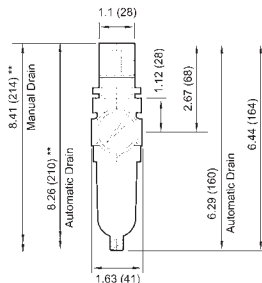


Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/8"	14	<b>R07-100RG</b>	<b>R07-100R</b>
1/4"	15	<b>R07-200RG</b>	<b>R07-200R</b>

SCFM ratings given at 100 PSIG inlet pressure.

## B07 Miniature Filter / Regulators

- pressure range 5-100 PSI
- relieving type
- 5 micron element
- 1 oz. reservoir
- push to lock adjusting knob
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- supplied with a GC620 gauge
- bowl guard not available
- transparent bowl



\*\* minimum clearance to remove bowl



Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	13	<b>B07-102AG</b>	<b>B07-102MG</b>
1/4"	24	<b>B07-202AG</b>	<b>B07-202MG</b>

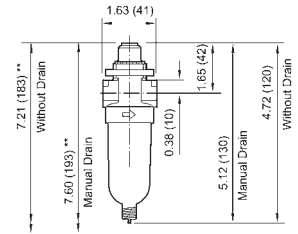
SCFM ratings given at 150 PSIG inlet pressure.

### L07 Miniature Lubricators



- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**

Port Size	Flow (SCFM)	Transparent Bowl Part #
1/8"	10	<b>L07-100A</b>
1/4"	14	<b>L07-200A</b>



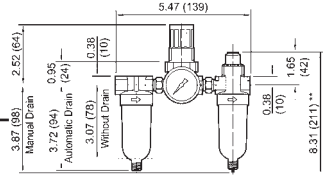
\*\* minimum clearance to remove bowl

### P1A Miniature Combination Units



- pressure range 5-125 PSI
- 1 oz. reservoir
- supplied with a GC620 gauge
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	10	<b>P1A-100A</b>	<b>P1A-100M</b>
1/4"	14	<b>P1A-200A</b>	<b>P1A-200M</b>



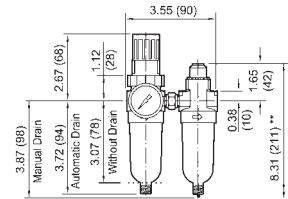
\*\* minimum clearance to remove bowl

### PTH Miniature Combination Units



- pressure range 5-125 PSI
- requires only 2 pipe connections
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #
1/8"	10	<b>PTH-100AG</b>
1/4"	14	<b>PTH-200AG</b>



\*\* minimum clearance to remove bowl

### F72 Sub-Compact Airline Filters

**Features:**

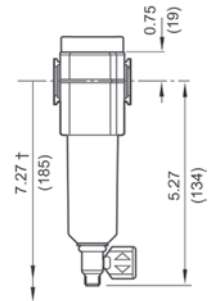
- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 2 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **150°F (66°)**

**Transparent Bowl**

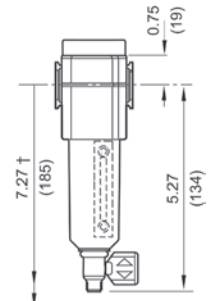
Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	55	<b>F72G-2A</b>	<b>F72G-2M</b>

**Metal Bowl and Sight Glass**

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	55	<b>F72G-2A-MB</b>	<b>F72G-2M-MB</b>



† Minimum clearance to remove bowl



† Minimum clearance to remove bowl

with transparent bowl



with metal bowl

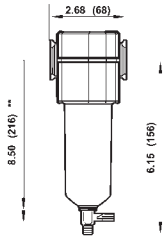
**!** FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure for regulators, 90 PSIG all others.

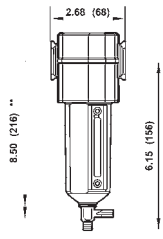
## F73 Compact Airline Filters

**Features:**

- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 4 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**



\*\* Minimum clearance required to remove bowl.



\*\* Minimum clearance required to remove bowl.

**Transparent Bowl**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	53	<b>F73G-2A</b>	<b>F73G-2M</b>
3/8"	65	<b>F73G-3A</b>	<b>F73G-3M</b>
1/2"	69	<b>F73G-4A</b>	<b>F73G-4M</b>

**Metal Bowl and Sight Glass**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	53	<b>F73G-2A-MB</b>	<b>F73G-2M-MB</b>
3/8"	65	<b>F73G-3A-MB</b>	<b>F73G-3M-MB</b>
1/2"	69	<b>F73G-4A-MB</b>	<b>F73G-4M-MB</b>



with transparent bowl



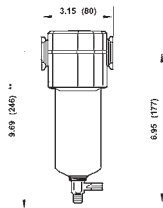
with metal bowl

Pneumatic Accessories

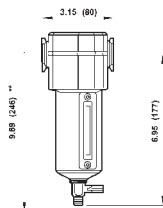
## F74 Standard Airline Filters

**Features:**

- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 7 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**



\*\* Minimum clearance required to remove bowl.



\*\* Minimum clearance required to remove bowl.

**Transparent Bowl and Guard**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	112	<b>F74G-3A</b>	<b>F74G-3M</b>
1/2"	140	<b>F74G-4A</b>	<b>F74G-4M</b>
3/4"	140	<b>F74G-6A</b>	<b>F74G-6M</b>

**Metal Bowl and Sight Glass**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	112	<b>F74G-3A-MB</b>	<b>F74G-3M-MB</b>
1/2"	140	<b>F74G-4A-MB</b>	<b>F74G-4M-MB</b>
3/4"	140	<b>F74G-6A-MB</b>	<b>F74G-6M-MB</b>



with transparent bowl



with metal bowl

See pages 422 to 427 for accessories.

FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 90 PSIG inlet pressure.

### F17 Jumbo Airline Filters

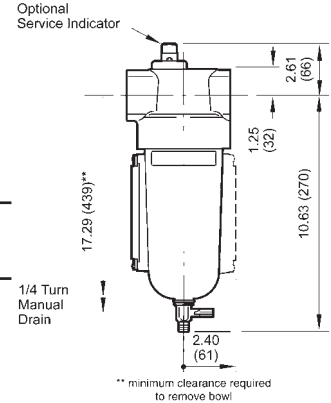
**Features:**

- general purpose with low pressure drop and excellent water removal characteristics
- 40 micron element
- 1 qt. reservoir
- inlet pressure: **250 PSI and 175°F (79°C)**



**Metal Bowl and Sight Glass**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/4"	325	<b>F17-600A</b>	<b>F17-600M</b>
1"	425	<b>F17-800A</b>	<b>F17-800M</b>
1 1/4"	425	<b>F17-A00A</b>	<b>F17-A00M</b>
1 1/2"	425	<b>F17-B00A</b>	<b>F17-B00M</b>



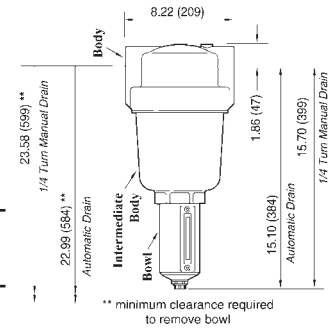
**Features:**

- 40 micron element
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- 7 oz. reservoir
- inlet pressure: **250 PSI and 175°F (79°C)**



**Metal Bowl and Sight Glass**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
2"	1400	<b>F18-C00A</b>	<b>F18-C00M</b>



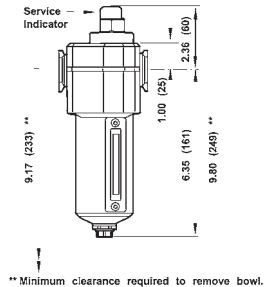
### F74 Oil Removal Filters

**Features:**

- provides air quality class 2 hydrocarbon and class 1 particulate removal per ISO 8573-1
- element removes particles down to 0.01mm. Maximum remaining oil content of air leaving the filter is 0.01 ppm at **70°F (21°C)** with an inlet concentration of 8 ppm
- For maximum service life install a general purpose filter upstream of the oil removal filter.
- service life indicator turns from green to red when element needs to be replaced
- in-line or modular installation
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure: **250 PSI and 150°F (66°C)**



Port Size	Flow (SCFM) Saturated	SCFM Dry	Automatic Drain Part #
3/8"	35	70	<b>F74C-3A-MB</b>
1/2"	35	75	<b>F74C-4A-MB</b>
1/2"	60	100	<b>F74H-4A-MB</b>
3/4"	60	120	<b>F74H-6A-MB</b>



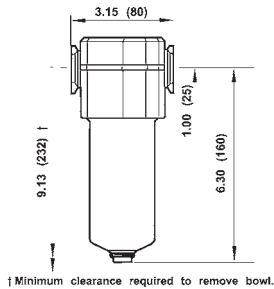
See pages 422 to 427 for accessories.

**!** FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 90 PSIG inlet pressure.

F74 **Oil Vapor Removal Filters****Features:**

- provides air quality class 1 particulate removal per ISO 8573-1, when used with the F74C series
- Filter and element designs optimizes air velocity and contact time to reduce oil content of air leaving the filter to 0.003 ppm at **70°F (21°C)**.
- For maximum service life install a general purpose filter and an oil removal filter upstream of the oil vapor removal filter.
- Minimum service life of 400 hours can be expected if the vapor removal filter is protected upstream by an oil removal (coalescing) filter and if the filtration temperature is in the region of **70° to 80°F (21° to 26°C)**. Above this range, oil vapor content of compressed air increases substantially and element service life is reduced.
- Carbon cartridge element provides long service life.
- Activated carbon cartridge filter element absorbs oil vapors and removes most hydrocarbon odors.
- in-line or modular installation
- quick-release bayonet bowl
- inlet pressure: **250 PSI and 150°F (66°C)**
- metal bowl



Port Size	Flow (SCFM)	Automatic Drain with Metal Bowl Part #
3/8"	21	<b>F74V-3A-MB</b>
1/2"	21	<b>F74V-4A-MB</b>

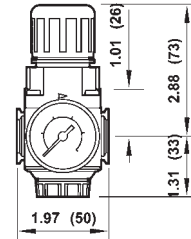
SCFM ratings at 90 PSIG inlet pressure.

## R72 Sub-Compact Regulators

**Features:**

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- two full flow 1/8" NPT gauge ports
- RG models supplied with GC620 gauge
- To order 0-60 PSI range consult Dixon®.

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/4"	70	<b>R72G-2RG</b>	<b>R72G-2R</b>
3/8"	70	<b>R72G-3RG</b>	<b>R72G-3R</b>

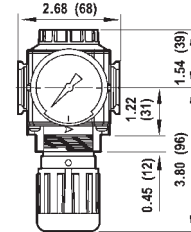


## R73 Compact Regulators

**Features:**

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- relieving type
- two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge
- To order 0-60 PSI range consult Dixon®.

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/4"	91	<b>R73G-2RG</b>	<b>R73G-2R</b>
3/8"	144	<b>R73G-3RG</b>	<b>R73G-3R</b>
1/2"	144	<b>R73G-4RG</b>	<b>R73G-4R</b>



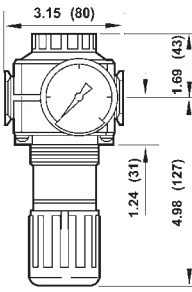
SCFM ratings given at 150 PSIG inlet pressure

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

## R74 Standard Regulators



**Features:**

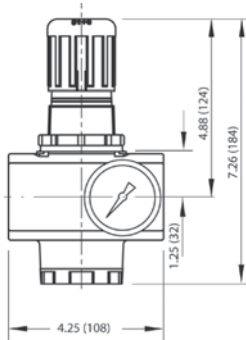
- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- relieving type
- two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge
- To order 0-60 PSI range consult Dixon®.
- in-line or modular installation

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
3/8"	208	<b>R74G-3RG</b>	<b>R74G-3R</b>
1/2"	220	<b>R74G-4RG</b>	<b>R74G-4R</b>
3/4"	220	<b>R74G-6RG</b>	<b>R74G-6R</b>



Pneumatic Accessories

## R17, R18 Jumbo Regulators

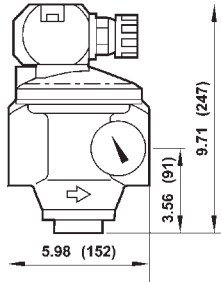


**Features:**

- pressure range 5-125 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **175°F (79°C)**
- in-line or modular installation
- relieving type
- two full-flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
3/4"	440	<b>R17-600RG</b>	<b>R17-600R</b>
1"	480	<b>R17-800RG</b>	<b>R17-800R</b>
1 1/4"	400	<b>R17-A00RG</b>	<b>R17-A00R</b>
1 1/2"	440	<b>R17-B00RG</b>	<b>R17-B00R</b>

SCFM ratings given at 150 PSIG inlet pressure



**Features:**

- 5-125 PSI range
- inlet pressure: **450 PSI**
- maximum temperature: **175°F (79°C)**
- relieving type
- two full flow 1/4" NPT gauge ports
- RG model supplied with GC230 gauge

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
2"	2000	<b>R18-C05RG</b>	<b>R18-C05R</b>

SCFM ratings given at 100 PSIG inlet pressure

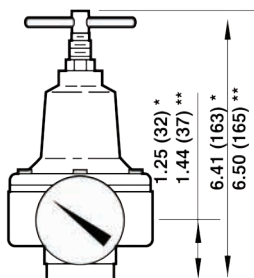


## R11 General T-Handle Regulators

Floating valve pin provides positive seating and dependability. Large diaphragm provides quick response to flow demands and line pressure changes. Balanced valve reduces inlet pressure variations on outlet pressure.

**Features:**

- pressure range 5-125 PSI
- inlet pressure: **400 PSI**
- maximum temperature: **175°F (79°)**
- T-handle adjustment
- supplied with GC620 gauge



Port Size	Flow (SCFM)	with Gauge Part #
1/4"	110	<b>R11-013RG</b>
3/8"	110	<b>R11-037RG</b>
1/2"	260	<b>R11-061RG</b>

SCFM ratings at 150 PSIG.



See pages 422 to 427 for accessories.

FRL's are designed for air service only, unless otherwise indicated.



## R72 Manifold Regulators

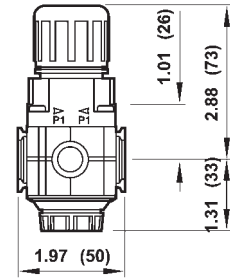
Manifold up to six regulators on a single air supply. Design allows in-line installation with hex nipple or modular installation with 72 Series accessories.

### Features:

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- RG models supplied with GC620 gauge

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
¼"	83	<b>R72M-2RG</b>	<b>R72M-2R</b>
⅜"	83	<b>R72M-3RG</b>	<b>R72M-3R</b>

SCFM ratings at 150 PSIG.



## R83 Cylinder Gas Regulator



### Applications:

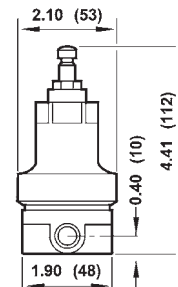
UL listed for service with Carbon Dioxide, water, pumped air, Nitrogen, Argon, Helium, Krypton, Neon and Xenon.  
*Not to be used with flammable gases.*

### Features:

- pressure range 5-125 PSI
- inlet pressure: **3000 PSI**
- maximum temperature: **140°F (60°C)**
- relieving type
- two ports for high pressure and two ports for service

Port Size	Flow (SCFM)	without Gauge Part #
¼"	10	<b>R83-200R</b>

SCFM ratings given at 1000 PSIG inlet pressure.



## R91 Miniature Water Regulator

### Application:

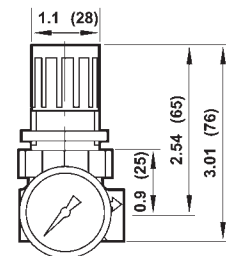
Designed for use with deionized water and potable water systems. Plastic and metal components in contact with fluid are approved by the National Sanitation Foundation (NSF) or meet Food and Drug Administration (FDA) recommendations for use in potable water systems.

### Features:

- inlet pressure: **150 PSI**
- maximum temperature: **125°F (52°C)**
- non-relieving type
- supplied with GC620 gauge
- food grade elastomers

Port Size	Flow (GPM)	with Gauge Part #
¼"	1.75	<b>R91-221RG</b>

Flow rating at 100 PSIG.



See pages 422 to 427 for accessories.

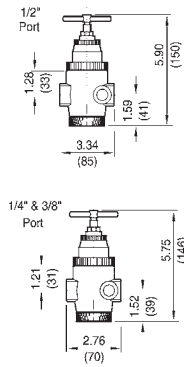
FRL's are designed for air service only, unless otherwise indicated.



## R43 Water Pressure Regulators

**Application:**

Used in water systems to reduce and maintain pressure at a nearly constant level despite changes in the inlet pressure and changes in downstream flow requirements.



**Features:**

- pressure range 5-125 PSI
- inlet pressure: **400 PSI**
- T-handle adjustment
- brass body and aluminum bonnet
- non-relieving type
- gauge port is full-flow and can be used as an outlet port
- supplied with GC230 gauge
- temperature range:
  - water service: **35° to 200°F (2°C to 93°C)**
  - air service: **-30° to 200°F (-34°C to 93°C)**

Port Size	Flow (GPM)	with Gauge Part #
1/4"	5	<b>R43-201RG</b>
3/8"	5	<b>R43-301RG</b>
1/2"	10	<b>R43-406RG</b>

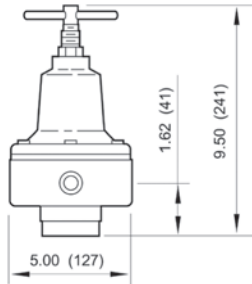


Pneumatic Accessories

## 11-009 Water Regulators

**Application:**

Balanced valve minimizes effects of the inlet pressure variations on outlet pressure.



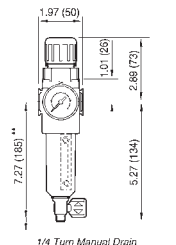
**Features:**

- inlet pressure: **400 PSI**
- T-handle adjustment
- non-relieving type
- body, valve and bottom plug are brass, bonnet is aluminum and steel
- elastomers are nitrile
- temperature range:
  - water service: **35° to 200°F (2° to 93°C)**
  - air service: **-30° to 200°F (-34° to 93°C)**

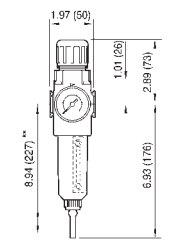
Port Size	Flow (GPM)	without Gauge Part #
3/4"	27.5	<b>11-009-065</b>
1"	27.5	<b>11-009-081</b>



## B72 Sub-Compact Filter / Regulators



\*\* minimum clearance required to remove bowl



\*\* minimum clearance required to remove 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
- 2 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- supplied with GC620 gauge
- inlet pressure:
  - transparent bowl: **150 PSI and 125°F (52°C)**
  - metal bowl: **250 PSI and 150°F (66°C)**

### Transparent Bowl

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	80	<b>B72G-2AG</b>	<b>B72G-2MG</b>

### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	80	<b>B72G-2AG-MB</b>	<b>B72G-2MG-MB</b>
3/8"		<b>B72G-3AG-MB</b>	<b>B72G-3MG-MB</b>



with transparent bowl



with metal bowl

See pages 422 to 427 for accessories.

FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 150 PSIG inlet pressure.

## B73 Compact Filters / Regulators



with transparent bowl



with metal bowl

**Features:**

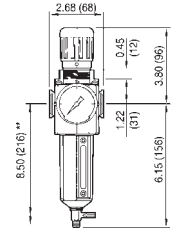
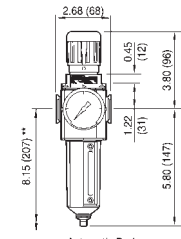
- particle removal per ISO 8573-1, Class 5 and Class 3
- pressure range 5-150 PSI
- in-line or modular installation
- 40 micron element
- 3.5 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- supplied with GC230 gauge
- inlet pressure:
  - transparent bowl: **150 PSI and 125°F (52°C)**
  - metal bowl: **250 PSI and 175°F (79°C)**

**Transparent Bowl**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	78	<b>B73G-2AG</b>	<b>B73G-2MG</b>
3/8"	123	<b>B73G-3AG</b>	<b>B73G-3MG</b>
1/2"	123	<b>B73G-4AG</b>	<b>B73G-4MG</b>

**Metal Bowl and Sight Glass**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	78	<b>B73G-2AG-MB</b>	<b>B73G-2MG-MB</b>
3/8"	123	<b>B73G-3AG-MB</b>	<b>B73G-3MG-MB</b>
1/2"	123	<b>B73G-4AG-MB</b>	<b>B73G-4MG-MB</b>

1/4 Turn Manual Drain  
\*\* minimum clearance required to remove bowlAutomatic Drain  
\*\* minimum clearance required to remove bowl

## B74 Standard Filters / Regulators



with guard



with metal bowl

**Features:**

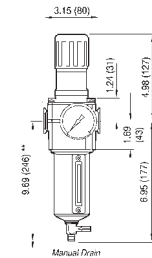
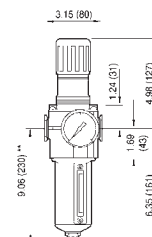
- pressure range 5-150 PSI
- 40 micron element
- 7 oz. reservoir
- relieving type
- supplied with GC230 gauge
- inlet pressure:
  - transparent bowl: **5-150 PSI and 125°F (52°C)**
  - metal bowl: **5-150 PSI and 175°F (79°C)**

**Transparent Bowl and Guard**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/2"	212	<b>B74G-4AG</b>	<b>B74G-4MG</b>
3/4"	212	<b>B74G-6AG</b>	<b>B74G-6MG</b>

**Metal Bowl and Sight Glass**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	163	<b>B74G-3AG-MB</b>	<b>B74G-3MG-MB</b>
1/2"	212	<b>B74G-4AG-MB</b>	<b>B74G-4MG-MB</b>
3/4"	212	<b>B74G-6AG-MB</b>	<b>B74G-6MG-MB</b>

Manual Drain  
\*\* minimum clearance required to remove bowlAutomatic Drain  
\*\* minimum clearance required to remove bowl

See pages 422 to 427 for accessories.



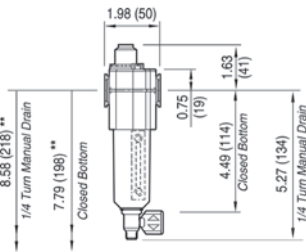
FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 150 PSIG inlet pressure.

## L72 Sub-Compact Micro-Fog Lubricators

**Application:**

- Micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders and multiple or single tools.
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the reservoir.
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.
- Micro-fog lubricators cannot be filled under pressure.



\*\* minimum clearance required to remove bowl

**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 Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	51	<b>L72M-2</b>	<b>L72M-2MB</b>

SCFM ratings given at 90 PSIG inlet pressure.

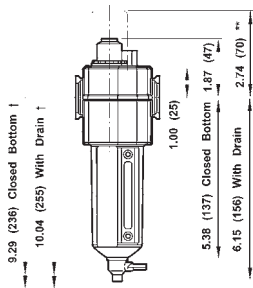


with transparent bowl

## L73 Compact Micro-Fog Lubricators

**Features:**

- 4 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
  - transparent bowl: **150 PSI and 125°F (52°C)**
  - metal bowl: **250 PSI and 175°F (79°C)**



Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	70	<b>L73M-2</b>	<b>L73M-2MB</b>
3/8"	70	<b>L73M-3</b>	<b>L73M-3MB</b>
1/2"	70	<b>L73M-4</b>	<b>L73M-4MB</b>

SCFM ratings given at 90 PSIG inlet pressure.



with transparent bowl

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

**Applications:**

- Micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders and multiple or single tools.
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the reservoir.
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.



- *Micro-fog lubricators cannot be filled under pressure.*

**L74 Standard Micro-Fog Lubricators**

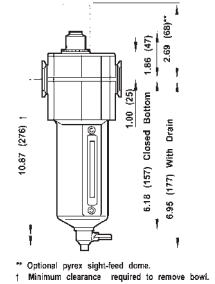
**Features:**

- 7 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**



Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/8"	114	<b>L74M-3</b>	<b>L74M-3MB</b>
1/2"	154	<b>L74M-4</b>	<b>L74M-4MB</b>
3/4"	142	<b>L74M-6</b>	<b>L74M-6MB</b>

SCFM ratings given at 90 PSIG inlet pressure.



**L17 Jumbo Micro-Fog Lubricators**

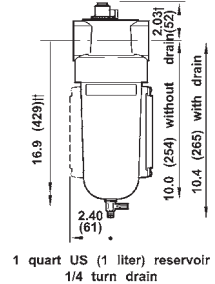
**Features:**

- 1 qt. reservoir
- oil level sight gauge
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/4"	160	<b>L17-600A</b>
1"	275	<b>L17-800A</b>
1 1/4"	275	<b>L17-A00A</b>
1 1/2"	275	<b>L17-B00A</b>

SCFM ratings given at 90 PSIG inlet pressure.



**10-076 Jumbo General Purpose Oil-Fog Lubricators**

**Features:**

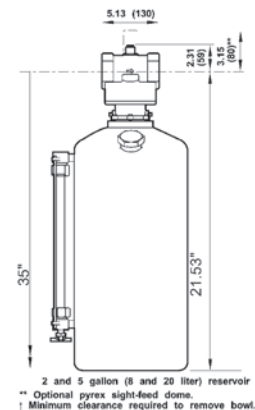
- 2 gallon reservoir
- oil flow can be positively set
- reservoir is ASME constructed
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**
- oil level sight gauge



Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
2"	1000	<b>10-076-004</b>

See pages 422 to 427 for accessories.  
See page 367 for air tool lubricant.

SCFM ratings given at 100 PSIG inlet pressure.



FRL's are designed for air service only, unless otherwise indicated.

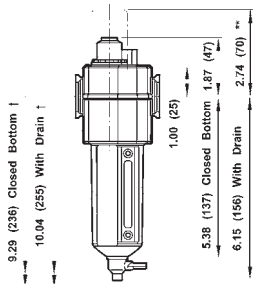
## Micro-Fog Lubricator with Pyrex Sight Feed Dome

### Application:

- Designed for use with alcohol or other anti-freeze agents when units are installed in cold temperature environments.
- Micro-fog lubricators are used for applications containing one or more points of lubrication, cylinders and multiple or single tools.
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the reservoir.

### Features:

- high pressure sight feed dome with aluminum case and fluorocarbon O-rings and seals; high pressure sight glass on bowls and metal petcock drain
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.
- *Micro-fog lubricators cannot be filled under pressure.*



### 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)**

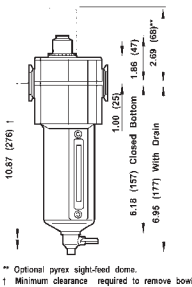
Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/8"	60	<b>L73M-3MBPX</b>
1/2"	60	<b>L73M-4MBPX</b>



### Standard

### Features:

- 7 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



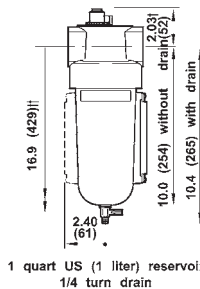
Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/8"	114	<b>L74M-3MBPX</b>
1/2"	154	<b>L74M-4MBPX</b>
3/4"	142	<b>L74M-6MBPX</b>



### Jumbo

### Features:

- 1 qt. reservoir
- oil level sight gauge
- particle removal per ISO 8573-1, class 5 and class 3
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
1"	275	<b>L17-800APX</b>



See pages 422 to 427 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.

## L74 Standard Oil-Fog Lubricators

**Applications:**

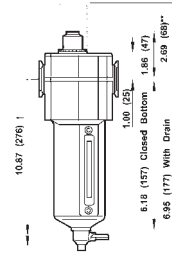
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as near the device as possible.

**Features:**

- all the oil visible dropping through the transparent sight-feed dome goes to the airstream
- L72C, L73C and L74C OIL-FOG lubricators can be filled under pressure
- in-line or modular installation
- quick release bayonet bowl
- can be filled under pressure
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- 7 oz. reservoir



metal bowl



\*\* Optional pyrex sight-feed dome.  
† Minimum clearance required to remove bowl.

Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/8"	118	<b>L74C-3</b>	<b>L74C-3MB</b>
1/2"	192	<b>L74C-4</b>	<b>L74C-4MB</b>
3/4"	186	<b>L74C-6</b>	<b>L74C-6MB</b>

## L17 Jumbo Oil-Fog Lubricators

**Application:**

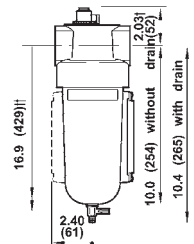
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as close to the device as possible.

**Features:**

- 1 qt. reservoir
- oil level sight gauge
- All the oil visible dropping through the transparent sight-feed dome goes to the airstream.
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F(79°C)**



metal bowl



1 quart US (1 liter) reservoir  
1/4 turn drain

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/4"	160	<b>L17-600D</b>
1"	275	<b>L17-800D</b>
1 1/2"	275	<b>L17-B00D</b>

See pages 422 to 427 for accessories.  
See page 367 for air tool lubricant.



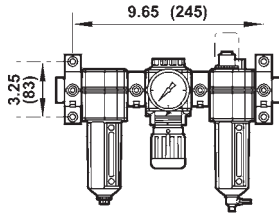
FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.

## E73 Compact Combination Units

**Features:**

- 5-150 PSI range
- 4 oz. reservoir
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- supplied with a G230 gauge
- connected modularly
- Includes 2 clamps and wall mounting brackets # 4314-52, 2 clamps # 4314-51 and 2 NPT pipe adapters #4315-01.



metal bowls

Pneumatic Accessories

### Transparent Bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	70	<b>E73-2A</b>	<b>E73-2M</b>
3/8"	70	<b>E73-3A</b>	<b>E73-3M</b>
1/2"	70	<b>E73-4A</b>	<b>E73-4M</b>

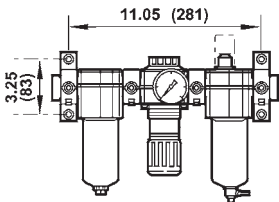
### Metal Bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	70	<b>E73-3A-MB</b>	<b>E73-3M-MB</b>
1/2"	70	<b>E73-4A-MB</b>	<b>E73-4M-MB</b>

## 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 with guard

### Transparent Bowl and Guard

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/2"	150	<b>E74-4A</b>	<b>E74-4M</b>
3/4"	140	<b>E74-6A</b>	<b>E74-6M</b>

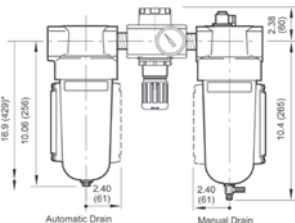
### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	110	<b>E74-3A-MB</b>	<b>E74-3M-MB</b>
1/2"	150	<b>E74-4A-MB</b>	<b>E74-4M-MB</b>
3/4"	140	<b>E74-6A-MB</b>	<b>E74-6M-MB</b>

## P8A Jumbo Combination Units

**Features:**

- pressure range 5-125 PSI
- 1 qt. reservoir
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



\* Minimum clearance required to remove bowl.



with metal bowls

### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1"	275	<b>P8A-860A</b>	<b>P8A-860M</b>

SCFM ratings given at 90 PSIG inlet pressure.

FRL's are designed for air service only, unless otherwise indicated.



## 17-016 Drip Leg Automatic Drain

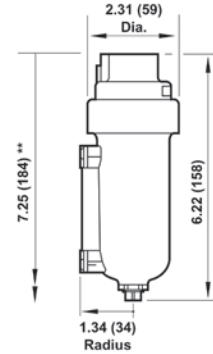
### Application:

- 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 1/8" NPT
- inlet pressure: **250 PSIG**
- maximum temperature: **175°F (79°C)**

Port Size	Part #
1/2"	<b>17-016-107</b>



\*\* Minimum clearance to remove bowl.

## Filter Elements



5 micron element  
5925-03

Used On	Description	Part #
F07	5 micron	<b>3652-11</b>
F08	5 micron 40 micron	<b>3161-16</b> <b>3161-18</b>
F17	5 micron bronze 25 micron bronze 40 micron bronze	<b>5311-01</b> <b>5311-02</b> <b>5311-03</b>
F18	5 micron bronze 25 micron bronze 50 micron bronze	<b>5882-11</b> <b>5882-12</b> <b>5882-13</b>
F72	5 micron 40 micron	<b>5925-03</b> <b>5925-02</b>
F73	5 micron 40 micron	<b>4438-01</b> <b>4438-03</b>
F74	5 micron 40 micron	<b>4338-04</b> <b>4338-05</b>

## 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	<b>3646-51</b> <b>3646-53</b>
F08	transparent bowl with manual drain	<b>3776-50</b>
F17	metal bowl with petcock drain	<b>5390-77</b>
F72	transparent bowl with manual drain transparent bowl with semi-automatic drain	<b>4266-50RF</b> <b>4266-52RF</b>
F73	transparent bowl with manual drain, 1/4 turn transparent bowl with auto drain	<b>4425-50RF</b> <b>4425-51RF</b>
F74	plastic bowl assembly with guard and 1/4 turn manual drain plastic bowl assembly with guard and automatic drain	<b>4325-51R</b> <b>4325-52R</b>



### Filter Drains

Used On	Description	Part #
F17,F74	auto drain	<b>3000-10</b>
	manual drain	<b>619-50</b>
	manual drain assembly	<b>2796-52</b>
F72,F73	auto drain	<b>4000-51R</b>
F72,F73 F74	manual drain	<b>619-50</b>



Pneumatic  
Accessories

### Filter Lens Kits

Used On	Description	Part #
F72	liquid level lens kit	<b>4380-020</b>
F73	liquid level lens kit	<b>4380-030</b>
F74	high pressure dome sight glass kit	<b>4380-051</b>



### Filter Indicator Conversion Kit

**Features:**

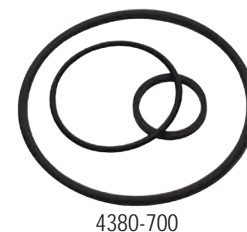
- allows addition of service life indicator in the field
- for general purpose and oil removal filters

Used On	Description	Part #
F72,F73,F74	service life indicator	<b>5797-50</b>



### Filter Service Kit

Used On	Description	Part #
F17	O-rings, seals, and gaskets	<b>5578-05</b>
F18		<b>5945-50</b>
F73		<b>4380-600</b>
F74		<b>4380-700</b>



### Filter Oil / Vapor Removal Filters

Used On	Description	Part #
F74C	oil removal filter	<b>4344-01</b>
F74H	oil removal filter	<b>4344-02</b>
F74V	vapor removal filter	<b>4341-01</b>



### Regulator Springs



4432-02

Used On	Pressure Ratings	Part #
R74	5-60 PSI 5-150 PSI	<b>4332-01</b> <b>4332-02</b>

### Tamper Resistant Covers

**Features:**

- helps prevent unauthorized pressure adjustment setting
- cover can be locked in place with up to four padlocks
- installs on adjusting knob



Used On	Description	Part #
R72	tamper resistant cover with seal wire	<b>4255-51</b>
R73	tamper resistant cover with seal wire	<b>4455-51</b>
R74	tamper resistant cover with seal wire	<b>4355-51</b>

### Regulator Panel Nuts



panel nut

Used On	Description	Part #
R07	plastic panel nut	<b>2962-89</b>
R08	plastic panel nut	<b>5191-89</b>
R17	metal panel nut	<b>5226-97</b>
R72	plastic panel nut	<b>4248-89</b>
R73	zinc panel nut	<b>5191-88</b>
R74	zinc panel nut	<b>4348-89</b>

### Regulator Diaphragm Relieving Kits



3407-02



4381-700

Used On	Description	Part #
R07	diaphragm, relieving	<b>3407-02</b>
R08		<b>5298-14</b>
R11		<b>529-03</b>
R17		<b>5578-02</b>
R72		<b>4381-500</b>
R73		<b>4381-600</b>
R74		<b>4381-700</b>

## Lubricator Bowl / Bowl Guards

Used On	Description	Part #
L07	polycarbonate bowl with manual drain	<b>3646-54</b>
L73	transparent bowl with manual drain	<b>4425-50RL</b>
L74	metal bowl with liquid level indicator and ¼ turn manual drain	<b>4303-77R</b>
	transparent bowl with manual drain	<b>4325-50R</b>



3646-54

## Seal Wire

## Features:

- provides tamper resistant protection of the lubricator drip rate setting

Used On	Description	Part #
L73, L74	metal wire	<b>2117-01</b>



seal wire

## Domes, Caps and Plugs

Used On	Description	Part #
L08	quick fill cap	<b>18-011-024</b>
L17, L74	quick fill cap	<b>18-011-021</b>
L73, L74	aluminum fill plug	<b>5301-55</b>
L17, L72, L73, L74	sight feed dome (micro-fogging design)	<b>4055-50</b>
L72, L74	sight feed dome (oil-fogging design)	<b>4055-51</b>
L74	high pressure sight feed dome	<b>5605-50</b>
	liquid level indicator repair kit	<b>4380-050</b>



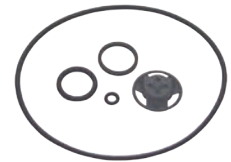
18-011-021



5605-50

## Lubricator Seal Kits

Used On	Description	Part #
L17	O-rings, seals, and gaskets	<b>5771-02</b>
L73		<b>4382-600</b>
L74		<b>4382-700</b>



5771-02

## Quick Clamps and Brackets

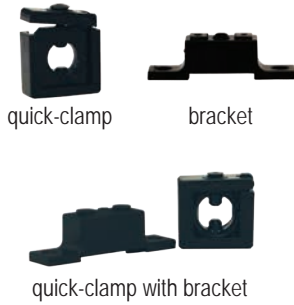
### Features:

#### Quick-clamp

- provides modular installation capability
- flanges designated to slide into V grooves in clamp
- face-sealing O-rings provide a positive seal when clamp is closed and screw tightened

#### Bracket for quick-clamp

- provides secure mounting to a wall, machine panel or other flat surface



Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72	quick-clamp	<b>4214-51</b>
F72	quick-clamp service kit (2 O-rings)	<b>4384-570</b>
R72	quick-clamp and bracket assembly	<b>4214-52</b>
F73, F74, R73, R74, L72, L73	quick-clamp	<b>4314-51</b>
	quick-clamp service kit (2 O-rings)	<b>4384-770</b>
	wall bracket for quick-clamp (uses 7/32" screws)	<b>4313-50</b>
	quick-clamp and bracket assembly	<b>4314-52</b>

## Blocks

### Features:

- installed with quick-clamps
- provides additional outlets and manifolding capability



Used On Filter/ Regulator/ Lubricator Series	Description	Part #
F73, F74, R73, R74, L73, L74	porting block, three 1/4" PTF outlets	<b>4316-50</b>
	manifold block, three 3/4" PTF outlets	<b>4328-50</b>

## Pipe Adapters

### Features:

- installed with quick-clamps
- provides PTF connections to system piping
- sold individually



Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72, F72, R72	1/4" PTF connections	<b>4215-02</b>
	3/8" PTF connections	<b>4215-03</b>
F73, F74, R73, R74, L73, L74	1/4" PTF connections	<b>4315-01</b>
	3/8" PTF connections	<b>4315-02</b>
	1/2" PTF connections	<b>4315-03</b>
	3/4" PTF connections	<b>4315-04</b>

- Used on Filters / Regulators / Lubricator series

## Mounting Brackets

Used On	Description	Part #
F07	mounting bracket only	<b>5939-06</b>
L07	mounting bracket only	<b>5095-17</b>
F17, L17	mounting bracket kit for ¾" and 1" ported units	<b>6212-50</b>



## 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	<b>4224-50</b>
L73, F73, R72	wall mounting bracket for all F73 series	<b>4424-50</b>
L74, F74, R74	wall mounting bracket for all F74 series	<b>4324-50</b>



## Regulator Mounting Brackets

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
B07, R07	mounting bracket with plastic panel nut	<b>18-025-003</b>
B08, R08		<b>5203-06</b>
R17		<b>5570-04</b>



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)**



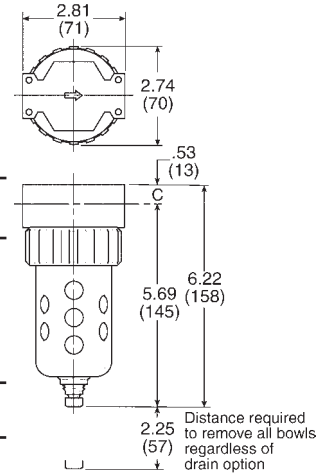
Polycarbonate bowl with guard

Polycarbonate Bowl with Metal Bowl Guard

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
¼"	53	<b>F602-02BJR</b>	<b>F602-02BJ</b>
⅜"	80	<b>F602-03BJR</b>	<b>F602-03BJ</b>
½"	85	<b>F602-04BJR</b>	<b>F602-04BJ</b>

Zinc Bowl with Sight Glass

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
¼"	53	<b>F602-028A</b>	<b>F602-024A</b>
⅜"	80	<b>F602-038A</b>	<b>F602-034A</b>
½"	85	<b>F602-048A</b>	<b>F602-044A</b>



SCFM ratings given at 90 PSIG inlet pressure.

F602 Hi-Flow

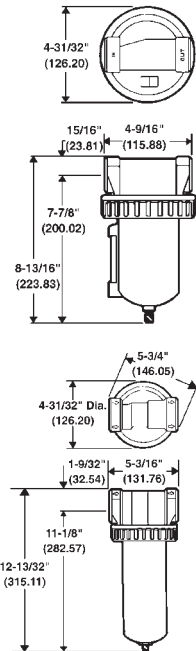
Features:

- 40 micron polypropylene element
- automatic drain operating conditions:
  - temperature range: **40°F (4°C) to 120°F (49°C)**
  - maximum operating: **175 PSIG (12 bar)**
- manual drain operating conditions:
  - temperature range: **40°F (4°C) to 150°F (66°C)**
  - maximum operating: **250 PSIG (17 bar)**



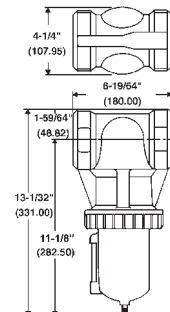
Zinc Body with Sight Glass and 16" Bowl

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
¾"	270	<b>F602-06WJR</b>	<b>F602-06WJ</b>
1"	300	<b>F602-08WJR</b>	<b>F602-08WJ</b>
1½"	450	<b>F602-12WJR</b>	<b>F602-12WJ</b>



Aluminum Body with 26" Bowl

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
2"	1200	<b>F602-16WJR</b>	<b>F602-16WJ</b>



See pages 433 to 434 for accessories.

**!** FRL's are designed for air service only, unless otherwise indicated.

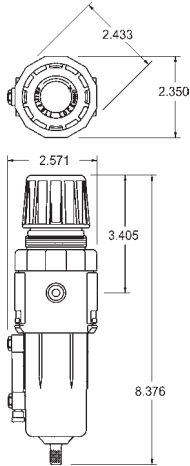
SCFM ratings given at 90 PSIG inlet pressure.

## Watts Filters/Regulators

## B11 Compact

## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- temperature range: **40°F (4°C) to 120°F (49°C)**
- 40 micron filter
- 4 oz. bowl
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- glass-filled acetal plastic spring cage
- tamper resistant, snap lock, removable knobs
- uses a GC230 gauge (not supplied)



Size	Flow (SCFM)	Automatic Drain	Manual Drain
		Part #	Part #
1/4"	60	<b>B11-02WJCR</b>	<b>B11-02WJC</b>
3/8"	70	<b>B11-03WJCR</b>	<b>B11-03WJC</b>
1/2"	80	<b>B11-04WJCR</b>	<b>B11-04WJC</b>

SCFM ratings given at 100 PSIG inlet pressure.



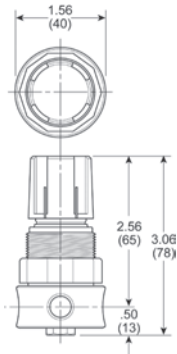
Pneumatic  
Accessories

## Watts Regulators

## R643 Miniature

## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- relieving type
- diaphragm operated
- non-rising adjusting knob
- 1/8" gauge port



Size	Flow (SCFM)	Body Material	With Gauge	Without Gauge
			Part #	Part #
1/4"	10	brass	<b>R364-02CG</b>	<b>R364-02C</b>
		aluminum	<b>R374-02CG</b>	<b>R374-02C</b>

SCFM ratings given at 100 PSIG inlet pressure.



See pages 433 to 434 for accessories.

⚠ FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 100 PSIG inlet pressure.

## Watts Regulators



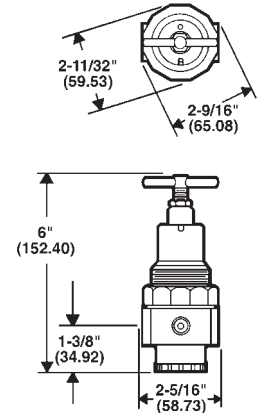
## R11 Compact

## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- t-handle design
- uses a GC230 gauge

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/4"	80	<b>R11-02CG</b>	<b>R11-02C</b>
3/8"	80	<b>R11-03CG</b>	<b>R11-03C</b>
1/2"	100	<b>R11-04CG</b>	<b>R11-04C</b>

SCFM ratings given at 100 PSIG inlet pressure.



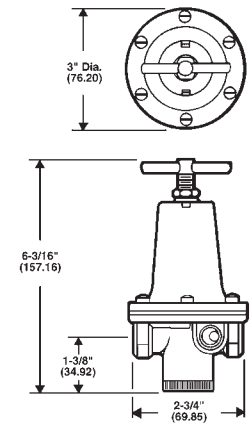
## R119 Standard

## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- t-handle design
- brass bottom plug
- aluminum spring cage
- uses a GC230 gauge

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/4"	100	<b>R119-02CG</b>	<b>R119-02C</b>
3/8"	110	<b>R119-03CG</b>	<b>R119-03C</b>
1/2"	150	<b>R119-04CG</b>	<b>R119-04C</b>

SCFM ratings given at 100 PSIG inlet pressure.



## R119 High-Flow

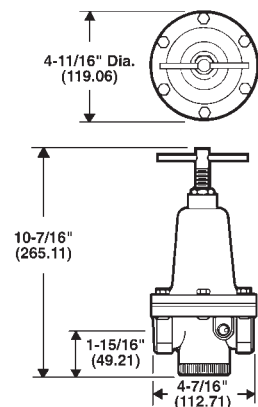
## Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- t-handle design
- acetal bottom plug
- aluminum spring cage
- uses a GC230 gauge

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
3/4"	300	<b>R119-06CG</b>	<b>R119-06C</b>
1"	400	<b>R119-08CG</b>	<b>R119-08C</b>
1 1/2"	500	<b>R119-12CG</b>	<b>R119-12C</b>

SCFM ratings given at 100 PSIG inlet pressure.

See pages 433 to 434 for accessories.



FRL's are designed for air service only, unless otherwise indicated.



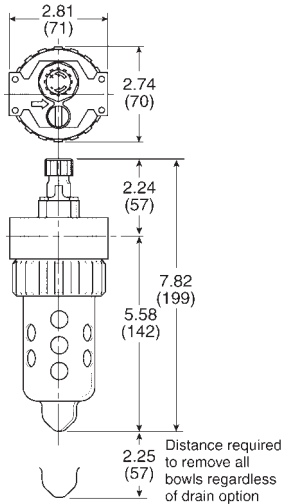
## Watts Lubricators

### General Features:

- general purpose use
- high performance over a very wide flow range

Pneumatic  
Accessories

### L606 Compact



### Features:

- 2.6 oz. bowl
- zinc body
- micromist
- maximum operating conditions:
  - temperature range: **40°F (4°C) to 125°F (52°C)**
  - maximum operating pressure: **150 PSIG (10.2 bar)**

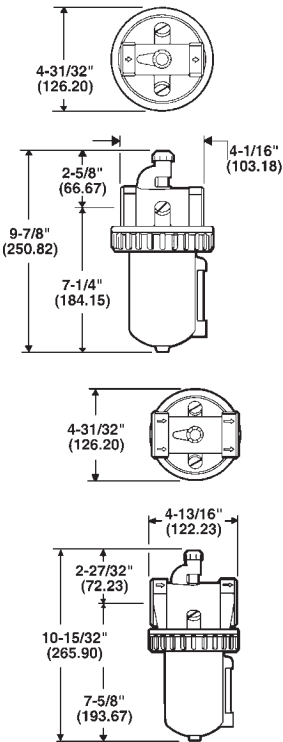
Size	Flow (SCFM)	Polycarbonate Bowl with Metal Bowl Guard Part #	Zinc Bowl Sight Glass with Twist Drain Part #
1/4"	40	<b>L606-02B</b>	<b>L606-024B</b>
3/8"	60	<b>L606-03B</b>	<b>L606-034B</b>
1/2"	90	<b>L606-04B</b>	<b>L606-044B</b>



Polycarbonate bowl with guard

SCFM ratings given at 90 PSIG inlet pressure.

### L606 Standard



### Features:

- 16 oz. bowl
- zinc body
- maximum operating conditions:
  - temperature range: **40°F (4°C) to 150°F (66°C)**
  - maximum operating pressure: **250 PSIG (17 bar)**
- 3/4", 1" and 1 1/2" are fillable while under pressure

Size	Flow (SCFM)	Zinc Bowl with Sight Glass Part #
3/4"	325	<b>L606-06W</b>
1"	350	<b>L606-08W</b>
1 1/2"	400	<b>L606-12W</b>



L606-12W

See pages 433 to 434 for accessories.  
See page 367 for air tool lubricant.

FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.

## Watts Combination Units

## C11 Compact

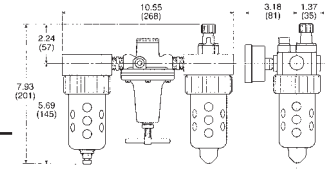
## Features:

- 4.5 oz. bowl
- 40 micron polypropylene element
- zinc body
- maximum operating conditions:
  - temperature range: **40°F to 120°F (4°C to 49°C)**
  - maximum operating pressure: **150 PSIG (10.2 bar)**

## Polycarbonate Bowl with Metal Bowl Guard

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
¼"	40	<b>C11-02A</b>	<b>C11-02M</b>
⅜"	60	<b>C11-03A</b>	<b>C11-03M</b>
½"	85	<b>C119-04A</b>	<b>C119-04M</b>

SCFM ratings given at 90 PSIG inlet pressure.

Pneumatic  
Accessories

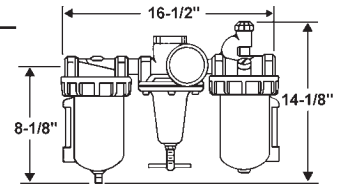
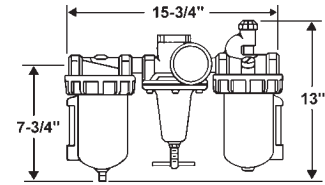
## C119 Standard

## Features:

- 16 oz. bowl
- 40 micron polypropylene element
- zinc body
- maximum operating conditions:
  - temperature range: **40°F to 150°F (4°C to 66°C)**
  - maximum operating pressure: **250 PSIG (17 bar)**

## Zinc Bowl with Sight Glass

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
¾"	275	<b>C119-06AMB</b>	<b>C119-06MMB</b>
1"	320	<b>C119-08AMB</b>	<b>C119-08MMB</b>
1½"	550	<b>C119-12AMB</b>	<b>C119-12MMB</b>



⚠ FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.

Watts Kits & Accessories

Filter Elements

Used On	Description	Part #
F602-02, F602-03, F602-04	40 micron	<b>PS701</b>
F602-06, F602-08, F602-12	5 micron	<b>EK602VB</b>
F602-06, F602-08, F602-12	40 micron	<b>EK602B</b>
F602-16	40 micron	<b>EK602G</b>



Pneumatic  
Accessories

Bowl with Twist Drain

Used On	Description	Part #
F602-02 F602-03 F602-04	polycarbonate bowl with twist drain	<b>PS732</b>



Filter Drains

Used On	Description	Part #
F602, F602-03, F602-04	auto float drain	<b>PS506</b>
	twist drain	<b>PS512</b>



PS512

## Watts Kits &amp; Accessories

Pneumatic  
Accessories

## Regulator Repair Kits

Used On	Description	Part #
R11	relieving diaphragm, valve assembly	<b>RKR10Y</b>
R119-02		<b>RK119Y</b>
R119-03		<b>RK119A</b>
R119-04		<b>RK119B</b>
R119-06		<b>RK119D</b>
R119-08		<b>RKR164Y</b>
R119-12		
R364-02		

## Lubricant Repair Kit



Used On	Description	Part #
L606-06 L606-08 L606-12	sight glass	<b>RKB605WB</b>

## Lubricator Mounting Brackets

Used On	Description	Part #
L606-02, F602-02, L606-03, F602-03, L606-04, F602-04	mounting bracket	<b>PS743</b>
F602 3/4", L606-06, F602-06	mounting bracket (2 required)	<b>SA200AW57</b>
F602 1", L606-08, F602-08	mounting bracket (2 required)	<b>SA200CW57</b>



## Regulator Mounting Brackets



SA15Y57



SA15Y57

Used On	Description	Part #
R11, B11	mounting bracket with panel nut	<b>SAR10Y57</b>
R119-02 R119-03	mounting bracket	<b>SA15Y57</b>
R119-04	mounting bracket	<b>18A57</b>
R119-06 R119-08 R119-12	mounting bracket	<b>18B57</b>
R364-02	mounting bracket with panel nut	<b>SA161X57</b>

## Dixon® Gauges

### Applications:

- All of the gauges supplied by Dixon® are designed for long, reliable service under rugged conditions. Typical applications include those on pumps, hydraulic and pneumatic systems, compressors, machine tools and many other installations where it is necessary to have a gauge with a non-corrosive movement. The gauges available include standard dry and liquid-filled pressure gauges, compound pressure gauges, vacuum gauges and welding gauges. Materials available include brass, stainless steel and plastic.

**Fig. Inter.** - Figure Interval. (Increments between PSI numbers on gauge face.)

**Grad. Inter.** - Graduation Interval. (Fractional increments between PSI numbers on gauge face.)

### ABS Standard Dry Gauges

#### Features:

- ASME B40.1, Grade B ( $\pm 3-2-3\%$  accuracy)
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration and pulsation.
- ABS plastic case, corrosion resistant
- c-shaped bronze safety bourdon tube (600 PSI and lower)
- helical wound bronze safety bourdon tube (1000 PSI and higher)
- polycarbonate window
- black aluminum pointer
- ambient temperature range: **-40°F to 150°F (-40°C to 66°C)**

#### Center Back Mounts

PSI Range	Fig. Inter.	Minor Grad.	1½" Face ¼" Center Back Mount Part #	2" Face ¼" Center Back Mount Part #
0-15	1	.5	---	<b>GC200</b>
0-30	5	.5	<b>GC605</b>	<b>GC215</b>
0-60	5	1	<b>GC610</b>	<b>GC220</b>
0-100	10	2	<b>GC615</b>	<b>GC225</b>
0-160	20	5	<b>GC620</b>	<b>GC230</b>
0-200	20	5	<b>GC625</b>	<b>GC235</b>
0-300	30	5	---	<b>GC240</b>



GC230



#### Lower Mounts

PSI Range	Fig. Inter.	Minor Grad.	2" face, ¼" lower mount Part #	2½" face ¼" lower mount Part #	3½" face ¼" lower mount Part #
0-15	1	.5	<b>GL100</b>	<b>GL300</b>	<b>GS15-4</b>
0-30	5	.5	<b>GL115</b>	<b>GL320</b>	<b>GS30-4</b>
0-60	5	1	<b>GL120</b>	<b>GL325</b>	<b>GS60-4</b>
0-100	10	2	<b>GL125</b>	<b>GL330</b>	<b>GS100-4</b>
0-160	20	5	<b>GL130</b>	<b>GL335</b>	<b>GS160-4</b>
0-200	20	5	<b>GL135</b>	<b>GL340</b>	<b>GS200-4</b>
0-300	30	5	<b>GL140</b>	<b>GL345</b>	<b>GS300-4</b>
0-400	50	10	---	<b>GL347</b>	<b>GS400-4</b>
0-600	50	10	---	<b>GL350</b>	<b>GS600-4</b>
0-1000	200	20	---	<b>GL355</b>	<b>GS1000-4</b>
0-1500	300	50	---	<b>GL360</b>	---
0-2000	400	50	---	<b>GL365</b>	---
0-3000	500	100	---	<b>GL370</b>	---
0-5000	1000	100	---	<b>GL375</b>	---



GL140

## Stainless Steel Dry Gauges

**Applications:**

- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

**Features:**

- $\pm 2-1-2\%$  accuracy
- 304 stainless steel case and crimp ring
- polycarbonate window
- $\frac{1}{4}$ " NPT lower mount stainless connector
- 316 stainless bourdon tube and socket
- ambient temperature range:  $-40^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )



GSS100

PSI Range	Fig. Inter.	Minor Grad.	2 1/2" Face 1/4" Lower Mount Part #
0-15	3	.2	<b>GSS15</b>
0-30	5	.5	<b>GSS30</b>
0-60	10	1	<b>GSS60</b>
0-100	20	2	<b>GSS100</b>
0-160	20	2	<b>GSS160</b>
0-200	50	5	<b>GSS200</b>
0-300	50	5	<b>GSS300</b>
0-400	100	10	<b>GSS400</b>
0-600	100	10	<b>GSS600</b>
0-1000	200	20	<b>GSS1000</b>
0-1500	300	20	<b>GSS1500</b>
0-2000	500	50	<b>GSS2000</b>
0-3000	500	50	<b>GSS3000</b>
0-5000	1000	100	<b>GSS5000</b>
0-10000	2000	200	<b>GSS10000</b>

**Features:**

- 1.6% accuracy, exceeds ASME B.40.100 Grade B
- 304 series stainless case
- polycarbonate window,  $3\frac{1}{2}$ " across
- $\frac{1}{4}$ " NPT lower mount stainless connector
- 316L stainless bourdon tube and socket, polyester segment
- temperature range:  $-40^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )



GSS160-4

PSI Range	Fig. Inter.	Minor Grad.	4" Face 1/4" Lower Mount Part #
0-15	3	.5	<b>GSS15-4</b>
0-30	5	.5	<b>GSS30-4</b>
0-60	10	1	<b>GSS60-4</b>
0-100	20	2	<b>GSS100-4</b>
0-160	20	2	<b>GSS160-4</b>
0-200	40	5	<b>GSS200-4</b>
0-300	50	5	<b>GSS300-4</b>
0-400	50	10	<b>GSS400-4</b>
0-600	100	10	<b>GSS600-4</b>
0-1000	200	10	<b>GSS1000-4</b>
0-1500	200	20	<b>GSS1500-4</b>
0-3000	500	50	<b>GSS3000-4</b>
0-5000	1000	100	<b>GSS5000-4</b>
0-10000	2000	200	<b>GSS10000-4</b>

## Brass Standard Dry Gauges

## Features:

- ASME B40.100 Grade B ( $\pm 3/2/3\%$  accuracy)
- polished brass case and ring
- copper alloy bourdon tube
- dual PSI / kPa scale dial
- temperature range **-40°F to 140°F (-40°C to 60°C)**

PSI Range	Fig. Inter.	Grad. Inter.	2½" Face ¼" Lower Mount Part #
0-15	3	.2	<b>GBR15</b>
0-30	5	.5	<b>GBR30</b>
0-60	10	1	<b>GBR60</b>
0-100	20	2	<b>GBR100</b>
0-160	20	2	<b>GBR160</b>
0-200	50	5	<b>GBR200</b>
0-300	50	5	<b>GBR300</b>
0-400	100	10	<b>GBR400</b>
0-600	100	10	<b>GBR600</b>
0-1000	200	20	<b>GBR1000</b>
0-1500	300	20	<b>GBR1500</b>
0-2000	500	50	<b>GBR2000</b>
0-3000	500	50	<b>GBR3000</b>
0-5000	1000	100	<b>GBR5000</b>

Pneumatic  
Accessories

## Process Gauges

## Applications:

- Specifically designed for process, chemical and petroleum industries. Process gauges are engineered to deliver years of accurate service while withstanding vibration, corrosive media and corrosive atmosphere.

## Features:

- temperature range: dry **-40°F to 200°F (-40°C to 93°C)**
- case: black impact resistant thermoplastic, with safety blowout back, solid front, integral back flange (dry)
- ring: ethylene propylene
- wetted parts: 316L stainless steel
- window: polycarbonate
- dial: white aluminum
- pointer: black aluminum
- accuracy:  $\pm 0.5\%$  ANSI/ASME Grade 2A
- scale: single scale PSI only

PSI Range	Fig. Inter.	Grad. Inter.	4½" Face ½" Lower Mount Part #
0-30	5	.2	<b>PGS30</b>
0-60	10	.5	<b>PGS60</b>
0-100	10	1	<b>PGS100</b>
0-160	20	1	<b>PGS160</b>
0-200	20	2	<b>PGS200</b>
0-300	50	2	<b>PGS300</b>
0-600	10	5	<b>PGS600</b>
0-1000	100	10	<b>PGS1000</b>



## FlutterGuard™ Dry Gauges

**Features:**

- FlutterGuard™ virtually eliminates pointer flutter, making the gauge easier to read and reducing excessive movement wear. Liquid-free casing results in lighter weight and eliminates the chance of gauge leakage.
- ASME B40.1, Grade B ( $\pm 3$ -2-3% accuracy)
- ABS plastic case, corrosion resistant
- C-shaped bronze safety bourdon tube (600 PSI gauges and lower)
- helical wound bronze safety bourdon tube (1000 PSI gauges and higher)
- polycarbonate window
- black aluminum pointer
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration and pulsation.
- ambient temperature range of **-40°F to 150°F (-40°C to 66°C)**



PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #
0-15	1	.5	<b>GL300FG</b>
0-30	5	.5	<b>GL320FG</b>
0-60	5	1	<b>GL325FG</b>
0-100	10	2	<b>GL330FG</b>
0-160	20	5	<b>GL335FG</b>
0-200	20	5	<b>GL340FG</b>
0-300	30	5	<b>GL345FG</b>
0-400	50	10	<b>GL347FG</b>
0-600	50	10	<b>GL350FG</b>
0-1000	200	20	<b>GL355FG</b>
0-1500	300	50	<b>GL360FG</b>
0-2000	400	50	<b>GL365FG</b>
0-3000	500	100	<b>GL370FG</b>
0-5000	1000	100	<b>GL375FG</b>



## Stainless Panel Builder Gauges

**Applications:**

- fits industry standard 2.56" panel hole cutout
- suitable for corrosive environments
- used in gaseous and liquid media

**Features:**

- ASME B40.100 Grade A  $\pm 2-1-2\%$  full scale accuracy
- 316L stainless steel wetted parts
- 304 stainless steel case and ring
- white aluminum with black lettering; stop pin
- black aluminum pointer
- glycerin filled case
- laminated safety glass window lens
- ambient temperature range:  $-4^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )
- maximum media temperature  $212^{\circ}\text{F}$  maximum

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Back Mount Part #
0-15	3	.2	<i>PBLSS15</i>
0-30	5	.5	<i>PBLSS30</i>
0-60	10	1	<i>PBLSS60</i>
0-100	20	2	<i>PBLSS100</i>
0-160	20	2	<i>PBLSS160</i>
0-200	50	5	<i>PBLSS200</i>
0-300	50	5	<i>PBLSS300</i>
0-400	100	10	<i>PBLSS400</i>
0-600	100	10	<i>PBLSS600</i>
0-800	200	20	<i>PBLSS800</i>
0-1000	200	20	<i>PBLSS1000</i>
0-1500	300	20	<i>PBLSS1500</i>
0-2000	500	50	<i>PBLSS2000</i>
0-3000	500	50	<i>PBLSS3000</i>
0-5000	1000	100	<i>PBLSS5000</i>



## Contractor Pressure Gauges

**Features:**

- accuracy class:  $\pm 1\%$  of span
- wetted parts: copper alloy
- window: acrylic, snap in
- dial: aluminum, white
- pointer: aluminum, black, adjustable
- mounting flanged/bracket; rear flange: stainless steel
- case: stainless steel

PSI Range	4½" face, ¼" Lower Mount Part #
0-15	<i>4277750-0001</i>
0-30	<i>4277768-0001</i>
0-60	<i>4277776-0003</i>





## Compound Gauges

## Features:

- ASME B40.1, Grade B accuracy ( $\pm 3-2-3$  % accuracy)
- ABS plastic case, corrosion resistant
- bronze bourdon tube / brass socket
- polycarbonate window
- black aluminum pointer
- Powerflex movement with polyester segment, designed for extended wear
- temperature range of **-40°F to 150°F (-40°C to 66°C)**

Mercury (Hg)	PSI Range	Fig. Inter. (Hg / PSI)	Minor Grad. (Hg / PSI)	2½" Face	2½" Face
				¼" Center Back Mount Part #	¼" Lower Mount Part #
30"	0-100	30 / 10	5 / 2	---	<b>GL310</b>
	0-160	30 / 20	5 / 5	<b>GC210</b>	---
	0-160	30 / 20	10 / 10	---	<b>GL110</b>
	0-200	30 / 20	10 / 10	---	<b>GL315</b>

## Vacuum Gauges

## Features:

- ASME B40.1, Grade B accuracy ( $\pm 3-2-3$  % accuracy)
- ABS plastic case
- bronze bourdon tube
- polycarbonate crystal
- black aluminum pointer
- Powerflex movement with polyester segment, designed for extended wear
- temperature range: **-40°F to 150°F (-40°C to 66°C)**



Mercury (Hg)	Fig. Inter. (Hg / PSI)	Minor Grad. (Hg / PSI)	2" Face	2" Face	2½" Face
			¼" Lower Mount Part #	¼" Center Back Mount Part #	¼" Lower Mount Part #
30"	5"	.5"	<b>GL105</b>	<b>GC205</b>	<b>GL305</b>

## ABS Case Liquid Filled Gauges

**Feature:**

- ASME B40.100, Grade B ( $\pm 3-2-3\%$  accuracy)

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #
0-15	3	.2	<i>GLP500</i>
0-30	5	.5	<i>GLP505</i>
0-60	10	1	<i>GLP510</i>
0-100	20	2	<i>GLP515</i>
0-160	20	2	<i>GLP517</i>
0-200	50	5	<i>GLP520</i>
0-300	50	5	<i>GLP525</i>
0-400	100	10	<i>GLP527</i>
0-600	100	10	<i>GLP530</i>
0-1000	200	20	<i>GLP535</i>
0-1500	300	20	<i>GLP540</i>
0-2000	500	50	<i>GLP545</i>
0-3000	500	50	<i>GLP550</i>
0-5000	1000	100	<i>GLP555</i>



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Accessories

## Stainless Case Liquid Filled Gauges

**Features:**

- PowerFlex™ movement with polyester segment designed to resist the effects of shock, vibration and pulsation.
- ASME B40.100, Grade A ( $\pm 2-1-2\%$  accuracy)
- copper alloy bourdon tube
- white aluminum dial with black numbers and black aluminum pointer
- ¼" NPT brass connection
- glycerin filled
- polycarbonate window
- temperature range: **-4°F to 150°F (-20°C to 65°C)**

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Center Back Mount Part #	2½" Face, ¼" Lower Mount Part #
0-15	3	.5	<i>GLSC400</i>	<i>GLS400</i>
0-30	5	.5	<i>GLSC405</i>	<i>GLS405</i>
0-60	10	1	<i>GLSC410</i>	<i>GLS410</i>
0-100	20	2	<i>GLSC415</i>	<i>GLS415</i>
0-160	20	2	<i>GLSC417</i>	<i>GLS417</i>
0-200	40	5	<i>GLSC420</i>	<i>GLS420</i>
0-300	50	5	<i>GLSC425</i>	<i>GLS425</i>
0-400	50	5	<i>GLSC427</i>	<i>GLS427</i>
0-600	100	10	<i>GLSC430</i>	<i>GLS430</i>
0-1000	200	10	<i>GLSC435</i>	<i>GLS435</i>
0-1500	300	50	<i>GLSC440</i>	<i>GLS440</i>
0-2000	400	20	<i>GLSC445</i>	<i>GLS445</i>
0-3000	500	50	<i>GLSC450</i>	<i>GLS450</i>
0-5000	1000	100	<i>GLSC455</i>	<i>GLS455</i>



GLSC420



GLS430

## Stainless Steel Liquid Filled Gauges

**Applications:**

Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

**Features:**

- $\pm 2-1-2\%$  accuracy
- polycarbonate window
- $\frac{1}{4}$ " NPT lower mount stainless connector
- 304 stainless case and crimp ring
- glycerin filled
- ambient temperature range:  $-4^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )



GLSS1500

PSI Range	Fig. Inter.	Minor Grad.	2 1/2" Face 1/4" Lower Mount Part #
0-15	3	.2	<b>GLSS15</b>
0-30	5	.5	<b>GLSS30</b>
0-60	10	1	<b>GLSS60</b>
0-100	20	2	<b>GLSS100</b>
0-160	20	2	<b>GLSS160</b>
0-200	50	5	<b>GLSS200</b>
0-300	50	5	<b>GLSS300</b>
0-400	100	10	<b>GLSS400</b>
0-600	100	10	<b>GLSS600</b>
0-1000	200	20	<b>GLSS1000</b>
0-1500	300	20	<b>GLSS1500</b>
0-2000	500	50	<b>GLSS2000</b>
0-3000	500	50	<b>GLSS3000</b>
0-5000	1000	100	<b>GLSS5000</b>
0-10000	2000	200	<b>GLSS10000</b>

## All Stainless Steel Liquid Filled Gauges

**Applications:**

Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

**Features:**

- $\pm 2-1-2\%$  accuracy
- polycarbonate window
- $\frac{1}{4}$ " NPT center back mount stainless connector
- 304 stainless case and crimp ring
- glycerin filled
- ambient temperature range:  $-4^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ )



PSI Range	Fig. Inter.	Minor Grad.	2 1/2" Face 1/4" Center Back Mount Part #
0-100	20	2	<b>GLSSC100</b>
0-160	20	2	<b>GLSSC160</b>
0-200	50	5	<b>GLSSC200</b>

## Brass Liquid Filled Gauges

## Features:

- $\pm 2-1-2\%$  accuracy on 2½";  $\pm 1\%$  accuracy on 4"
- acrylic window with membrane assembly
- copper alloy bourdon tube
- brass movement with highly polished bearing surfaces
- glycerin filled
- 2½" face gauges: solid cast brass case with polished ABS cover ring
- 4" face gauges: cast brass, silver painted case with chrome plated brass cover ring
- ambient temperature range: **-4°F to 140°F (-20°C to 60°C)**

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #	2½" Face ¼" Center Back Mount Part #	4" Face ½" Lower Mount Part #
0-15	3	.2	<b>GLBR15</b>	<b>GLBRC15</b>	<b>GLBR15-4</b>
0-30	5	.5	<b>GLBR30</b>	<b>GLBRC30</b>	<b>GLBR30-4</b>
0-60	10	1	<b>GLBR60</b>	<b>GLBRC60</b>	<b>GLBR60-4</b>
0-100	10	1	<b>GLBR100</b>	<b>GLBRC100</b>	<b>GLBR100-4</b>
0-160	20	2	<b>GLBR160</b>	<b>GLBRC160</b>	<b>GLBR160-4</b>
0-200	20	2	<b>GLBR200</b>	<b>GLBRC200</b>	<b>GLBR200-4</b>
0-300	50	5	<b>GLBR300</b>	<b>GLBRC300</b>	<b>GLBR300-4</b>
0-400	50	5	<b>GLBR400</b>	<b>GLBRC400</b>	<b>GLBR400-4</b>
0-600	100	10	<b>GLBR600</b>	<b>GLBRC600</b>	<b>GLBR600-4</b>
0-1000	100	10	<b>GLBR1000</b>	<b>GLBRC1000</b>	<b>GLBR1000-4</b>
0-1500	300	20	<b>GLBR1500</b>	<b>GLBRC1500</b>	<b>GLBR1500-4</b>
0-2000	200	20	<b>GLBR2000</b>	<b>GLBRC2000</b>	<b>GLBR2000-4</b>
0-3000	500	50	<b>GLBR3000</b>	<b>GLBRC3000</b>	<b>GLBR3000-4</b>
0-5000	500	50	<b>GLBR5000</b>	<b>GLBRC5000</b>	<b>GLBR5000-4</b>
0-10000	1000	100	---	---	<b>GLBR10000-4</b>



## Welding Gauges

## Features:

- $\pm 3-2-3\%$  accuracy according to ASME B40.100 Grade B
- polished drawn stainless steel case
- twist-lock polycarbonate window
- copper alloy bourdon tube
- "USE NO OIL" written in red on face
- ambient temperature range: **-40°F to 140°F (-20°C to 60°C)**

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #
0-30	5	.5	<b>GBRW30</b>
0-30	5	.5	<b>GBRW30R<sup>1</sup></b>
0-60	10	1	<b>GBRW60</b>
0-100	20	2	<b>GBRW100</b>
0-200	50	5	<b>GBRW200</b>
0-400	100	10	<b>GBRW400</b>
0-600	100	10	<b>GBRW600</b>
0-4000	500	100	<b>GBRW4000</b>



<sup>1</sup> red band between 15 to 30 PSI on GBRW30R

## General Purpose Digital Gauges

**Applications:**

- General purpose digital gauges are suitable for dry air applications and other media. Gauge offers selectable units of measure so rather than purchasing one gauge for each unit of measure required, one gauge can be used for multiple units of measure.
- ideal for test applications and for use in technicians tool kits

**Features:**

- 0.5% terminal point accuracy
- five-digit LCD display with large size .48" characters
- bar graph display (20 segment)
- 9 engineering units (accessed through keypad): PSI, in. HG, cm Hg, mm Hg, KPA, Mpa, BAR, KG/cm<sup>2</sup>, ft H<sub>2</sub>O
- 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	<b>DG100</b>
0-300	<b>DG300</b>
0-1000	<b>DG1000</b>
0-10,000	<b>DG10000</b>

## 180° Steam Gauge Siphons

**Application:**

- In steam service, the siphon will prevent hot steam from entering a pressure gauge, diaphragm seal or transmitter. Recommended for applications involving temperatures above **100°F (37°C)**. Also use siphons whenever condensing hot vapors (not just steam) are present.

**Features:**

- red brass pipe
- complies with ASTM B-43
- pressure rating: **200 PSI at 406°F (208°C)**



Male IPS	Red Brass Part #
¼"	<b>401-01</b>

**Features:**

- steel pipe
- ¼" NPT schedule 40 steel, welded
- pressure rating: **175 PSI at 340°F (171°C)**



Male IPS	Steel Part #
¼"	<b>401-01S</b>

## Bi-Metal Thermometers

**Features:**

- case: sturdy, corrosion resistant series 304 stainless steel
- bezel crystal: optically clear, strong glass, gasketed to maintain weather-tight integrity is standard
- stem: 304 series stainless steel, welded at tip and case connector to prevent leakage, 1/4" (6.35 mm) diameter
- hermetically sealed per ASME B40.3 external reset
- slotted-hex adjustment head offers screwdriver or wrench use to field calibrate the thermometer
- bi-metal element: an extremely responsive temperature sensing helix which has been carefully sized and tested, heat treated and aged to relieve inherent stresses and insure continued accuracy
- dampening: bi-metal helix is coated with a viscous silicone to minimize pointer oscillation and to improve temperature transmission
- immersion: for accurate temperature readings, immerse stem a minimum of 2" (50 mm) in agitated liquids or 4" (100 mm) in moving air or gas
- over range: temporary over or under range of 50% of scale up to **260°C or 500°F** will not affect the instrument accuracy
- accuracy: guaranteed to be accurate to within 1% of full scale (Grade A per ASME B40.3) (The American Society of Mechanical Engineers issued a new standard for Bi-Metal Thermometers in 1990 referred to as ASME B40.3.)
- standard connection is 1/2" male NPT

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Accessories

### Model 30 Back Connected

Stem Length	Temperature Range	3" Face Part #
2½"	0-250°F/10-120°C	30025064
2½"	50-500°F/10-260°C	30025104
4"	0-250°F/10-120°C	30040064
4"	50-500°F/10-260°C	30040104
6"	0-250°F/10-120°C	30060064
6"	50-500°F/10-260°C	30060104
9"	0-250°F/10-120°C	30090064
9"	50-500°F/10-260°C	30090104



### Model 31 Bottom Connected 90° Angle

Stem Length	Temperature Range	3" Face Part #
2½"	0-250°F/10-120°C	31025064
4"	50-500°F/10-260°C	31040104



### Model 50 Back Connected

Stem Length	Temperature Range	5" Face Part #
2½"	50-500°F/10-260°C	50025104
4"	0-250°F/10-120°C	50040064



### Model 52 Adjustable Angle

Stem Length	Temperature Range	5" Face Part #
2½"	0-250°F/10-120°C	52025064
4"	0-250°F/10-120°C	52040064
4"	50-500°F/10-260°C	52040104





## Bi-Metal Pocket Thermometers

### Features:

- case: 304 stainless steel hermetically sealed
- crystal: extra heavy polycarbonate
- stem: 304 series stainless steel
- external reset with hex nut on back of case
- bi-metal element: responsive actuation by bi-metal helix
- dampening: bi-metal helix is coated with a viscous silicone to minimize pointer oscillation
- scale length: approximately 2-1/8" (54mm)
- accuracy: 1%
- polyethylene carrying case with clip

Temperature Range	Part #
0°F to 220°F (-18°C to 104°C)	<b>PT220</b>
50°F to 550°F (10°C to 288°C)	<b>PT550</b>

## Magnetic Surface Mount Thermometers



### Features:

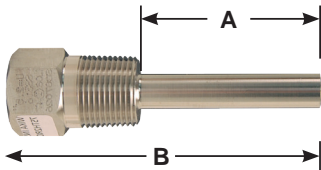
- case: steel, 2" x 1/2"
- dial: polished aluminum
- bi-metal element: responsive actuation by bi-metal helix
- accuracy: ± 2%

Temperature Range	2" Face Part #
0°F to 250°F (-18°C to 121°C)	<b>MT250</b>
0°F to 500°F (-18°C to 260°F)	<b>MT500</b>

## Threaded Thermowells

### Features:

- 3/4" male NPT process connection



'A' dimension	'B' dimension	316 Stainless Steel Part #
1 5/8"	2 1/2"	<b>75TH2R015SS</b>
2 1/2"	4"	<b>75TH2R025SS</b>
4 1/2"	6"	<b>75TH2R045SS</b>
7 1/2"	9"	<b>75TH2R075SS</b>



## Ball Swivels

## Features:

- brass and hardened steel construction
- O-ring seals
- wobble action for increased flexibility with air driven tools

Hose Size	Male NPT	Part #	Optional Qty
1/4"	1/4"	<b>D444S</b>	25
3/8"	1/4"	<b>D446S</b>	25

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Accessories

## Push-On Ball Swivels

## Feature:

- special barb design for secure grip in push-on type air hoses

Hose Size	Male NPT	Part #	Optional Qty
3/8"	1/4"	<b>D446SL</b>	25



## In-Line Swivels

## Features:

- for air service only
- rated to **250 PSI** at ambient temperature **70°F (21°C)**, minimum **35 PSI**
- heavy-duty, free turning steel swivel



Male NPT	Female NPT	Steel Part #
3/8"	1/2"	<b>SV17</b>
1/2"	1/2"	<b>SV20</b>
3/4"	3/4"	<b>SV26</b>



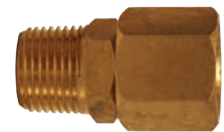
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## Features:

- for air service only
- rated to **150 PSI** at ambient temperature **70°F (21°C)**



Male NPT	Female NPT	Brass Part #
1/4"	1/4"	<b>D344R</b>
3/8"	3/8"	<b>D366R</b>



## Air Tool Swivels

## Features:

- swivels at two locations so air hose can drop directly to the floor
- rated to **150 PSI** at ambient temperature **70°F (21°C)**
- do not use with percussion tools



Size	Aluminum Part #
1/4"	<b>D344U<sup>1</sup></b>
3/8"	<b>D346U</b>
1/2"	<b>D348U</b>



<sup>1</sup> D344U is a non-marring composite.



## Conical Mufflers

### Application:

- threads into the exhaust ports of air tool, valves, cylinders and other pneumatic equipment

### Features:

- reduces noise levels below 90 dBA to conform with OSHA standards
- 40 micron bronze filter element
- element is bonded directly to the fitting and *is not replaceable*
- maximum operating pressure: **300 PSI**
- temperature range: **35°F to 300°F (2°C to 149°C)**

NPT Thread	Overall Length	Nickel Plated Steel Part #
1/8"	1 1/8"	<b>CMF18</b>
1/4"	1 3/8"	<b>CMF28</b>
3/8"	1 1/2"	<b>CMF38</b>
1/2"	1 7/8"	<b>CMF48</b>
3/4"	2 1/4"	<b>CMF68</b>
1"	2 7/8"	<b>CMF88</b>

## Speed Control Mufflers

### Features:

- maximum operating pressure: **300 PSI**
- temperature range: **35°F to 300°F (2°C to 149°C)**
- safe and infinite variations of metering air flow at acceptable sound levels on exhaust ports of air valves
- speed of operating cylinder or air tool may be increased or decreased with adjusting screw, the final position is locked in place by the lock nut
- exhaust air noise is eliminated by a surrounding sleeve of sintered bronze



aluminum



brass

NPT Thread	Approximate Full Oper. Height	Maximum Adjusted SCFM	Brass Part #
1/8"	1-5/16"	20	<b>SCM18</b>
1/4"	1-9/16"	30	<b>SCM28</b>
3/8"	1 5/8"	40	<b>SCM38</b>
1/2"	2"	60	<b>SCM48</b>
3/4"	2 3/8"	70	<b>SCM68</b>
1"	2 1/2"	100	<b>SCM88</b>

## Breather Vents

### Applications:

- used on single acting cylinders or valves to prevent dirt and foreign particles from entering ports open to the atmosphere
- provides vacuum relief or pressure equalization on gear boxes, oil tanks or reservoirs

### Features:

- standard pipe thread connections for quick assembly and removal for cleaning
- nickel plated steel insert with a bronze filter
- 40 micron filter element
- maximum operating pressure: **150 PSI**
- temperature range: **35°F to 300°F (2°C to 148°C)**



NPT Thread	Overall Length	Nickel Plated Steel Part #
1/8"	7/16"	<b>ASP-1BV</b>
1/4"	5/8"	<b>ASP-2BV</b>
3/8"	3/4"	<b>ASP-3BV</b>
1/2"	7/8"	<b>ASP-4BV</b>
3/4"	1"	<b>ASP-6BV</b>
1"	1-5/16"	<b>ASP-8BV</b>

Quick Disconnects.....	450 to 505	Adapters (cont.).....	506 to 526
H-series.....	450 to 456	JIC (cont.).....	511 to 517
H-BOP series.....	457	Sleeves.....	515
HS-series.....	458	Straight weld end metal hose fittings.....	517
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.....	517
V-series.....	463 to 471	NPTF.....	518 to 522
TR-series.....	472 to 475	Pipe nipples.....	518
HT-series.....	476	Hex reducer bushings.....	518
HTE-series.....	477	Swivels.....	519
HTZ-series.....	478	Swivel nuts.....	519
ST-series.....	479 to 481	Hex pipe couplings.....	519
PD-series.....	482	90° elbows.....	519 to 520
VEP-series.....	483 to 485	90° elbow swivels.....	520
VEP-BOP series.....	486	45° elbows.....	520
W-series.....	487 to 489	Tees.....	521
WS-series.....	490 to 492	Hex caps.....	522
WS-BOP series.....	493	Hex plugs.....	522
T-series.....	494 to 495	Metric parallel thread.....	523
CVV-series.....	496 to 497	BSPP (British Standard Pipe Parallel).....	523
E-series.....	498 to 500	Code 61 / 62 flanges.....	524 to 526
EA-series.....	501	4-bolt NPTF ports.....	524
CM-series.....	502 to 505	4-bolt SAE ports.....	524
		4-bolt flange pipe socket welds.....	525
Adapters.....	506 to 526	Split flange kits.....	526
Flat Face.....	506 to 507	Straight SAE.....	526
Unions.....	506	90° SAE elbows.....	526
Connectors.....	506	45° SAE elbows.....	526
90° elbows.....	506-507		
Tees.....	507	Hydraulic Hose Fittings.....	527 to 528
Caps.....	507	Suction and return line couplings.....	527
Plugs.....	507	Double bolt clamps.....	527
ORB.....	508 to 510	Stems.....	528
Reducers.....	508	Clamps for 1 or 2 wire.....	528
Unions.....	508	Inline hydraulic filters.....	528
O-ring Boss.....	508 to 509		
Elbows.....	509 to 510	Pipe and Tubing Hangers.....	529 to 530
Tees.....	510	Standard series.....	529
Plugs.....	510	Twin series.....	529
37° JIC.....	511 to 517	Heavy duty series.....	530
Flare.....	511		
Swivels.....	512		
90° elbows.....	512		
90° flare elbows.....	512		
45° elbows.....	513 to 514		
Flare unions.....	514		
Flare tees.....	514		
Caps.....	515		
Nuts.....	515 to 516		
Plugs.....	515		

## H-Series Hydraulic Couplings

## Features:

- poppet style shut-off valves in both coupler and plug
- meets dimensional requirements of **ISO 7241 Series B**
- interchangeable with Parker-Hannifin 60 series, see Hydraulic Profile Chart on page 454
- Nitrile seals standard providing temperature range of **-40°F to 250°F (-40°C to 121°C)**
- contact Dixon® for pressure ratings and other technical information
- contact Dixon® for additional seal material options

## ISO-B Female Threaded Couplers



steel



brass

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>1HF1</b>	---	<b>1HF1-B</b>
	7/16" - 20 ORB	---	<b>1HOF2</b>	---	---
1/4"	1/4" - 18 NPTF	16-263	<b>2HF2</b>	B16-263	<b>2HF2-B</b>
	1/4" - 19 BSPP	---	<b>2HBF2</b>	---	<b>2HBF2-B</b>
	9/16" - 18 ORB	---	<b>2HOF3</b>	---	---
3/8"	3/8" - 18 NPTF	16-363	<b>3HF3</b>	B16-363	<b>3HF3-B</b>
	3/8" - 19 BSPP	---	<b>3HBF3</b>	---	<b>3HBF3-B</b>
	3/4" - 16 ORB	---	<b>3HOF4</b>	---	---
		---	---	---	---
1/2"	1/2" - 14 NPTF	16-463	<b>4HF4</b>	B16-463	<b>4HF4-B</b>
	1/2" - 14 BSPP	---	<b>4HBF4</b>	---	<b>4HBF4-B</b>
	7/8" - 14 ORB	---	<b>4HOF5</b>	---	---
		---	---	---	---
3/4"	3/4" - 14 NPTF	16-663	<b>6HF6</b>	B16-663	<b>6HF6-B</b>
	3/4" - 14 BSPP	---	<b>6HBF6</b>	---	<b>6HBF6-B</b>
	1-1/16" - 12 ORB	---	<b>6HOF6</b>	---	---
1"	1" - 11 1/2 NPTF	16-863	<b>8HF8</b>	B16-863	<b>8HF8-B</b>
	1" - 11 BSPP	---	<b>8HBF8</b>	---	<b>8HBF8-B</b>
	1-5/16" - 12 ORB	---	<b>8HOF8</b>	---	---



303 stainless

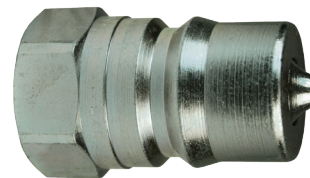
Body Size	Threads	Previous Part #	303 Stainless Steel	316 Stainless Steel
			Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>1HF1-S</b>	<b>1HF1-SS</b>
1/4"	1/4" - 18 NPTF	SS16-263	<b>2HF2-S</b>	<b>2HF2-SS</b>
	1/4" - 19 BSPP	---	<b>2HBF2-S</b>	<b>2HBF2-SS</b>
3/8"	3/8" - 18 NPTF	SS16-363	<b>3HF3-S</b>	<b>3HF3-SS</b>
	3/8" - 19 BSPP	---	<b>3HBF3-S</b>	<b>3HBF3-SS</b>
1/2"	1/2" - 14 NPTF	SS16-463	<b>4HF4-S</b>	<b>4HF4-SS</b>
	1/2" - 14 BSPP	---	<b>4HBF4-S</b>	<b>4HBF4-SS</b>
3/4"	3/4" - 14 NPTF	SS16-663	<b>6HF6-S</b>	<b>6HF6-SS</b>
	3/4" - 14 BSPP	---	<b>6HBF6-S</b>	<b>6HBF6-SS</b>
1"	1" - 11 1/2 NPTF	SS16-863	<b>8HF8-S</b>	<b>8HF8-SS</b>
	1" - 11 BSPP	---	<b>8HBF8-S</b>	<b>8HBF8-SS</b>

H-Series Hydraulic Couplings

ISO-B Female Threaded Plugs

Hydraulic Fittings

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>H1F1</b>	---	<b>H1F1-B</b>
	7/16" - 20 ORB	---	<b>H1OF2</b>	---	---
1/4"	1/4" - 18 NPTF	17-263	<b>H2F2</b>	B17-263	<b>H2F2-B</b>
	1/4" - 19 BSPP	---	<b>H2BF2</b>	---	<b>H2BF2-B</b>
	9/16" - 18 ORB	---	<b>H2OF3</b>	---	---
3/8"	3/8" - 18 NPTF	17-363	<b>H3F3</b>	B17-363	<b>H3F3-B</b>
	3/8" - 19 BSPP	---	<b>H3BF3</b>	---	<b>H3BF3-B</b>
	3/4" - 16 ORB	---	<b>H3OF4</b>	---	---
1/2"	1/2" - 14 NPTF	17-463	<b>H4F4</b>	B17-463	<b>H4F4-B</b>
	1/2" - 14 BSPP	---	<b>H4BF4</b>	---	<b>H4BF4-B</b>
	7/8" - 14 ORB	---	<b>H4OF5</b>	---	---
3/4"	3/4" - 14 NPTF	17-663	<b>H6F6</b>	B17-663	<b>H6F6-B</b>
	3/4" - 14 BSPP	---	<b>H6BF6</b>	---	<b>H6BF6-B</b>
	1-1/16" - 12 ORB	---	<b>H6OF6</b>	---	---
1"	1" - 11 1/2" NPTF	17-863	<b>H8F8</b>	B17-863	<b>H8F8-B</b>
	1" - 11 BSPP	---	<b>H8BF8</b>	---	<b>H8BF8-B</b>
	1-5/16" - 12 ORB	---	<b>H8OF8</b>	---	---

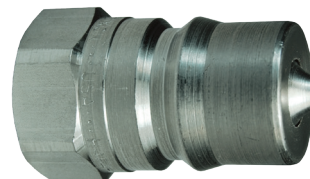


steel



brass

Body Size	Threads	Previous Part #	303 Stainless Steel	316 Stainless Steel
			Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>H1F1-S</b>	<b>H1F1-SS</b>
1/4"	1/4" - 18 NPTF	SS17-263	<b>H2F2-S</b>	<b>H2F2-SS</b>
	1/4" - 19 BSPP	---	<b>H2BF2-S</b>	<b>H2BF2-SS</b>
3/8"	3/8" - 18 NPTF	SS17-363	<b>H3F3-S</b>	<b>H3F3-SS</b>
	3/8" - 19 BSPP	---	<b>H3BF3-S</b>	<b>H3BF3-SS</b>
1/2"	1/2" - 14 NPTF	SS17-463	<b>H4F4-S</b>	<b>H4F4-SS</b>
	1/2" - 14 BSPP	---	<b>H4BF4-S</b>	<b>H4BF4-SS</b>
3/4"	3/4" - 14 NPTF	SS17-663	<b>H6F6-S</b>	<b>H6F6-SS</b>
	3/4" - 14 BSPP	---	<b>H6BF6-S</b>	<b>H6BF6-SS</b>
1"	1" - 11 1/2" NPTF	SS17-863	<b>H8F8-S</b>	<b>H8F8-SS</b>
	1" - 11 BSPP	---	<b>H8BF8-S</b>	<b>H8BF8-SS</b>



303 stainless



ISO-B Male Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	3/8" - 18 NPTF	<b>H2M3</b>



Body Size	Threads	303 Stainless Steel Part #
1/2"	3/4" - 14 NPTF	<b>H4M6-S</b>



## H-Series Hydraulic Couplings

### ISO-B High Volume Female Threaded Couplers

Hydraulic Fittings



steel



brass



316 stainless

Body Size	Threads	Steel Part #	Brass Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1¼"	1¼" - 11½ NPTF	<b>10HF10</b>	<b>10HF10-B</b>	<b>10HF10-S</b>	<b>10HF10-SS</b>
	1¼" - 11 BSPP	<b>10HBF10</b>	---	---	<b>10HBF10-SS</b>
1½"	1¼" - 11½ NPTF	<b>12HF10</b>	<b>12HF10-B</b>	<b>12HF10-S</b>	---
	1⅝" - 12 ORB	<b>12HOF10</b>	---	---	---
	1½" - 11½ NPTF	<b>12HF12</b>	<b>12HF12-B</b>	<b>12HF12-S</b>	<b>12HF12-SS</b>
	1½" - 11 BSPP	<b>12HBF12</b>	<b>12HBF12-B</b>	<b>12HBF12-S</b>	<b>12HBF12-SS</b>
2½"	1⅞" - 12 ORB	<b>12HOF12</b>	---	---	---
	2" - 11½ NPTF	<b>20HF16</b>	<b>20HF16-B</b>	---	---
	2½" - 8 NPTF	<b>20HF20</b>	---	---	---
3"	3" - 8 NPTF	<b>20HF24</b>	---	---	---

### ISO-B High Volume Female Threaded Plugs



steel



brass



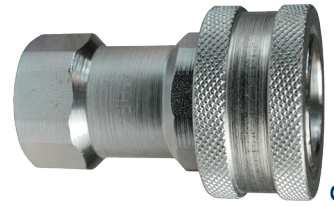
303 stainless

Body Size	Threads	Steel Part #	Brass Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1¼"	1¼" - 11½ NPTF	<b>H10F10</b>	<b>H10F10-B</b>	<b>H10F10-S</b>	<b>H10F10-SS</b>
	1¼" - 11 BSPP	<b>H10BF10</b>	---	---	<b>H10BF10-SS</b>
1½"	1¼" - 11½ NPTF	<b>H12F10</b>	<b>H12F10-B</b>	<b>H12F10-S</b>	---
	1⅝" - 12 ORB	<b>H12OF10</b>	---	---	---
	1½" - 11½ NPTF	<b>H12F12</b>	<b>H12F12-B</b>	<b>H12F12-S</b>	<b>H12F12-SS</b>
	1½" - 11 BSPP	<b>H12BF12</b>	<b>H12BF12-B</b>	<b>H12BF12-S</b>	<b>H12BF12-SS</b>
2½"	1⅞" - 12 ORB	<b>H12OF12</b>	---	---	---
	2" - 11½ NPTF	<b>H20F16</b>	<b>H20F16-B</b>	---	---
	2½" - 8 NPTF	<b>H20F20</b>	---	---	---
3"	3" - 8 NPTF	<b>H20F24</b>	---	---	---

H-Series Hydraulic Couplings

ISO-B Steel Mill 'Slide Gate' Female Threaded Couplers

Body Size	Female Threads	Steel Part #
1/2"	1/2" - 14 NPTF	<b>4HF4-HV</b>



Hydraulic Fittings

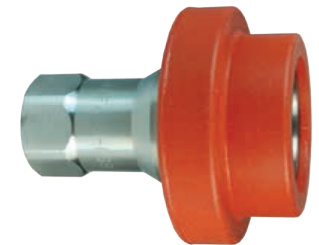
ISO-B Steel Mill 'Slide Gate' Female Threaded Plugs

Body Size	Female Threads	Steel Part #
1/2"	1/2" - 14 NPTF	<b>H4F4-HV</b>



ISO-B Food Grade Silicone Flanged Female Threaded Couplers

Body Size	Female Threads	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	1/2" - 14 NPTF	<b>D-4HF4-S-FSB</b>	<b>D-4HF4-SS-FSB</b>



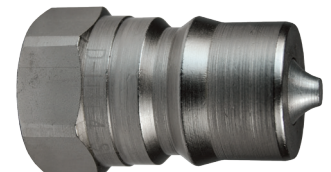
ISO-B Food Grade Nylon Flanged Female Threaded Couplers

Body Size	Female Threads	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	1/2" - 14 NPTF	<b>D-4HF4-S-FNS</b>	<b>D-4HF4-SS-FNS</b>



ISO-B Food Grade Female Threaded Plugs

Body Size	Female Threads	Steel Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	1/2" - 14 NPTF	<b>D-H4F4-SV-8</b>	<b>D-H4F4-S</b>	<b>D-H4F4-SS</b>



H-Series Hydraulic Couplings

ISO-B Dust Caps / Plugs



Body Size	Previous Part #		Nitrile Part #
	Plugs	Caps	
1/8"	VHC002	---	<b>1HDP</b>
1/8"	---	---	<b>H1DC</b>
1/4"	16-002	17-002	<b>2HDP-H2DC</b>
3/8"	16-003	17-003	<b>3HDP-H3DC</b>
1/2"	16-004	17-004	<b>4HDP-H4DC</b>
3/4"	16-006	17-004	<b>6HDP-H6DC</b>
1"	16-008	17-008	<b>8HDP-H8DC</b> <sup>1</sup>

<sup>1</sup> 8HDP-H8DC fits both 1" and 1 1/4" body sizes

ISO-B Rigid Dust Plugs



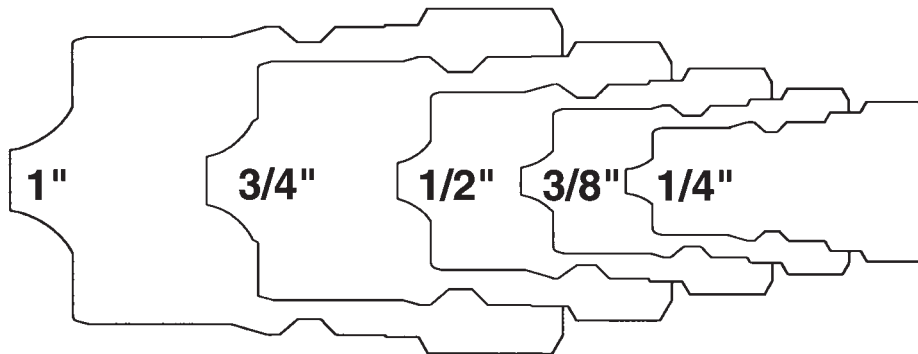
Body Size	Previous Part #	Aluminum body with steel cable Part #
1/4"	16-002A	<b>2HDP-A</b>
3/8"	16-003A	<b>3HDP-A</b>
1/2"	16-004A	<b>4HDP-A</b>
3/4"	16-006A	<b>6HDP-A</b>
1"	16-008A	<b>8HDP-A</b>
1 1/2"	---	<b>12HDP-A</b>
2 1/2"	---	<b>20HDP-A</b>

ISO-B Rigid Dust Caps



Body Size	Previous Part #	Aluminum body with steel cable Part #
1/4"	17-002A	<b>H2DC-A</b>
3/8"	17-003A	<b>H3DC-A</b>
1/2"	17-004A	<b>H4DC-A</b>
3/4"	17-006A	<b>H6DC-A</b>
1"	17-008A	<b>H8DC-A</b>
1 1/2"	---	<b>H12DC-A</b>
2 1/2"	---	<b>H20DC-A</b>

Plug Profiles



Industry/Competitor Interchange

- ISO 7241-B
- Hansen HK
- Eaton/Aeroquip FD45
- Parker 60
- Faster HNV
- Stucchi IRB/IRBO/IRBX



## H-Series Hydraulic Couplings

## ISO-B Coupler Seal Kits

Body Size	Coupler Material	Description	EPDM Part #	FKM Part #	Nitrile Part #
1/8"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	<b>P-1H-SKIT</b>	<b>F-1H-SKIT</b>	<b>1H-SKIT</b>
1/4"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	<b>P-2H-SKIT</b>	<b>F-2H-SKIT</b>	<b>2H-SKIT</b>
3/8"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	<b>P-3H-SKIT</b>	<b>F-3H-SKIT</b>	<b>3H-SKIT</b>
1/2"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	<b>P-4H-SKIT</b>	<b>F-4H-SKIT</b>	<b>4H-SKIT</b>
3/4"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	<b>P-6H-SKIT</b>	<b>F-6H-SKIT</b>	<b>6H-SKIT</b>
1"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	<b>P-8H-SKIT</b>	<b>F-8H-SKIT</b>	<b>8H-SKIT</b>
1 1/4"	brass, steel, 303 SS, 316 SS	adapter / valve O-ring and two body O-rings	<b>P-10H-SKIT</b>	<b>F-10H-SKIT</b>	<b>10H-SKIT</b>
1 1/2"	brass, steel, 303 SS, 316 SS	adapter / valve O-ring and two body O-rings	<b>P-12H-SKIT</b>	<b>F-12H-SKIT</b>	<b>12H-SKIT</b>

## H-Series Hydraulic Couplings

## ISO-B Repair Kits

Hydraulic Fittings

Body Size	Coupler Material	Seal Material	Description	Part #
1/4"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and retaining ring	<b>2H-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and retaining ring	<b>2H-BRKIT</b>
	<i>303 stainless</i>	<i>nitrile</i>	303 SS valve assembly and retaining ring	<b>2H-SRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and retaining ring	<b>2H-SSRKIT</b>
3/8"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and retaining ring	<b>3H-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and retaining ring	<b>3H-BRKIT</b>
	<i>303 stainless</i>	<i>nitrile</i>	303 SS valve assembly and retaining ring	<b>3H-SRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and retaining ring	<b>3H-SSRKIT</b>
1/2"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and retaining ring	<b>4H-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and retaining ring	<b>4H-BRKIT</b>
	<i>303 stainless</i>	<i>nitrile</i>	303 SS valve assembly and retaining ring	<b>4H-SRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and retaining ring	<b>4H-SSRKIT</b>
3/4"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and retaining ring	<b>6H-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and retaining ring	<b>6H-BRKIT</b>
	<i>303 stainless</i>	<i>nitrile</i>	303 SS valve assembly and retaining ring	<b>6H-SRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and retaining ring	<b>6H-SSRKIT</b>
1"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and retaining ring	<b>8H-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and retaining ring	<b>8H-BRKIT</b>
	<i>303 stainless</i>	<i>nitrile</i>	303 SS valve assembly and retaining ring	<b>8H-SRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and retaining ring	<b>8H-SSRKIT</b>
1 1/4"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>10H-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>10H-BRKIT</b>
	<i>303 stainless</i>	<i>nitrile</i>	303 SS valve assembly and adapter O-ring	<b>10H-SRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>10H-SSRKIT</b>
1 1/2"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>12H-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>12H-BRKIT</b>
	<i>303 stainless</i>	<i>nitrile</i>	303 SS valve assembly and adapter O-ring	<b>12H-SRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>12H-SSRKIT</b>

## H-BOP Series Hydraulic Couplings

**Application:**

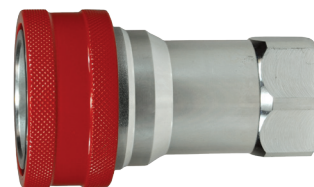
- designed specifically for blow-out preventer systems on drilling rigs

**Features:**

- fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D; certificate available upon request
- pressure rating **5000 PSI at 70°F (21°C)**
- steel coupler sleeves are hardened to resist deformation and maximize service life
- individually marked with the BOP series designation
- interchangeable with ISO7241 Series B, Eaton/Hansen HKFR-Series, DNP HNV-BOP Series

**Blowout Preventer Safety Female Couplers**

Body Size	Female Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPTF	<b>3HF3-BOP</b>	<b>3HF3-SS-BOP</b>
1/2"	1/2" - 14 NPTF	<b>4HF4-BOP</b>	<b>4HF4-SS-BOP</b>
3/4"	3/4" - 14 NPTF	<b>6HF6-BOP</b>	<b>6HF6-SS-BOP</b>
1"	1" - 11½ NPTF	<b>8HF8-BOP</b>	<b>8HF8-SS-BOP</b>

**Blowout Preventer Safety Female Plugs**

Body Size	Female Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPTF	<b>H3F3-BOP</b>	<b>H3F3-SS-BOP</b>
1/2"	1/2" - 14 NPTF	<b>H4F4-BOP</b>	<b>H4F4-SS-BOP</b>
3/4"	3/4" - 14 NPTF	<b>H6F6-BOP</b>	<b>H6F6-SS-BOP</b>
1"	1" - 11½ NPTF	<b>H8F8-BOP</b>	<b>H8F8-SS-BOP</b>



## HS-Series Hydraulic Couplings

**Applications:**

- designed exclusively for steam applications

**Features:**

- coupler has a large plated steel sleeve designed for easier gripping with gloves
- special high-temp EPDM O-rings designed for steam service providing a temperature range of -70°F to 400°F (-57°C to 204°C)
- rated to 200 PSI gauge saturated steam 382°F (194°C)



**Warning: Do Not Disconnect Under Pressure!**

## ISO-B Steam Interchange Female Threaded Couplers



brass



303 stainless

Body Size	Threads	Brass		303 Stainless Steel Part #
		Previous Part #	Part #	
1/4"	1/4" - 18 NPTF	B16-200S	<b>2HSF2-B</b>	<b>2HSF2-S</b>
	1/4" - 19 BSPP	---	<b>2HSBF2-B</b>	<b>2HSBF2-S</b>
3/8"	3/8" - 18 NPTF	B16-300S	<b>3HSF3-B</b>	<b>3HSF3-S</b>
	3/8" - 19 BSPP	---	<b>3HSBF3-B</b>	<b>3HSBF3-S</b>
1/2"	1/2" - 14 NPTF	B16-400S	<b>4HSF4-B</b>	<b>4HSF4-S</b>
	1/2" - 14 BSPP	---	<b>4HSBF4-B</b>	<b>4HSBF4-S</b>
3/4"	3/4" - 14 NPTF	B16-600S	<b>6HSF6-B</b>	<b>6HSF6-S</b>
	3/4" - 14 BSPP	---	<b>6HSBF6-B</b>	<b>6HSBF6-S</b>
1"	1" - 11 1/2 NPTF	B16-800S	<b>8HSF8-B</b>	<b>8HSF8-S</b>
	1" - 11 BSPP	---	<b>8HSBF8-B</b>	<b>8HSBF8-S</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	B16-1200S	<b>PS-12HF12-B</b>	---

## ISO-B Steam Interchange Female Threaded Plugs



steel



brass



303 stainless

Body Size	Threads	Steel Part #	Brass		303 Stainless Steel Part #
			Previous Part #	Part #	
1/4"	1/4" - 18 NPTF	<b>HS2F2</b>	B17-200S	<b>HS2F2-B</b>	<b>HS2F2-S</b>
	1/4" - 19 BSPP	<b>HS2BF2</b>	---	<b>HS2BF2-B</b>	<b>HS2BF2-S</b>
3/8"	3/8" - 18 NPTF	<b>HS3F3</b>	B17-300S	<b>HS3F3-B</b>	<b>HS3F3-S</b>
	3/8" - 19 BSPP	<b>HS3BF3</b>	---	<b>HS3BF3-B</b>	<b>HS3BF3-S</b>
1/2"	1/2" - 14 NPTF	<b>HS4F4</b>	B17-400S	<b>HS4F4-B</b>	<b>HS4F4-S</b>
	1/2" - 14 BSPP	<b>HS4BF4</b>	---	<b>HS4BF4-B</b>	<b>HS4BF4-S</b>
3/4"	3/4" - 14 NPTF	<b>HS6F6</b>	B17-600S	<b>HS6F6-B</b>	<b>HS6F6-S</b>
	3/4" - 14 BSPP	<b>HS6BF6</b>	---	<b>HS6BF6-B</b>	<b>HS6BF6-S</b>
1"	1" - 11 1/2 NPTF	<b>HS8F8</b>	B17-800S	<b>HS8F8-B</b>	<b>HS8F8-S</b>
	1" - 11 BSPP	<b>HS8BF8</b>	---	<b>HS8BF8-B</b>	<b>HS8BF8-S</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	---	B17-1200S	<b>PS-H12F12-B</b>	---

## K-Series Hydraulic Couplings

## Features:

- poppet style shut-off valves in both coupler and plug
- interchangeable with Aeroquip/Eaton FD56 (5600), Parker 6600, and **ISO-A 7241 interchange**, see Hydraulic Profile Chart on page 460
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for additional seal material options, pressure ratings and other technical information.

## ISO-A Interchange Female Threaded Couplers

Body Size	Threads	Previous Part #	Steel Part #	316 Stainless Steel Part #
1/4"	1/8" - 27 NPTF	56-100	<b>2KF1</b>	---
	1/4" - 18 NPTF	56-200	<b>2KF2</b>	<b>2KF2-SS</b>
	1/4" - 19 BSPP	---	<b>2KBF2</b>	<b>2KBF2-SS</b>
	7/16" - 20 ORB	---	<b>2KOF2</b>	---
3/8"	3/8" - 18 NPTF	56-300	<b>3KF3</b>	<b>3KF3-SS</b>
	3/8" - 19 BSPP	---	<b>3KBF3</b>	<b>3KBF3-SS</b>
	9/16" - 18 ORB	---	<b>3KOF3</b>	---
1/2"	1/2" - 14 NPTF	56-400	<b>4KF4</b>	<b>4KF4-SS</b>
	1/2" - 14 BSPP	---	<b>4KBF4</b>	<b>4KBF4-SS</b>
	3/4" - 16 ORB	---	<b>4KOF4</b>	---
	7/8" - 14 ORB	---	<b>4KOF5</b>	---
	3/4" - 14 NPTF	56-600	<b>4KF6</b>	---
3/4"	3/4" - 14 NPTF	56-660	<b>6KF6</b>	<b>6KF6-SS</b>
	3/4" - 14 BSPP	---	<b>6KBF6</b>	<b>6KBF6-SS</b>
	1-1/16" - 12 ORB	---	<b>6KOF6</b>	---
1"	1" - 11 1/2 NPTF	56-800	<b>8KF8</b>	<b>8KF8-SS</b>
	1" - 11 BSPP	---	<b>8KBF8</b>	<b>8KBF8-SS</b>
	1-5/16" - 12 ORB	---	<b>8KOF8</b>	---
1 1/4"	1 1/4" - 11 1/2 NPT	---	<b>10KF10</b>	---
	1 1/4" - 11 BSPP	---	<b>10KBF10</b>	---
1 1/2"	1 1/2" - 11 1/2 NPT	---	<b>12KF12</b>	---
	1 1/2" - 11 BSPP	---	<b>12KBF12</b>	---
2"	2" - 11 1/2 NPT	---	<b>16KF16</b>	---
	2" - 11 BSPP	---	<b>16KBF16</b>	---



4KF4 - steel



6KF6 - steel



10KF10 - steel

## ISO-A Interchange Female Threaded Plugs

Body Size	Threads	Previous Part #	Steel Part #	316 Stainless Steel Part #
1/4"	1/8" - 27 NPTF	57-100	<b>K2F1</b>	---
	1/4" - 18 NPTF	57-200	<b>K2F2</b>	<b>K2F2-SS</b>
	1/4" - 19 BSPP	---	<b>K2BF2</b>	<b>K2BF2-SS</b>
	7/16" - 20 ORB	---	<b>K2OF2</b>	---
3/8"	3/8" - 18 NPTF	57-300	<b>K3F3</b>	<b>K3F3-SS</b>
	3/8" - 19 BSPP	---	<b>K3BF3</b>	<b>K3BF3-SS</b>
	9/16" - 18 ORB	---	<b>K3OF3</b>	---
1/2"	1/2" - 14 NPTF	57-400	<b>K4F4</b>	<b>K4F4-SS</b>
	1/2" - 14 BSPP	---	<b>K4BF4</b>	<b>K4BF4-SS</b>
	3/4" - 16 ORB	---	<b>K4OF4</b>	---
	7/8" - 14 ORB	---	<b>K4OF5</b>	---
	3/4" - 14 NPTF	57-600	<b>K4F6</b>	---
3/4"	3/4" - 14 NPTF	57-660	<b>K6F6</b>	<b>K6F6-SS</b>
	3/4" - 14 BSPP	---	<b>K6BF6</b>	<b>K6BF6-SS</b>
	1-1/16" - 12 ORB	---	<b>K6OF6</b>	---
1"	1" - 11 1/2 NPTF	57-800	<b>K8F8</b>	<b>K8F8-SS</b>
	1" - 11 BSPP	---	<b>K8BF8</b>	<b>K8BF8-SS</b>
	1-5/16" - 12 ORB	---	<b>K8OF8</b>	---
1 1/4"	1 1/4" - 11 1/2 NPT	---	<b>K10F10</b>	---
	1 1/4" - 11 BSPP	---	<b>K10BF10</b>	---
1 1/2"	1 1/2" - 11 1/2 NPT	---	<b>K12F12</b>	---
	1 1/2" - 11 BSPP	---	<b>K12BF12</b>	---
2"	2" - 11 1/2 NPT	---	<b>K16F16</b>	---
	2" - 11 BSPP	---	<b>K16BF16</b>	---



K4F4 - steel



K6F6 - steel

K-Series Hydraulic Couplings

Hydraulic Fittings

ISO-A Interchange Dust Caps / Plugs

Body Size	Previous Part #	Nitrile Part #
1/4"	56-002 / 57-002	<b>2KDP-K2DC</b>
3/8"	56-003 / 57-003 / VHCN004	<b>3KDP-K3DC</b>
3/4"	56-006 / 57-006	<b>6KDP-K6DC</b>
1"	56-008 / 57-008	<b>8KDP-K8DC</b>



ISO-A Interchange Color Coded Dust Plugs



Body Size	Color	Previous Part #	Nitrile Part #
1/2"	black	56-004	<b>4KDP</b>
	red	---	<b>4K-R-DP</b>
	orange	---	<b>4K-O-DP</b>
	yellow	---	<b>4K-Y-DP</b>
	green	---	<b>4K-G-DP</b>
	blue	---	<b>4K-B-DP</b>

ISO-A Interchange Color Coded Dust Caps

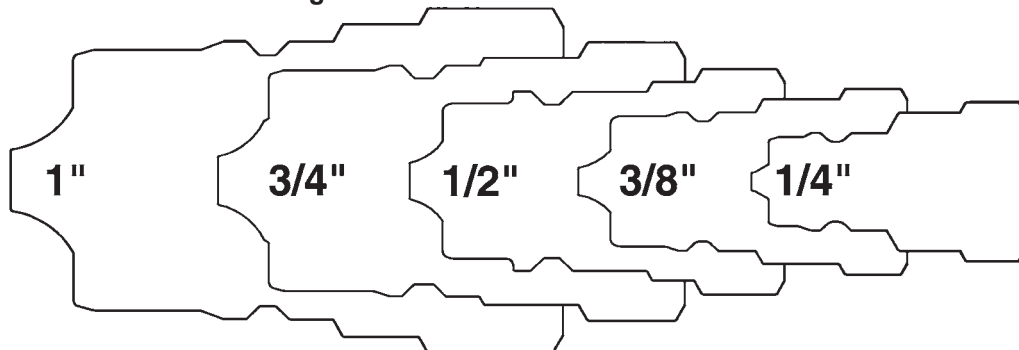


Body Size	Color	Previous Part #	Nitrile Part #
1/2"	black	57-004	<b>K4DC</b>
	red	---	<b>K4-R-DC</b>
	orange	---	<b>K4-O-DC</b>
	yellow	---	<b>K4-Y-DC</b>
	green	---	<b>K4-G-DC</b>
	blue	---	<b>K4-B-DC</b>

ISO-A Interchange Coupler Seal Kits

Body Size	Coupler Style	Description	Nitrile Part #
1/4"	all	O-ring and PTFE anti-extrusion ring	<b>2K-SKIT</b>
3/8"	all	O-ring and PTFE anti-extrusion ring	<b>3K-SKIT</b>
1/2"	all	O-ring and PTFE anti-extrusion ring	<b>4K-SKIT</b>
3/4"	all	O-ring and PTFE anti-extrusion ring	<b>6K-SKIT</b>
1"	all	O-ring and PTFE anti-extrusion ring	<b>8K-SKIT</b>
1 1/4"	all	O-ring and PTFE anti-extrusion ring	<b>10K-SKIT</b>
1 1/2"	all	O-ring and PTFE anti-extrusion ring	<b>12K-SKIT</b>
2"	all	O-ring and PTFE anti-extrusion ring	<b>16K-SKIT</b>

Plug Profiles



Industry/Competitor Interchange

ISO 7241-A  
 Eaton/Aeroquip 5600  
 Parker 6600  
 Faster ANV  
 Safeway S56  
 Stucchi BIR

## AG-Series Hydraulic Couplings

**Application:**

- used on construction equipment, farm implements and most other mobile equipment

**Features:**

- ball valve and poppet valve options available
- interchangeable with Pioneer 4000 series, see Hydraulic Profile Chart on page 462
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for pressure ratings and other technical information.

**Agricultural Ball Valve Female Threaded Couplers**

Body Size	Threads	Steel	
		Previous Part #	Part #
1/4"	1/4" - 18 NPTF	---	<b>2AGF2</b>
3/8"	3/8" - 18 NPTF	---	<b>3AGF3</b>
1/2"	1/2" - 14 NPTF	18-400	<b>4AGF4</b>
	1/2" - 14 BSPP	---	<b>4AGBF4</b>
	3/4" - 16 ORB	18-415	<b>4AGOF4</b>
	7/8" - 14 ORB	---	<b>4AGOF5</b>
3/4"	3/4" - 14 NPTF	18-600	<b>4AGF6</b>
	3/4" - 14 NPTF	18-660	<b>6AGF6</b>
1"	1" - 11 1/2 NPTF	---	<b>8AGF8</b>

**Agricultural Poppet Valve Female Threaded Couplers**

Body Size	Threads	Steel	
		Previous Part #	Part #
1/4"	1/4" - 18 NPTF	18-200	<b>2AGF2-PV</b>
3/8"	3/8" - 18 NPTF	18-300	<b>3AGF3-PV</b>
1/2"	1/2" - 14 NPTF	---	<b>4AGF4-PV</b>
	1/2" - 14 BSPP	---	<b>4AGBF4-PV</b>
	3/4" - 16 ORB	---	<b>4AGOF4-PV</b>
	7/8" - 14 ORB	---	<b>4AGOF5-PV</b>
	3/4" - 14 NPTF	---	<b>4AGF6-PV</b>
3/4"	3/4" - 14 NPTF	---	<b>6AGF6-PV</b>
1"	1" - 11 1/2 NPTF	18-800	<b>8AGF8-PV</b>

**Agricultural Push-Pull Ball Valve Female Threaded Couplers**

Body Size	Threads	Steel
		Part #
3/8"	3/8" - 18 NPTF	<b>3AGF3-PS</b>
	1/2" - 14 NPTF	<b>4AGF4-PS</b>
1/2"	3/4" - 16 ORB	<b>4AGOF4-PS</b>
	7/8" - 14 ORB	<b>4AGOF5-PS</b>
	3/4" - 14 NPTF	<b>4AGF6-PS</b>
3/4"	3/4" - 14 NPTF	<b>6AGF6-PS</b>

**Agricultural Push-Pull Poppet Valve Female Threaded Couplers**

Body Size	Threads	Steel
		Part #
3/8"	3/8" - 18 NPTF	<b>3AGF3-PV-PS</b>
	1/2" - 14 NPTF	<b>4AGF4-PV-PS</b>
1/2"	3/4" - 16 ORB	<b>4AGOF4-PV-PS</b>
	7/8" - 14 ORB	<b>4AGOF5-PV-PS</b>
	3/4" - 14 NPTF	<b>4AGF6-PV-PS</b>
3/4"	3/4" - 14 NPTF	<b>6AGF6-PV-PS</b>



AG-Series Hydraulic Couplings

Hydraulic Fittings



Agricultural Ball Valve Female Threaded Plugs

Body Size	Threads	Steel	
		Previous Part #	Part #
1/4"	1/4" - 18 NPTF	---	<b>AG2F2</b>
3/8"	3/8" - 18 NPTF	---	<b>AG3F3</b>
1/2"	1/2" - 14 NPTF	19-400	<b>AG4F4</b>
	1/2" - 14 BSPP	---	<b>AG4BF4</b>
	3/4" - 16 ORB	19-415	<b>AG4OF4</b>
	7/8" - 14 ORB	---	<b>AG4OF5</b>
	3/4" - 14 NPTF	19-600	<b>AG4F6</b>
3/4"	3/4" - 14 NPTF	19-660	<b>AG6F6</b>
1"	1" - 11 1/2 NPTF	---	<b>AG8F8</b>

Agricultural Poppet Valve Female Threaded Plugs



Body Size	Threads	Steel	
		Previous Part #	Part #
1/4"	1/4" - 18 NPTF	---	<b>AG2F2-PV</b>
3/8"	3/8" - 18 NPTF	---	<b>AG3F3-PV</b>
1/2"	1/2" - 14 NPTF	19-400	<b>AG4F4-PV</b>
	1/2" - 14 BSPP	---	<b>AG4BF4-PV</b>
	3/4" - 16 ORB	19-415	<b>AG4OF4-PV</b>
	7/8" - 14 ORB	---	<b>AG4OF5-PV</b>
	3/4" - 14 NPTF	19-600	<b>AG4F6-PV</b>
3/4"	3/4" - 14 NPTF	19-660	<b>AG6F6-PV</b>
1"	1" - 11 1/2 NPTF	---	<b>AG8F8-PV</b>

Agricultural Dust Plugs



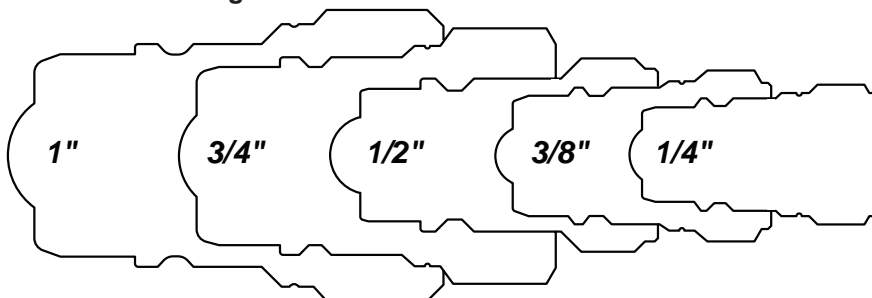
Body Size	Elastomer	
	Previous Part #	Part #
1/4"	18-002	<b>2AGDP</b>
3/8"	18-003	<b>3AGDP</b>
1/2"	For 1/2" Please refer to the color coded K-Series Dust Plugs on pg. 460	
3/4"	18-006	<b>6AGDP</b>
1"	18-008	<b>8AGDP</b>

Agricultural Dust Caps



Body Size	Elastomer	
	Previous Part #	Part #
1/4"	19-002	<b>AG2DC</b>
3/8"	19-003	<b>AG3DC</b>
1/2"	For 1/2" Please refer to the color coded K-Series Dust Caps on pg. 460	
3/4"	19-006	<b>AG6DC</b>
1"	19-008	<b>AG8DC</b>

Plug Profiles



Industry/Competitor Interchange

Parker/Pioneer 4000  
 Safeway S20  
 Faster NS/NV  
 Stucchi IR



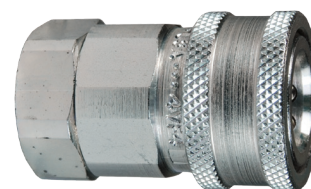
## V-Series Hydraulic Couplings

## Features:

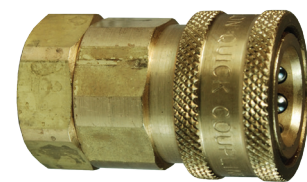
- general purpose hydraulic quick-connect provides superior flow characteristics for a variety of applications
- interchangeable with Snap-tite H/H Series, see Hydraulic Profile Chart on page 469
- nitrile seal standard providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.

## Snap-Tite H/H Interchange Valved Female Threaded Couplers

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/4"	1/8" - 27 NPTF	---	<b>2VF1</b>	---	---
	1/4" - 18 NPTF	VHC200	<b>2VF2</b>	VHC200B	<b>2VF2-B</b>
	1/4" - 19 BSPP	---	<b>2VBF2</b>	---	<b>2VBF2-B</b>
	7/16" - 20 ORB	---	<b>2VOF2</b>	---	---
3/8"	3/8" - 18 NPTF	VHC300	<b>3VF3</b>	VHC300B	<b>3VF3-B</b>
	3/8" - 19 BSPP	---	<b>3VBF3</b>	---	<b>3VBF3-B</b>
	9/16" - 18 ORB	---	<b>3VOF3</b>	---	---
	1/2" - 14 NPTF	---	<b>3VF4</b>	---	---
1/2"	1/2" - 14 NPTF	VHC400	<b>4VF4</b>	VHC400B	<b>4VF4-B</b>
	1/2" - 14 BSPP	---	<b>4VBF4</b>	---	<b>4VBF4-B</b>
	3/4" - 16 ORB	---	<b>4VOF4</b>	---	---
	3/4" - 14 NPTF	---	<b>4VF6</b>	---	---
3/4"	3/4" - 14 NPTF	VHC600	<b>6VF6</b>	VHC600B	<b>6VF6-B</b>
	3/4" - 14 BSPP	---	<b>6VBF6</b>	---	<b>6VBF6-B</b>
	1-1/16" - 12 ORB	---	<b>6VOF6</b>	---	---
1"	1" - 11 1/2 NPTF	VHC800	<b>8VF8</b>	---	<b>8VF8-B</b>
	1" - 11 BSPP	---	<b>8VBF8</b>	---	<b>8VBF8-B</b>
	1-5/16" - 12 ORB	---	<b>8VOF8</b>	---	---
1 1/4"	1 1/4" - 11 1/2 NPTF	VHC1000	<b>10VF10</b>	---	<b>10VF10-B</b>
	1 1/4" - 11 BSPP	---	<b>10VBF10</b>	---	<b>10VBF10-B</b>
	1 5/8" - 12 ORB	---	<b>10VOF10</b>	---	---
1 1/2"	1 1/2" - 11 1/2 NPTF	VHC1200	<b>12VF12</b>	---	<b>12VF12-B</b>
	1 1/2" - 11 BSPP	---	<b>12VBF12</b>	---	<b>12VBF12-B</b>
	1 7/8" - 12 ORB	---	<b>12VOF12</b>	---	---
2"	2" - 11 1/2 NPTF	VHC1600	<b>16VF16</b>	---	<b>16VF16-B</b>
	2" - 11 BSPP	---	<b>16VBF16</b>	---	<b>16VBF16-B</b>



steel



brass

Body Size	Threads	316 Stainless Steel	
		Previous Part #	Part #
1/4"	1/4" - 18 NPTF	VHC200SS	<b>2VF2-SS</b>
	1/4" - 19 BSPP	---	<b>2VBF2-SS</b>
3/8"	3/8" - 18 NPTF	---	<b>3VF3-SS</b>
	3/8" - 19 BSPP	---	<b>3VBF3-SS</b>
1/2"	1/2" - 14 NPTF	VHC400SS	<b>4VF4-SS</b>
	1/2" - 14 BSPP	---	<b>4VBF4-SS</b>
3/4"	3/4" - 14 NPTF	VHC600SS	<b>6VF6-SS</b>
	3/4" - 14 BSPP	---	<b>6VBF6-SS</b>
1"	1" - 11 1/2 NPTF	---	<b>8VF8-SS</b>
	1" - 11 BSPP	---	<b>8VBF8-SS</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	---	<b>10VF10-SS</b>
	1 1/4" - 11 BSPP	---	<b>10VBF10-SS</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	---	<b>12VF12-SS</b>
	1 1/2" - 11 BSPP	---	<b>12VBF12-SS</b>
2"	2" - 11 1/2 NPTF	---	<b>16VF16-SS</b>
	2" - 11 BSPP	---	<b>16VBF16-SS</b>



## V-Series Hydraulic Couplings

### Snap-Tite H/IH Interchange Valved Male Threaded Couplers

Hydraulic Fittings



steel



brass



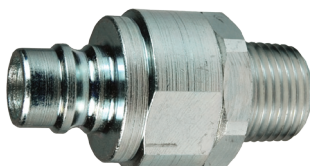
316 stainless



steel - JIC

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/8" - 27 NPTF	<b>2VM1</b>	---	---
	1/4" - 18 NPTF	<b>2VM2</b>	<b>2VM2-B</b>	<b>2VM2-SS</b>
	7/16" - 20 JIC	<b>2VJM2</b>	---	---
3/8"	3/8" - 18 NPTF	<b>3VM3</b>	<b>3VM3-B</b>	<b>3VM3-SS</b>
	9/16" - 18 JIC	<b>3VJM3</b>	---	---
1/2"	1/2" - 14 NPTF	<b>4VM4</b>	<b>4VM4-B</b>	<b>4VM4-SS</b>
	3/4" - 16 JIC	<b>4VJM4</b>	---	---
3/4"	3/4" - 14 NPTF	<b>6VM6</b>	<b>6VM6-B</b>	<b>6VM6-SS</b>
	1-1/16" - 12 JIC	<b>6VJM6</b>	---	---
1"	1" - 11 1/2 NPTF	<b>8VM8</b>	<b>8VM8-B</b>	<b>8VM8-SS</b>
	1-5/16" - 12 JIC	<b>8VJM8</b>	---	---
1 1/4"	1 1/4" - 11 1/2 NPTF	<b>10VM10</b>	<b>10VM10-B</b>	<b>10VM10-SS</b>
	1 5/8" - 12 JIC	<b>10VJM10</b>	---	---
1 1/2"	1 1/2" - 11 1/2 NPTF	<b>12VM12</b>	<b>12VM12-B</b>	<b>12VM12-SS</b>
2"	2" - 11 1/2 NPTF	<b>16VM16</b>	<b>16VM16-B</b>	<b>16VM16-SS</b>

### Snap-Tite H/IH Interchange Valved Male Threaded Plugs



steel



brass



316 stainless



steel

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/8" - 27 NPTF	<b>V2M1</b>	---	---
	1/4" - 18 NPTF	<b>V2M2</b>	<b>V2M2-B</b>	<b>V2M2-SS</b>
	7/16" - 20 JIC	<b>V2JM2</b>	---	---
3/8"	3/8" - 18 NPTF	<b>V3M3</b>	<b>V3M3-B</b>	<b>V3M3-SS</b>
	9/16" - 18 JIC	<b>V3JM3</b>	---	---
1/2"	1/2" - 14 NPTF	<b>V4M4</b>	<b>V4M4-B</b>	<b>V4M4-SS</b>
	3/4" - 16 JIC	<b>V4JM4</b>	---	---
3/4"	3/4" - 14 NPTF	<b>V6M6</b>	<b>V6M6-B</b>	<b>V6M6-SS</b>
	1-1/16" - 12 JIC	<b>V6JM6</b>	---	---
1"	1" - 11 1/2 NPTF	<b>V8M8</b>	<b>V8M8-B</b>	<b>V8M8-SS</b>
	1-5/16" - 12 JIC	<b>V8JM8</b>	---	---
1 1/4"	1 1/4" - 11 1/2 NPTF	<b>V10M10</b>	<b>V10M10-B</b>	<b>V10M10-SS</b>
	1 5/8" - 12 JIC	<b>V10JM10</b>	---	---
1 1/2"	1 1/2" - 11 1/2 NPTF	<b>V12M12</b>	<b>V12M12-B</b>	<b>V12M12-SS</b>
2"	2" - 11 1/2 NPTF	<b>V16M16</b>	<b>V16M16-B</b>	<b>V16M16-SS</b>

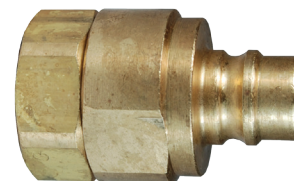
## V-Series Hydraulic Couplings

## Snap-Tite H/IH Interchange Valved Female Threaded Plugs

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/4"	1/8" - 27 NPTF	---	<b>V2F1</b>	---	---
	1/4" - 18 NPTF	VHN200	<b>V2F2</b>	VHN200B	<b>V2F2-B</b>
	1/4" - 19 BSPP	---	<b>V2BF2</b>	---	<b>V2BF2-B</b>
	7/16" - 20 ORB	---	<b>V2OF2</b>	---	---
3/8"	3/8" - 18 NPTF	VHN300	<b>V3F3</b>	VHN300B	<b>V3F3-B</b>
	3/8" - 19 BSPP	---	<b>V3BF3</b>	---	<b>V3BF3-B</b>
	9/16" - 18 ORB	---	<b>V3OF3</b>	---	---
	1/2" - 14 NPTF	---	<b>V3F4</b>	---	---
1/2"	1/2" - 14 NPTF	VHN400	<b>V4F4</b>	VHN400B	<b>V4F4-B</b>
	1/2" - 14 BSPP	---	<b>V4BF4</b>	---	<b>V4BF4-B</b>
	3/4" - 16 ORB	---	<b>V4OF4</b>	---	---
	3/4" - 14 NPTF	---	<b>V4F6</b>	---	---
3/4"	3/4" - 14 NPTF	VHN600	<b>V6F6</b>	VHN600B	<b>V6F6-B</b>
	3/4" - 14 BSPP	---	<b>V6BF6</b>	---	<b>V6BF6-B</b>
	1-1/16" - 12 ORB	---	<b>V6OF6</b>	---	---
1"	1" - 11 1/2 NPTF	VHN800	<b>V8F8</b>	---	<b>V8F8-B</b>
	1" - 11 BSPP	---	<b>V8BF8</b>	---	<b>V8BF8-B</b>
	1-5/16" - 12 ORB	---	<b>V8OF8</b>	---	---
1 1/4"	1 1/4" - 11 1/2 NPTF	VHN1000	<b>V10F10</b>	---	<b>V10F10-B</b>
	1 1/4" - 11 BSPP	---	<b>V10BF10</b>	---	<b>V10BF10-B</b>
	1 5/8" - 12 ORB	---	<b>V10OF10</b>	---	---
1 1/2"	1 1/2" - 11 1/2 NPTF	VHN1200	<b>V12F12</b>	---	<b>V12F12-B</b>
	1 1/2" - 11 BSPP	---	<b>V12BF12</b>	---	<b>V12BF12-B</b>
	1 7/8" - 12 ORB	---	<b>V12OF12</b>	---	---
2"	2" - 11 1/2 NPTF	VHN1600	<b>V16F16</b>	---	<b>V16F16-B</b>
	2" - 11 BSPP	---	<b>V16BF16</b>	---	<b>V16BF16-B</b>



steel



brass

Body Size	Threads	316 Stainless Steel	
		Previous Part #	Part #
1/4"	1/4" - 18 NPTF	VHN200SS	<b>V2F2-SS</b>
	1/4" - 19 BSPP	---	<b>V2BF2-SS</b>
3/8"	3/8" - 18 NPTF	---	<b>V3F3-SS</b>
	3/8" - 19 BSPP	---	<b>V3BF3-SS</b>
1/2"	1/2" - 14 NPTF	VHN400SS	<b>V4F4-SS</b>
	1/2" - 14 BSPP	---	<b>V4BF4-SS</b>
3/4"	3/4" - 14 NPTF	VHN600SS	<b>V6F6-SS</b>
	3/4" - 14 BSPP	---	<b>V6BF6-SS</b>
1"	1" - 11 1/2 NPTF	---	<b>V8F8-SS</b>
	1" - 11 BSPP	---	<b>V8BF8-SS</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	---	<b>V10F10-SS</b>
	1 1/4" - 11 BSPP	---	<b>V10BF10-SS</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	---	<b>V12F12-SS</b>
	1 1/2" - 11 BSPP	---	<b>V12BF12-SS</b>
2"	2" - 11 1/2 NPTF	---	<b>V16F16-SS</b>
	2" - 11 BSPP	---	<b>V16BF16-SS</b>



## V-Series Hydraulic Couplings

## Hydraulic Fittings

## Snap-Tite H/IH Interchange Unvalved Female Threaded Couplers



steel



brass

Body Size	Threads	Previous Part #	Steel Part #	Brass Part #
1/4"	1/4" - 18 NPTF	---	<b>2VF2-E</b>	<b>2VF2-B-E</b>
	1/4" - 19 BSPP	---	<b>2VBF2-E</b>	<b>2VBF2-B-E</b>
3/8"	3/8" - 18 NPTF	---	<b>3VF3-E</b>	<b>3VF3-B-E</b>
	3/8" - 19 BSPP	---	<b>3VBF3-E</b>	<b>3VBF3-B-E</b>
1/2"	1/2" - 14 NPTF	VHC400NV	<b>4VF4-E</b>	<b>4VF4-B-E</b>
	1/2" - 14 BSPP	---	<b>4VBF4-E</b>	<b>4VBF4-B-E</b>
3/4"	3/4" - 14 NPTF	VHC600NV	<b>6VF6-E</b>	<b>6VF6-B-E</b>
	3/4" - 14 BSPP	---	<b>6VBF6-E</b>	<b>6VBF6-B-E</b>
1"	1" - 11 1/2 NPTF	---	<b>8VF8-E</b>	<b>8VF8-B-E</b>
	1" - 11 BSPP	---	<b>8VBF8-E</b>	<b>8VBF8-B-E</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	---	<b>10VF10-E</b>	<b>10VF10-B-E</b>
	1 1/4" - 11 BSPP	---	<b>10VBF10-E</b>	<b>10VBF10-B-E</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	---	<b>12VF12-E</b>	<b>12VF12-B-E</b>
2"	2" - 11 1/2 NPTF	---	<b>16VF16-E</b>	<b>16VF16-B-E</b>

Body Size	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	<b>2VF2-SS-E</b>
	1/4" - 19 BSPP	<b>2VBF2-SS-E</b>
3/8"	3/8" - 18 NPTF	<b>3VF3-SS-E</b>
	3/8" - 19 BSPP	<b>3VBF3-SS-E</b>
1/2"	1/2" - 14 NPTF	<b>4VF4-SS-E</b>
	1/2" - 14 BSPP	<b>4VBF4-SS-E</b>
3/4"	3/4" - 14 NPTF	<b>6VF6-SS-E</b>
	3/4" - 14 BSPP	<b>6VBF6-SS-E</b>
1"	1" - 11 1/2 NPTF	<b>8VF8-SS-E</b>
	1" - 11 BSPP	<b>8VBF8-SS-E</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	<b>10VF10-SS-E</b>
	1 1/4" - 11 BSPP	<b>10VBF10-SS-E</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	<b>12VF12-SS-E</b>
2"	2" - 11 1/2 NPTF	<b>16VF16-SS-E</b>

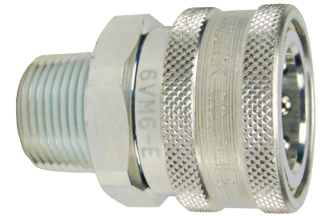


V-Series Hydraulic Couplings

Snap-Tite H/IH Interchange Unvalved Male Threaded Couplers

Hydraulic Fittings

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	<b>2VM2-E</b>	<b>2VM2-B-E</b>	<b>2VM2-SS-E</b>
3/8"	3/8" - 18 NPTF	<b>3VM3-E</b>	<b>3VM3-B-E</b>	<b>3VM3-SS-E</b>
1/2"	1/2" - 14 NPTF	<b>4VM4-E</b>	<b>4VM4-B-E</b>	<b>4VM4-SS-E</b>
3/4"	3/4" - 14 NPTF	<b>6VM6-E</b>	<b>6VM6-B-E</b>	<b>6VM6-SS-E</b>
1"	1" - 11 1/2 NPTF	<b>8VM8-E</b>	<b>8VM8-B-E</b>	<b>8VM8-SS-E</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	<b>10VM10-E</b>	---	<b>10VM10-SS-E</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	<b>12VM12-E</b>	---	<b>12VM12-SS-E</b>
2"	2" - 11 1/2 NPTF	<b>16VM16-E</b>	---	<b>16VM16-SS-E</b>



steel



brass



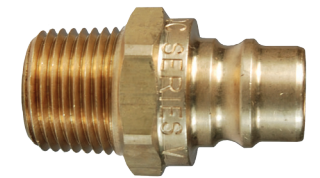
316 stainless

Snap-Tite H/IH Interchange Unvalved Male Threaded Plugs

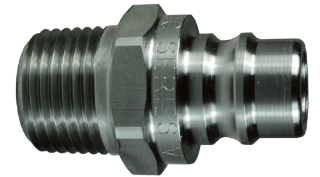
Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	<b>V2M2-E</b>	<b>V2M2-B-E</b>	<b>V2M2-SS-E</b>
3/8"	3/8" - 18 NPTF	<b>V3M3-E</b>	<b>V3M3-B-E</b>	<b>V3M3-SS-E</b>
1/2"	1/2" - 14 NPTF	<b>V4M4-E</b>	<b>V4M4-B-E</b>	<b>V4M4-SS-E</b>
3/4"	3/4" - 14 NPTF	<b>V6M6-E</b>	<b>V6M6-B-E</b>	<b>V6M6-SS-E</b>
1"	1" - 11 1/2 NPTF	<b>V8M8-E</b>	<b>V8M8-B-E</b>	<b>V8M8-SS-E</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	<b>V10M10-E</b>	---	<b>V10M10-SS-E</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	<b>V12M12-E</b>	---	<b>V12M12-SS-E</b>
2"	2" - 11 1/2 NPTF	<b>V16M16-E</b>	---	<b>V16M16-SS-E</b>



steel



brass



316 stainless

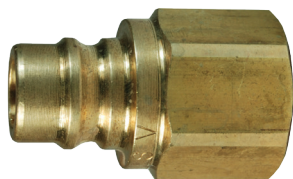
## V-Series Hydraulic Couplings

Hydraulic Fittings

## Snap-Tite H/IH Interchange Unvalved Female Threaded Plugs



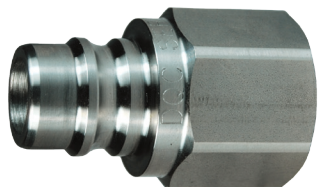
steel



brass

Body Size	Threads	Previous Part #	Steel Part #	Brass Part #
1/4"	1/4" - 18 NPTF	---	<b>V2F2-E</b>	<b>V2F2-B-E</b>
	1/4" - 19 BSPP	---	<b>V2BF2-E</b>	<b>V2BF2-B-E</b>
3/8"	3/8" - 18 NPTF	---	<b>V3F3-E</b>	<b>V3F3-B-E</b>
	3/8" - 19 BSPP	---	<b>V3BF3-E</b>	<b>V3BF3-B-E</b>
1/2"	1/2" - 14 NPTF	VHN400NV	<b>V4F4-E</b>	<b>V4F4-B-E</b>
	1/2" - 14 BSPP	---	<b>V4BF4-E</b>	<b>V4BF4-B-E</b>
3/4"	3/4" - 14 NPTF	VHN600NV	<b>V6F6-E</b>	<b>V6F6-B-E</b>
	3/4" - 14 BSPP	---	<b>V6BF6-E</b>	<b>V6BF6-B-E</b>
1"	1" - 11 1/2 NPTF	---	<b>V8F8-E</b>	<b>V8F8-B-E</b>
	1" - 11 BSPP	---	<b>V8BF8-E</b>	<b>V8BF8-B-E</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	---	<b>V10F10-E</b>	<b>V10F10-B-E</b>
	1 1/4" - 11 BSPP	---	<b>V10BF10-E</b>	<b>V10BF10-B-E</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	---	<b>V12F12-E</b>	<b>V12F12-B-E</b>
	2" - 11 1/2 NPTF	---	<b>V16F16-E</b>	<b>V16F16-B-E</b>

Body Size	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	<b>V2F2-SS-E</b>
	1/4" - 19 BSPP	<b>V2BF2-SS-E</b>
3/8"	3/8" - 18 NPTF	<b>V3F3-SS-E</b>
	3/8" - 19 BSPP	<b>V3BF3-SS-E</b>
1/2"	1/2" - 14 NPTF	<b>V4F4-SS-E</b>
	1/2" - 14 BSPP	<b>V4BF4-SS-E</b>
3/4"	3/4" - 14 NPTF	<b>V6F6-SS-E</b>
	3/4" - 14 BSPP	<b>V6BF6-SS-E</b>
1"	1" - 11 1/2 NPTF	<b>V8F8-SS-E</b>
	1" - 11 BSPP	<b>V8BF8-SS-E</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	<b>V10F10-SS-E</b>
	1 1/4" - 11 BSPP	<b>V10BF10-SS-E</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	<b>V12F12-SS-E</b>
2"	2" - 11 1/2 NPTF	<b>V16F16-SS-E</b>



V-Series Hydraulic Couplings

Snap-Tite H/IH Interchange Dust Caps / Plugs

Hydraulic Fittings

Body Size	Nitrile	
	Previous Part #	Part #
1/4"	VHC002	<b>1HDP</b>
1/4"	VHN002	<b>V2DC</b>
3/8"	---	<b>3VDP-V3DC</b>
1/2"	VHCN003	<b>3KDP-K3DC</b>
3/4"	VHCN006	<b>6VDP-V6DC</b>
1"	VHCN008	<b>8VDP-V8DC</b>



Snap-Tite H/IH Interchange Dust Plugs

Body Size	Aluminum body with steel cable	
	Previous Part #	Part #
1/4"	---	<b>2VDP-A</b>
3/8"	---	<b>3VDP-A</b>
1/2"	---	<b>4VDP-A</b>
3/4"	---	<b>6VDP-A</b>
1"	---	<b>8VDP-A</b>
1 1/4"	VHC010	<b>10VDP-A</b>
1 1/2"	VHC012	<b>12VDP-A</b>
2"	VHC016	<b>16VDP-A</b>

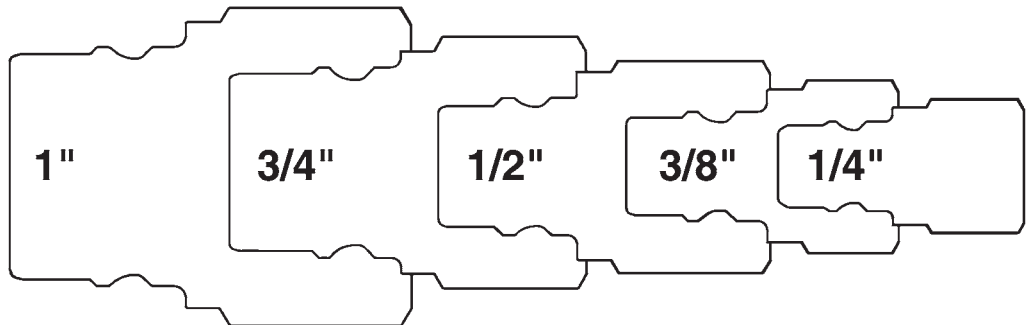


Snap-Tite H/IH Interchange Dust Caps

Body Size	Aluminum body with steel cable	
	Previous Part #	Part #
1/4"	---	<b>V2DC-A</b>
3/8"	---	<b>V3DC-A</b>
1/2"	---	<b>V4DC-A</b>
3/4"	---	<b>V6DC-A</b>
1"	---	<b>V8DC-A</b>
1 1/4"	VHN010	<b>V10DC-A</b>
1 1/2"	VHN012	<b>V12DC-A</b>
2"	VHN016	<b>V16DC-A</b>



Plug Profiles



Industry/Competitor Interchange

Snap-tite H  
Faster TNV

## V-Series Hydraulic Couplings

## Snap-Tite H/IH Interchange Coupler Seal Kits

Hydraulic Fittings

Body Size	Coupler Style	Description	Nitrile Part #
1/4"	all	body / adapter O-rings and PTFE back-up	<b>2V-SKIT</b>
3/8"	all	body / adapter O-rings and PTFE back-up	<b>3V-SKIT</b>
1/2"	all	body / adapter O-rings and PTFE back-up	<b>4V-SKIT</b>
3/4"	all	body / adapter O-rings and PTFE back-up	<b>6V-SKIT</b>
1"	all	body / adapter O-rings and PTFE back-up	<b>8V-SKIT</b>
1 1/4"	all	body / adapter/valve O-rings and back-up	<b>10V-SKIT</b>
1 1/2"	all	body / adapter/valve O-rings and back-up	<b>12V-SKIT</b>
2"	all	body / adapter/valve O-rings and back-up	<b>16V-SKIT</b>

Body Size	Coupler Style	Description	FKM Part #
1/4"	all	body / adapter O-rings and PTFE back-up	<b>F-2V-SKIT</b>
3/8"	all	body / adapter O-rings and PTFE back-up	<b>F-3V-SKIT</b>
1/2"	all	body / adapter O-rings and PTFE back-up	<b>F-4V-SKIT</b>
3/4"	all	body / adapter O-rings and PTFE back-up	<b>F-6V-SKIT</b>
1"	all	body / adapter O-rings and PTFE back-up	<b>F-8V-SKIT</b>
1 1/4"	all	body / adapter/valve O-rings and back-up	<b>F-10V-SKIT</b>
1 1/2"	all	body / adapter/valve O-rings and back-up	<b>F-12V-SKIT</b>
2"	all	body / adapter/valve O-rings and back-up	<b>F-16V-SKIT</b>

Body Size	Coupler Style	Description	EPDM Part #
1/4"	all	body / adapter O-rings and PTFE back-up	<b>P-2V-SKIT</b>
3/8"	all	body / adapter O-rings and PTFE back-up	<b>P-3V-SKIT</b>
1/2"	all	body / adapter O-rings and PTFE back-up	<b>P-4V-SKIT</b>
3/4"	all	body / adapter O-rings and PTFE back-up	<b>P-6V-SKIT</b>
1"	all	body / adapter O-rings and PTFE back-up	<b>P-8V-SKIT</b>
1 1/4"	all	body / adapter/valve O-rings and back-up	<b>P-10V-SKIT</b>
1 1/2"	all	body / adapter/valve O-rings and back-up	<b>P-12V-SKIT</b>
2"	all	body / adapter/valve O-rings and back-up	<b>P-16V-SKIT</b>



## V-Series Hydraulic Couplings

## Snap-Tite H/H Interchange Coupler Repair Kits

Body Size	Coupler Material	Seal Material	Description	Part #
¼"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>2V-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>2V-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>2V-SSRKIT</b>
⅜"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>3V-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>3V-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>3V-SSRKIT</b>
½"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>4V-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>4V-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>4V-SSRKIT</b>
¾"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>6V-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>6V-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>6V-SSRKIT</b>
1"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>8V-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>8V-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>8V-SSRKIT</b>
1¼"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>140030-10</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>140032-10</b>
1½"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>140030-12</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>140032-12</b>
2"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>140030-16</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>140032-16</b>

## Snap-Tite H/H Interchange Plug Repair Kits

Body Size	Coupler Material	Seal Material	Description	Part #
¼"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>V2-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>V2-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>V2-SSRKIT</b>
⅜"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>V3-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>V3-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>V3-SSRKIT</b>
½"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>V4-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>V4-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>V4-SSRKIT</b>
¾"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>V6-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>V6-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>V6-SSRKIT</b>
1"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>V8-RKIT</b>
	<i>brass</i>	<i>nitrile</i>	brass valve assembly and adapter O-ring	<b>V8-BRKIT</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>V8-SSRKIT</b>
1¼"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>140030-10</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>140032-10</b>
1½"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>140030-12</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>140032-12</b>
2"	<i>steel</i>	<i>nitrile</i>	steel valve assembly and adapter O-ring	<b>140030-16</b>
	<i>316 stainless</i>	<i>nitrile</i>	316 SS valve assembly and adapter O-ring	<b>140032-16</b>

## TR-Series Hydraulic Couplings

## Features:

- interchangeable with TEMA European, 3800, 5000, 7500, 10000 series
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurized connection
- Contact Dixon® for pressure ratings and other technical information.

## Tema European Female Threaded Couplers



Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	<b>3TRF3</b>
	3/8" - 19 BSPP	<b>3TRBF3</b>
1/2"	1/2" - 14 NPTF	<b>4TRF4</b>
	1/2" - 14 BSPP	<b>4TRBF4</b>
3/4"	3/4" - 14 NPTF	<b>6TRF6</b>
	3/4" - 14 BSPP	<b>6TRBF6</b>
1"	1" - 11 1/2 NPTF	<b>8TRF8</b>
	1" - 11 BSPP	<b>8TRBF8</b>

## Tema European Female Threaded Plugs



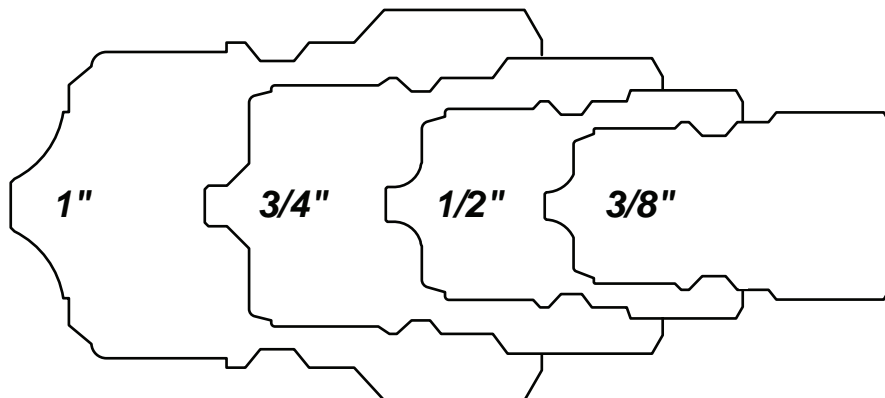
Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	<b>TR3F3</b>
	3/8" - 19 BSPP	<b>TR3BF3</b>
1/2"	1/2" - 14 NPTF	<b>TR4F4</b>
	1/2" - 14 BSPP	<b>TR4BF4</b>
3/4"	3/4" - 14 NPTF	<b>TR6F6</b>
	3/4" - 14 BSPP	<b>TR6BF6</b>
1"	1" - 11 1/2 NPTF	<b>TR8F8</b>
	1" - 11 BSPP	<b>TR8BF8</b>

## Tema European Coupler Seal Kits



Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
3/8"	all	two O-rings and one PTFE back-up ring	<b>3TR-SKIT</b>
1/2"	all	two O-rings and one PTFE back-up ring	<b>4TR-SKIT</b>
3/4"	all	two O-rings and one PTFE back-up ring	<b>6TR-SKIT</b>
1"	all	two O-rings and one PTFE back-up ring	<b>8TR-SKIT</b>

## Plug Profiles



## Industry/Competitor Interchange

TEMA European Interchange  
TEMA 3800, 5000, 7500,  
1000 Series  
CEJN Series 525

Please contact Dixon for dust caps and dust plugs.

## HT-Series Hydraulic Couplings

## Features:

- minimizes fluid loss resulting in a cleaner, safer work environment
- Automatic, push-to-connect couplings provide high flow with low pressure drop assuring maximum hydraulic system performance.
- To reduce the possibility of accidental disconnect, the sleeve lock safety feature requires turning the collar to unlock the coupling.
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.
- conforms to ISO16028 interchange standard interchangeable with Eaton/Hansen FF, Parker FEM, Snap-tite 74, Faster FFH/2FFN/2FFI, Stucchi A/FIRG and Holmbury HQ/A/FIMC

## Flushface Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	<b>2HTF2</b>	---
	1/4" - 19 BSPP	<b>2HTBF2</b>	---
	9/16" - 18 ORB	<b>2HTOF3</b>	---
3/8"	3/8" - 18 NPTF	<b>3HTF3</b>	<b>3HTF3-SS</b>
	3/8" - 19 BSPP	<b>3HTBF3</b>	<b>3HTBF3-SS</b>
	9/16" - 18 ORB	<b>3HTOF3</b>	---
	1/2" - 14 NPTF	<b>3HTF4</b>	<b>3HTF4-SS</b>
	1/2" - 14 BSPP	<b>3HTBF4</b>	<b>3HTBF4-SS</b>
	3/4" - 16 ORB	<b>3HTOF4</b>	---
1/2"	1/2" - 14 NPTF	<b>4HTF4</b>	<b>4HTF4-SS</b>
	1/2" - 14 BSPP	<b>4HTBF4</b>	<b>4HTBF4-SS</b>
	3/4" - 16 ORB	<b>4HTOF4</b>	---
	7/8" - 14 ORB	<b>4HTOF5</b>	---
	3/4" - 14 NPTF	<b>4HTF6</b>	<b>4HTF6-SS</b>
	3/4" - 14 BSPP	<b>4HTBF6</b>	<b>4HTBF6-SS</b>
	1-1/16" - 12 ORB	<b>4HTOF6</b>	---
5/8"	7/8" - 14 ORB	<b>5HTOF5</b>	---
	3/4" - 14 NPTF	<b>5HTF6</b>	<b>5HTF6-SS</b>
	3/4" - 14 BSPP	<b>5HTBF6</b>	<b>5HTBF6-SS</b>
	1-1/16" - 12 ORB	<b>5HTOF6</b>	---
3/4"	7/8" - 14 ORB	<b>6HTOF5</b>	---
	3/4" - 14 NPTF	<b>6HTF6</b>	<b>6HTF6-SS</b>
	3/4" - 14 BSPP	<b>6HTBF6</b>	<b>6HTBF6-SS</b>
	1-1/16" - 12 ORB	<b>6HTOF6</b>	---
	1" - 11 1/2 NPTF	<b>6HTF8</b>	<b>6HTF8-SS</b>
	1" - 11 BSPP	<b>6HTBF8</b>	<b>6HTBF8-SS</b>
	1-5/16" - 12 ORB	<b>6HTOF8</b>	---
1"	1" - 11 1/2 NPTF	<b>8HTF8</b>	<b>8HTF8-SS</b>
	1" - 11 BSPP	<b>8HTBF8</b>	<b>8HTBF8-SS</b>
	1-5/16" - 12 ORB	<b>8HTOF8</b>	---
	1 1/4" - 11 1/2 NPTF	<b>8HTF10</b>	<b>8HTF10-SS</b>
	1 1/4" - 11 BSPP	<b>8HTBF10</b>	<b>8HTBF10-SS</b>
1 1/2"	1 5/8" - 12 ORB	<b>8HTOF10</b>	---
	1 1/2" - 11 1/2 NPTF	<b>12HTF12</b>	---
	1 1/2" - 11 BSPP	<b>12HTBF12</b>	---
2"	1 7/8" - 12 ORB	<b>12HTOF12</b>	---
	2" - 11 1/2 NPTF	<b>16HTF16</b>	---
	2" - 11 BSPP	<b>16HTBF16</b>	---
2"	2 1/2" - 12 ORB	<b>16HTOF16</b>	---



steel



316 stainless

## Flushface Male Threaded Couplers

Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	<b>3HTM3</b>
	1/2" - 14 NPTF	<b>3HTM4</b>
	9/16" - 18 ORB	<b>3HTOM3</b>
	3/4" - 16 ORB	<b>3HTOM4</b>
1/2"	1/2" - 14 NPTF	<b>4HTM4</b>



4HTM4



3HTOM4

## HT-Series Hydraulic Couplings

## Flushface Female Threaded Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	<b>HT2F2</b>	---
	1/4" - 19 BSPP	<b>HT2BF2</b>	---
	9/16" - 18 ORB	<b>HT2OF3</b>	---
3/8"	3/8" - 18 NPTF	<b>HT3F3</b>	<b>HT3F3-SS</b>
	3/8" - 19 BSPP	<b>HT3BF3</b>	<b>HT3BF3-SS</b>
	9/16" - 18 ORB	<b>HT3OF3</b>	---
	1/2" - 14 NPTF	<b>HT3F4</b>	<b>HT3F4-SS</b>
	1/2" - 14 BSPP	<b>HT3BF4</b>	<b>HT3BF4-SS</b>
	3/4" - 16 ORB	<b>HT3OF4</b>	---
1/2"	1/2" - 14 NPTF	<b>HT4F4</b>	<b>HT4F4-SS</b>
	1/2" - 14 BSPP	<b>HT4BF4</b>	<b>HT4BF4-SS</b>
	3/4" - 16 ORB	<b>HT4OF4</b>	---
	7/8" - 14 ORB	<b>HT4OF5</b>	---
	3/4" - 14 NPTF	<b>HT4F6</b>	<b>HT4F6-SS</b>
	3/4" - 14 BSPP	<b>HT4BF6</b>	<b>HT4BF6-SS</b>
5/8"	1-1/16" - 12 ORB	<b>HT5OF6</b>	---
	7/8" - 14 ORB	<b>HT5OF5</b>	---
	3/4" - 14 NPTF	<b>HT5F6</b>	<b>HT5F6-SS</b>
	3/4" - 14 BSPP	<b>HT5BF6</b>	<b>HT5BF6-SS</b>
3/4"	1-1/16" - 12 ORB	<b>HT6OF6</b>	---
	7/8" - 14 ORB	<b>HT6OF5</b>	---
	3/4" - 14 NPTF	<b>HT6F6</b>	<b>HT6F6-SS</b>
	3/4" - 14 BSPP	<b>HT6BF6</b>	<b>HT6BF6-SS</b>
	1" - 11 1/2 NPTF	<b>HT6F8</b>	<b>HT6F8-SS</b>
	1" - 11 BSPP	<b>HT6BF8</b>	<b>HT6BF8-SS</b>
1"	1-5/16" - 12 ORB	<b>HT8OF8</b>	---
	1" - 11 1/2 NPTF	<b>HT8F8</b>	<b>HT8F8-SS</b>
	1" - 11 BSPP	<b>HT8BF8</b>	<b>HT8BF8-SS</b>
	1-5/16" - 12 ORB	<b>HT8OF8</b>	---
	1 1/4" - 11 1/2 NPTF	<b>HT8F10</b>	<b>HT8F10-SS</b>
1 1/2"	1 1/4" - 11 BSPP	<b>HT8BF10</b>	<b>HT8BF10-SS</b>
	1 5/8" - 12 ORB	<b>HT8OF10</b>	---
	1 1/2" - 11 1/2 NPTF	<b>HT12F12</b>	---
2"	1 1/2" - 11 BSPP	<b>HT12BF12</b>	---
	1 7/8" - 12 ORB	<b>HT12OF12</b>	---
	2" - 11 1/2 NPTF	<b>HT16F16</b>	---
2"	2" - 11 BSPP	<b>HT16BF16</b>	---
	2 1/2" - 12 ORB	<b>HT16OF16</b>	---



steel



316 stainless

## Flushface Male Threaded Plugs



HT4M4



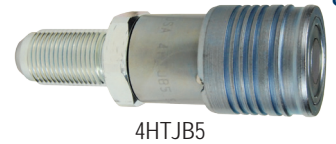
HT30M4

Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	<b>HT3M3</b>
	1/2" - 14 NPTF	<b>HT3M4</b>
	9/16" - 18 ORB	<b>HT30M3</b>
	3/4" - 16 ORB	<b>HT30M4</b>
1/2"	1/2" - 14 NPTF	<b>HT4M4</b>

HT-Series Hydraulic Couplings

Flushface Male Threaded Bulkhead Couplers

Body Size	Threads	Steel Part #
1/2"	7/8" - 14 JIC BH	<b>4HTJB5</b>
	1" - 14 ORFS BH	<b>4HTRB5</b>
	1-1/16" - 12 JIC BH	<b>4HTJB6</b>



4HTJB5



4HTRB5

Hydraulic Fittings

Flushface Male Threaded Bulkhead Plugs

Body Size	Threads	Steel Part #
1/2"	7/8" - 14 JIC BH	<b>HT4JB5</b>
	1" - 14 ORFS BH	<b>HT4RB5</b>
	1-1/16" - 12 JIC BH	<b>HT4JB6</b>



HT4JB5



HT4RB5

Flushface Coupler Dust Plugs

Body Size	Nitrile Part #
1/4"	<b>2HTDP</b>
3/8"	<b>3HTDP</b>
1/2"	<b>4HTDP</b>
5/8"	<b>5HTDP</b>
3/4"	<b>6HTDP</b>
1"	<b>8HTDP</b>



Flushface Plug Dust Caps

Body Size	Nitrile Part #
1/4"	<b>HT2DC</b>
3/8"	<b>HT3DC</b>
1/2"	<b>HT4DC</b>
5/8"	<b>HT5DC</b>
3/4"	<b>HT6DC</b>
1"	<b>HT8DC</b>



## HT-Series Hydraulic Couplings

Hydraulic Fittings

## Flushface Interchange Coupler Bulkhead Kits

Body Size	Mounting Hole	Description	Steel Part #
1/4"	1.125"	Two 360° retaining rings	<b>2HT-BMK</b>
3/8"	1.250"	Two 360° retaining rings	<b>3HT-BMK</b>
1/2"	1.560"	Two 360° retaining rings	<b>4HT-BMK</b>
5/8"	1.685"	Two 360° retaining rings	<b>5HT-BMK</b>
3/4"	1.870"	Two 360° retaining rings	<b>6HT-BMK</b>
1"	2.310"	Two 360° retaining rings	<b>8HT-BMK</b>

## Flushface Interchange Coupler Seal Kits

Body Size	Coupler Style	Description	Nitrile Part #
1/4"	all	Stem/adaptor/gland O-ring, gland B.U.	<b>2HT-SKIT</b>
3/8"	all	Stem/adaptor/gland O-ring, gland B.U.	<b>3HT-SKIT</b>
1/2"	all	Stem/adaptor/gland O-ring, gland B.U.	<b>4HT-SKIT</b>
5/8"	all	Stem/adaptor/gland O-ring, gland B.U.	<b>5HT-SKIT</b>
3/4"	all	Stem/adaptor/gland O-ring, gland B.U.	<b>6HT-SKIT</b>
1"	all	Stem/adaptor/gland O-ring, gland B.U.	<b>8HT-SKIT</b>

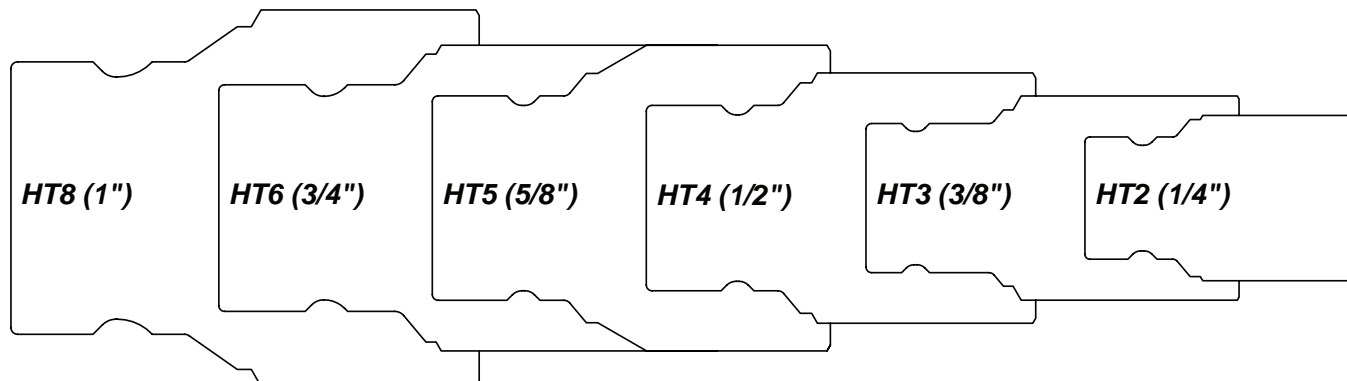
## Flushface Interchange Nipple Seal Kits

Body Size	Nipple Style	Description	Nitrile Part #
1/4"	all	Main valve seal and adapter O-ring	<b>HT2-SKIT-V2</b>
3/8"	all	Main valve seal and adapter O-ring	<b>HT3-SKIT-V2</b>
1/2"	all	Main valve seal and adapter O-ring	<b>HT4-SKIT-V2</b>
5/8"	all	Main valve seal and adapter O-ring	<b>HT5-SKIT-V2</b>
3/4"	all	Main valve seal and adapter O-ring	<b>HT6-SKIT-V2</b>
1"	all	Main valve seal and adapter O-ring	<b>HT8-SKIT-V2</b>

## Profiles

## Industry/Competitor Interchange

Parker FEM-Series, Snap-Tite 74-Series, Hansen FF, Aeroquip/Eaton FD89, Stucchi FIRG/Series 'A', FASTER FFN/FFI/2FFN/2FFI, Safeway FF49-Series



## HTE-Series Hydraulic Couplings

**Features:**

- non-linear connection force at all pressures
- no maximum connection-pressure restrictions, up to **5000 PSI**
- head pressure or valve bleed-by has minimal effect on connection force
- less susceptible to system contamination
- design is scalable performing similarly in all sizes
- smooth connection action
- connectable with trapped pressure on HTE half only
- pressure rating **5000 PSI at 70°F (21°C)**
- conforms to ISO 16028

**Connect Under Pressure Flushface Female Threaded Plug****Feature:**

- for use with HTZ or HT series couplers

Body Size	Threads	Steel Part #
3/8"	1/2"-14 NPTF	<b>HTE3F4</b>
	1/2"-14 BSPP	<b>HTE3BF4</b>
	3/4"-16 ORB	<b>HTE3OF4</b>
1/2"	1/2"-14 NPTF	<b>HTE4F4</b>
	1/2"-14 BSPP	<b>HTE4BF4</b>
	3/4"-16 ORB	<b>HTE4OF4</b>
	7/8"-14 ORB	<b>HTE4OF5</b>
	3/4"-14 NPTF	<b>HTE4F6</b>
	3/4"-14 BSPP	<b>HTE4BF6</b>
	1-1/16"-12 ORB	<b>HTE4OF6</b>
5/8"	7/8"-14 ORB	<b>HTE5OF5</b>
	3/4"-14 NPTF	<b>HTE5F6</b>
	3/4"-14 BSPP	<b>HTE5BF6</b>
	1-1/16"-12 ORB	<b>HTE5OF6</b>
3/4"	3/4"-14 NPTF	<b>HTE6F6</b>
	3/4"-14 BSPP	<b>HTE6BF6</b>
	1-1/16"-12 ORB	<b>HTE6OF6</b>
	1"-11 1/2 NPTF	<b>HTE6F8</b>
	1"-11 BSPP	<b>HTE6BF8</b>
	1-5/16"-12 ORB	<b>HTE6OF8</b>
1"	1"-11 1/2 NPTF	<b>HTE8F8</b>
	1"-11 BSPP	<b>HTE8BF8</b>
	1-5/16"-12 ORB	<b>HTE8OF8</b>
	1 1/4"-11 1/2 NPTF	<b>HTE8F10</b>
	1 1/4"-11 BSPP	<b>HTE8BF10</b>
	1 5/8"-12 ORB	<b>HTE8OF10</b>





## HTZ-Series Hydraulic Couplings

### Flush Face Female Threaded Coupler

Hydraulic Fittings

**NEW**



**Features:**

- for use with HT or HTE series plugs
- connectable with trapped pressure on HTE half only
- connect under pressure up to **1500 PSI at 70°F (21°C)**
- pressure rating **5000 PSI at 70°F (21°C)**

Body Size	Threads	Steel Part #
1/2"	1/2"-14 NPTF	<b>4HTZF4</b>
	3/4"-14 NPTF	<b>4HTZF6</b>
	3/4"-16 ORB	<b>4HTZOF4</b>
	7/8"-14 ORB	<b>4HTZOF5</b>
	1-1/16"-12 ORB	<b>4HTZOF6</b>





## ST-Series Hydraulic Couplings

## Features:

- interchangeable with Snap-Tite 71-Series
- Nitrile (Buna-N) seals standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.
- steel coupler sleeves are hardened to resist deformation and maximize service life
- steel nipples are hardened to provide heavy duty performance

## Snap-Tite 71 Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
¼"	¼" - 18 NPTF	<b>2STF2</b>	<b>2STF2-SS</b>
	¼" - 19 BSPP	<b>2STBF2</b>	<b>2STBF2-SS</b>
⅜"	¼" - 18 NPTF	<b>3STF2</b>	---
	⅜" - 18 NPTF	<b>3STF3</b>	<b>3STF3-SS</b>
	⅜" - 19 BSPP	<b>3STBF3</b>	<b>3STBF3-SS</b>
	½" - 14 NPTF	<b>3STF4</b>	<b>3STF4-SS</b>
	½" - 14 BSPP	<b>3STBF4</b>	<b>3STBF4-SS</b>
½"	½" - 14 NPTF	<b>4STF4</b>	<b>4STF4-SS</b>
	½" - 14 BSPP	<b>4STBF4</b>	<b>4STBF4-SS</b>
	¾" - 16 ORB	<b>4STOF4</b>	---
	¾" - 14 NPTF	<b>6STF6</b>	<b>6STF6-SS</b>
¾"	¾" - 14 BSPP	<b>6STBF6</b>	<b>6STBF6-SS</b>
	1-1/16" - 12 ORB	<b>6STOF6</b>	---
	1" - 11½ NPTF	<b>8STF8</b>	<b>8STF8-SS</b>
1"	1" - 11 BSPP	<b>8STBF8</b>	<b>8STBF8-SS</b>
	1-5/16" - 12 ORB	<b>8STOF8</b>	---
	1¼" - 11½ NPTF	<b>8STF10</b>	<b>8STF10-SS</b>
	1¼" - 11 BSPP	<b>8STBF10</b>	<b>8STBF10-SS</b>
	1⅝" - 12 ORB	<b>8STOF10</b>	---



steel



316 stainless

## Snap-Tite 71 Old Style Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1"	1" - 11½ NPTF	<b>8STF8-V2</b>	---
	1" - 11 BSPP	<b>8STBF8-V2</b>	---
	1¼" - 11½ NPTF	<b>8STF10-V2</b>	---
2"	1½" - 11½ NPTF	<b>16STF12</b>	---
	1½" - 11 BSPP	<b>16STBF12</b>	---
	1-7/8" - 12 ORB	<b>16STOF12</b>	---
	2" - 11½ NPTF	<b>16STF16</b>	<b>16STF16-SS</b>
	2" - 11 BSPP	<b>16STBF16</b>	---
	2½" - 12 ORB	<b>16STOF16</b>	---



steel



316 stainless

ST-Series Hydraulic Couplings

Hydraulic Fittings

Snap-Tite 71 Female Threaded Plugs



steel



316 stainless

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	<b>ST2F2</b>	<b>ST2F2-SS</b>
	1/4" - 19 BSPP	<b>ST2BF2</b>	<b>ST2BF2-SS</b>
3/8"	1/4" - 18 NPTF	<b>ST3F2</b>	---
	3/8" - 18 NPTF	<b>ST3F3</b>	<b>ST3F3-SS</b>
	3/8" - 19 BSPP	<b>ST3BF3</b>	<b>ST3BF3-SS</b>
	1/2" - 14 NPTF	<b>ST3F4</b>	<b>ST3F4-SS</b>
1/2"	1/2" - 14 BSPP	<b>ST3BF4</b>	<b>ST3BF4-SS</b>
	3/4" - 16 ORB	---	---
	1/2" - 14 NPTF	<b>ST4F4</b>	<b>ST4F4-SS</b>
	1/2" - 14 BSPP	<b>ST4BF4</b>	<b>ST4BF4-SS</b>
3/4"	3/4" - 14 NPTF	<b>ST6F6</b>	<b>ST6F6-SS</b>
	3/4" - 14 BSPP	<b>ST6BF6</b>	<b>ST6BF6-SS</b>
	1-1/16" - 12 ORB	<b>ST6OF6</b>	---
1"	1" - 11 1/2 NPTF	<b>ST8F8</b>	<b>ST8F8-SS</b>
	1" - 11 BSPP	<b>ST8BF8</b>	<b>ST8BF8-SS</b>
	1-5/16" - 12 ORB	<b>ST8OF8</b>	---
	1 1/4" - 11 1/2 NPTF	<b>ST8F10</b>	<b>ST8F10-SS</b>
	1 1/4" - 11 BSPP	<b>ST8BF10</b>	<b>ST8BF10-SS</b>
	1 5/8" - 12 ORB	<b>ST8OF10</b>	---

Snap-Tite 71 Old Style Female Threaded Plugs



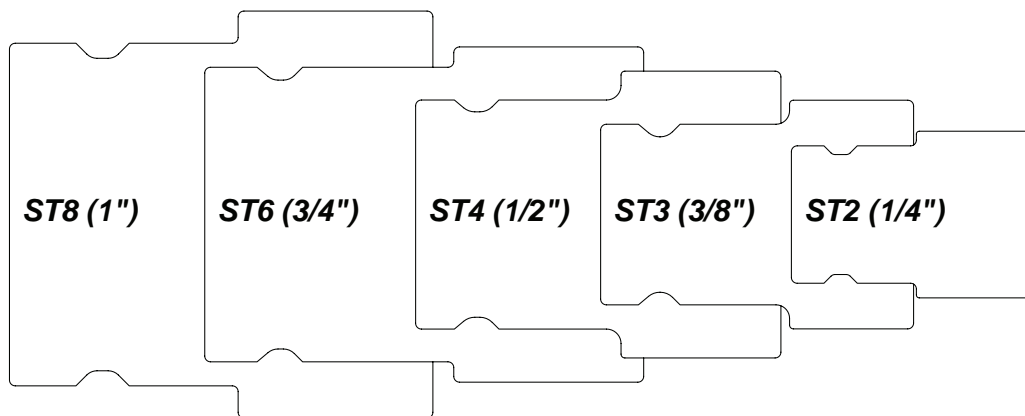
steel



316 stainless

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1"	1" - 11 1/2 NPTF	<b>ST8F8-V2</b>	---
	1" - 11 BSPP	<b>ST8BF8-V2</b>	---
	1 1/4" - 11 1/2 NPTF	<b>ST8F10-V2</b>	---
2"	1 1/2" - 11 1/2 NPTF	<b>ST16F12</b>	---
	1 1/2" - 11 BSPP	<b>ST16BF12</b>	---
	1-7/8" - 12 ORB	<b>ST16OF12</b>	---
	2" - 11 1/2 NPTF	<b>ST16F16</b>	<b>ST16F16-SS</b>
	2" - 11 BSPP	<b>ST16BF16</b>	---
	2 1/2" - 12 ORB	<b>ST16OF16</b>	---

Plug Profiles



## ST-Series Hydraulic Couplings

## Dust Plugs

Body Size	Aluminum body with steel cable Part #
1/4"	<b>2STDP-A</b>
3/8"	<b>3STDP-A</b>
1/2"	<b>4STDP-A</b>
3/4"	<b>6STDP-A</b>
1"	<b>8STDP-A</b>
1"	<b>8STDP-A-V2</b>
2"	<b>16STDP-A</b>



## Dust Caps

Body Size	Aluminum body with steel cable Part #
1/4"	<b>ST2DC-A</b>
3/8"	<b>ST3DC-A</b>
1/2"	<b>ST4DC-A</b>
3/4"	<b>ST6DC-A</b>
1"	<b>ST8DC-A</b>
1"	<b>ST8DC-A-V2</b>
2"	<b>ST16DC-A</b>



## Snap-Tite 71 Bulkhead Kits

Body Size	Mounting Hole ID	Seal Kit Contents	Steel Part #
1/4"	1.250"	two 360° retaining rings	<b>2ST-BMK</b>
3/8"	1.625"	two 360° retaining rings	<b>3ST-BMK</b>
1/2"	2.000"	two 360° retaining rings	<b>4ST-BMK</b>
3/4"	2.375"	two 360° retaining rings	<b>6ST-BMK</b>

## Snap-Tite 71 Coupler Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
1/4"	all	two seals and anti-extrusion rings	<b>2ST-SKIT</b>
3/8"	all	two seals and anti-extrusion rings	<b>3ST-SKIT</b>
1/2"	all	two seals and anti-extrusion rings	<b>4ST-SKIT</b>
3/4"	all	two seals and anti-extrusion rings	<b>6ST-SKIT</b>
1"	all	two seals and anti-extrusion rings	<b>8ST-SKIT</b>
1"	all	three seals and two anti-extrusion rings	<b>8ST-SKIT-V2</b>
2"	all	three seals and two anti-extrusion rings	<b>16ST-SKIT</b>

## Snap-Tite 71 Plug Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
1/4"	all	valve O-ring / back-up and adapter O-ring	<b>ST2-SKIT</b>
3/8"	all	valve O-ring / back-up and adapter O-ring	<b>ST3-SKIT</b>
1/2"	all	valve O-ring / back-up and adapter O-ring	<b>ST4-SKIT</b>
3/4"	all	valve O-ring / back-up and adapter O-ring	<b>ST6-SKIT</b>
1"	all	valve O-ring / back-up and adapter O-ring	<b>ST8-SKIT</b>
2"	all	main valve seal	<b>ST16-SKIT</b>

## PD-Series Diagnostic Interchange Couplings

**Features:**

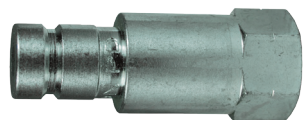
- interchangeable with ISO15171-1, Parker PD-Series, Aeroquip FD90, Tomco Series DK
- steel componentry is plated using ROHS Compliant Trivalent Chrome
- PTFE anti-extrusion ring protects main coupler O-ring from dynamic impulse pressure damage
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- pressure rating **6000 PSI at 70°F (21°C)**

**Female NPT Couplers**

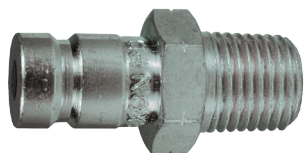
Body Size	Threads	Steel Part #
1/8"	1/8" - 27 NPT	<b>1PDF1</b>
	1/4" - 18 NPT	<b>1PDF2</b>

**Male NPT Couplers**

Body Size	Threads	Steel Part #
1/8"	1/4" - 18 NPT	<b>1PDM2</b>

**Female NPT Plugs**

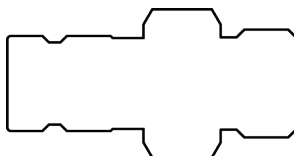
Body Size	Threads	Steel Part #
1/8"	1/8" - 27 NPT	<b>PD1F1</b>
	1/4" - 18 NPT	<b>PD1F2</b>

**Male Threaded Plugs**

Body Size	Threads	Steel Part #
1/8"	1/8" - 27 NPT	<b>PD1M1</b>
	1/4" - 18 NPT	<b>PD1M2</b>
	7/16" - 20 ORB	<b>PD1OM2</b>
	9/16" - 18 ORB	<b>PD1OM3</b>

**Dust Caps**

Body Size	Nitrile Part #
1/8"	<b>H1DC</b>

**Plug Profile**

## VEP-Series Hydraulic Couplings

**Features:**

- no-spill, flush face valve minimizes air inclusion during connection and spillage during disconnection
- thread-to-connect design and dual valve system in the plug allow for connecting under pressure
- design eliminates premature wear or brinelling commonly found with locking ball designs when subjected to high impulse pressures
- Zinc nickel plating provides superior corrosion resistance
- interchangeable with Parker FET, Stucchi VEP, DNP PST 4/FSI, Holmbury HFT
- Contact Dixon® for pressure ratings and other technical information.

**Female Threaded Couplers**

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPTF	<b>2VEPF2</b>
	1/4" - 19 BSPP	<b>2VEPBF2</b>
	9/16" - 18 ORB	<b>2VEPOF3</b>
3/8"	3/8" - 18 NPTF	<b>3VEPF3</b>
	3/8" - 19 BSPP	<b>3VEPBF3</b>
	3/4" - 16 ORB	<b>3VEPOF4</b>
	1/2" - 14 NPTF	<b>3VEPF4</b>
	1/2" - 14 BSPP	<b>3VEPBF4</b>
1/2"	1/2" - 14 NPTF	<b>4VEPF4</b>
	1/2" - 14 BSPP	<b>4VEPBF4</b>
	3/4" - 16 ORB	<b>4VEPOF4</b>
	7/8" - 14 ORB	<b>4VEPOF5</b>
	3/4" - 14 NPTF	<b>4VEPF6</b>
	3/4" - 14 BSPP	<b>4VEPBF6</b>
	1-1/16" - 12 ORB	<b>4VEPOF6</b>
3/4"	3/4" - 14 NPTF	<b>6VEPF6</b>
	3/4" - 14 BSPP	<b>6VEPBF6</b>
	1-1/16" - 12 ORB	<b>6VEPOF6</b>
1"	1" - 11 1/2 NPTF	<b>8VEPF8</b>
	1" - 11 BSPP	<b>8VEPBF8</b>
	1-5/16" - 12 ORB	<b>8VEPOF8</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	<b>10VEPF10</b>
	1 1/4" - 11 BSPP	<b>10VEPBF10</b>
	1-5/8" - 12 ORB	<b>10VEPOF10</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	<b>12VEPF12</b>
	1 1/2" - 11 BSPP	<b>12VEPBF12</b>
	1-7/8" - 12 ORB	<b>12VEPOF12</b>
2"	2" - 11 1/2 NPTF	<b>16VEPF16</b>
	2" - 11 BSPP	<b>16VEPBF16</b>
	2 1/2" - 12 ORB	<b>16VEPOF16</b>



## VEP-Series Hydraulic Couplings



## Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPTF	<b>VEP2F2</b>
	1/4" - 19 BSPP	<b>VEP2BF2</b>
	9/16" - 18 ORB	<b>VEP2OF2</b>
3/8"	3/8" - 18 NPTF	<b>VEP3F3</b>
	3/8" - 19 BSPP	<b>VEP3BF3</b>
	3/4" - 16 ORB	<b>VEP3OF4</b>
	1/2" - 14 NPTF	<b>VEP3F4</b>
	1/2" - 14 BSPP	<b>VEP3BF4</b>
1/2"	1/2" - 14 NPTF	<b>VEP4F4</b>
	1/2" - 14 BSPP	<b>VEP4BF4</b>
	3/4" - 16 ORB	<b>VEP4OF4</b>
	7/8" - 14 ORB	<b>VEP4OF5</b>
	3/4" - 14 NPTF	<b>VEP4F6</b>
	3/4" - 14 BSPP	<b>VEP4BF6</b>
	1-1/16" - 12 ORB	<b>VEP4OF6</b>
3/4"	3/4" - 14 NPTF	<b>VEP6F6</b>
	3/4" - 14 BSPP	<b>VEP6BF6</b>
	1-1/16" - 12 ORB	<b>VEP6OF6</b>
1"	1" - 11 1/2 NPTF	<b>VEP8F8</b>
	1" - 11 BSPP	<b>VEP8BF8</b>
	1-5/16" - 12 ORB	<b>VEP8OF8</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	<b>VEP10F10</b>
	1 1/4" - 11 BSPP	<b>VEP10BF10</b>
	1-5/8" - 12 ORB	<b>VEP10OF10</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	<b>VEP12F12</b>
	1 1/2" - 11 BSPP	<b>VEP12BF12</b>
	1-7/8" - 12 ORB	<b>VEP12OF12</b>
2"	2" - 11 1/2 NPTF	<b>VEP16F16</b>
	2" - 11 BSPP	<b>VEP16BF16</b>
	2 1/2" - 12 ORB	<b>VEP16OF16</b>

## Dust Plugs



Body Size	Aluminum body with steel cable Part #
1/4"	<b>2VEPDP-A</b>
3/8"	<b>3VEPDP-A</b>
1/2"	<b>4VEPDP-A</b>
3/4"	<b>6VEPDP-A</b>
1"	<b>8VEPDP-A</b>
1 1/4"	<b>10VEPDP-A</b>
1 1/2"	<b>12VEPDP-A</b>
2"	<b>16VEPDP-A</b>

## Dust Caps



Body Size	Aluminum body with steel cable Part #
1/4"	<b>VEP2DC-A</b>
3/8"	<b>VEP3DC-A</b>
1/2"	<b>VEP4DC-A</b>
3/4"	<b>VEP6DC-A</b>
1"	<b>VEP8DC-A</b>
1 1/4"	<b>VEP10DC-A</b>
1 1/2"	<b>VEP12DC-A</b>
2"	<b>VEP16DC-A</b>

VEP-Series Hydraulic Couplings

Code 62 Flange Head Coupler

Body Size	Port Size	Steel Part #
3/4"	3/4"	<b>6VEPFH6</b>
1"	1"	<b>8VEPFH8</b>
1 1/4"	1 1/4"	<b>10VEPFH10</b>
1 1/2"	1 1/2"	<b>12VEPFH12</b>
2"	2"	<b>16VEPFH16</b>



flange head coupler

Hydraulic Fittings

Code 62 Flange Head Plug

Body Size	Port Size	Steel Part #
3/4"	3/4"	<b>VEP6FH6</b>
1"	1"	<b>VEP8FH8</b>
1 1/4"	1 1/4"	<b>VEP10FH10</b>
1 1/2"	1 1/2"	<b>VEP12FH12</b>
2"	2"	<b>VEP16FH16</b>



flange head plug

Code 62 Flange Pad Coupler

Body Size	Port Size	Steel Part #
3/4"	3/4"	<b>6VEFPF6</b>
1"	1"	<b>8VEFPF8</b>
1 1/4"	1 1/4"	<b>10VEFPF10</b>
1 1/2"	1 1/2"	<b>12VEFPF12</b>
2"	2"	<b>16VEFPF16</b>



flange pad coupler

H

Code 62 Flange Pad Plug

Body Size	Port Size	Steel Part #
3/4"	3/4"	<b>VEP6FP6</b>
1"	1"	<b>VEP8FP8</b>
1 1/4"	1 1/4"	<b>VEP10FP10</b>
1 1/2"	1 1/2"	<b>VEP12FP12</b>
2"	2"	<b>VEP16FP16</b>



flange pad plug

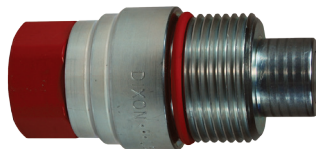
## VEP-BOP Series Hydraulic Couplings

**Features:**

- red powder coated components and external O-rings for easy BOP service identification
- steel components are plated using ROHS compliant zinc nickel
- blow-out preventer (BOP) coupling critical seals are severe service FKM
- interchangeable with VEP/VEP-HD Series, DNP FSI-BOP Series
- pressure rating **5000 PSI at 70°F (21°C)**
- BOP couplings have been fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D. Certificate available upon request.

**Female Threaded Couplers**

Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	<b>3VEPF3-BOP</b>
1/2"	1/2" - 14 NPTF	<b>4VEPF4-BOP</b>
3/4"	3/4" - 14 NPTF	<b>6VEPF6-BOP</b>
1"	1" - 11½ NPTF	<b>8VEPF8-BOP</b>
1¼"	1¼" - 11½ NPTF	<b>10VEPF10-BOP</b>
1½"	1½" - 11½ NPTF	<b>12VEPF12-BOP</b>

**Female Threaded Plugs**

Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	<b>VEP3F3-BOP</b>
1/2"	1/2" - 14 NPTF	<b>VEP4F4-BOP</b>
3/4"	3/4" - 14 NPTF	<b>VEP6F6-BOP</b>
1"	1" - 11½ NPTF	<b>VEP8F8-BOP</b>
1¼"	1¼" - 11½ NPTF	<b>VEP10F10-BOP</b>
1½"	1½" - 11½ NPTF	<b>VEP12F12-BOP</b>



## W-Series Hydraulic Couplings

**Applications:**

- Designed for applications requiring a coupling that can be connected under residual pressure with minimum spillage and air inclusion. Widely used on dump trailer wet-line hydraulic systems and oil field equipment. Not recommended for continuous hydraulic impulse applications.

**Features:**

- interchangeable with Aeroquip 5100 series, Parker 6100 series and Snap-Tite 78 series
- nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F** (**-40°C to 121°C**)
- Contact Dixon® for pressure ratings and other technical information.

**Female Threaded Couplers**

Body Size	Threads	Previous Part #	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	---	<b>2WF1-B</b>	---
3/8"	1/4" - 18 NPTF	---	<b>3WF2-B</b>	---
	3/8" - 18 NPTF	---	<b>3WF3-B</b>	---
3/4"	1/2" - 14 NPTF	---	<b>6WF4-B</b>	---
	1/2" - 14 BSPP	---	<b>6WBF4-B</b>	---
	3/4" - 14 NPTF	78-600	<b>6WF6-B</b>	---
	3/4" - 14 BSPP	---	<b>6WBF6-B</b>	---
1"	1" - 11 1/2 NPTF	78-800	<b>8WF8-B</b>	<b>8WF8</b>
	1" - 11 BSPP	---	<b>8WBF8-B</b>	---
1 1/4"	1 1/4" - 11 1/2 NPTF	78-1000	<b>10WF10-B</b>	---
	1 1/4" - 11 BSPP	---	<b>10WBF10-B</b>	---
1 1/2"	1 1/2" - 11 1/2 NPTF	78-1200	<b>12WF12-B</b>	---
	1 1/2" - 11 BSPP	---	<b>12WBF12-B</b>	---

**Hex-Nut Female Threaded Couplers**

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	<b>2WF1-B-HN</b>	---
3/8"	1/4" - 18 NPTF	<b>3WF2-B-HN</b>	---
	3/8" - 18 NPTF	<b>3WF3-B-HN</b>	---
3/4"	1/2" - 14 NPTF	<b>6WF4-B-HN</b>	---
	1/2" - 14 BSPP	<b>6WBF4-B-HN</b>	---
	3/4" - 14 NPTF	<b>6WF6-B-HN</b>	---
	3/4" - 14 BSPP	<b>6WBF6-B-HN</b>	---
1"	1" - 11 1/2 NPTF	<b>8WF8-B-HN</b>	<b>8WF8-HN</b>
	1" - 11 BSPP	<b>8WBF8-B-HN</b>	---
1 1/4"	1 1/4" - 11 1/2 NPTF	<b>10WF10-B-HN</b>	---
	1 1/4" - 11 BSPP	<b>10WBF10-B-HN</b>	---
1 1/2"	1 1/2" - 11 1/2 NPTF	<b>12WF12-B-HN</b>	---
	1 1/2" - 11 BSPP	<b>12WBF12-B-HN</b>	---

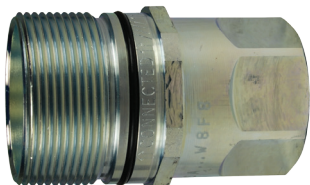


## W-Series Hydraulic Couplings

Hydraulic Fittings



brass



steel

## Female Threaded Plugs

Body Size	Threads	Previous Part #	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	---	<b>W2F1-B</b>	---
3/8"	1/4" - 18 NPTF	---	<b>W3F2-B</b>	---
	3/8" - 18 NPTF	---	<b>W3F3-B</b>	---
3/4"	1/2" - 14 NPTF	---	<b>W6F4-B</b>	---
	1/2" - 14 BSPP	---	<b>W6BF4-B</b>	---
	3/4" - 14 NPTF	79-600	<b>W6F6-B</b>	---
	3/4" - 14 BSPP	---	<b>W6BF6-B</b>	---
1"	1" - 11 1/2 NPTF	79-800	<b>W8F8-B</b>	<b>W8F8</b>
	1" - 11 BSPP	---	<b>W8BF8-B</b>	---
1 1/4"	1 1/4" - 11 1/2 NPTF	79-1000	<b>W10F10-B</b>	---
	1 1/4" - 11 BSPP	---	<b>W10BF10-B</b>	---
1 1/2"	1 1/2" - 11 1/2 NPTF	79-1200	<b>W12F12-B</b>	---
	1 1/2" - 11 BSPP	---	<b>W12BF12-B</b>	---

## Flanges



Body Size	Bolt Hole Size	Previous Part #	Steel Part #
3/4"	0.201"	77-600	<b>W6-BMF</b>
1"	0.201"	77-800	<b>W8-BMF</b>
1 1/4"	0.201"	77-1000	<b>W10-BMF</b>
1 1/2"	0.201"	77-1200	<b>W12-BMF</b>

## Dust Plugs



Body Size	Previous Part #	Steel body with steel cable Part #
1/4"	---	<b>2WDP</b>
3/8"	---	<b>3WDP</b>
3/4"	78-006	<b>6WDP</b>
1"	78-008	<b>8WDP</b>
1 1/4"	78-010	<b>10WDP</b>
1 1/2"	78-012	<b>12WDP</b>

## Dust Caps



Body Size	Previous Part #	Steel body with steel cable Part #
1/4"	---	<b>W2DC</b>
3/8"	---	<b>W3DC</b>
3/4"	79-006	<b>W6DC</b>
1"	79-008	<b>W8DC</b>
1 1/4"	79-010	<b>W10DC</b>
1 1/2"	79-012	<b>W12DC</b>

W-Series Hydraulic Couplings

Coupler Repair Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
3/4"	all	bonded valve, O-rings, and PTFE backup	<b>6W-RKIT-V2</b>
1"	all	bonded valve, O-rings, and PTFE backup	<b>8W-RKIT-V2</b>
1 1/4"	all	bonded valve, O-rings, and PTFE backup	<b>10W-RKIT-V2</b>
1 1/2"	all	bonded valve, O-rings, and PTFE backup	<b>12W-RKIT-V2</b>



Hydraulic Fittings

Plug Repair Kits

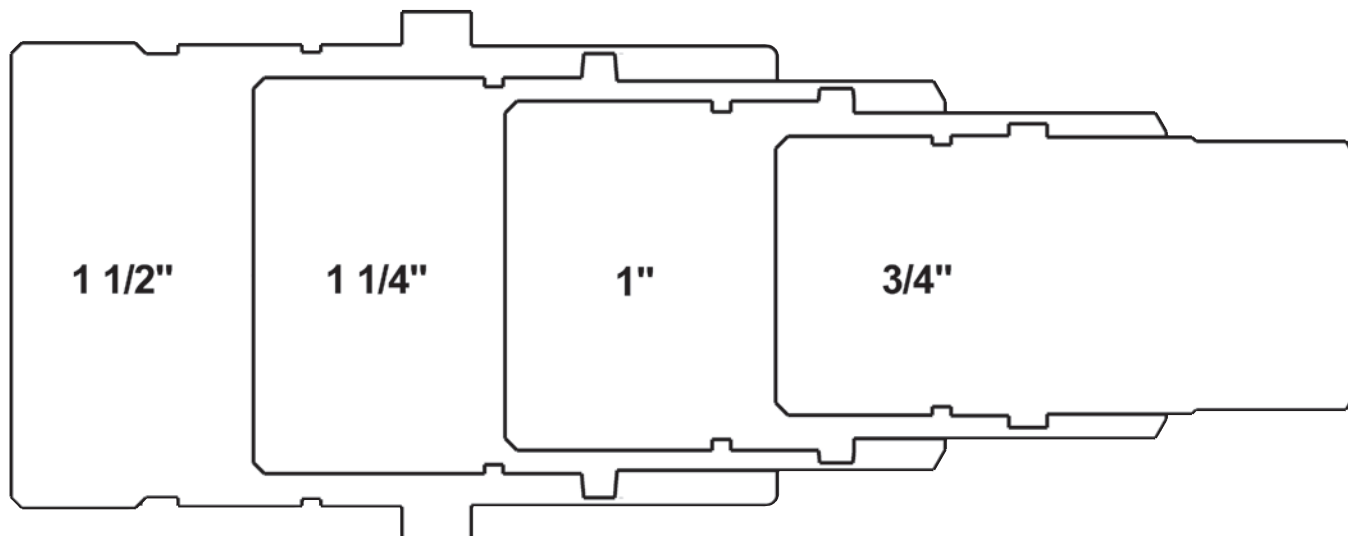
Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
3/4"	all	valve assembly and O-ring	<b>W6-RKIT-V2</b>
1"	all	valve assembly and O-ring	<b>W8-RKIT-V2</b>
1 1/4"	all	valve assembly and O-ring	<b>W10-RKIT-V2</b>
1 1/2"	all	valve assembly and O-ring	<b>W12-RKIT-V2</b>



Profiles

Industry/Competitor Interchange

Aeroquip 5100  
Parker 6100



## WS-Series Hydraulic Couplings

**Application:**

- used extensively in oil field and off shore oil rig applications

**Features:**

- interchanges with Snap-Tite 75 series
- Nitrile (Buna-N) seals standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for pressure ratings and other technical information.

**High Pressure Wingstyle Female Threaded Couplers**

steel



316 stainless

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
¾"	½" - 14 NPTF	<b>6WSF4</b>	---
	¾" - 14 NPTF	<b>6WSF6</b>	<b>6WSF6-SS</b>
	¾" - 14 BSPP	<b>6WSBF6</b>	<b>6WSBF6-SS</b>
	1-1/16" - 12 ORB	<b>6WSOF6</b>	---
1"	1" - 11½ NPTF	<b>8WSF8</b>	<b>8WSF8-SS</b>
	1" - 11 BSPP	<b>8WSBF8</b>	<b>8WSBF8-SS</b>
	1-5/16" - 12 ORB	<b>8WSOF8</b>	---
1¼"	1¼" - 11½ NPTF	<b>10WSF10</b>	<b>10WSF10-SS</b>
	1¼" - 11 BSPP	<b>10WSBF10</b>	<b>10WSBF10-SS</b>
	1⅝" - 12 ORB	<b>10WSOF10</b>	---
1½"	1½" - 11½ NPTF	<b>12WSF12</b>	<b>12WSF12-SS</b>
	1½" - 11 BSPP	<b>12WSBF12</b>	<b>12WSBF12-SS</b>
	1⅞" - 12 ORB	<b>12WSOF12</b>	---
2"	2" - 11½ NPTF	<b>16WSF16</b>	<b>16WSF16-SS</b>
	2" - 11 BSPP	<b>16WSBF16</b>	<b>16WSBF16-SS</b>
	2½" - 12 ORB	<b>16WSOF16</b>	---

**High Pressure Wingstyle Female Threaded Plugs**

steel



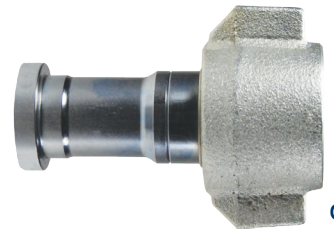
316 stainless

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
¾"	½" - 14 NPTF	<b>WS6F4</b>	---
	¾" - 14 NPTF	<b>WS6F6</b>	<b>WS6F6-SS</b>
	¾" - 14 BSPP	<b>WS6BF6</b>	<b>WS6BF6-SS</b>
	1-1/16" - 12 ORB	<b>WS6OF6</b>	---
1"	1" - 11½ NPTF	<b>WS8F8</b>	<b>WS8F8-SS</b>
	1" - 11 BSPP	<b>WS8BF8</b>	<b>WS8BF8-SS</b>
	1-5/16" - 12 ORB	<b>WS8OF8</b>	---
1¼"	1¼" - 11½ NPTF	<b>WS10F10</b>	<b>WS10F10-SS</b>
	1¼" - 11 BSPP	<b>WS10BF10</b>	<b>WS10BF10-SS</b>
	1⅝" - 12 ORB	<b>WS10OF10</b>	---
1½"	1½" - 11½ NPTF	<b>WS12F12</b>	<b>WS12F12-SS</b>
	1½" - 11 BSPP	<b>WS12BF12</b>	<b>WS12BF12-SS</b>
	1⅞" - 12 ORB	<b>WS12OF12</b>	---
2"	2" - 11½ NPTF	<b>WS16F16</b>	<b>WS16F16-SS</b>
	2" - 11 BSPP	<b>WS16BF16</b>	<b>WS16BF16-SS</b>
	2½" - 12 ORB	<b>WS16OF16</b>	---

WS-Series Hydraulic Couplings

High Pressure Wingstyle Code 62 Flange Head Coupler

Body Size	Port Size	Steel Part #
3/4"	3/4"	<b>6WSFH6</b>
1"	1"	<b>8WSFH8</b>
1 1/4"	1 1/4"	<b>10WSFH10</b>
1 1/2"	1 1/2"	<b>12WSFH12</b>
2"	2"	<b>16WSFH16</b>



Hydraulic Fittings

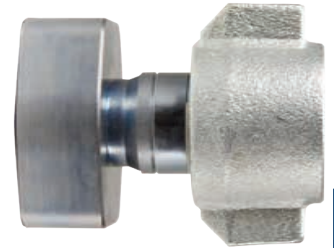
High Pressure Wingstyle Code 62 Flange Head Plug

Body Size	Port Size	Steel Part #
3/4"	3/4"	<b>WS6FH6</b>
1"	1"	<b>WS8FH8</b>
1 1/4"	1 1/4"	<b>WS10FH10</b>
1 1/2"	1 1/2"	<b>WS12FH12</b>
2"	2"	<b>WS16FH16</b>



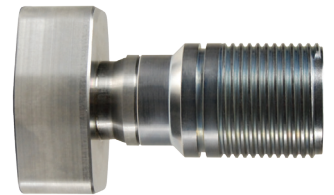
High Pressure Wingstyle Code 62 Flange Pad Coupler

Body Size	Port Size	Steel Part #
3/4"	3/4"	<b>6WSFP6</b>
1"	1"	<b>8WSFP8</b>
1 1/4"	1 1/4"	<b>10WSFP10</b>
1 1/2"	1 1/2"	<b>12WSFP12</b>
2"	2"	<b>16WSFP16</b>



High Pressure Wingstyle Code 62 Flange Pad Plug

Body Size	Port Size	Steel Part #
3/4"	3/4"	<b>WS6FP6</b>
1"	1"	<b>WS8FP8</b>
1 1/4"	1 1/4"	<b>WS10FP10</b>
1 1/2"	1 1/2"	<b>WS12FP12</b>
2"	2"	<b>WS16FP16</b>



## WS-Series Hydraulic Couplings

Hydraulic Fittings



## High Pressure Wingstyle Rigid Dust Plugs

Body Size	Aluminum body with steel cable Part #
3/4"	<b>6WSDP-A</b>
1"	<b>8WSDP-A</b>
1 1/4"	<b>10WSDP-A</b>
1 1/2"	<b>12WSDP-A</b>
2"	<b>16WSDP-A</b>

## High Pressure Wingstyle Rigid Dust Caps



Body Size	Aluminum body with steel cable Part #
3/4"	<b>WS6DC-A</b>
1"	<b>WS8DC-A</b>
1 1/4"	<b>WS10DC-A</b>
1 1/2"	<b>WS12DC-A</b>
2"	<b>WS16DC-A</b>

## High Pressure Wingstyle Coupler Seal Kits



Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
3/4"	all	body / valve seals and retaining rings	<b>6WS-SKIT</b>
1"	all	body / valve seals and retaining rings	<b>8WS-SKIT</b>
1 1/4"	all	body / valve seals and retaining rings	<b>10WS-SKIT</b>
1 1/2"	all	body / valve seals and retaining rings	<b>12WS-SKIT</b>
2"	all	body / valve seals and retaining rings	<b>16WS-SKIT</b>

## High Pressure Wingstyle Coupler Repair Kits



Body Size	Coupler Style	Repair Kit Contents	Nitrile Part #
3/4"	all	valve assembly, O-ring, and PTFE B.U.	<b>6WS-RKIT</b>
1"	all	valve assembly, O-ring, and PTFE B.U.	<b>8WS-RKIT</b>
1 1/4"	all	valve assembly, O-ring, and PTFE B.U.	<b>10WS-RKIT</b>
1 1/2"	all	valve assembly, O-ring, and PTFE B.U.	<b>12WS-RKIT</b>
2"	all	valve assembly, O-ring, and PTFE B.U.	<b>16WS-RKIT</b>

## WS-BOP Series Hydraulic Couplings

**Applications:**

- designed for use in oil rig BOP systems where couplings are required to operate under fire conditions in an emergency

**Features:**

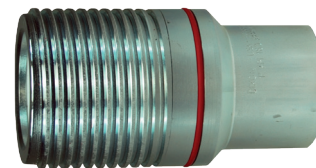
- fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D (Certificate #NAO 0601041/1)
- Contact Dixon® for pressure ratings and other technical information.
- Sleeve is cast using a process that provides better surface finishes, tighter tolerance control, and excellent repeatability.
- Blowout Preventer Couplings are individually marked with the BOP series designation.

**High Pressure Wingstyle Female Threaded Couplers**

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
¾"	½" - 14 NPTF	<b>6WSF4-BOP</b>	---
	¾" - 14 NPTF	<b>6WSF6-BOP</b>	<b>6WSF6-SS-BOP</b>
1"	1" - 11½ NPTF	<b>8WSF8-BOP</b>	<b>8WSF8-SS-BOP</b>
1¼"	1¼" - 11½ NPTF	<b>10WSF10-BOP</b>	<b>10WSF10-SS-BOP</b>
1½"	1½" - 11½ NPTF	<b>12WSF12-BOP</b>	<b>12WSF12-SS-BOP</b>
2"	2" - 11½ NPTF	<b>16WSF16-BOP</b>	<b>16WSF16-SS-BOP</b>

**High Pressure Wingstyle Female Threaded Plugs**

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
¾"	½" - 14 NPTF	<b>WS6F4-BOP</b>	---
	¾" - 14 NPTF	<b>WS6F6-BOP</b>	<b>WS6F6-SS-BOP</b>
1"	1" - 11½ NPTF	<b>WS8F8-BOP</b>	<b>WS8F8-SS-BOP</b>
1¼"	1¼" - 11½ NPTF	<b>WS10F10-BOP</b>	<b>WS10F10-SS-BOP</b>
1½"	1½" - 11½ NPTF	<b>WS12F12-BOP</b>	<b>WS12F12-SS-BOP</b>
2"	2" - 11½ NPTF	<b>WS16F16-BOP</b>	<b>WS16F16-SS-BOP</b>

**High Pressure Wingstyle Seal Kits**

Body Size	Coupler Style	Repair Kit Contents	FR FKM Part #
¾"	all	body / valve seals and retaining rings	<b>6BOP-SKIT</b>
1"	all	body / valve seals and retaining rings	<b>8BOP-SKIT</b>
1¼"	all	body / valve seals and retaining rings	<b>10BOP-SKIT</b>
1½"	all	body / valve seals and retaining rings	<b>12BOP-SKIT</b>
2"	all	body / valve seals and retaining rings	<b>16BOP-SKIT</b>



## T-Series Hydraulic Couplings

**Applications:**

- Designed for high pressure applications including hydraulic rams and pumps where low flow and pressures up to 10,000 PSI are encountered.

**Features:**

- interchangeable with Parker 3000 and Enerpac C 604
- nitrile O-ring with TPC-ET back up ring standard providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- both poppet valve and ball valve styles available

**Female NPTF Ball Coupler**

Body Size	Threads	Steel	
		Previous Part #	Part #
3/8"	3/8" - 18 NPTF	30-300F	<b>3TF3</b>

**Male NPTF Ball Couplers**

Body Size	Threads	Previous Part #	Steel Part #	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	30-200	<b>2TM2</b>	---	---
3/8"	3/8" - 18 NPTF	30-300	<b>3TM3</b>	3/8" - 18 NPT	<b>3TM3-SS</b>

**Male NPTF Poppet Couplers**

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPT	<b>3TM3-PV</b>	<b>3TM3-SS-PV</b>

**Female NPTF Ball Plugs**

Body Size	Threads	Previous Part #	Steel Part #	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	31-200	<b>T2F2</b>	---	---
3/8"	3/8" - 18 NPTF	31-300	<b>T3F3</b>	3/8" - 18 NPT	<b>T3F3-SS</b>

**Female NPTF Poppet Plugs**

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPT	<b>T3F3-PV</b>	<b>T3F3-SS-PV</b>



T-Series Hydraulic Couplings

Dust Plugs

Body Size	Previous Part #	Steel body with rubber lanyard Part #
1/4"	30-200DP	<b>2TDP</b>
3/8"	30-300DP	<b>3TDP</b>



Dust Caps

Body Size	Previous Part #	Steel body with steel cable Part #
1/4"	31-200DC	<b>T2DC</b>
3/8"	31-300DC	<b>T3DC</b>



Ball Coupler Seal Kits

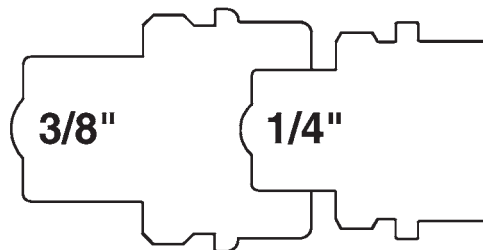
Body Size	Coupler Style	Seal Kit Contents	Urethane Part #
1/4"	ball valve	body seal	<b>2T-SKIT</b>
3/8"	ball valve	body seal	<b>3T-SKIT</b>



Plug Profiles

Industry/Competitor Interchange

Parker 3000  
Enerpac C604



## CVV-Series Hydraulic Couplings

## Features:

- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for pressure ratings and other technical information.
- interchangeable with European Screw-Together, Inteva STG-Series, Faster CVV-Series, DNP PVV3, Voswinkel Type-HS

## European Female Threaded Couplers

Body Size	Threads	Steel Part #
¼"	¼" - 18 NPTF	<b>2CVVF2</b>
	¼" - 19 BSPP	<b>2CVVBF2</b>
	M14X1.5	<b>2CVVFM1415</b>
⅜"	⅜" - 18 NPTF	<b>3CVVF3</b>
	⅜" - 19 BSPP	<b>3CVVBF3</b>
	M16X1.5	<b>3CVVFM1615</b>
½"	½" - 14 NPTF	<b>4CVVF4</b>
	¾" - 16 ORB	<b>4CVVOF4</b>
	½" - 14 BSPP	<b>4CVVBF4</b>
	M18X1.5	<b>4CVVFM1815</b>
	⅞" - 14 ORB	<b>4CVVOF5</b>
¾"	M22X1.5	<b>4CVVFM2215</b>
	¾" - 14 NPTF	<b>6CVVF6</b>
	¾" - 14 BSPP	<b>6CVVBF6</b>
1"	M22X1.5	<b>6CVVFM2215</b>
	1" - 11½ NPTF	<b>8CVVF8</b>
	1" - 11 BSPP	<b>8CVVBF8</b>
1¼"	1¼" - 11½ NPTF	<b>10CVVF10</b>
	1¼" - 11 BSPP	<b>10CVVBF10</b>



## European Female Threaded Plugs

Body Size	Threads	Steel Part #
¼"	¼" - 18 NPTF	<b>CVV2F2</b>
	¼" - 19 BSPP	<b>CVV2BF2</b>
	M14X1.5	<b>CVV2FM1415</b>
⅜"	⅜" - 18 NPTF	<b>CVV3F3</b>
	⅜" - 19 BSPP	<b>CVV3BF3</b>
	M16X1.5	<b>CVV3FM1615</b>
½"	½" - 14 NPTF	<b>CVV4F4</b>
	¾" - 16 ORB	<b>CVV4OF4</b>
	½" - 14 BSPP	<b>CVV4BF4</b>
	M18X1.5	<b>CVV4FM1815</b>
	⅞" - 14 ORB	<b>CVV4OF5</b>
¾"	M22X1.5	<b>CVV4FM2215</b>
	¾" - 14 NPTF	<b>CVV6F6</b>
	¾" - 14 BSPP	<b>CVV6BF6</b>
1"	M22X1.5	<b>CVV6FM2215</b>
	1" - 11½ NPTF	<b>CVV8F8</b>
	1" - 11 BSPP	<b>CVV8BF8</b>
1¼"	1¼" - 11½ NPTF	<b>CVV10F10</b>
	1¼" - 11 BSPP	<b>CVV10BF10</b>



## CVV-Series Hydraulic Couplings

## European Dust Plugs

Body Size	Plastic Part #
1/4"	<b>2CVVDP</b>
3/8"	<b>3CVVDP</b>
1/2"	<b>4CVVDP</b>
3/4"	<b>6CVVDP</b>
1"	<b>8CVVDP</b>
1 1/4"	<b>10CVVDP</b>



Hydraulic Fittings


## European Dust Caps

Body Size	Plastic Part #
1/4"	<b>CVV2DC</b>
3/8"	<b>CVV3DC</b>
1/2"	<b>CVV4DC</b>
3/4"	<b>CVV6DC</b>
1"	<b>CVV8DC</b>
1 1/4"	<b>CVV10DC</b>



## E-Series Hydraulic Couplings

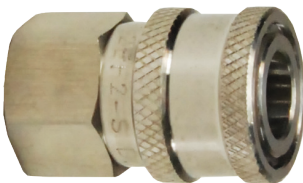
**Features:**

- couplers have no internal valves which provide maximum flow with minimum pressure drop
- nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F** (-40°C to 121°C)
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.
- interchanges with Parker ST, Hannifin SST/BST, Foster FST, Hansen ST, and Tomco ST couplings
- *Do not disconnect with pressure in line.* 

### Straight Through Female Threaded Couplers



brass



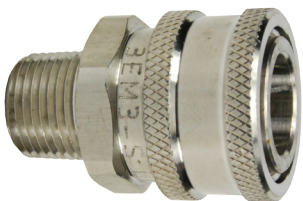
303 stainless

Body Size	Threads	Brass		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>1EF1-B</b>	---	<b>1EF1-S</b>
1/4"	1/4" - 18 NPTF	STFC2	<b>2EF2-B</b>	STFC2SS	<b>2EF2-S</b>
	1/4" - 19 BSPP	---	<b>2EBF2-B</b>	---	---
3/8"	3/8" - 18 NPTF	STFC3	<b>3EF3-B</b>	STFC3SS	<b>3EF3-S</b>
	3/8" - 19 BSPP	---	<b>3EBF3-B</b>	---	---
1/2"	1/2" - 14 NPTF	STFC4	<b>4EF4-B</b>	STFC4SS	<b>4EF4-S</b>
	1/2" - 14 BSPP	---	<b>4EBF4-B</b>	---	---
3/4"	3/4" - 14 NPTF	STFC6	<b>6EF6-B</b>	STFC6SS	<b>6EF6-S</b>
	3/4" - 14 BSPP	---	<b>6EBF6-B</b>	---	---
1"	1" - 11 1/2 NPTF	STFC8	<b>8EF8-B</b>	STFC8SS	<b>8EF8-S</b>
	1" - 11 BSPP	---	<b>8EBF8-B</b>	---	---
1 1/4"	1 1/4" - 11 1/2 NPTF	STFC10	<b>10EF10-B</b>	---	<b>10EF10-S</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	STFC12	<b>12EF12-B</b>	---	<b>12EF12-S</b>
2"	2" - 11 1/2 NPTF	STFC16	<b>16EF16-B</b>	---	<b>16EF16-S</b>

### Straight Through Male Threaded Couplers



brass



303 stainless

Body Size	Threads	Brass		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>1EM1-B</b>	---	<b>1EM1-S</b>
1/4"	1/4" - 18 NPTF	STMC2	<b>2EM2-B</b>	STMC2SS	<b>2EM2-S</b>
3/8"	3/8" - 18 NPTF	STMC3	<b>3EM3-B</b>	STMC3SS	<b>3EM3-S</b>
1/2"	1/2" - 14 NPTF	STMC4	<b>4EM4-B</b>	STMC4SS	<b>4EM4-S</b>
3/4"	3/4" - 14 NPTF	STMC6	<b>6EM6-B</b>	STMC6SS	<b>6EM6-S</b>
1"	1" - 11 1/2 NPTF	STMC8	<b>8EM8-B</b>	STMC8SS	<b>8EM8-S</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	STMC10	<b>10EM10-B</b>	---	---
1 1/2"	1 1/2" - 11 1/2 NPTF	STMC12	<b>12EM12-B</b>	---	---
2"	2" - 11 1/2 NPTF	STMC16	<b>16EM16-B</b>	---	---

### Straight Through Hose Barb Couplers

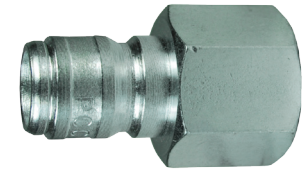


Body Size	Hose ID	Brass Part #
1/4"	1/4"	<b>2ES2-B</b>
3/8"	3/8"	<b>3ES3-B</b>
1/2"	1/2"	<b>4ES4-B</b>
3/4"	3/4"	<b>6ES6-B</b>
1"	1"	<b>8ES8-B</b>

E-Series Hydraulic Couplings

Straight Through Female Threaded Plugs

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>E1F1</b>	---	<b>E1F1-B</b>
1/4"	1/4" - 18 NPTF	STFP2	<b>E2F2</b>	STFP2B	<b>E2F2-B</b>
	1/4" - 19 BSPP	---	---	---	<b>E2BF2-B</b>
3/8"	3/8" - 18 NPTF	STFP3	<b>E3F3</b>	STFP3B	<b>E3F3-B</b>
	3/8" - 19 BSPP	---	---	---	<b>E3BF3-B</b>
1/2"	1/2" - 14 NPTF	STFP4	<b>E4F4</b>	STFP4B	<b>E4F4-B</b>
	1/2" - 14 BSPP	---	---	---	<b>E4BF4-B</b>
3/4"	3/4" - 14 NPTF	---	<b>E6F6</b>	---	<b>E6F6-B</b>
	3/4" - 14 BSPP	---	---	---	<b>E6BF6-B</b>
1"	1" - 11 1/2 NPTF	STFP8	<b>E8F8</b>	STFP8B	<b>E8F8-B</b>
	1" - 11 BSPP	---	---	---	<b>E8BF8-B</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	STFP10	<b>E10F10</b>	---	<b>E10F10-B</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	STFP12	<b>E12F12</b>	---	<b>E12F12-B</b>
2"	2" - 11 1/2 NPTF	STFP16	<b>E16F16</b>	---	<b>E16F16-B</b>



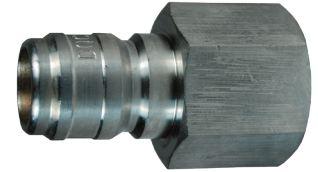
steel



brass

Hydraulic Fittings

Body Size	Threads	303 Stainless Steel	
		Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>E1F1-S</b>
1/4"	1/4" - 18 NPTF	STFP2SS	<b>E2F2-S</b>
3/8"	3/8" - 18 NPTF	STFP3SS	<b>E3F3-S</b>
1/2"	1/2" - 14 NPTF	STFP4SS	<b>E4F4-S</b>
3/4"	3/4" - 14 NPTF	---	<b>E6F6-S</b>
1"	1" - 11 1/2 NPTF	STFP8SS	<b>E8F8-S</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	---	<b>E10F10-S</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	---	<b>E12F12-S</b>
2"	2" - 11 1/2 NPTF	---	<b>E16F16-S</b>

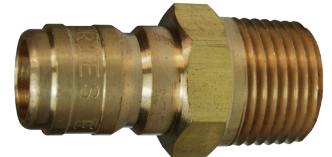


Straight Through Male Threaded Plugs

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>E1M1</b>	---	<b>E1M1-B</b>
1/4"	1/4" - 18 NPTF	STMP2	<b>E2M2</b>	STMP2B	<b>E2M2-B</b>
3/8"	3/8" - 18 NPTF	STMP3	<b>E3M3</b>	STMP3B	<b>E3M3-B</b>
1/2"	1/2" - 14 NPTF	STMP4	<b>E4M4</b>	STMP4B	<b>E4M4-B</b>
3/4"	3/4" - 14 NPTF	STMP6	<b>E6M6</b>	STMP6B	<b>E6M6-B</b>
1"	1" - 11 1/2 NPTF	STMP8	<b>E8M8</b>	STMP8B	<b>E8M8-B</b>
1 1/4"	1 1/4" - 11 1/2 NPTF	STMP10	<b>E10M10</b>	---	<b>E10M10-B</b>
1 1/2"	1 1/2" - 11 1/2 NPTF	STMP12	<b>E12M12</b>	---	<b>E12M12-B</b>
2"	2" - 11 1/2 NPTF	STMP16	<b>E16M16</b>	---	<b>E16M16-B</b>



steel



brass

Body Size	Threads	303 Stainless Steel	
		Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	<b>E1M1-S</b>
1/4"	1/4" - 18 NPTF	STMP2SS	<b>E2M2-S</b>
3/8"	3/8" - 18 NPTF	STMP3SS	<b>E3M3-S</b>
1/2"	1/2" - 14 NPTF	STMP4SS	<b>E4M4-S</b>
3/4"	3/4" - 14 NPTF	STMP6SS	<b>E6M6-S</b>
1"	1" - 11 1/2 NPTF	STMP8SS	<b>E8M8-S</b>



E-Series Hydraulic Couplings

Hydraulic Fittings



steel



brass

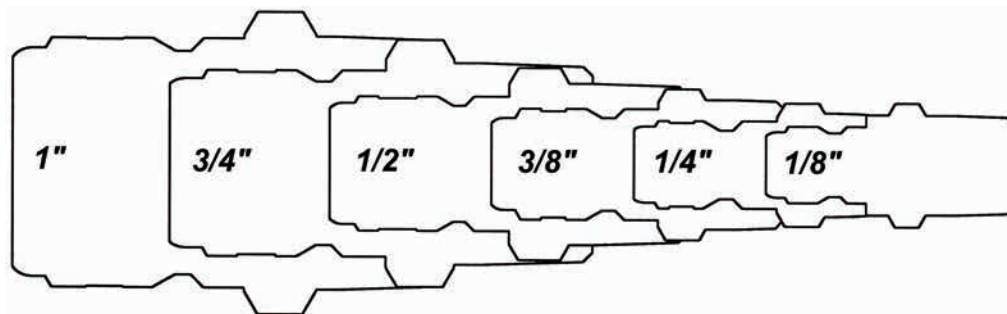
Straight Through Hose Barb Plugs

Body Size	Hose ID	Steel Part #	Brass Part #
1/4"	1/4"	<b>E2S2</b>	<b>E2S2-B</b>
3/8"	3/8"	<b>E3S3</b>	<b>E3S3-B</b>
1/2"	1/2"	<b>E4S4</b>	<b>E4S4-B</b>
3/4"	3/4"	<b>E6S6</b>	<b>E6S6-B</b>
1"	1"	<b>E8S8</b>	<b>E8S8-B</b>

Straight Through Coupler Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #	FKM Part #	EPDM Part #
1/4"	all	body O-ring	<b>2E-SKIT</b>	<b>F-2E-SKIT</b>	<b>P-2E-SKIT</b>
3/8"	all	body O-ring	<b>3E-SKIT</b>	<b>F-3E-SKIT</b>	<b>P-3E-SKIT</b>
1/2"	all	body O-ring	<b>4E-SKIT</b>	<b>F-4E-SKIT</b>	<b>P-4E-SKIT</b>
3/4"	all	body O-ring	<b>6E-SKIT</b>	<b>F-6E-SKIT</b>	<b>P-6E-SKIT</b>
1"	all	body O-ring	<b>8E-SKIT</b>	<b>F-8E-SKIT</b>	<b>P-8E-SKIT</b>
1 1/4"	all	body O-ring	<b>10E-SKIT</b>	<b>F-10E-SKIT</b>	<b>P-10E-SKIT</b>
1 1/2"	all	body O-ring	<b>12E-SKIT</b>	<b>F-12E-SKIT</b>	<b>P-12E-SKIT</b>
2"	all	body O-ring	<b>16E-SKIT</b>	<b>F-16E-SKIT</b>	<b>P-16E-SKIT</b>

Plug Profiles



Industry/Competitor Interchange

Foster FST  
Parker ST  
Hansen ST

EA-Series Hydraulic Couplings

Features:

- plug mounted sleeve guard protects against accidental disconnection
- smooth bore full-flow design ensures maximum flow with minimal pressure drop
- steel body components maximize service life by resisting the effects of brinelling and internal erosion
- heavy duty knurled sleeve with locking pin provides maximum protection against brinelling and accidental disconnection
- nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F** (-40°C to 121°C)
- interchangeable with Parker WB, Aeroquip FD69, and Snap Tite 56
- pressure rating **10000 PSI at 70°F (21°C)**

Water-Blast Couplers

Body Size	Female Threads	Steel Part #
1/2"	3/8" - 18 NPTF	<b>4EAF3</b>
1/2"	1/2" - 14 NPTF	<b>4EAF4</b>



Water-Blast Plugs

Body Size	Female Threads	Steel Part #
1/2"	3/8" - 18 NPTF	<b>EA4F3</b>
1/2"	1/2" - 14 NPTF	<b>EA4F4</b>



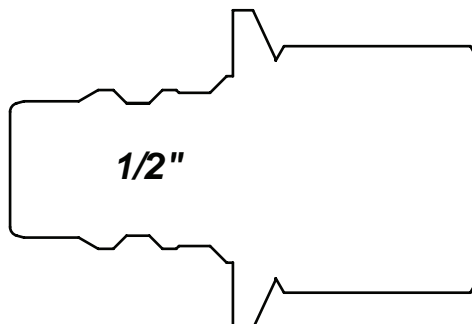
Water-Blast Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
1/2"	all	body O-ring and PTFE back-up	<b>4EA-SKIT</b>

Body Size	Coupler Style	Seal Kit Contents	FKM Part #
1/2"	all	body O-ring and PTFE back-up	<b>F-4EA-SKIT</b>

Body Size	Coupler Style	Seal Kit Contents	EPDM Part #
1/2"	all	body O-ring and PTFE back-up	<b>P-4EA-SKIT</b>

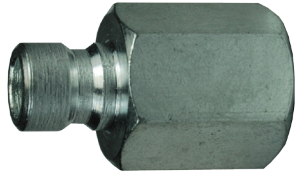
Plug Profile



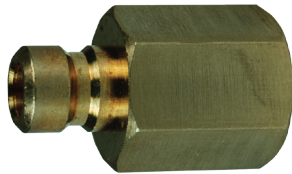
## CM-Series Hydraulic Couplings

**Features:**

- interchangeable with Foster Series- FJT, Hansen Flo-Temp, Tomco MC-Series, Parker Moldmate, DME Jiffy-Tite
- silicone gaskets and valve O-rings standard providing a temperature range **-90°F to 400°F (-68°C to 205°C)**
- Contact Dixon® for pressure ratings and other technical information.



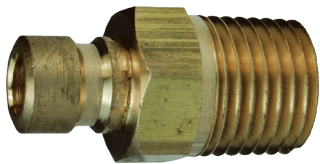
steel



brass

**Industrial Mold Plug Female NPTF**

Body Size	Threads	Steel Part #	Brass Part #
1/4"	1/8" - 27 NPTF	<b>CM2F1</b>	<b>CM2F1-B</b>
	1/4" - 18 NPTF	<b>CM2F2</b>	<b>CM2F2-B</b>
	3/8" - 18 NPTF	<b>CM2F3</b>	<b>CM2F3-B</b>
3/8"	1/4" - 18 NPTF	<b>CM3F2</b>	<b>CM3F2-B</b>
	3/8" - 18 NPTF	<b>CM3F3</b>	<b>CM3F3-B</b>
1/2"	1/2" - 14 NPTF	---	<b>CM4F4-B</b>
	3/4" - 14 NPTF	---	<b>CM4F6-B</b>

**Industrial Mold Plug Male NPTF**

Body Size	Threads	Brass Part #
1/4"	1/8" - 27 NPTF	<b>CM2M1-B</b>
	1/4" - 18 NPTF	<b>CM2M2-B</b>
	3/8" - 18 NPTF	<b>CM2M3-B</b>
3/8"	1/4" - 18 NPTF	<b>CM3M2-B</b>
	3/8" - 18 NPTF	<b>CM3M3-B</b>
	1/2" - 14 NPTF	<b>CM3M4-B</b>
1/2"	1/2" - 14 NPTF	<b>CM4M4-B</b>
	3/4" - 14 NPTF	<b>CM4M6-B</b>

**Industrial Mold Extension Plug Male NPTF**

Body Size	Threads	Brass Part #
1/4"	1/8" - 27 NPTF	<b>CM2M1-B-L2.5</b>
	1/8" - 27 NPTF	<b>CM2M1-B-L4</b>
	1/8" - 27 NPTF	<b>CM2M1-B-L5.5</b>
	1/4" - 18 NPTF	<b>CM2M2-B-L2.5</b>
	1/4" - 18 NPTF	<b>CM2M2-B-L4</b>
	1/4" - 18 NPTF	<b>CM2M2-B-L5.5</b>
	1/4" - 18 NPTF	<b>CM2M2-B-L7</b>
3/8"	1/8" - 27 NPTF	<b>CM3M1-B-L2.5</b>
	1/8" - 27 NPTF	<b>CM3M1-B-L4</b>
	1/8" - 27 NPTF	<b>CM3M1-B-L5.5</b>
	1/8" - 27 NPTF	<b>CM3M1-B-L7</b>
	1/4" - 18 NPTF	<b>CM3M2-B-L2.5</b>
	1/4" - 18 NPTF	<b>CM3M2-B-L4</b>
	1/4" - 18 NPTF	<b>CM3M2-B-L5.5</b>
	1/4" - 18 NPTF	<b>CM3M2-B-L7</b>
	1/4" - 18 NPTF	<b>CM3M2-B-L8.5</b>
	1/4" - 18 NPTF	<b>CM3M2-B-L11.5</b>



## CM-Series Hydraulic Couplings

## Industrial Mold Unvalved Coupler Female NPTF

Body Size	Threads	Brass Part #
1/4"	1/8" - 27 NPTF	<b>2CMF1-B-E</b>
	1/4" - 18 NPTF	<b>2CMF2-B-E</b>
3/8"	1/4" - 18 NPTF	<b>3CMF2-B-E</b>
	3/8" - 18 NPTF	<b>3CMF3-B-E</b>
1/2"	1/2" - 14 NPTF	<b>4CMF4-B-E</b>



## Industrial Mold Valved Coupler Female NPTF

Body Size	Threads	Brass Part #
1/4"	1/8" - 27 NPTF	<b>2CMF1-B</b>
3/8"	1/4" - 18 NPTF	<b>3CMF2-B</b>



## Industrial Mold Unvalved Coupler Hose Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	<b>2CMS2-B-E</b>
	5/16"	<b>2CMS2.5-B-E</b>
	3/8"	<b>2CMS3-B-E</b>
3/8"	3/8"	<b>3CMS3-B-E</b>
	1/2"	<b>3CMS4-B-E</b>
1/2"	1/2"	<b>4CMS4-B-E</b>
	3/4"	<b>4CMS6-B-E</b>



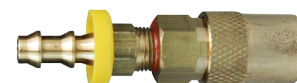
## Industrial Mold Valved Coupler Hose Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	<b>2CMS2-B</b>
	5/16"	<b>2CMS2.5-B</b>
	3/8"	<b>2CMS3-B</b>
3/8"	3/8"	<b>3CMS3-B</b>
	1/2"	<b>3CMS4-B</b>



## Industrial Mold Unvalved Coupler Push-Loc Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	<b>2CMB2-B-E</b>
	3/8"	<b>2CMB3-B-E</b>
3/8"	3/8"	<b>3CMB3-B-E</b>
	1/2"	<b>3CMB4-B-E</b>
1/2"	1/2"	<b>4CMB4-B-E</b>
	3/4"	<b>4CMB6-B-E</b>



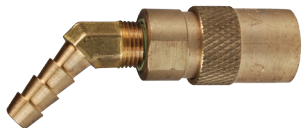
## Industrial Mold Valved Coupler Push-Loc Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	<b>2CMB2-B</b>
	3/8"	<b>2CMB3-B</b>
3/8"	3/8"	<b>3CMB3-B</b>
	1/2"	<b>3CMB4-B</b>



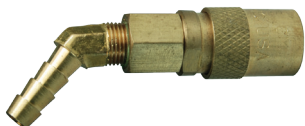
## CM-Series Hydraulic Couplings

## Industrial Mold Unvalved Coupler 45° Hose Barb



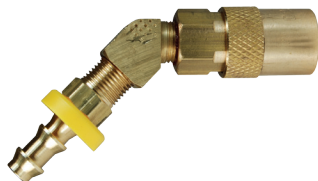
Body Size	Hose ID	Brass Part #
1/4"	1/4"	<b>2CM4S2-B-E</b>
	5/16"	<b>2CM4S2.5-B-E</b>
	3/8"	<b>2CM4S3-B-E</b>
3/8"	3/8"	<b>3CM4S3-B-E</b>
	1/2"	<b>3CM4S4-B-E</b>
1/2"	1/2"	<b>4CM4S4-B-E</b>
	3/4"	<b>4CM4S6-B-E</b>

## Industrial Mold Valved Coupler 45° Hose Barb



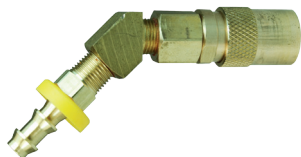
Body Size	Hose ID	Brass Part #
1/4"	1/4"	<b>2CM4S2-B</b>
	3/8"	<b>2CM4S3-B</b>
3/8"	3/8"	<b>3CM4S3-B</b>
	1/2"	<b>3CM4S4-B</b>

## Industrial Mold Unvalved Coupler 45° Push-Loc Barb



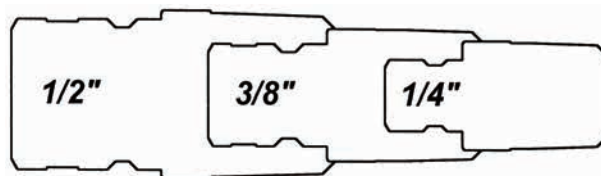
Body Size	Hose ID	Brass Part #
1/4"	1/4"	<b>2CM4B2-B-E</b>
	3/8"	<b>2CM4B3-B-E</b>
3/8"	3/8"	<b>3CM4B3-B-E</b>
	1/2"	<b>3CM4B4-B-E</b>
1/2"	1/2"	<b>4CM4B4-B-E</b>
	3/4"	<b>4CM4B6-B-E</b>

## Industrial Mold Valved Coupler 45° Push-Loc Barb



Body Size	Hose ID	Brass Part #
1/4"	1/4"	<b>2CM4B2-B</b>
	3/8"	<b>2CM4B3-B</b>
3/8"	3/8"	<b>3CM4B3-B</b>
	1/2"	<b>3CM4B4-B</b>

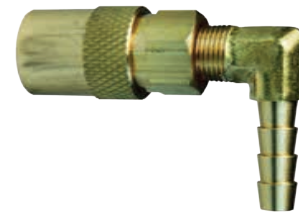
## Plug Profiles



CM-Series Hydraulic Couplings

Industrial Mold Unvalved Coupler 90° Hose Barb

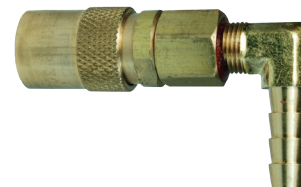
Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM9S2-B-E
	5/16"	2CM9S2.5-B-E
	3/8"	2CM9S3-B-E
3/8"	3/8"	3CM9S3-B-E
	1/2"	3CM9S4-B-E
1/2"	1/2"	4CM9S4-B-E
	3/4"	4CM9S6-B-E



Hydraulic Fittings

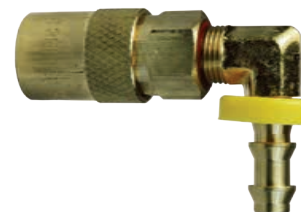
Industrial Mold Valved Coupler 90° Hose Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM9S2-B
	5/16"	2CM9S2.5-B
	3/8"	2CM9S3-B
3/8"	3/8"	3CM9S3-B
	1/2"	3CM9S4-B



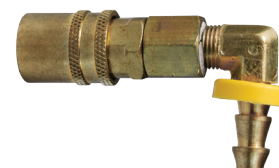
Industrial Mold Unvalved Coupler 90° Push-Loc Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM9B2-B-E
	3/8"	2CM9B3-B-E
3/8"	3/8"	3CM9B3-B-E
	1/2"	3CM9B4-B-E
1/2"	1/2"	4CM9B4-B-E
	3/4"	4CM9B6-B-E



Industrial Mold Valved Coupler 90° Push-Loc Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM9B2-B
	3/8"	2CM9B3-B
3/8"	3/8"	3CM9B3-B
	1/2"	3CM9B4-B



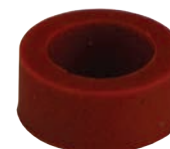
Industrial Mold Interchange Dust Plugs

Body Size	Lanyard	Brass Part #
1/4"	N/A	2CMPC-B
3/8"	N/A	3CMPC-B
1/2"	N/A	4CMPC-B



Industrial Mold Coupler Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Silicone Part #
1/4"	all	body seal	2CM-SKIT
3/8"	all	body seal	3CM-SKIT
1/2"	all	body seal	4CM-SKIT



## Flat Face

## Male Unions



## Features:

- reference SAE 520101
- pressure rating at 70°F (21°C)

Male 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)



Male Flat Face	Male SAE O-ring Boss	PSI	Zinc Plated Steel 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	7/8"-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 Flat Face	Male NPTF	PSI	Zinc Plated Steel Part #
9/16"-18	1/4"-18	5000	FS2404-4-4
11/16"-16	3/8"-18	4000	FS2404-6-6
13/16"-16	1/2"-14	3000	FS2404-8-8
1-3/16"-12	3/4"-14	2500	FS2404-12-12
1-7/16"-12	1"-11 1/2	2000	FS2404-16-16

## Male x Female Swivel Nut 90° Elbows

## Features:

- reference SAE 520221
- pressure rating at 70°F (21°C)



Male Flat Face	Female Flat Face	PSI	Zinc Plated Steel 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

## Features:

- reference SAE 520220
- pressure rating at 70°F (21°C)



Male Flat Face	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
9/16"-18	7/16"-20	5000	FS6801-4-4
11/16"-16	9/16"-18	5000	FS6801-6-6
13/16"-16	3/4"-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	¼"-18	<b>5000</b>	<b>FS2501-4-4</b>
11/16"-16	¾"-18	<b>4000</b>	<b>FS2501-6-6</b>
13/16"-16	½"-14	<b>3000</b>	<b>FS2501-8-8</b>
1-3/16"-12	¾"-14	<b>2500</b>	<b>FS2501-12-12</b>
1-7/16"-12	1"-11½"	<b>2000</b>	<b>FS2501-16-16</b>



## Male Union Tees

**Features:**

- reference SAE 520401
- pressure rating at **70°F (21°C)**

Male Flat Face	Male Flat Face	Male Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	9/16"-18	9/16"-18	<b>6000</b>	<b>FS2603-4</b>
11/16"-16	11/16"-16	11/16"-16	<b>6000</b>	<b>FS2603-6</b>
13/16"-16	13/16"-16	13/16"-16	<b>6000</b>	<b>FS2603-8</b>
1"-14	1"-14	1"-14	<b>6000</b>	<b>FS2603-10</b>
1-3/16"-12	1-3/16"-12	1-3/16"-12	<b>6000</b>	<b>FS2603-12</b>
1-7/16"-12	1-7/16"-12	1-7/16"-12	<b>6000</b>	<b>FS2603-16</b>



## Male x Female Swivel x Male Run Tees

**Features:**

- reference SAE 520432
- pressure rating at **70°F (21°C)**

Male Flat Face	Female Flat Face Swivel	Male Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	9/16"-18	9/16"-18	<b>4500</b>	<b>FS6602-4</b>
11/16"-16	11/16"-16	11/16"-16	<b>4000</b>	<b>FS6602-6</b>
13/16"-16	13/16"-16	13/16"-16	<b>4000</b>	<b>FS6602-8</b>
1"-14	1"-14	1"-14	<b>3000</b>	<b>FS6602-10</b>
1-3/16"-12	1-3/16"-12	1-3/16"-12	<b>3000</b>	<b>FS6602-12</b>
1-7/16"-12	1-7/16"-12	1-7/16"-12	<b>2500</b>	<b>FS6602-16</b>



## Caps

**Features:**

- reference SAE 520112
- pressure rating at **70°F (21°C)**

Female Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	<b>6000</b>	<b>FS304C-4</b>
11/16"-16	<b>6000</b>	<b>FS304C-6</b>
13/16"-16	<b>6000</b>	<b>FS304C-8</b>
1"-14	<b>6000</b>	<b>FS304C-10</b>
1-3/16"-12	<b>6000</b>	<b>FS304C-12</b>
1-7/16"-12	<b>6000</b>	<b>FS304C-16</b>



## Plugs

**Features:**

- reference SAE 520109
- pressure rating at **70°F (21°C)**

Male Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	<b>6000</b>	<b>FS2408-4</b>
11/16"-16	<b>6000</b>	<b>FS2408-6</b>
13/16"-16	<b>6000</b>	<b>FS2408-8</b>
1"-14	<b>6000</b>	<b>FS2408-10</b>
1-3/16"-12	<b>6000</b>	<b>FS2408-12</b>
1-7/16"-12	<b>6000</b>	<b>FS2408-16</b>



O-ring Boss

Port Reducers

Feature:

- pressure rating at 70°F (21°C)



Male SAE O-ring Boss	Female O-ring Port	PSI	Zinc Plated Steel Part #
9/16"-18	7/16"-20	5000	6410-6-4
9/16"-18	3/4"-16	4500	6410-6-8
3/4"-16	7/8"-14	3500	6410-8-10
3/4"-16	9/16"-18	4500	6410-8-6
7/8"-14	1-1/16"-12	3500	6410-10-12
7/8"-14	3/4"-16	3500	6410-10-8
1-1/16"-12	7/8"-14	3000	6410-12-10
1-1/16"-12	1-5/16"-12	3000	6410-12-16

Adjustable Unions

Feature:

- pressure rating at 70°F (21°C)

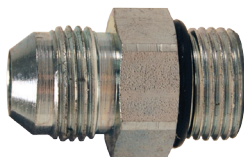


Male O-ring Boss	Adjustable O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	4500	6403-4
9/16"-18	9/16"-18	4000	6403-6
3/4"-16	3/4"-16	4000	6403-8
7/8"-14	7/8"-14	3000	6403-10
1-1/16"-12	1-1/16"-12	3000	6403-12
1-5/16"-12	1-5/16"-12	2500	6403-16

Male JIC x Male SAE

Features:

- reference SAE 070120
- pressure rating at 70°F (21°C)



Male JIC	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	1231-04-04
7/16"-20	9/16"-18	5000	1231-04-06
7/16"-20	3/4"-16	4500	1231-04-08
1/2"-20	1/2"-20	5000	1231-05-05
9/16"-18	7/16"-20	5000	1231-06-04
9/16"-18	9/16"-18	5000	1231-06-06
9/16"-18	3/4"-16	4500	1231-06-08
9/16"-18	7/8"-14	3500	1231-06-10
3/4"-16	9/16"-18	4500	1231-08-06
3/4"-16	3/4"-16	4500	1231-08-08
3/4"-16	7/8"-14	3500	1231-08-10
3/4"-16	1-1/16"-12	3500	1231-08-12
7/8"-14	3/4"-16	3500	1231-10-08
7/8"-14	7/8"-14	3500	1231-10-10
7/8"-14	1-1/16"-12	3500	1231-10-12
1-1/16"-12	7/8"-14	3500	1231-12-10
1-1/16"-12	1-1/16"-12	3500	1231-12-12
1-1/16"-12	1-5/16"-12	3000	1231-12-16
1-5/16"-12	1-1/16"-12	3000	1231-16-12
1-5/16"-12	1-5/16"-12	3000	1231-16-16
1-5/16"-12	1 5/8"-12	2500	1231-16-20
1 5/8"-12	1-5/16"-12	2500	1231-20-16
1 5/8"-12	1 5/8"-12	2500	1231-20-20

Male x Male NPTF

Feature:

- pressure rating at 70°F (21°C)



Male SAE O-ring Boss	Male NPTF Pipe Adapter	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"-18	5000	6401-4-4
9/16"-18	1/4"-18	4000	6401-6-4
9/16"-18	3/8"-18	4000	6401-6-6
9/16"-18	1/2"-14	3000	6401-6-8
3/4"-16	3/8"-18	3000	6401-8-6
3/4"-16	1/2"-14	3000	6401-8-8
7/8"-14	1/2"-14	3000	6401-10-8
1-1/16"-12	3/4"-14	2500	6401-12-12
1-5/16"-12	1"-11 1/2	2000	6401-16-16

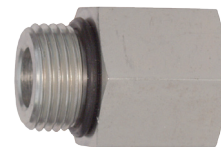
## O-ring Boss (ORB)

## Male x Female NPTF

## Feature:

- pressure rating at **70°F (21°C)**

Male SAE O-ring Boss	Female NPTF Pipe	PSI	Zinc Plated Steel Part #
7/16"-20	1/8"-27	5000	6405-4-2
7/16"-20	1/4"-18	5000	6405-4-4
7/16"-20	3/8"-18	4000	6405-4-6
9/16"-18	1/4"-18	4000	6405-6-4
9/16"-18	3/8"-18	4000	6405-6-6
9/16"-18	1/2"-14	3000	6405-6-8
3/4"-16	3/8"-18	4000	6405-8-6
3/4"-16	1/2"-14	3000	6405-8-8
7/8"-14	1/4"-18	3000	6405-10-4
7/8"-14	1/2"-14	3000	6405-10-8
7/8"-14	3/4"-14	2500	6405-10-12
1-1/16"-12	1/2"-14	3000	6405-12-8
1-1/16"-12	3/4"-14	2500	6405-12-12
1-1/16"-12	1"-11 1/2	2000	6405-12-16
1-5/16"-12	3/4"-14	2500	6405-16-12
1-5/16"-12	1"-11 1/2	2000	6405-16-16
1-5/16"-12	1 1/4"-11 1/2	1150	6405-16-20
1 5/8"-12	1"-11 1/2	2000	6405-20-16
1 5/8"-12	1 1/4"-11 1/2	1150	6405-20-20



## 90° Male SAE x Male JIC Elbows

## Features:

- reference SAE 070220
- 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	1238-04-04
7/16"-20	9/16"-18	5000	1238-04-06
9/16"-18	7/16"-20	5000	1238-06-04
9/16"-18	9/16"-18	5000	1238-06-06
3/4"-16	9/16"-18	4500	1238-08-06
3/4"-16	3/4"-16	4500	1238-08-08
3/4"-16	7/8"-14	3500	1238-08-10
7/8"-14	3/4"-16	3500	1238-10-08
7/8"-14	7/8"-14	3500	1238-10-10
7/8"-14	1-1/16"-12	3500	1238-10-12
1-1/16"-12	7/8"-14	3500	1238-12-10
1-1/16"-12	1-1/16"-12	3500	1238-12-12
1-1/16"-12	1-5/16"-12	3000	1238-12-16
1-5/16"-16	1-1/16"-12	3000	1238-16-12
1-5/16"-12	1-5/16"-12	3000	1238-16-16
1 5/8"-12	1-5/16"-12	2500	1238-20-16
1 5/8"-12	1 5/8"-12	2500	1238-20-20
1 5/8"-12	1 7/8"-12	2000	1238-24-24



## 90° SAE x Female NPSM Swivel Nut Elbows

## Features:

- reference SAE 140257
- pressure rating at **70°F (21°C)**

Male SAE O-ring Boss	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"-18	4500	6901-4-4
7/16"-20	3/8"-18	4000	6901-4-6
9/16"-18	1/4"-18	4000	6901-6-4
9/16"-18	3/8"-18	4000	6901-6-6
9/16"-18	1/2"-14	4000	6901-6-8
3/4"-16	3/8"-18	3500	6901-8-6
3/4"-16	1/2"-14	4000	6901-8-8
3/4"-16	3/4"-14	3000	6901-8-12
7/8"-14	1/2"-14	3500	6901-10-8
7/8"-14	3/4"-14	3000	6901-10-12
1-1/16"-12	1/2"-14	3500	6901-12-8
1-1/16"-12	3/4"-14	3000	6901-12-12
1-1/16"-12	1"-11 1/2	2500	6901-12-16
1-5/16"-12	3/4"-14	3000	6901-16-12
1-5/16"-12	1"-11 1/2	2500	6901-16-16
1-5/16"-12	1 1/4"-11 1/2	2000	6901-16-20
1 5/8"-12	1 1/4"-11 1/2	2000	6901-20-20



## O-ring Boss (ORB) 45° Male SAE x Male JIC Elbows

**Features:**

- reference SAE 070320
- pressure rating at **70°F (21°C)**



Male SAE O-ring Boss	Male JIC	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	1240-04-04
9/16"-18	9/16"-18	5000	1240-06-06
9/16"-18	3/4"-16	4500	1240-06-08
3/4"-16	9/16"-18	4500	1240-08-06
3/4"-16	3/4"-16	4500	1240-08-08
3/4"-16	7/8"-14	3500	1240-08-10
7/8"-14	3/4"-16	3500	1240-10-08
7/8"-14	7/8"-14	3500	1240-10-10
7/8"-14	1-1/16"-12	3500	1240-10-12
1-1/16"-12	7/8"-14	3500	1240-12-10
1-1/16"-12	1-1/16"-12	3500	1240-12-12
1-1/16"-12	1-5/16"-12	3000	1240-12-16
1-5/16"-12	1-5/16"-12	3000	1240-16-16
1 5/8"-12	1-5/16"-12	2500	1240-20-16
1 5/8"-12	1 5/8"-12	2500	1240-20-20

## Male 37° Flare x Male Branch Tees

**Features:**

- reference SAE 070429
- pressure rating at **70°F (21°C)**



(2) Male JIC 37°	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	6803-4
9/16"-18	9/16"-18	5000	6803-6
3/4"-16	3/4"-16	4500	6803-8
7/8"-14	7/8"-14	3500	6803-10
1-1/16"-12	1-1/16"-12	3500	6803-12
1-5/16"-12	1-5/16"-12	3000	6803-16

## SAE Plugs

**Features:**

- reference SAE 090109A
- pressure rating at **70°F (21°C)**

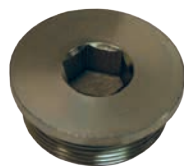


Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	5000	1255-04H
9/16"-18	5000	1255-06H
3/4"-16	4500	1255-08H
7/8"-14	3500	1255-10H
1-1/16"-12	3500	1255-12H
1-5/16"-12	3000	1255-16H
1 5/8"-12	2500	1255-20H
1 7/8"-12	2000	1255-24H
2 1/2"-12	1500	1255-32H

## Hollow Hex Plugs

**Features:**

- reference SAE 090109B
- requires Allen wrench
- pressure rating at **70°F (21°C)**



Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	5000	6408HHP-4
9/16"-18	5000	6408HHP-6
3/4"-16	4500	6408HHP-8
7/8"-14	3500	6408HHP-10
1-1/16"-12	3500	6408HHP-12
1-5/16"-12	3000	6408HHP-16
1 5/8"-12	2500	6408HHP-20
1 7/8"-12	1500	6408HHP-24
2 1/2"-12	1500	6408HHP-32



## 37° JIC

Male x Male

## Features:

- reference SAE 070101
- pressure rating at **70°F (21°C)**

Male JIC 37°	Male JIC 37°	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	1204-04-04
9/16"-18	9/16"-18	5000	1204-06-06
3/4"-16	7/16"-20	4500	1204-08-04
3/4"-16	3/4"-16	4500	1204-08-08
7/8"-14	3/4"-16	3500	1204-10-08
7/8"-14	7/8"-14	3500	1204-10-10
1-1/16"-12	3/4"-16	3500	1204-12-08
1-1/16"-12	7/8"-14	3500	1204-12-10
1-1/16"-12	1-1/16"-12	3500	1204-12-12
1-5/16"-12	1-1/16"-12	3000	1204-16-12
1-5/16"-12	1-5/16"-12	3000	1204-16-16
1 5/8"-12	1 5/8"-12	2500	1204-20-20
1 7/8"-12	1 7/8"-12	2000	1204-24-24



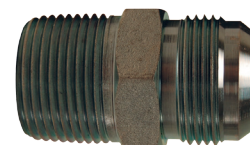
Hydraulic Fittings

## Male Flare x Male NPTF

## Features:

- reference SAE 070102
- pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male NPTF	PSI	Zinc Plated Steel Part #	316 Stainless Steel Part #
7/16"-20	1/8"-27	4500	2404-4-2	---
7/16"-20	1/4"-18	4500	2404-4-4	SS2404-4-4
7/16"-20	3/8"-18	4000	2404-4-6	---
7/16"-20	1/2"-18	3000	2404-4-8	---
1/2"-20	1/8"-27	4000	2404-5-2	---
9/16"-18	1/8"-27	4000	2404-6-2	---
9/16"-18	1/4"-18	4000	2404-6-4	---
9/16"-18	3/8"-18	4000	2404-6-6	SS2404-6-6
9/16"-18	1/2"-14	3000	2404-6-8	---
3/4"-16	1/4"-18	4000	2404-8-4	---
3/4"-16	3/8"-18	4000	2404-8-6	---
3/4"-16	1/2"-14	3000	2404-8-8	SS2404-8-8
3/4"-16	3/4"-14	2500	2404-8-12	---
7/8"-14	1/2"-14	3000	2404-10-8	---
7/8"-14	3/4"-14	2500	2404-10-12	---
1-1/16"-12	1/2"-14	3000	2404-12-8	---
1-1/16"-12	3/4"-14	2500	2404-12-12	SS2404-12-12
1-1/16"-12	1"-11 1/2	2000	2404-12-16	---
1-5/16"-12	3/4"-14	2500	2404-16-12	---
1-5/16"-12	1"-11 1/2	2000	2404-16-16	SS2404-16-16
1 5/8"-12	1 1/4"-11 1/2	1150	2404-20-20	---
1 7/8"-12	1 1/2"-11 1/2	1000	2404-24-24	---
2 1/2"-12	2"-11 1/2	1000	2404-32-32	---



## Male Flare x Female NPTF

## Features:

- reference SAE 070103
- pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Female NPTF	PSI	Zinc Plated Steel Part #	316 Stainless Steel Part #
7/16"-20	1/8"-27	4500	2405-4-2	---
7/16"-20	1/4"-18	4500	2405-4-4	SS2405-4-4
9/16"-18	1/4"-18	4000	2405-6-4	---
9/16"-18	3/8"-18	4000	2405-6-6	SS2405-6-6
9/16"-18	1/2"-14	3000	2405-6-8	---
3/4"-16	3/8"-18	4000	2405-8-6	---
3/4"-16	1/2"-14	3000	2405-8-8	SS2405-8-8
3/4"-16	3/4"-14	2500	2405-8-12	---
7/8"-14	1/2"-14	3000	2405-10-8	---
1-1/16"-12	3/4"-14	2500	2405-12-12	SS2405-12-12
1-1/16"-12	1"-11 1/2	2000	2405-12-16	---
1-5/16"-12	1"-11 1/2	2000	2405-16-16	SS2405-16-16
1 5/8"-12	1 1/4"-11 1/2	1150	2405-20-20	---



## 37° JIC

## Female Swivel x Male NPTF

## Feature:

- pressure rating at 70°F (21°C)

Female JIC 37° Swivel	Male NPTF Pipe	PSI	Zinc Plated Steel Part #
7/16"-20	1/8"-27	4500	6505-4-2
7/16"-20	1/4"-18	4500	6505-4-4
1/2"-20	1/4"-18	4000	6505-5-4
9/16"-18	1/4"-18	4000	6505-6-4
9/16"-18	3/8"-18	4000	6505-6-6
3/4"-16	3/8"-18	4000	6505-8-6
3/4"-16	1/2"-14	3000	6505-8-8
7/8"-14	1/2"-14	3000	6505-10-8
7/8"-14	3/4"-14	2500	6505-10-12
1-1/16"-12	1/2"-14	3000	6505-12-8
1-1/16"-12	3/4"-14	2500	6505-12-12
1-5/16"-12	3/4"-14	2500	6505-16-12
1-5/16"-12	1"-1/2	2000	6505-16-16
1 5/8"-12	1 1/4"-11 1/2	1150	6505-20-20
1 7/8"-12	1 1/2"-11 1/2	1000	6505-24-24
2 1/2"-12	2"-11 1/2	1000	6505-32-32



Hydraulic Fittings

## Female Swivel x Female NPTF

## Feature:

- pressure rating at 70°F (21°C)

Female JIC 37° Swivel	Female NPTF	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"-18	4500	6506-4-4
7/16"-20	3/8"-18	4000	6506-4-6
9/16"-18	1/4"-18	4000	6506-6-4
9/16"-18	3/8"-18	4000	6506-6-6
3/4"-16	1/2"-14	3000	6506-8-8
7/8"-14	1/2"-14	3000	6506-10-8
1-1/16"-12	3/4"-14	2500	6506-12-12
1-5/16"-12	1" 11/2	2000	6506-16-16



## 90° Male Flare Elbows

## Features:

- reference SAE 070201
- pressure rating at 70°F (21°C)

Male JIC 37° Flare	Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	1234-04-04
9/16"-18	9/16"-18	5000	1234-06-06
3/4"-16	3/4"-16	4500	1234-08-08
7/8"-14	7/8"-14	3500	1234-10-10
1-1/16"-12	1-1/16"-12	3500	1234-12-12
1-5/16"-12	1-5/16"-12	3000	1234-16-16
1 5/8"-12	1 5/8"-12	2500	1234-20-20



## 90° Male Flare x Female Flare Swivel Elbows

## Features:

- reference SAE 070221
- pressure rating at 70°F (21°C)

Male 37° JIC Flare	Female 37° JIC Swivel	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	6500-4
9/16"-18	9/16"-18	5000	6500-6
9/16"-18	7/16"-20	5000	6500-6-4
9/16"-18	3/4"-16	4500	6500-6-8
3/4"-16	3/4"-16	4500	6500-8
3/4"-16	9/16"-18	4500	6500-8-6
3/4"-16	7/8"-14	3500	6500-8-10
7/8"-14	7/8"-14	3500	6500-10
1-1/16"-12	1-1/16"-12	3500	6500-12
1-1/16"-12	7/8"-14	3500	6500-12-10
1-5/16"-12	1-5/16"-12	3000	6500-16
1 5/8"-12	1 5/8"-12	2500	6500-20



## 37° JIC

## 90° Male Flare x Male NPTF Elbows

## Features:

- reference SAE 070202
- pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male NPTF	PSI	Zinc Plated Steel Part #	316 Stainless Steel Part #
7/16"-20	1/8"-27	4500	2501-4-2	---
7/16"-20	1/4"-18	4500	2501-4-4	SS2501-4-4
7/16"-20	3/8"-18	4000	2501-4-6	---
9/16"-18	1/8"-27	4000	2501-6-2	---
9/16"-18	1/4"-18	4000	2501-6-4	---
9/16"-18	3/8"-18	4000	2501-6-6	SS2501-6-6
9/16"-18	1/2"-14	3000	2501-6-8	---
3/4"-16	1/4"-18	4000	2501-8-4	---
3/4"-16	3/8"-18	4000	2501-8-6	---
3/4"-16	1/2"-14	3000	2501-8-8	SS2501-8-8
3/4"-16	3/4"-14	2500	2501-8-12	---
7/8"-14	1/2"-14	3000	2501-10-8	---
7/8"-14	3/4"-14	2500	2501-10-12	---
1-1/16"-12	1/2"-14	3000	2501-12-8	---
1-1/16"-12	3/4"-14	2500	2501-12-12	SS2501-12-12
1-1/16"-12	1"-11 1/2	2000	2501-12-16	---
1-5/16"-12	3/4"-14	2500	2501-16-12	---
1-5/16"-12	1"-11 1/2	2000	2501-16-16	SS2501-16-16
1 5/8"-12	1"-11 1/2	2000	2501-20-16	---
1 5/8"-12	1 1/4"-11 1/2	1150	2501-20-20	---
1 7/8"-12	1 1/2"-11 1/2	1000	2501-24-24	---
2 1/2"-12	2"-11 1/2	1000	2501-32-32	---



## 90° Female Swivel x Male NPTF Elbows

## Feature:

- pressure rating at **70°F (21°C)**

Female JIC 37° Swivel	Male NPTF	PSI	Zinc Plated Steel Part #
7/16"-20	1/8"-27	4500	6501-4-2
7/16"-20	1/4"-18	4500	6501-4-4
1/2"-20	1/8"-27	4000	6501-5-2
9/16"-18	1/4"-18	4000	6501-6-4
9/16"-18	3/8"-18	4000	6501-6-6
3/4"-16	3/8"-18	4000	6501-8-6
3/4"-16	1/2"-14	3000	6501-8-8
7/8"-14	1/2"-14	3000	6501-10-8
1-1/16"-12	3/4"-14	2500	6501-12-12
1-3/16"-12	3/4"-14	2500	6501-14-12
1-5/16"-12	1"-11 1/2	2000	6501-16-16
1 5/8"-12	1 1/4"-11 1/2	1150	6501-20-20
1 7/8"-12	1 1/2"-11 1/2	1000	6501-24-24
2 1/2"-12	2"-11 1/2	1000	6501-32-32



## 45° Male Flare x Female Swivel Elbows

## Features:

- reference SAE 070321
- pressure rating at **70°F (21°C)**

Male JIC 37°	Female JIC 37° Swivel	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	4500	6502-4
9/16"-18	9/16"-18	4000	6502-6
3/4"-16	3/4"-16	4000	6502-8
7/8"-14	7/8"-14	3000	6502-10
1 1/16"-12	1 1/16"-12	3000	6502-12
1 5/16"-12	1 5/16"-12	2500	6502-16
1 5/8"-12	1 5/8"-12	2000	6502-20



## 37° JIC

## 45° Male Flare x Male NPTF Elbows

## Features:

- reference SAE 070302
- pressure rating at 70°F (21°C)



Male JIC 37° Flare	Male NPTF	PSI	Zinc Plated Steel Part #
7/16"-20	1/8"-27	4500	2503-4-2
7/16"-20	1/4"-18	4500	2503-4-4
9/16"-18	1/4"-18	4000	2503-6-4
9/16"-18	3/8"-18	4000	2503-6-6
3/4"-16	1/4"-18	4000	2503-8-4
3/4"-16	3/8"-18	4000	2503-8-6
3/4"-16	1/2"-14	3000	2503-8-8
7/8"-14	1/2"-14	3000	2503-10-8
7/8"-14	3/4"-14	2500	2503-10-12
1-1/16"-12	3/4"-14	2500	2503-12-12
1-5/16"-12	3/4"-14	2500	2503-16-12
1-5/16"-12	1"-11 1/2	2000	2503-16-16

## Male Flare Union Tees

## Features:

- reference SAE 070401
- pressure rating at 70°F (21°C)



Male JIC 37° Flare (3)	PSI	Zinc Plated Steel Part #
7/16"-20	5000	2603-4
9/16"-18	5000	2603-6
3/4"-16	4500	2603-8
7/8"-14	3500	2603-10
1-1/16"-12	3500	2603-12
1-5/16"-12	3000	2603-16

## Male Flare x Female Swivel Tees

## Features:

- reference SAE 070433
- pressure rating at 70°F (21°C)



Male JIC 37° 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 070432
- 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	6602-4
9/16"-18	9/16"-18	4000	6602-6
3/4"-16	3/4"-16	4000	6602-8
7/8"-14	7/8"-14	3000	6602-10
1-1/16"-12	1-1/16"-12	3000	6602-12
1-5/16"-12	1-5/16"-12	2500	6602-16
1 5/8"-12	1 5/8"-12	2000	6602-20

## Male Flare x Male NPTF Branch Tees

## Features:

- reference SAE070425
- pressure rating at 70°F (21°C)



Male JIC 37° Flare (2)	Male NPTF	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"-18	5000	2601-4-4-4
9/16"-18	1/4"-18	5000	2601-6-6-4
9/16"-18	3/8"-18	4000	2601-6-6-6
3/4"-16	1/2"-14	3000	2601-8-8-8
7/8"-14	1/2"-14	3000	2601-10-10-8
1-1/16"-12	3/4"-14	2500	2601-12-12-12
1-5/16"-12	1"-11 1/2	2000	2601-16-16-16

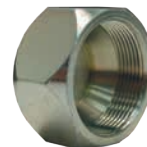
## 37° JIC

## Flare Caps

## Features:

- reference SAE 070112
- pressure rating at **70°F (21°C)**

Female JIC 37° Flare	Tube OD	PSI	Zinc Plated Steel Part #
5/16"-24	1/8"	5000	0304C-2
7/16"-20	1/4"	5000	0304C-4
9/16"-18	3/8"	5000	0304C-6
3/4"-16	1/2"	4500	0304C-8
7/8"-14	5/8"	3500	0304C-10
1-1/16"-12	3/4"	3500	0304C-12
1-5/16"-12	1"	3000	0304C-16
1 5/8"-12	1 1/4"	2500	0304C-20
1 7/8"-12	1 1/2"	2000	0304C-24
2 1/2"-12	2"	1500	0304C-32



## Flare Tube Nuts

## Features:

- reference SAE 070110
- pressure rating at **70°F (21°C)**

Female JIC 37° Flare	Tube OD	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"	5000	0318-4
9/16"-18	3/8"	5000	0318-6
3/4"-16	1/2"	4500	0318-8
7/8"-14	5/8"	3500	0318-10
1-1/16"-12	3/4"	3500	0318-12
1-5/16"-12	1"	3000	0318-16



## Screw Thread Plugs

## Features:

- reference SAE 070109
- pressure rating at **70°F (21°C)**

Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
5/16"-24	5000	1254-02H
7/16"-20	5000	1254-04H
9/16"-18	5000	1254-06H
3/4"-16	4500	1254-08H
7/8"-14	3500	1254-10H
1-1/16"-12	3500	1254-12H
1-5/16"-12	3000	1254-16H
1 5/8"-12	2500	1254-20H



## Flare Tube Sleeves

## Features:

- reference SAE 070115
- pressure rating at **70°F (21°C)**

Female JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	5000	0319-4
9/16"-18	5000	0319-6
3/4"-16	4500	0319-8
7/8"-14	3500	0319-10
1-1/16"-12	3500	0319-12
1-5/16"-12	3000	0319-16

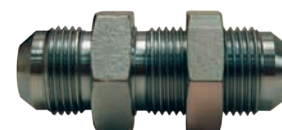


## Flare Bulkhead Unions with Lock Nut

## Features:

- reference SAE 070601
- pressure rating at **70°F (21°C)**

Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	5000	2700LN-4
9/16"-18	5000	2700LN-6
3/4"-16	4500	2700LN-8
7/8"-14	3500	2700LN-10
1-1/16"-12	3500	2700LN-12
1-5/16"-12	3000	2700LN-16



## 37° JIC

## Flare 90° Bulkhead Elbow with Lock Nuts



## Features:

- reference SAE 070701
- pressure rating at 70°F (21°C)

Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	5000	2701LN-4
9/16"-18	5000	2701LN-6
3/4"-16	4500	2701LN-8
7/8"-14	3500	2701LN-10
1-1/16"-12	3500	2701LN-12
1-5/16"-12	3000	2701LN-16

## Flare Bulkhead Lock Nuts

## Features:

- 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
7/8"-14	5/8"	3500	0306-10
1-1/16"-12	3/4"	3500	0306-12
1-5/16"-12	1"	3000	0306-16

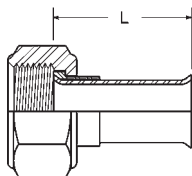
## Weld End Metal Hose Fittings

### Straight Female

All fittings have 316 seamless stainless steel tubes

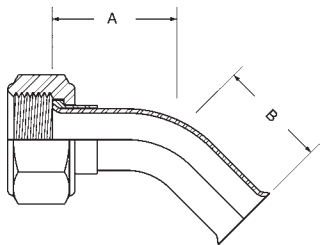
**Feature:**

- pressure rating at 70°F (21°C)



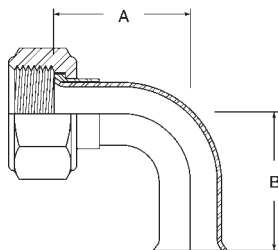
Female SAE 37° JIC	Tube OD	Pressure Rating PSI at 70°F (21°)	Dimension L		Tube Wall	304 Stainless Steel Nut & Sleeve Part #	Carbon Steel Nut & Sleeve Part #
7/16" - 20	1/4"	8650	1.500"		.049"	<b>SFMF250</b>	<b>FMF250</b>
9/16" - 18	3/8"	5550	1.500"		.049"	<b>SFMF375</b>	<b>FMF375</b>
3/4" - 16	1/2"	4050	1.500"		.049"	<b>SFMF500</b>	<b>FMF500</b>
1-1/16" - 12	3/4"	2600	1.500"		.049"	<b>SFMF750</b>	<b>FMF750</b>
1-5/16" - 12	1"	1950	2.000"		.049"	<b>SFMF1000</b>	<b>FMF1000</b>
1 5/8" - 12	1 1/4"	2050	2.375"		.065"	<b>SFMF1250</b>	<b>FMF1250</b>
1 7/8" - 12	1 1/2"	1700	2.375"		.065"	<b>SFMF1500</b>	<b>FMF1500</b>
2 1/2" - 12	2"	1250	2.500"		.065"	<b>SFMF2000</b>	<b>FMF2000</b>

### 45° Elbow Female



Female SAE 37° JIC	Tube OD	Pressure Rating PSI at 70°F (21°)	Dimension		Bend Radius	Tube Wall	304 Stainless Steel Nut & Sleeve Part #	Carbon Steel Nut & Sleeve Part #
			A	B				
7/16" - 20	1/4"	5000	0.750"	0.750"	0.380"	.049"	---	<b>FMF250-45</b>
9/16" - 18	3/8"	4500	1.000"	1.000"	0.500"	.049"	---	<b>FMF375-45</b>
3/4" - 16	1/2"	4000	1.250"	1.250"	1.000"	.049"	<b>SFMF500-45</b>	<b>FMF500-45</b>
1-1/16" - 12	3/4"	2600	1.450"	1.450"	1.500"	.049"	<b>SFMF750-45</b>	---
1-5/16" - 12	1"	2500	1.800"	1.800"	2.000"	.049"	<b>SFMF1000-45</b>	<b>FMF1000-45</b>
1 5/8" - 12	1 1/4"	2050	2.100"	2.100"	2.000"	.065"	---	<b>FMF1250-45</b>
1 7/8" - 12	1 1/2"	1700	2.300"	2.300"	2.000"	.065"	<b>SFMF1500-45</b>	<b>FMF1500-45</b>
2 1/2" - 12	2"	1250	3.000"	3.000"	3.000"	.065"	<b>SFMF2000-45</b>	<b>FMF2000-45</b>

### 90° Elbow Female



Female SAE 37° JIC	Tube OD	Pressure Rating PSI at 70°F (21°)	Dimension		Bend Radius	Tube Wall	304 Stainless Steel Nut & Sleeve Part #	Carbon Steel Nut & Sleeve Part #
			A	B				
7/16" - 20	1/4"	5000	1.000"	1.000"	0.375"	.049"	<b>SFMF250-90</b>	<b>FMF250-90</b>
9/16" - 18	3/8"	4500	1.250"	1.250"	0.500"	.049"	<b>SFMF375-90</b>	<b>FMF375-90</b>
3/4" - 16	1/2"	4000	1.830"	1.830"	1.000"	.049"	<b>SFMF500-90</b>	<b>FMF500-90</b>
1-1/16" - 12	3/4"	2600	2.350"	2.350"	1.500"	.049"	<b>SFMF750-90</b>	<b>FMF750-90</b>
1-5/16" - 12	1"	2500	3.100"	3.100"	2.000"	.049"	<b>SFMF1000-90</b>	<b>FMF1000-90</b>
1 5/8" - 12	1 1/4"	2050	3.500"	3.500"	2.000"	.065"	<b>SFMF1250-90</b>	<b>FMF1250-90</b>
1 7/8" - 12	1 1/2"	1700	3.750"	3.750"	2.000"	.065"	<b>SFMF1500-90</b>	<b>FMF1500-90</b>
2 1/2" - 12	2"	1250	4.900"	4.900"	2.000"	.065"	<b>SFMF2000-90</b>	<b>FMF2000-90</b>

## NPTF



## Male Hex Pipe Nipples

## Features:

- reference SAE 140137
- pressure rating at 70°F (21°C)

Male NPTF	Male NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	5404-2
1/4"-18	1/4"-18	5000	5404-4
3/8"-18	3/8"-18	4000	5404-6
3/8"-18	1/4"-18	4000	5404-6-4
1/2"-14	1/2"-14	3000	5404-8
1/2"-14	3/8"-18	3000	5404-8-6
3/4"-14	3/4"-14	2500	5404-12
3/4"-14	1/2"-14	2500	5404-12-8
1"-11½	1"-11½	2000	5404-16
1"-11½	3/4"-14	2000	5404-16-12
1¼"-11½	1¼"-11½	1150	5404-20

## Male x Female Hex Reducer Bushings

## Features:

- reference SAE 140140
- pressure rating at 70°F (21°C)

Male NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/4"-18	1/8"-27	5000	5406-4-2
3/8"-18	1/8"-27	4000	5406-6-2
3/8"-18	1/4"-18	4000	5406-6-4
1/2"-14	1/8"-27	3000	5406-8-2
1/2"-14	1/4"-18	3000	5406-8-4
1/2"-14	3/8"-18	3000	5406-8-6
3/4"-14	1/8"-27	2500	5406-12-2
3/4"-14	1/4"-18	2500	5406-12-4
3/4"-14	3/8"-18	2500	5406-12-6
3/4"-14	1/2"-14	2500	5406-12-8
1"-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
1¼"-11½	3/8"-18	1150	5406-20-6
1¼"-11½	1/2"-14	1150	5406-20-8
1¼"-11½	3/4"-14	1150	5406-20-12
1¼"-11½	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	1¼"-11½	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"	1¼"-11½	1000	5406-32-20
2"-11½"	1½"-11½	1000	5406-32-24





## NPTF

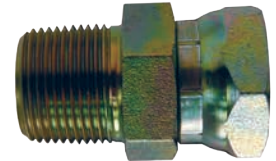
**Features:**

- compact design provides ease of assembly in confining areas
- designed to prevent hose stress due to twisting during assembly
- female NPSM swivel seals on a 30° seat
- male NPTF must have a 30° chamfer to seal

**Male x Female NPSM Swivel Adapters****Features:**

- 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
1/4"-18	1/4"-18	4500	1404-4-4
1/4"-18	3/8"-18	4000	1404-4-6
3/8"-18	1/4"-18	4000	1404-6-4
3/8"-18	3/8"-18	4000	1404-6-6
3/8"-18	1/2"-14	4000	1404-6-8
1/2"-14	3/8"-18	3000	1404-8-6
1/2"-14	1/2"-14	3000	1404-8-8
1/2"-14	3/4"-14	3000	1404-8-12
3/4"-14	1/2"-14	2500	1404-12-8
3/4"-14	3/4"-14	2500	1404-12-12
1"-11 1/2	1"-11 1/2	2000	1404-16-16
1 1/4"-11 1/2	1 1/4"-11 1/2	1150	1404-20-20
1 1/2"-11 1/2	1 1/2"-11 1/2	1000	1404-24-24
2"-11 1/2	2"-11 1/2	1000	1404-32-32

**Female Hex Pipe Couplings****Features:**

- reference SAE 140138
- pressure rating at **70°F (21°C)**

Female NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	5000-2
1/4"-18	1/4"-18	5000	5000-4
3/8"-18	1/4"-18	4000	5000-6-4
3/8"-18	3/8"-18	4000	5000-6
1/2"-14	3/8"-18	3000	5000-8-6
1/2"-14	1/2"-14	3000	5000-8
3/4"-14	3/4"-14	2500	5000-12
1"-11 1/2	3/4"-14	2000	5000-16-12
1"-11 1/2	1"-11 1/2	2000	5000-16
1 1/4"-11 1/2	1 1/4"-11 1/2	1150	5000-20

**Female x Female NPSM Swivel Nuts****Features:**

- reference SAE 140131
- pressure rating at **70°F (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
3/8"-18	1/4"-18	4000	1405-6-4
3/8"-18	3/8"-18	4000	1405-6-6
3/8"-18	1/2"-14	4000	1405-6-8
1/2"-14	1/2"-14	3000	1405-8-8
3/4"-14	1/2"-14	2500	1405-12-8
3/4"-14	3/4"-14	2500	1405-12-12
1"-11 1/2	1"-11 1/2	2000	1405-16-16
1 1/4"-11 1/2	1 1/4"-11 1/2	1150	1405-20-20
1 1/2"-11 1/2	1 1/2"-11 1/2	1000	1405-24-24
2"-11 1/2	2"-11 1/2	1000	1405-32-32

**90° Male x Male Elbows****Features:**

- reference SAE 140237
- pressure rating at **70°F (21°C)**

Male NPTF	Male NPTF	PSI	Zinc Plated Steel Part #
1/4"-18	1/4"-18	5000	5500-4
3/8"-18	3/8"-18	4000	5500-6
1/2"-14	1/2"-14	3000	5500-8
3/4"-14	3/4"-14	2500	5500-12
1"-11 1/2	1"-11 1/2	2000	5500-16



## NPTF



## 90° Male x Female Street Elbows

## Features:

- reference 140239
- pressure rating at 70°F (21°C)

Male NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/4"-18	1/4"-18	5000	5502-4
3/8"-18	3/8"-18	4000	5502-6
1/2"-14	1/2"-14	3000	5502-8
3/4"-14	3/4"-14	2500	5502-12
1"-11½	1"-11½	2000	5502-16
1¼"-11½	1¼"-11½	1150	5502-20

## 90° Male x Female NPSM Swivel Nut Elbows

## Features:

- reference SAE 140230
- pressure rating at 70°F (21°C)



Male NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	1501-2-2
1/4"-18	1/4"-18	4500	1501-4-4
1/4"-18	3/8"-18	4000	1501-4-6
3/8"-18	1/4"-18	4000	1501-6-4
3/8"-18	3/8"-18	4000	1501-6-6
3/8"-18	1/2"-14	4000	1501-6-8
1/2"-14	3/8"-18	3000	1501-8-6
1/2"-14	1/2"-14	3000	1501-8-8
1/2"-14	3/4"-14	3000	1501-8-12
3/4"-14	1/2"-14	2500	1501-12-8
3/4"-14	3/4"-14	2500	1501-12-12
3/4"-14	1"-11½	2000	1501-12-16
1"-11½	3/4"-14	2000	1501-16-12
1"-11½	1"-11½	2000	1501-16-16
1"-11½	1¼"-11½	1150	1501-16-20
1¼"-11½	1¼"-11½	1150	1501-20-20

## 90° Female Pipe Elbows

## Features:

- reference SAE 140237
- pressure rating at 70°F (21°C)



Female NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	5504-2
1/4"-18	1/4"-18	5000	5504-4
3/8"-18	3/8"-18	4000	5504-6
1/2"-14	1/2"-14	3000	5504-8
3/4"-14	3/4"-14	2500	5504-12
1"-11½	1"-11½	2000	5504-16

## 90° Female x Female NPSM Swivel Nut Elbows

## Features:

- reference SAE 140251
- pressure rating at 70°F (21°C)



Female NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/4"-18	1/4"-18	4500	1502-4-4
3/8"-18	3/8"-18	4000	1502-6-6
1/2"-14	1/2"-14	3000	1502-8-8
3/4"-14	3/4"-14	2500	1502-12-12
1"-11½	1"-11½	2000	1502-16-16

## 45° Male x Female NPSM Swivel Nut Elbows

## Features:

- reference SAE 140330
- pressure rating at 70°F (21°C)



Male NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/4"-18	1/4"-18	4500	1503-4-4
3/8"-18	3/8"-18	4000	1503-6-6
1/2"-14	1/2"-14	3000	1503-8-8
3/4"-14	3/4"-14	2500	1503-12-12
1"-11½	1"-11½	2000	1503-16-16

NPTF  
Male Pipe Tees

Features:

- reference SAE 140437
- pressure 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
3/4"-14	2500	5600-12
1"-11½	2000	5600-16



Hydraulic Fittings

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
3/8"-18	3/8"-18	4000	5601-6
1/2"-14	1/2"-14	3000	5601-8
3/4"-14	3/4"-14	2500	5601-12
1"-11½	1"-11½	2000	5601-16



Female x Male Branch Tees

Features:

- reference SAE 140425
- pressure 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
3/8"-18	3/8"-18	4000	5604-6
1/2"-14	1/2"-14	3000	5604-8
3/4"-14	3/4"-14	2500	5604-12
1"-11½	1"-11½	2000	5604-16



Female Pipe Tees

Features:

- reference 140438
- pressure rating at **70°F (21°C)**

Female NPTF (3)	PSI	Zinc Plated Steel Part #
1/4"-18	5000	5605-4
3/8"-18	4000	5605-6
1/2"-14	3000	5605-8
3/4"-14	2500	5605-12
1"-11½	2000	5605-16



Features:

- reference 140424
- pressure rating at **70°F (21°C)**

Male NPTF	Female NPTF (2)	PSI	Zinc Plated Steel 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
3/4"-14	3/4"-14	2500	5602-12
1"-11½	1"-11½	2000	5602-16
1-1/4"-11½	1-1/4"-11½	1150	5602-20
1-1/2"-11½	1-1/2"-11½	1000	5602-24



## NPTF

## Female Hex Caps

## Feature:

- pressure rating at 70°F (21°C)



Female NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	5000	5406C-2
1/4"-18	5000	5406C-4
3/8"-18	4000	5406C-6
1/2"-14	3000	5406C-8
3/4"-14	2500	5406C-12
1"-11 1/2	2000	5406C-16
1 1/4"-11 1/2	1150	5406C-20
1 1/2"-11 1/2	1000	5406C-24

## Male Hex Plugs

## Features:

- reference SAE 130109C
- pressure rating at 70°F (21°C)



Male NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	5000	1251-02H
1/4"-18	5000	1251-04H
3/8"-18	4000	1251-06H
1/2"-14	3000	1251-08H
3/4"-14	2500	1251-12H
1"-11 1/2	2000	1251-16H
1 1/4"-11 1/2	1150	1251-20H

## Male JIC 37° Flare x Male Metric Parallel Thread

## Feature:

- pressure rating at 70°F (21°C)

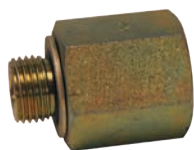


Male JIC 37° Flare	Male Metric Parallel	Zinc Plated Steel Part #
7/16"-20	M10X1.0	M7400-4-10
7/16"-20	M12X1.5	M7400-4-12
9/16"-18	M14X1.5	M7400-6-14
9/16"-18	M16X1.5	M7400-6-16
3/4"-16	M16X1.5	M7400-8-16
3/4"-16	M18X1.5	M7400-8-18
1-1/16"-12	M22X1.5	M7400-12-22
1-1/16"-12	M27X2.0	M7400-12-27
1-5/16"-12	M33X2.0	M7400-16-33

## Female Pipe x Male Metric Parallel Thread

## Feature:

- pressure rating at 70°F (21°C)



Female NPTF	Male Metric Parallel	Zinc Plated Steel Part #
1/4"-18	M12X1.5	M7455-4-12
1/4"-18	M14X1.5	M7455-4-14
3/8"-18	M16X1.5	M7455-6-16
3/8"-18	M18X1.5	M7455-6-18
1/2"-14	M16X1.5	M7455-8-16
1/2"-14	M18X1.5	M7455-8-18
1/2"-14	M22X1.5	M7455-8-22
3/4"-14	M27X2.0	M7455-12-27
1"-11 1/2	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	¼"-19	5000	<b>B3800-4-4</b>
9/16"-18	⅜"-19	4000	<b>B3800-6-6</b>
¾"-16	½"-14	3000	<b>B3800-8-8</b>
1-1/16"-12	¾"-14	2500	<b>B3800-12-12</b>
1-5/16"-12	1"-11	2000	<b>B3800-16-16</b>



## Male NPTF x Male

## Feature:

- pressure rating at 70°F (21°C)

Male NPTF	Male BSPP	PSI	Zinc Plated Steel Part #
¼"-18	¼"-19	5000	<b>B3401-4-4</b>
⅜"-18	⅜"-19	4000	<b>B3401-6-6</b>
½"-14	½"-14	3000	<b>B3401-8-8</b>
¾"-14	¾"-14	2500	<b>B3401-12-12</b>
1"-11½	1"-11	2000	<b>B3401-16-16</b>

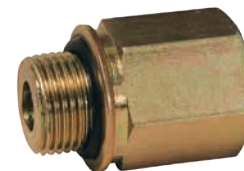


## Female NPTF x Male

## Feature:

- pressure rating at 70°F (21°C)

Female NPTF	Male BSPP	PSI	Zinc Plated Steel Part #
¼"-18	¼"-19	5000	<b>B3455-4-4</b>
⅜"-18	⅜"-19	4000	<b>B3455-6-6</b>
½"-14	½"-14	3000	<b>B3455-8-8</b>
¾"-14	¾"-14	2500	<b>B3455-12-12</b>
1"-11½	1"-11	2000	<b>B3455-16-16</b>



## 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	¼"-19	5000	<b>B3801-4-4</b>
9/16"-18	⅜"-19	4000	<b>B3801-6-6</b>
¾"-16	½"-14	3000	<b>B3801-8-8</b>
1-1/16"-12	¾"-14	2500	<b>B3801-12-12</b>
1-5/16"-12	1"-11	2000	<b>B3801-16-16</b>



## Bonded Dowty Seal for British Thread

## Feature:

- pressure rating at 70°F (21°C)

Size	Plated Carbon Steel with Buna O-ring Part #
¼"-19	<b>BDS04</b>
⅜"-19	<b>BDS06</b>
½"-14	<b>BDS08</b>
¾"-14	<b>BDS12</b>
1"-11	<b>BDS16</b>



## Hydraulic 4-Bolt Flanges

**Features:**

- flat face flange must be used with O-ring flange
- code 61 - standard pressure; code 62 - high pressure
- makes installation of components easier, especially in applications with limited space
- bolt kit with Buna O-ring included with O-ring flange
- no bolt kit is included with flat face flange
- also available in 316L stainless, contact Dixon® for more information

### Hydraulic 4-Bolt Flange NPTF Port



Port Size	Pad Size	NPTF Thread	Code 61 Carbon Steel			
			O-ring		Flat Face	
			Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	1/2"-14	W43-8-8-U	<b>C6143K0808NPT</b>	W104-8-8	<b>C611040808NPT</b>
3/4"	3/4"	3/4"-14	W43-12-12-U	<b>C6143K1212NPT</b>	W104-12-12	<b>C611041212NPT</b>
1"	1"	1"-11 1/2	W43-16-16-U	<b>C6143K1616NPT</b>	W104-16-16	<b>C611041616NPT</b>
1 1/4"	1 1/4"	1 1/4"-11 1/2	W43-20-20-U	<b>C6143K2020NPT</b>	W104-20-20	<b>C611042020NPT</b>
1 1/2"	1 1/2"	1 1/2"-11 1/2	W43-24-24-U	<b>C6143K2424NPT</b>	W104-24-24	<b>C611042424NPT</b>
2"	2"	2"-11 1/2	W43-32-32-U	<b>C6143K3232NPT</b>	W104-32-32	<b>C611043232NPT</b>
2 1/2"	2 1/2"	2 1/2"-8	W43-40-40-U	<b>C6143K4040NPT</b>	W104-40-40	<b>C611044040NPT</b>
3"	3"	3"-8	W43-48-48-U	<b>C6143K4848NPT</b>	W104-48-48	<b>C611044848NPT</b>

Port Size	Pad Size	NPTF Thread	Code 62 Carbon Steel			
			O-ring		Flat Face	
			Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	1/2"-14	W44-8-8-U	<b>C6244K0808NPT</b>	W45-8-8	<b>C62450808NPT</b>
3/4"	3/4"	3/4"-14	W44-12-12-U	<b>C6244K1212NPT</b>	W45-12-12	<b>C62451212NPT</b>
1"	1"	1"-11 1/2	W44-16-16-U	<b>C6244K1616NPT</b>	W45-16-16	<b>C62451616NPT</b>
1 1/4"	1 1/4"	1 1/4"-11 1/2	W44-20-20-U	<b>C6244K2020NPT</b>	W45-20-20	<b>C62452020NPT</b>
1 1/2"	1 1/2"	1 1/2"-11 1/2	W44-24-24-U	<b>C6244K2424NPT</b>	W45-24-24	<b>C62452424NPT</b>
2"	2"	2"-11 1/2	W44-32-32-U	<b>C6244K3232NPT</b>	W45-32-32	<b>C62453232NPT</b>

### Hydraulic 4-Bolt Flange SAE Port



Port Size	Pad Size	UN/UNF-2B Thread	Code 61 Carbon Steel			
			O-ring		Flat Face	
			Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	3/4"-16	W46-8-8-U	<b>C6146K0808SAE</b>	W106-8-8	<b>C611060808SAE</b>
3/4"	3/4"	1 1/16"-12	W46-12-12-U	<b>C6146K1212SAE</b>	W106-12-12	<b>C611061212SAE</b>
1"	1"	1 5/16"-12	W46-16-16-U	<b>C6146K1616SAE</b>	W106-16-16	<b>C611061616SAE</b>
1 1/4"	1 1/4"	1 5/8"-12	W46-20-20-U	<b>C6146K2020SAE</b>	W106-20-20	<b>C611062020SAE</b>
1 1/2"	1 1/2"	1 7/8"-12	W46-24-24-U	<b>C6146K2424SAE</b>	W106-24-24	<b>C611062424SAE</b>
2"	2"	2 1/2"-12	W46-32-32-U	<b>C6146K3232SAE</b> <sup>1</sup>	W106-32-32	<b>C611063232SAE</b>

<sup>1</sup> 1000 PSI maximum

Port Size	Pad Size	UN/UNF-2B Thread	Code 62 Carbon Steel			
			O-ring		Flat Face	
			Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	3/4"-16	W48-8-8-U	<b>C6248K0808SAE</b>	W49-8-8	<b>C62490808SAE</b>
3/4"	3/4"	1 1/16"-12	W48-12-12-U	<b>C6248K1212SAE</b>	W49-12-12	<b>C62491212SAE</b>
1"	1"	1 5/16"-12	W48-16-16-U	<b>C6248K1616SAE</b>	W49-16-16	<b>C62491616SAE</b>
1 1/4"	1 1/4"	1 5/8"-12	W48-20-20-U	<b>C6248K2020SAE</b>	W49-20-20	<b>C62492020SAE</b>
1 1/2"	1 1/2"	1 7/8"-12	W48-24-24-U	<b>C6248K2424SAE</b>	W49-24-24	<b>C62492424SAE</b>
2"	2"	2 1/2"-12	W48-32-32-U	<b>C6248K3232SAE</b>	W49-32-32	<b>C62493232SAE</b>

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

## Hydraulic 4-Bolt Flanges

## Hydraulic 4-Bolt Flange Pipe Socket Weld

Port Size	Pad Size	Code 61 Carbon Steel			
		O-ring		Flat Face	
		Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	W4-8-8-U	<b>C614K0808PSW</b>	W61-8-8	<b>C61610808PSW</b>
3/4"	3/4"	W4-12-12-U	<b>C614K1212PSW</b>	W61-12-12	<b>C61611212PSW</b>
1"	1"	W4-16-16-U	<b>C614K1616PSW</b>	W61-16-16	<b>C61611616PSW</b>
1 1/4"	1 1/4"	W4-20-20-U	<b>C614K2020PSW</b>	W61-20-20	<b>C61612020PSW</b>
1 1/2"	1 1/2"	W4-24-24-U	<b>C614K2424PSW</b>	W61-24-24	<b>C61612424PSW</b>
2"	2"	W4-32-32-U	<b>C614K3232PSW</b>	W61-32-32	<b>C61613232PSW</b>
2 1/2"	2 1/2"	W4-40-40-U	<b>C614K4040PSW</b>	W61-40-40	<b>C61614040PSW</b>
3"	3"	W4-48-48-U	<b>C614K4848PSW</b>	W61-48-48	<b>C61614848PSW</b>

Port Size	Pad Size	Code 62 Carbon Steel			
		O-ring		Flat Face	
		Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	W59-8-8-U	<b>C6259K0808PSW</b>	W60-8-8	<b>C62600808PSW</b>
3/4"	3/4"	W59-12-12-U	<b>C6259K1212PSW</b>	W60-12-12	<b>C62601212PSW</b>
1"	1"	W59-16-16-U	<b>C6259K1616PSW</b>	W60-16-16	<b>C62601616PSW</b>
1 1/4"	1 1/4"	W59-20-20-U	<b>C6259K2020PSW</b>	W60-20-20	<b>C62602020PSW</b>
1 1/2"	1 1/2"	W59-24-24-U	<b>C6259K2424PSW</b>	W60-24-24	<b>C62602424PSW</b>
2"	2"	W59-32-32-U	<b>C6259K3232PSW</b>	W60-32-32	<b>C62603232PSW</b>
2 1/2"	2 1/2"	W59-40-40-U	<b>C6259K4040PSW</b>	W60-40-40	<b>C62604040PSW</b>
3"	3"	W59-48-48-U	<b>C6259K4848PSW</b>	W60-48-48	<b>C62604848PSW</b>



## Pressure Ratings of SAE Flanges

## Code 61 SAE J518-1 / ISO 6162-1

Dash Size	Size	Maximum Working Pressure		Fastener Torque Value
		PSI	MPa	Grade 8 UNC (lb-ft)
-8	1/2"	5000	35	24
-12	3/4"	5000	35	44
-16	1"	4600	32	44
-20	1 1/4"	4000	28	68
-24	1 1/2"	3000	21	111
-32	2"	3000	21	111
-40	2 1/2"	2500	17.5	111
-48	3"	2300	16	218
-56	3 1/2"	500	3.5	218
-64	4"	500	3.5	218
-80	5"	500	3.5	218

- Connection type opposite 4-bolt flange connection can de-rate maximum working pressure.

## Code 62 SAE J518-2 / ISO 6162-2

Dash Size	Size	Maximum Working Pressure		Fastener Torque Value
		PSI	MPa	Grade 8 UNC (lb-ft)
-8	1/2"	6000	40	24
-12	3/4"	6000	40	44
-16	1"	6000	40	68
-20	1 1/4"	6000	40	111
-24	1 1/2"	6000	40	218
-32	2"	6000	40	332
-40	2 1/2"	6000	40	380
-48	3"	6000	40	667

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



### Code 61 / Code 62 Split Flange Kits

**Features:**

- for tube, hose end and split flange adapter connections
- kits include 2 split flange halves, 4 hex head screws and lockwashers, 1 Buna O-ring
- silver trivalent finish for high corrosion resistance
- also available in forged 316L stainless, contact Dixon® for more information

Flange Size	Code 61 Forged Carbon Steel		Code 62 Forged Carbon Steel	
	Previous Part #	Part #	Previous Part #	Part #
1/2"	8SFO	<b>C6108-SFKIT</b>	8SF XO	<b>C6208-SFKIT</b>
3/4"	12SFO	<b>C6112-SFKIT</b>	12SF XO	<b>C6212-SFKIT</b>
1"	16SFO	<b>C6116-SFKIT</b>	16SF XO	<b>C6216-SFKIT</b>
1 1/4"	20SFO	<b>C6120-SFKIT</b>	20SF XO	<b>C6220-SFKIT</b>
1 1/2"	24SFO	<b>C6124-SFKIT</b>	24SF XO	<b>C6224-SFKIT</b>
2"	32SFO	<b>C6132-SFKIT</b>	32SF XO	<b>C6232-SFKIT</b>
2 1/2"	40SFO	<b>C6140-SFKIT</b>	---	---
3"	48SFO	<b>C6148-SFKIT</b>	---	---

### Code 61 / Code 62 Flange Adapters

#### Straight Flange x Male JIC Hydraulic Adapter



JIC Thread	Tube OD	Flange Size	Code 61 Carbon Steel		Code 62 Carbon Steel	
			Previous Part #	Part #	Previous Part #	Part #
3/4"-16	1/2"	1/2"	300-8-8	<b>C6100F0808</b>	---	---
3/4"-16	1/2"	3/4"	300-8-12	<b>C6100F0812</b>	---	---
1 1/16"-12	3/4"	3/4"	300-12-12	<b>C6100F1212</b>	600-12-12	<b>C6200F1212</b>
1 1/16"-12	3/4"	1"	300-12-16	<b>C6100F1216</b>	600-12-16	<b>C6200F1216</b>
1 5/16"-12	1"	3/4"	300-16-12	<b>C6100F1612</b>	600-16-12	<b>C6200F1612</b>
1 5/16"-12	1"	1"	300-16-16	<b>C6100F1616</b>	600-16-16	<b>C6200F1616</b>
1 5/16"-12	1"	1 1/4"	300-16-20	<b>C6100F1620</b>	600-16-20	<b>C6200F1620</b>
1 5/8"-12	1 1/4"	1"	300-20-16	<b>C6100F2016</b>	600-20-16	<b>C6200F2016</b>
1 5/8"-12	1 1/4"	1 1/4"	300-20-20	<b>C6100F2020</b>	600-20-20	<b>C6200F2020</b>
1 5/8"-12	1 1/4"	1 1/2"	300-20-24	<b>C6100F2024</b>	600-20-24	<b>C6200F2024</b>
1 7/8"-12	1 1/2"	1 1/2"	300-24-20	<b>C6100F2420</b>	600-24-20	<b>C6200F2420</b>
1 7/8"-12	1 1/2"	1 1/2"	300-24-24	<b>C6100F2424</b>	600-24-24	<b>C6200F2424</b>
1 7/8"-12	1 1/2"	2"	300-24-32	<b>C6100F2432</b>	600-24-32	<b>C6200F2432</b>
2 1/2"-12	2"	1 1/2"	300-32-24	<b>C6100F3224</b>	600-32-24	<b>C6200F3224</b>
2 1/2"-12	2"	2"	300-32-32	<b>C6100F3232</b>	600-32-32	<b>C6200F3232</b>

#### 90° Flange Elbow x Male JIC Hydraulic Adapter



JIC Thread	Tube OD	Flange Size	Code 61 Carbon Steel		Code 62 Carbon Steel	
			Previous Part #	Part #	Previous Part #	Part #
3/4"-16	1/2"	3/4"	390-8-12	<b>C6190F0812</b>	---	---
1 1/16"-12	3/4"	3/4"	390-12-12	<b>C6190F1212</b>	690-12-12	<b>C6290F1212</b>
1 1/16"-12	3/4"	1"	390-12-16	<b>C6190F1216</b>	690-12-16	<b>C6290F1216</b>
1 5/16"-12	1"	3/4"	390-16-12	<b>C6190F1612</b>	690-16-12	<b>C6290F1612</b>
1 5/16"-12	1"	1"	390-16-16	<b>C6190F1616</b>	690-16-16	<b>C6290F1616</b>
1 5/16"-12	1"	1 1/4"	390-16-20	<b>C6190F1620</b>	690-16-20	<b>C6290F1620</b>
1 5/8"-12	1 1/4"	1"	390-20-16	<b>C6190F2016</b>	690-20-16	<b>C6290F2016</b>
1 5/8"-12	1 1/4"	1 1/4"	390-20-20	<b>C6190F2020</b>	690-20-20	<b>C6290F2020</b>
1 5/8"-12	1 1/4"	1 1/2"	390-20-24	<b>C6190F2024</b>	690-20-24	<b>C6290F2024</b>
1 7/8"-12	1 1/2"	1 1/2"	390-24-24	<b>C6190F2424</b>	690-24-24	<b>C6290F2424</b>
1 7/8"-12	1 1/2"	2"	390-24-32	<b>C6190F2432</b>	690-24-32	<b>C6290F2432</b>
2 1/2"-12	2"	1 1/2"	390-32-24	<b>C6190F3224</b>	690-32-24	<b>C6290F3224</b>
2 1/2"-12	2"	2"	390-32-32	<b>C6190F3232</b>	690-32-32	<b>C6290F3232</b>

#### 45° Flange Elbow x Male JIC Hydraulic Adapter



JIC Thread	Tube OD	Flange Size	Code 61 Carbon Steel		Code 62 Carbon Steel	
			Previous Part #	Part #	Previous Part #	Part #
1 1/16"-12	3/4"	3/4"	340-12-12	<b>C6145F1212</b>	640-12-12	<b>C6245F1212</b>
1 5/16"-12	1"	1"	340-16-16	<b>C6145F1616</b>	640-16-16	<b>C6245F1616</b>
1 5/8"-12	1 1/4"	1 1/4"	340-20-20	<b>C6145F2020</b>	640-20-20	<b>C6245F2020</b>
1 7/8"-12	1 1/2"	1 1/2"	340-24-24	<b>C6145F2424</b>	640-24-24	<b>C6245F2424</b>
2 1/2"-12	2"	2"	340-32-32	<b>C6145F3232</b>	640-32-32	<b>C6245F3232</b>



Hydraulic Suction and Return Line Hose Couplings

**Application:**

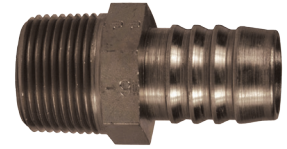
- designed for hydraulic suction line applications using SAE100R4 hydraulic hose

**Feature:**

- barbs provide easy assembly and maximum gripping action

**Female SAE Stem**

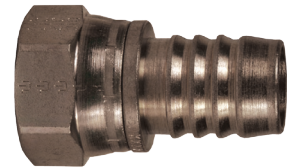
Hose ID	Male NPTF	Plated Steel Part #
3/4"	3/4"-14	<b>188-12</b>
1"	1"-11½	<b>188-16</b>
1¼"	1¼"-11½	<b>188-20</b>
1½"	1½"-11½	<b>188-24</b>
2"	2"-11½	<b>188-32</b>



Hydraulic Fittings

**Female SAE 37° Swivel Stem**

Hose ID	Male NPTF	Plated Steel Part #
3/4"	1-1/16"-12	<b>688-12</b>
1"	1-5/16"-12	<b>688-16</b>
1¼"	1⅝"-12	<b>688-20</b>
1½"	1⅞"-12	<b>688-24</b>
2"	2½"-12	<b>688-32</b>



- return line clamps must be used with these fittings

Double Bolt Clamps

**Features:**

- inner surface has dual gripping ridges
- bolt lugs are reinforced to prevent bending out of alignment
- Torque values for clamps are based on dry bolts.
- The use of lubricant on bolts will adversely effect clamp performance.
- measure hose OD accurately before ordering clamps
- Consult Dixon® when using double bolt clamps on helical wire hose.



Hose OD		Plated Iron Part #	Torque in ft. lbs.	Optional Qty
from	to			
1-8/64"	1-12/64"	<b>J48</b>	15	100
1-40/64"	1-52/64"	<b>DL14</b>	40	25
1-48/64"	2-3/64"	<b>DL20</b>	27	25
2-7/64"	2-19/64"	<b>DL24<sup>1</sup></b>	27	25
2-20/64"	2-40/64"	<b>DL32<sup>1</sup></b>	40	25



<sup>1</sup> investment cast carbon steel

### Hydraulic Hose Stems

Hydraulic Fittings

**Features:**

- stems have a collar behind the hex to engage clamp fingers
- reference clamps on page 75



NPTF Size	Plated Steel Part #
1/2"	<b>HY4</b>
1"	<b>HY8</b>



NPTF Size	Plated Steel Part #
1 1/4"	<b>HY10</b>
1 1/2"	<b>HY12</b>
2"	<b>HY16</b>

### Hydraulic Hose Clamps For 1 Wire Hose

**Feature:**

- for use only on 1 wire hydraulic hoses



Hose ID	Hose OD		Plated Iron Part #	Torque in ft. lbs.
	from	to		
3/8"	48/64"	50/64"	<b>HD1-3</b>	12
1/2"	56/64"	60/64"	<b>HD1-4</b>	18
3/4"	1-10/64"	1-14/64"	<b>HD1-6</b>	18
1"	1-29/64"	1-35/64"	<b>HD1-8</b>	36

### Hydraulic Hose Clamps For 1 or 2 Wire Hose

**Features:**

- for use only on 1 or 2 wire hydraulic hoses
- This clamp *should not* be used on 4 or 6 wire hydraulic hose even when hose falls within recommended ranges.



Hose ID	Hose OD		Plated Iron Part #	Torque in ft. lbs.
	from	to		
3/8"	50/64"	52/64"	<b>HRC-037</b>	18
1/2"	57/64"	1"	<b>HRC-050</b>	18
3/4"	1-16/64"	1-20/64"	<b>HRC-075</b>	36
1"	1-37/64"	1-41/64"	<b>HRC-100</b>	64
1 1/4"	1-54/64"	1-62/64"	<b>HRC-125</b>	90
1 1/2"	2-10/64"	2-18/64"	<b>HRC-150</b>	90
2"	2-43/64"	2-52/64"	<b>HRC-200</b>	90

### Inline Hydraulic Filters

**Features:**

- provides protection for small, high pressure systems
- installs at the pressure side of a pump
- conically shaped bronze element positioned by a retaining spring to allow true, uninterrupted flow
- standard 25 micron bronze element can be easily cleaned or replaced
- temperature range: **35°F to 200°F (2°C to 93°C)**
- maximum operating pressure: **3000 PSI**



Female SAE	Overall Length	Diameter	Plated Steel Part #
9/16" - 18	3 1/4"	1 1/2"	<b>9152</b>
3/4" - 16	3 1/4"	1 1/2"	<b>9153</b>

## Pipe and Tube Clamps

**Applications:**

- standard hydraulic applications, general pipe construction, electric cables, etc.
- *Standard and twin series clamps* are recommended for systems with less than 1500 PSI without dynamic loads.
- *Heavy duty clamps* are recommended for systems with greater than 1500 PSI operating pressure.

**Features:**

- clamps are welded in place to secure the pipe or tubing
- polypropylene cushions reduce wear due to vibration
- kit includes clamp with weld plate, cover plate and bolts

**Standard Series**

Pipe Nom. Bore/Tube OD	Length	Width	Height	Steel & Polypropylene Part #
1/8" pipe	1.65"	1.18"	1.30"	<i>HST02P</i>
1/4" pipe	1.89"	1.18"	1.54"	<i>HST04P</i>
1/4" tube	1.65"	1.18"	1.30"	<i>HST04T</i>
5/16" tube	1.65"	1.18"	1.30"	<i>HST05T</i>
3/8" pipe	1.89"	1.18"	1.54"	<i>HST06P</i>
3/8" tube	1.65"	1.18"	1.30"	<i>HST06T</i>
1/2" pipe	2.17"	1.18"	1.61"	<i>HST08P</i>
1/2" tube	1.89"	1.18"	1.54"	<i>HST08T</i>
5/8" tube	1.89"	1.18"	1.54"	<i>HST10T</i>
3/4" pipe	2.44"	1.18"	1.89"	<i>HST12P</i>
3/4" tube	2.17"	1.18"	1.61"	<i>HST12T</i>
7/8" tube	2.17"	1.18"	1.61"	<i>HST14T</i>
1" pipe	2.91"	1.18"	2.52"	<i>HST16P</i>
1" tube	2.17"	1.18"	1.61"	<i>HST16T</i>
1 1/4" pipe	2.91"	1.18"	2.52"	<i>HST20P</i>
1 1/4" tube	2.91"	1.18"	2.52"	<i>HST20T</i>
1 1/2" pipe	3.46"	1.18"	2.83"	<i>HST24P</i>
1 1/2" tube	2.91"	1.18"	2.52"	<i>HST24T</i>
2" tube	3.46"	1.18"	2.83"	<i>HST32T</i>

**Twin Series**

Pipe Nom. Bore/Tube OD	Length	Width	Height	Steel & Polypropylene Part #
1/8" pipe	1.46"	1.18"	1.36"	<i>HTW02P</i>
1/4" pipe	1.46"	1.18"	1.36"	<i>HTW04P</i>
1/4" tube	1.46"	1.18"	1.36"	<i>HTW04T</i>
5/16" tube	1.46"	1.18"	1.36"	<i>HTW05T</i>
3/8" pipe	2.17"	1.18"	1.42"	<i>HTW06P</i>
3/8" tube	1.46"	1.18"	1.36"	<i>HTW06T</i>
1/2" pipe	2.76"	1.18"	1.85"	<i>HTW08P</i>
1/2" tube	2.17"	1.18"	1.42"	<i>HTW08T</i>
5/8" tube	2.17"	1.18"	1.42"	<i>HTW10T</i>
3/4" pipe	3.35"	1.18"	2.05"	<i>HTW12P</i>
3/4" tube	2.76"	1.18"	1.85"	<i>HTW12T</i>
7/8" tube	2.76"	1.18"	1.85"	<i>HTW14T</i>
1" pipe	4.33"	1.18"	2.52"	<i>HTW16P</i>
1" tube	2.76"	1.18"	1.85"	<i>HTW16T</i>
1 1/4" pipe	4.33"	1.18"	2.52"	<i>HTW20P</i>
1 1/4" tube	4.33"	1.18"	2.52"	<i>HTW20T</i>
1 1/2" tube	4.33"	1.18"	2.52"	<i>HTW24T</i>



## Pipe and Tube Clamps

## Heavy Duty Series

Hydraulic Fittings



Pipe Nom. Bore/Tube OD	Length	Width	Height	Steel & Polypropylene Part #
1/8" pipe	2.87"	1.18"	1.89"	<b>HHD02P</b>
1/4" pipe	2.87"	1.18"	1.89"	<b>HHD04P</b>
1/4" tube	2.87"	1.18"	1.89"	<b>HHD04T</b>
5/16" tube	2.87"	1.18"	1.89"	<b>HHD05T</b>
3/8" pipe	2.87"	1.18"	1.89"	<b>HHD06P</b>
3/8" tube	2.87"	1.18"	1.89"	<b>HHD06T</b>
1/2" pipe	3.35"	1.18"	2.52"	<b>HHD08P</b>
1/2" tube	2.87"	1.18"	1.89"	<b>HHD08T</b>
5/8" tube	2.87"	1.18"	1.89"	<b>HHD10T</b>
3/4" pipe	3.35"	1.18"	2.52"	<b>HHD12P</b>
3/4" tube	3.35"	1.18"	2.52"	<b>HHD12T</b>
7/8" tube	3.35"	1.18"	2.52"	<b>HHD14T</b>
1" pipe	3.94"	1.18"	2.99"	<b>HHD16P</b>
1" tube	3.35"	1.18"	2.52"	<b>HHD16T</b>
1 1/4" pipe	5.51"	1.77"	4.33"	<b>HHD20P</b>
1 1/4" tube	3.94"	1.18"	2.99"	<b>HHD20T</b>
1 1/2" pipe	5.51"	1.77"	4.33"	<b>HHD24P</b>
1 1/2" tube	3.94"	1.18"	2.99"	<b>HHD24T</b>
2" pipe	5.51"	1.77"	4.33"	<b>HHD32P</b>
2" tube	5.51"	1.77"	4.33"	<b>HHD32T</b>

<b>Ball</b> .....	532 to 546	<b>Needle</b> .....	552 to 553, 555
Bronze .....	532 to 534, 537	Mini .....	552
Domestic .....	532	Multiport .....	552
Full port .....	532	Block and bleed .....	553
Locking handle .....	533	Female x female .....	555
250 lb. steam .....	534		
Safety vented .....	534	<b>Button &amp; Tank Filler</b> .....	554
With NPT tap for drain .....	534		
Dual Y .....	537	<b>External Drains</b> .....	554
3-way diverting L flow .....	538		
Brass .....	533, 535 to 538	<b>Check</b> .....	556 to 560
Deadman spring return .....	533	Safety .....	556
Imported .....	535	Safety pop-off .....	557
With locking handle .....	535	Series C .....	558
Global .....	536	Ball cone .....	558
Solder end .....	536	800 PSI .....	559
Lead free brass .....	536	Forged steel .....	559
Mini's .....	537	Spring loaded .....	559 to 560
3-way diverting T flow .....	538	Swing .....	560
Stainless .....	538 to 542		
3-way diverting L flow .....	538	<b>Drum Valves</b> .....	561 to 562
2-piece .....	539	Wrenches .....	561
Full port .....	539	Faucets .....	561
With locking handle .....	540	Thread adapters .....	562
Reduced port .....	540	Gate valves .....	562
3-piece industrial .....	541		
Deadman spring return .....	541		
Industrial wafer .....	542		
Mann Tek full flow .....	542, 543		
Carbon steel .....	544, 545		
High pressure, full bore .....	544		
150# flanged .....	545		
Polypropylene .....	545, 546		
<b>Gate</b> .....	547		
<b>Globe</b> .....	548		
<b>Butterfly</b> .....	548 to 549		
Betts Wet-R-Dri™ .....	548		
Ductile iron .....	549		
<b>Control</b> .....	550 to 551		
Series F .....	550		
Series MV .....	550		
Series PF .....	551		
Series N .....	551		

- Sanitary valves are located on pages: 631 - 652
- Fire valves are located on pages: 821 - 842

### Domestic Bronze Ball Valves

**Application:**

- for control of air, water, oil and gas in hose or pipe lines, for other services, please contact Dixon®

**Features:**

- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam
- bronze valve bodies, balls and stems
- blow-out proof stems
- glass-filled reinforced PTFE seats and stuffing box ring; stem seals and washers
- plated steel handles and nuts with vinyl sleeves replacements available, contact Dixon® for pricing
- full and standard port valves are repairable
- meets WW-V 35C, Type II Composition



Female NPT	Port	Bronze Part #
1/4"	full	<b>BBV25</b>
3/8"	full	<b>BBV38</b>
1/2"	full	<b>BBV50</b>
3/4"	standard	<b>BBV75</b>
1"	standard	<b>BBV100</b>
1 1/4"	standard	<b>BBV125</b>
1 1/2"	standard	<b>BBV150</b>
2"	standard	<b>BBV200</b>
2 1/2"	standard	<b>BBV250</b>
3"	standard	<b>BBV300</b>

### Domestic Full Port Bronze Ball Valves

**Features:**

- machined solid chrome-plated ball
- multi-fill RPTFE seats and seals
- adjustable packing
- blow-out proof stem design
- bronze castings
- vacuum service to 29 inches Hg
- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam



Female NPT	Port	Bronze Part #
3/4"	full	<b>BBV75FP</b>
1"	full	<b>BBV100FP</b>
1 1/4"	full	<b>BBV125FP</b>
1 1/2"	full	<b>BBV150FP</b>
2"	full	<b>BBV200FP</b>

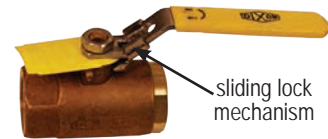
## Locking Handle Bronze Ball Valves

**Application:**

- for control of air, water, oil and gas in hose or pipe lines, for other services, please contact Dixon®

**Features:**

- pressure rating: **600 PSI WOG**; **150 PSI** saturated steam
- blow-out proof RPTFE stem
- chrome-plated bronze ball
- Stainless steel sliding lock mechanism secures handle in open or closed position; can be padlocked opened or closed.
- plated steel handles and nuts with vinyl sleeves
- full and standard port valves are repairable



Valves

Female NPT	Port	Bronze Part #
1/4"	full	<b>BBLV25</b>
3/8"	full	<b>BBLV38</b>
1/2"	full	<b>BBLV50</b>
3/4"	standard	<b>BBLV75</b>
1"	standard	<b>BBLV100</b>
1 1/4"	standard	<b>BBLV125</b>
1 1/2"	standard	<b>BBLV150</b>
2"	standard	<b>BBLV200</b>

## Bronze Ball Valves

**Applications:**

- for air, water, oil and gas service

**Features:**

- pressure rating: **600 PSI**, cold non-shock pressure rating: **150 PSI** saturated steam
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem
- adjustable packing gland



Male NPT x Female NPT	Port	Bronze Part #
1/2"	standard	<b>BMV50</b>
3/4"	standard	<b>BMV75</b>
1"	standard	<b>BMV100</b>

## "Deadman" Spring Return Handle Brass Ball Valves

**Features:**

- pressure rating: **600 PSI WOG**; **150 PSI** saturated steam
- vacuum service to 29 inches Hg
- stainless steel lever
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem design
- adjustable packing gland
- spring return closes valve when not held open
- operating torque approximately three times standard valve torque



Female NPT	Port	Brass Part #
1/2"	full	<b>BBV50SR</b>
3/4"	standard	<b>BBV75SR</b>
1"	standard	<b>BBV100SR</b>
1 1/2"	standard	<b>BBV150SR</b>
2"	standard	<b>BBV200SR</b>

## 250 Lb. Steam Ball Valves

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	Bronze Part #
1/2"	full	<b>BBV50ST</b>
3/4"	standard	<b>BBV75ST</b>
1"	standard	<b>BBV100ST</b>
2"	standard	<b>BBV200ST</b>

## Safety Vented Ball Valves

**Application:**

- for air service only

**Features:**

- pressure rating: **0-125 PSI**
- vent downstream air in accordance with OSHA regulation 1910.147 for pneumatic systems
- bronze valve
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem design
- adjustable packing gland



sliding lock mechanism

Female NPT	Port	Bronze Part #
1/4"	full	<b>BBV25LV</b>
3/8"	full	<b>BBV38LV</b>
1/2"	full	<b>BBV50LV</b>
3/4"	standard	<b>BBV75LV</b>
1"	standard	<b>BBV100LV</b>
1 1/4"	standard	<b>BBV125LV</b>
1 1/2"	standard	<b>BBV150LV</b>
2"	standard	<b>BBV200LV</b>

## Bronze Ball Valves with NPT Tap for Drain

**Application:**

- recommended for water and air service

**Features:**

- pressure rating: **125 PSI** WOG
- vent downstream air in accordance with OSHA regulations for pneumatic systems
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem
- adjustable packing gland
- auto-drain / auto-vent
- 1/4" NPT tapped port provides additional options such as an air venting elbow or noise muffler



Female NPT	Port	Bronze Part #
1/4"	full	<b>BBV25VT</b>
3/8"	full	<b>BBV38VT</b>
1/2"	full	<b>BBV50VT</b>
3/4"	full	<b>BBV75VT</b>
1"	full	<b>BBV100VT</b>



## Imported Brass Ball Valves

**Application:**

- for control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

**Features:**

- pressure rating: **600 PSI WOG**; **150 PSI** Working Steam Pressure
- forged brass body
- blow-out proof stems
- PTFE seat, seal and thrust washer
- chrome-plated brass ball and plated steel handle
- maximum temperature: **366°F (186°C)**
- Underwriters Listed

**female NPT x female NPT**



Size	Port	Brass Part #
1/4"	full	<b>FBV25</b>
3/8"	full	<b>FBV38</b>
1/2"	full	<b>FBV50</b>
3/4"	full	<b>FBV75</b>
1"	full	<b>FBV100</b>
1 1/4"	full	<b>FBV125</b>
1 1/2"	full	<b>FBV150</b>
2"	full	<b>FBV200</b>



**female NPT x female NPT**



Size	Port	Brass Part #
2 1/2"	full	<b>FBV250</b>
3"	full	<b>FBV300</b>
4"	full	<b>FBV400</b>

## Imported Brass Ball Valve with Locking Handle

**Application:**

- for control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

**Features:**

- pressure ratings: **600 PSI WOG**; **150 PSI** Working Steam Pressure
- forged brass body
- blow-out proof stem
- PTFE seat, seal and thrust washer
- chrome-plated brass ball and plated steel handle
- maximum temperature: **366°F (186°C)**

Female NPT	Port	Brass Part #
1/2"	full	<b>FBVL50</b>
3/4"	full	<b>FBVL75</b>
1"	full	<b>FBVL100</b>
1 1/4"	full	<b>FBVL125</b>
1 1/2"	full	<b>FBVL150</b>
2"	full	<b>FBVL200</b>
2 1/2"	full	<b>FBVL250</b>
3"	full	<b>FBVL300</b>
4"	full	<b>FBVL400</b>



### Global Brass Ball Valves

Valves



**Application:**

- for water and air only

**Features:**

- pressure ratings:
  - ¼" - ¾" rated to **365 PSI**
  - ½" - 2" rated to **600 PSI**
- forged brass body
- maximum temperature: **248°F (120°C)**

Female NPT	Port	Forged Brass Part #
¼"	full	<b>FBVG25</b>
⅜"	full	<b>FBVG38</b>
½"	full	<b>FBVG50</b>
¾"	full	<b>FBVG75</b>
1"	full	<b>FBVG100</b>
1¼"	full	<b>FBVG125</b>
1½"	full	<b>FBVG150</b>
2"	full	<b>FBVG200</b>

### Solder End Brass Ball Valves

**Application:**

- provides protection against potential gas leakage under extreme duty or low pressure applications

**Features:**

- pressure rating: **600 PSI WOG; 150 PSI** working steam pressure
- maximum temperature: **366°F (186°C)**
- brass body
- blow-out proof stem
- chrome-plated brass ball
- adjustable stem packing nut
- PTFE seat, seal, and thrust washer



Size	Port	Brass Part #
½"	full	<b>FBV50SE</b>
¾"	full	<b>FBV75SE</b>
1"	full	<b>FBV100SE</b>
1¼"	full	<b>FBV125SE</b>
1½"	full	<b>FBV150SE</b>
2"	full	<b>FBV200SE</b>

### Lead Free Brass Ball Valves

**Features:**

- lead free refers to the wetted surface of pipes, fittings and fixtures in potable water systems that have a weighted average lead content = 0.25% Source: California Health & Safety Code (116875). Vermont Act 193\*171NLF
- pressure rating: **600 WOG - 150 WSP**
- maximum temperature: **366°F (186°C)**
- PTFE seat and double O-ring stem packing



Female NPT	Port	Lead Free Brass Part #
½"	full	<b>LFV50</b>
¾"	full	<b>LFV75</b>
1"	full	<b>LFV100</b>
1¼"	full	<b>LFV125</b>
1½"	full	<b>LFV150</b>
2"	full	<b>LFV200</b>

## Dual Y Valves

**Application:**

- ideal for compressor applications

**Features:**

- dual action valve
- non-vented pressure rating: **600 PSI WOG**
- vented pressure rating: **125 PSI** Cold Working Pressure

**Vented**

Female NPT Inlet (1)	Female NPT Outlets (2)	Bronze Part #
1"	3/4"	<b>BBV100DWV</b>
1 1/4"	3/4"	<b>BBV125DWV</b>

**Non-Vented**

Female NPT Inlet (1)	Female NPT Outlets (2)	Bronze Part #
1"	3/4"	<b>BBV100DW</b>
1 1/4"	3/4"	<b>BBV125DW</b>



Valves

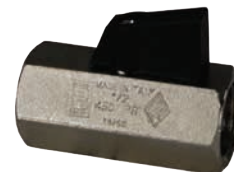
## Mini Ball Valves



**Features:**

- pressure rating: **450 PSI**
- nickel plated brass body
- PTFE seats and FKM stem seal
- blow-out proof stem
- maximum temperature **330°F (166°C)**
- Canadian Standard Association approved

Female NPT	Port	Nickel Plated Brass Part #
1/8"	standard	<b>MBV12</b>
1/4"	standard	<b>MBV25</b>
3/8"	standard	<b>MBV38</b>
1/2"	standard	<b>MBV50</b>



### 3-Way Brass Diverting Ball Valves T Flow

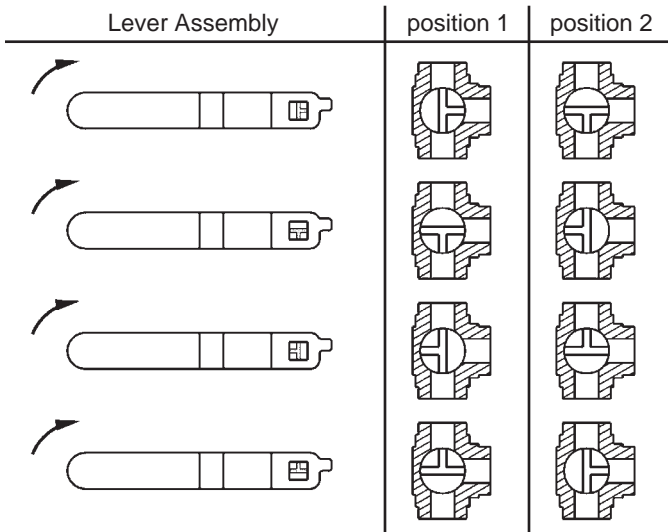
female NPT x female NPT x female NPT

Valves



**Features:**

- pressure rating: **400 PSI WOG**; **100 PSI** saturated steam
- brass body
- blow-out proof stem
- chrome plated brass ball
- PTFE seats, seals, and thrust washer
- adjustable stem packing
- maximum temperature: **366°F (186°C)**



Size	Port	Brass Part #
1/2"	standard	<b>BBV50DTW</b>
3/4"	standard	<b>BBV75DTW</b>
1"	standard	<b>BBV100DTW</b>
1 1/4"	standard	<b>BBV125DTW</b>
1 1/2"	standard	<b>BBV150DTW</b>
2"	standard	<b>BBV200DTW</b>

Note: 1/4 turn handle can be adjusted to any orientation. Notches on the valve stem reflect the three openings on the ball.

### 3-Way Brass Diverting Ball Valves L Flow

female NPT x female NPT x female NPT

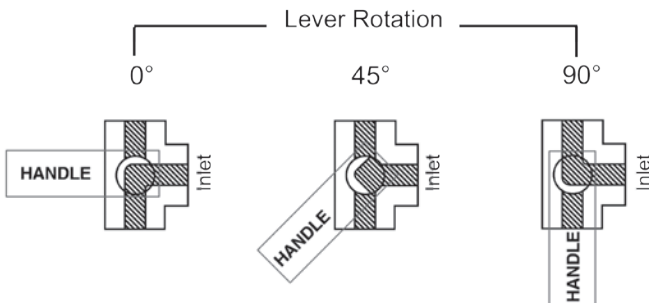


**Features:**

- can be used with gasoline and diesel fuel
- pressure rating: **400 PSI WOG**
- bronze body
- blow-out proof stem
- chromium-plated ball
- RPTFE seats and stuffing box ring
- stainless steel handle and nut with vinyl sleeve
- adjustable packing gland

Size	Port	Bronze Part #
1/2"	full	<b>BBV50TW</b> <sup>1</sup>
3/4"	standard	<b>BBV75TW</b>
1"	standard	<b>BBV100TW</b>

<sup>1</sup> carbon steel handle and nut with vinyl sleeve



**Features:**

- rated to **800 PSI WOG**
- stainless steel body and ball
- blow-out proof stem
- RPTFE seats and stuffing box ring
- stainless steel handle and nut with vinyl sleeve
- adjustable packing gland
- meets NACE MR-01-75

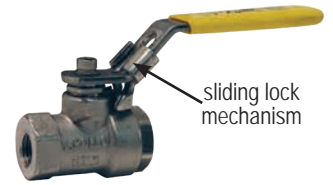
Size	Port	Stainless Steel Part #
1/2"	full	<b>SSBV50TW</b>
3/4"	standard	<b>SSBV75TW</b>
1"	standard	<b>SSBV100TW</b>

## 2-Piece Domestic Stainless Steel Ball Valves

**Features:**

- pressure rating: **1,000 PSI** Cold Working Pressure
- pressure rating: **150 PSI** saturated steam
- vacuum service to 29 inches Hg
- 316 stainless body, ball and stem
- PTFE seal
- blow-out proof stem
- vinyl handle cover
- temperature range: **-40°F to 400°F (-40°C to 204°C)**

Female NPT	Port	316 Stainless Steel Part #
1/4"	full	<b>DSBV25</b>
3/8"	full	<b>DSBV38</b>
1/2"	full	<b>DSBV50</b>
3/4"	full	<b>DSBV75</b>
1"	full	<b>DSBV100</b>
1 1/4"	full	<b>DSBV125</b>
1 1/2"	full	<b>DSBV150</b>
2"	full	<b>DSBV200</b>



Valves

## Stainless Steel Ball Valves Full Port

**Applications:**

- for use with water, oil and gas

**Features:**

- pressure rating: 1/4" - 2" rated to **1000 PSI** WOG (CWP)  
2 1/2" - 3" rated to **800 PSI** WOG (CWP)  
**100 PSI** saturated steam
- 316 stainless steel body, ball and stem
- RPTFE seat, joint gasket and thrust washer
- blow-out proof stem design
- temperature range: **-20°F to 446°F (-29°C to 230°C)** as long as the valve is run fully open/ closed

Female NPT	Port	316 Stainless Steel Part #
1/4"	full	<b>SSBV25</b>
3/8"	full	<b>SSBV38</b>
1/2"	full	<b>SSBV50</b>
3/4"	full	<b>SSBV75</b>
1"	full	<b>SSBV100</b>
1 1/4"	full	<b>SSBV125</b>
1 1/2"	full	<b>SSBV150</b>
2"	full	<b>SSBV200</b>
2 1/2"	full	<b>SSBV250</b>
3"	full	<b>SSBV300</b>



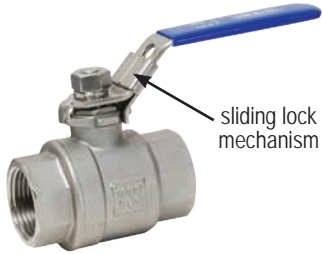
## Stainless Steel Ball Valves Full Port with Locking Handle

**Applications:**

- for use with water, oil and gas

**Features:**

- pressure rating: ¼" - 2" rated to **1000 PSI** WOG (CWP)  
2½" - 3" rated to **800 PSI** WOG (CWP)  
**100 PSI** saturated steam
- 316 stainless steel body, ball and stem
- RPTFE seat, joint gasket and thrust washer
- plastic cover on handle
- blow-out proof stem design
- temperature range: **-20°F to 356°F (-29°C to 180°C)**
- lockable
- not recommended as a throttling valve



Female NPT	Port	316 Stainless Steel Part #
¼"	full	<b>SSLBV25</b>
⅜"	full	<b>SSLBV38</b>
½"	full	<b>SSLBV50</b>
¾"	full	<b>SSLBV75</b>
1"	full	<b>SSLBV100</b>
1¼"	full	<b>SSLBV125</b>
1½"	full	<b>SSLBV150</b>
2"	full	<b>SSLBV200</b>
2½"	full	<b>SSLBV250</b>
3"	full	<b>SSLBV300</b>

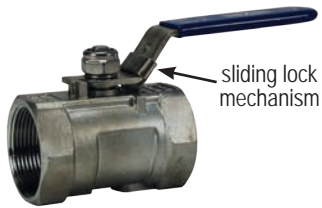
## Stainless Steel Ball Valves Reduced Port with Locking Handle

**Applications:**

- for use with water, oil and gas

**Features:**

- pressure rating: **1000 PSI** WOG; **100 PSI** saturated steam
- 316 stainless steel body, ball and stem
- RPTFE seat, joint gasket and thrust washer
- plastic cover on handle
- blow-out proof stem design
- temperature range: **-20°F to 356°F (-29°C to 180°C)**
- lockable
- not recommended as a throttling valve



Female NPT	Port	316 Stainless Steel Part #
¼"	reduced	<b>SSLBV25SP</b>
⅜"	reduced	<b>SSLBV38SP</b>
½"	reduced	<b>SSLBV50SP</b>
¾"	reduced	<b>SSLBV75SP</b>
1"	reduced	<b>SSLBV100SP</b>
1¼"	reduced	<b>SSLBV125SP</b>
1½"	reduced	<b>SSLBV150SP</b>
2"	reduced	<b>SSLBV200SP</b>

### 3-Piece Industrial Stainless Steel Ball Valves FNPT

**Features:**

- blow out proof stem
- live-loaded stem packing
- swing out design for easy maintenance
- ISO 5211 mounting pad
- RTFE seat and seals
- maximum temperature: **400°F (200°C)**
- maximum pressure: 1/4" - 1/2" **1,000 PSI** WOG at 65°F, 2 1/2" - 3" **800 PSI** WOG at 65°F, 4" **600 PSI** WOG at 65°F

Female NPT	Port	PSI @ 65°F	Body Length	CF8M Stainless Steel Part #
1/2"	full	<b>1000</b>	2.8"	<b>BV2IGN05011-A</b>
3/4"	full	<b>1000</b>	3.1"	<b>BV2IGN07511-A</b>
1"	full	<b>1000</b>	3.3"	<b>BV2IGN10011-A</b>
1 1/4"	full	<b>1000</b>	4.1"	<b>BV2IGN12511-A</b>
1 1/2"	full	<b>1000</b>	4.4"	<b>BV2IGN15011-A</b>
2"	full	<b>1000</b>	5.1"	<b>BV2IGN20011-A</b>
2 1/2"	full	<b>800</b>	6.6"	<b>BV2IGN25011-A</b>
3"	full	<b>800</b>	7.3"	<b>BV2IGN30011-A</b>
4"	full	<b>600</b>	8.9"	<b>BV2IGN40011-A</b>



Valves

### 3-Piece Industrial Stainless Steel Ball Valves Socket Weld

Female NPT	Port	PSI @ 65°F	Body Length	CF8M Stainless Steel Part #
1/2"	full	<b>1000</b>	2.8"	<b>BV2IGN05033-A</b>
3/4"	full	<b>1000</b>	3.1"	<b>BV2IGN07533-A</b>
1"	full	<b>1000</b>	3.3"	<b>BV2IGN10033-A</b>
1 1/4"	full	<b>1000</b>	4.1"	<b>BV2IGN12533-A</b>
1 1/2"	full	<b>1000</b>	4.4"	<b>BV2IGN15033-A</b>
2"	full	<b>1000</b>	5.1"	<b>BV2IGN20033-A</b>
2 1/2"	full	<b>800</b>	6.6"	<b>BV2IGN25033-A</b>
3"	full	<b>800</b>	7.3"	<b>BV2IGN30033-A</b>
4"	full	<b>600</b>	8.9"	<b>BV2IGN40033-A</b>



### "Deadman" Spring Return Handle Stainless Steel Ball Valves

**Features:**

- pressure rating: **2000 PSI** WOG 1/2" to 1"; **1500 PSI** WOG 1 1/4" to 2"
- **150 PSI** saturated steam, all sizes
- vacuum service to 29 inches Hg, all sizes
- PTFE seal
- blow-out proof stem design
- adjustable packing gland
- spring return closes valve when not held open
- operating torque approximately three times standard valve torque

Female NPT	Port	316 Stainless Steel Part #
1/2"	full	<b>SSBV50SR</b>
3/4"	standard	<b>SSBV75SR</b>
1"	standard	<b>SSBV100SR</b>
1 1/4"	standard	<b>SSBV125SR</b>
1 1/2"	standard	<b>SSBV150SR</b>
2"	standard	<b>SSBV200SR</b>



## Industrial Wafer Ball Valves

Valves



**Features:**

- ANSI Class 150 wafer style ball valve
- full port, sizes 1" to 4"
- blow out proof stem
- ideal option to high performance butterflies
- space saving
- anti-static stem design
- locking plate included

**Materials:**

- body: CF8M
- ball and end connection: 316 stainless steel
- elastomers: FKM
- seats: 25% carbon reinforced PTFE

Size	Stainless Steel Part #
1"	<b>BV2IC-100WW-A</b>
1¼"	<b>BV2IC-125WW-A</b>
1½"	<b>BV2IC-150WW-A</b>
2"	<b>BV2IC-200WW-A</b>
2½"	<b>BV2IC-250WW-A</b>
3"	<b>BV2IC-300WW-A</b>
4"	<b>BV2IC-400WW-A</b>

## Mann Tek Full Flow Ball Valves

**Features:**

- high flow rate; low pressure drop
- wetted parts are aluminum and stainless steel
- FPM seals
- spindle can be disassembled even when ball valve is installed
- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved
- optional ports include DN flange, butt weld and 150# flange, contact Dixon® for details
- two ports - one inlet and one outlet



### One-Way Full Flow Ball Valve Female NPT

Size	Aluminum Part #
2"	<b>1WAYBV200</b>
3"	<b>1WAYBV300</b>
4"	<b>1WAYBV400</b>

### One-Way Full Flow Ball Valve Socket Weld



Size	Bore	Aluminum Part #
2"	2.390"	<b>1WAYBV200SW</b>
3"	3.530"	<b>1WAYBV300SW</b>

### One-Way Full Flow Ball Valve Grooved



Size	Aluminum Part #
2"	<b>1WAYBV200VIC</b>
3"	<b>1WAYBV300VIC</b>



Mann Tek Full Flow Ball Valves

Features:

- high flow rate; low pressure drop
- wetted parts are aluminum and stainless steel
- FPM seals
- spindle can be disassembled even when ball valve is installed
- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved
- optional ports include DN flange, butt weld and 150# flange, contact Dixon® for details
- three ports - one inlet and two outlets, valve directs the flow from the inlet to either of the two outlets
- commonly used for switching compartments or tanks



Valves

Two-Way Full Flow Ball Valve Female NPT

Size	Aluminum Part #
2"	<b>2WAYBV200</b>
3"	<b>2WAYBV300</b>
4"	<b>2WAYBV400</b>

Two-Way Full Flow Ball Valve Socket Weld

Size	Bore	Aluminum Part #
2"	2.390"	<b>2WAYBV200SW</b>
3"	3.530"	<b>2WAYBV300SW</b>



Two-Way Full Flow Ball Valve Grooved

Size	Aluminum Part #
2"	<b>2WAYBV200VIC3</b>
3"	<b>2WAYBV300VIC3</b>



## Carbon Steel Ball Valves

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"	<b>2000</b>	full	<b>IBV25</b>
3/8"	<b>2000</b>	full	<b>IBV38</b>
1/2"	<b>2000</b>	standard	<b>IBV50</b>
3/4"	<b>2000</b>	standard	<b>IBV75</b>
1"	<b>2000</b>	standard	<b>IBV100</b>
1 1/4"	<b>1500</b>	standard	<b>IBV125</b>
1 1/2"	<b>1500</b>	standard	<b>IBV150</b>
2"	<b>1500</b>	standard	<b>IBV200</b>

## High Pressure Full-Bore Ball Valves

**Features:**

- blow-out proof stem
- rugged construction
- FKM/FPM seals
- POM (Polyacetal) ball seats



Female NPT	PSI	Carbon Steel		PSI	316 Stainless Steel Part #
		Part #	SAE Part #		
1/4"	<b>7350</b>	<b>HPBV25</b>	<b>HPBV25SAE</b>	<b>5880</b>	<b>HPBV25SS</b>
3/8"	<b>7350</b>	<b>HPBV38</b>	<b>HPBV38SAE</b>	<b>5880</b>	<b>HPBV38SS</b>
1/2"	<b>7350</b>	<b>HPBV12</b>	<b>HPBV12SAE</b>	<b>5880</b>	<b>HPBV12SS</b>
3/4"	<b>6000</b>	<b>HPBV34</b>	<b>HPBV34SAE</b>	<b>5145</b>	<b>HPBV34SS</b>
1"	<b>6000</b>	<b>HPBV10</b>	<b>HPBV10SAE</b>	<b>5145</b>	<b>HPBV10SS</b>
1 1/4"	<b>6000</b>	<b>HPBV125</b>	<b>HPBV125SAE</b>	---	---
1 1/2"	<b>6000</b>	<b>HPBV150</b>	<b>HPBV150SAE</b>	---	---
2"	<b>6000</b>	<b>HPBV200</b>	<b>HPBV200SAE</b>	---	---

## High Pressure Full-Bore **3-Way** Ball Valves

**Features:**

- temperature range: **-20°F to 215° F (-29°C to 102°C)**
- rugged construction
- FKM seals
- POM (polyacetal) ball seats
- black oxide coating
- nickel plated ball



Standard L 90°

Female NPT	PSI	Carbon Steel Part #
1/2"	<b>5145</b>	<b>HPBV12-3WAY</b>
3/4"	<b>5145</b>	<b>HPBV34-3WAY</b>
1"	<b>5145</b>	<b>HPBV10-3WAY</b>

## 150# Flanged Ball Valves

**Applications:**

- suitable for air, water, oil and gas

**Features:**

- product approvals include: LP gas shut-off valves, flammable liquid shut-off valves, gas shut-off valves, compressed gas shut-off valves, and anhydrous ammonia shut-off valves
- body: ASTM A216 WCB
- RPTFE seat
- vacuum service to 29 inches of Hg
- pressure rating: **150 PSIG** saturated steam
- temperature up to **400°F (204°C)**
- PSI rating up to **280 PSI**
- four point ISO 5211 mounting pad bolt pattern
- anti-static grounded ball and stem
- blow-out proof stem design
- bleed/drain port (cast) 1/2" NPT
- fire safe (graphite packing and seal)
- adjustable packing gland



Size	Port	Carbon Steel Part #
2"	full	<b>FLBV200CS</b>
2½"	full	<b>FLBV250CS</b>
3"	full	<b>FLBV300CS</b>
4"	full	<b>FLBV400CS</b>
6"	full	<b>FLBV600CS</b>
8"	full	<b>FLBV800CS</b>

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

## Polypropylene Bolted Ball Valves

**Features:**

- pressure rating: ½" - 3" is rated to **125 PSI** at **70°F (21°C)**  
4" is rated to **90 PSI** at **70°F (21°C)**
- chemically-resistant, reinforced polypropylene
- PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seal
- 304 stainless steel nuts and bolts
- FDA approved material

### Polypropylene 4-Bolt Ball Valves

Female NPT	Port	Polypropylene Part #
½"	full	<b>PVFP50</b>
¾"	full	<b>PVFP75</b>
1"	full	<b>PVFP100</b>
1½"	full	<b>PVFP150</b>
1"	standard	<b>PV100</b>
2"	standard	<b>PV200</b>



### Polypropylene 6-Bolt Ball Valves

Female NPT	Port	Polypropylene Part #
2"	full	<b>PVFP200</b>
3"	full	<b>PVFP300</b>



### Polypropylene 8-Bolt Ball Valves

Female NPT	Port	Polypropylene Part #
4"	full	<b>PVFP400</b>



### Polypropylene Compact Bolted Ball Valves

**Features:**

- pressure rating: **125 PSI at 70°F (21°C)**
- chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seals
- 304 stainless steel nuts and bolts
- FDA approved material



#### Polypropylene Compact Bolted Ball Valve

Female NPT	Port	Body Length	Polypropylene Part #
2"	full	4 <sup>7</sup> / <sub>8</sub> "	<b>PVFPS200</b>



#### Polypropylene Compact Bolted Ball Valve

Female NPT x Male Adapter	Port	Body Length	Polypropylene Part #
2"	full	6 <sup>7</sup> / <sub>8</sub> "	<b>PVFPSA200</b>

### Polypropylene 45° Single Union Nozzle Valves

**Features:**

- pressure rating: **125 PSI at 70°F (21°C)**
- corrosion resistant polypropylene body, PTFE ball seats
- EPDM O-ring
- FDA approved material



Female NPT x Nozzle	Port	Polypropylene Part #
1"	full	<b>SUBVN100</b>

### Polypropylene Bolted Ball Valves with Nozzle

**Features:**

- pressure rating: **125 PSI at 70°F (21°C)**
- chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seals, FKM O-ring stem seals
- 304 stainless steel nuts and bolts
- FDA approved material
- body-to-flange design allows for low torque operation



Female NPT x Nozzle	Port	Polypropylene Part #
1 <sup>1</sup> / <sub>2</sub> "	full	<b>PVFPN150</b>
2"	full	<b>PVFPN200</b>
2"	standard	<b>PVN200</b>

### Polypropylene Single Union Ball Valves

**Features:**

- pressure rating: **125 PSI at 70°F (21°C)**
- corrosion resistant polypropylene body, PTFE ball seat
- EPDM O-ring
- FDA approved material



Female NPT	Port	Polypropylene Part #
1/2"	full	<b>SUBV50</b>
3/4"	full	<b>SUBV75</b>
1"	full	<b>SUBV100</b>
1 1/4"	full	<b>SUBV125</b>
1 1/2"	full	<b>SUBV150</b>
2"	full	<b>SUBV200</b>
3"	full	<b>SUBV300</b>

## Domestic Bronze Gate Valves

**Features:**

- Class 150
- pressure rating: **300 PSI** cold working pressure, **150 PSI** steam working pressure
- union bonnet
- ASME B1.20.1
- Grafoil® packing
- rising stem
- solid disc
- malleable iron handwheel
- 100% factory tested
- temperature range: **-20°F to 406°F (-29°C to 208°C)**

Female NPT	Bronze Part #
½"	<b>DBGV50</b>
¾"	<b>DBGV75</b>
1"	<b>DBGV100</b>
1¼"	<b>DBGV125</b>
1½"	<b>DBGV150</b>
2"	<b>DBGV200</b>



Valves

## Stainless Steel Gate Valves

**Features:**

- pressure rating: **200 PSI** non-shock cold water, oil, gas
- threaded bonnet
- integral seat
- adjustable packing nut
- non-rising stem
- solid wedge disc
- iron handwheel
- 100% factory tested

Female NPT	Brass Part #	316 Stainless Steel Part #
¼"	<b>BGV25</b>	---
⅜"	<b>BGV38</b>	---
½"	<b>BGV50</b>	<b>SSGV50</b>
¾"	<b>BGV75</b>	<b>SSGV75</b>
1"	<b>BGV100</b>	<b>SSGV100</b>
1¼"	<b>BGV125</b>	<b>SSGV125</b>
1½"	<b>BGV150</b>	<b>SSGV150</b>
2"	<b>BGV200</b>	<b>SSGV200</b>
2½"	<b>BGV250</b>	---
3"	<b>BGV300</b>	---
4"	<b>BGV400</b>	---



brass



316 stainless

## Forged Steel Gate Valves

**Application:**

- can be used for steam service

**Features:**

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: **1975 PSI**
- maximum temperature: **800°F (427°C)**

Female NPT	Forged Steel Part #
½"	<b>FSGV50</b>
¾"	<b>FSGV75</b>
1"	<b>FSGV100</b>
1¼"	<b>FSGV125</b>
1½"	<b>FSGV150</b>
2"	<b>FSGV200</b>



### Domestic Bronze Globe Valves

**Features:**

- Class 150
- pressure rating: **300 PSI** cold working pressure, **150 PSI** steam working pressure
- union bonnet
- ASME B1.20.1
- Grafoil® packing
- PTFE disc
- malleable iron handwheel
- 100% factory tested



Female NPT	Bronze Part #
1/2"	<b>DGLBV50</b>
3/4"	<b>DGLBV75</b>
1"	<b>DGLBV100</b>
1 1/4"	<b>DGLBV125</b>
1 1/2"	<b>DGLBV150</b>
2"	<b>DGLBV200</b>

### Forged Steel Globe Valves

**Features:**

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: **1975 PSI**
- maximum temperature: **800°F (427°C)**
- can be used for steam service



Female NPT	Forged Steel Part #
1/2"	<b>FSGLBV50</b>
3/4"	<b>FSGLBV75</b>
1"	<b>FSGLBV100</b>
1 1/4"	<b>FSGLBV125</b>
1 1/2"	<b>FSGLBV150</b>
2"	<b>FSGLBV200</b>

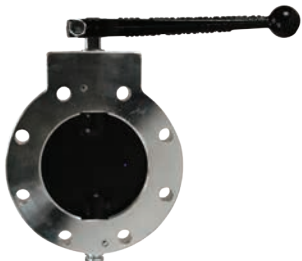
### Betts Wet-R-Dri™ Butterfly Valves

**Application:**

- designed for handling liquid, gaseous or dry products

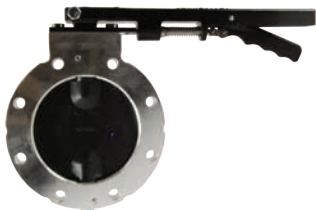
**Features:**

- has a positive stop in the open and closed position
- detent spring and ball assist in holding the disc in the open and closed position
- drilling fits TTMA recommended standards
- opens by turning hand 1/4 turn counter clockwise
- temperature range: **0°F to 400°F (-17°C to 204°C)**



**Manual**

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



**Metering**

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

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

## Ductile Iron Butterfly Valves

 NOT RECOMMENDED FOR STEAM SERVICE

- for use between two 150 lb. flanges
- 10 position trigger grip handle
- pressure rating: **200 PSI** at ambient temperature **70°F (21°C)**

### Threaded Lug Style Butterfly Valves

**Features:**

- ductile iron body, ASTM A536
- aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- stainless steel top and bottom stems

Size	Ductile Iron with Buna-N Liner Part #	Ductile Iron with EPDM Liner Part #
2"	<b>BFVL200</b>	<b>BFVL200E</b>
3"	<b>BFVL300</b>	<b>BFVL300E</b>
4"	<b>BFVL400</b>	<b>BFVL400E</b>
6"	<b>BFVL600</b>	<b>BFVL600E</b>



Valves

### Wafer Style 150 lb. Butterfly Valves with Aluminum Bronze Disc

**Features:**

- ductile iron body, ASTM A536
- aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- stainless steel top and bottom stems

Size	Ductile Iron with Buna-N Liner Part #	Ductile Iron with EPDM Liner Part #
2"	<b>BBFVW200</b>	<b>BBFVW200E</b>
3"	<b>BBFVW300</b>	<b>BBFVW300E</b>
4"	<b>BBFVW400</b>	<b>BBFVW400E</b>
6"	<b>BBFVW600</b>	<b>BBFVW600E</b>



### Wafer Style 150 lb. Butterfly Valves with Stainless Disc

**Features:**

- ductile iron body, ASTM A536
- stainless steel disc, ASTM A351, GR. CF-8M
- Buna-N seal and stem seals
- PTFE bushing
- stainless steel top and bottom stems

Size	Ductile Iron with Buna-N Liner Part #
2"	<b>BFVW200</b>
3"	<b>BFVW300</b>
4"	<b>BFVW400</b>
6"	<b>BFVW600</b>



### Wafer Style 150 lb. Butterfly Valves with Iron Disc

**Features:**

- ductile iron body, ASTM A536
- nickel plated ductile iron disc
- Buna-N seal and stem seals
- PTFE bushing
- 416 stainless stem

Size	Ductile Iron with Buna-N Liner Part #	Ductile Iron with EPDM Liner Part #
3"	<b>IBFVW300</b>	<b>IBFVW300E</b>
4"	<b>IBFVW400</b>	<b>IBFVW400E</b>
6"	<b>IBFVW600</b>	<b>IBFVW600E</b>
8"	<b>IBFVW800</b>	<b>IBFVW800E</b>



Flow Control Valves

Steel Series F

Features:

- Two-step needle provides fine adjustments at low flow with the first three turns of the adjusting knob. The next three turns give full-open needle position and conventional throttling control. When flow is reversed, a heavy-duty poppet/retainer permits full-flow return capacity.
- color-coded reference scale simplifies flow setting, resetting, adjusting and return to original flow, a simple set screw locks the valve on any desired setting.
- maximum operating pressure: **5000 PSI at 70°F (21°C)** for 1/8" - 1/2", **3000 PSI at 70°F (21°C)** for 3/4" - 2"

Valves



Female NPTF	Black Oxide Steel Part #
1/8"	<b>SFC200</b>
1/4"	<b>SFC400</b>
3/8"	<b>SFC600</b>
1/2"	<b>SFC800</b>
3/4"	<b>SFC1200</b>
1"	<b>SFC1600</b>
1 1/2"	<b>SFC2400</b>
2"	<b>SFC3200</b>

Brass Series F

Features:

- provides precision flow control and full shutoff in one flow direction, automatically allows unrestricted flow in the opposite direction
- two-step needle for fine adjustments at low flow with first 3 turns of the adjusting knob, next 3 turns give full-open needle position and conventional throttling control
- when flow is reversed the heavy-duty poppet/retainer permits full flow return capacity
- color coded scale simplifies flow setting, resetting, adjusting and return to an original flow
- a set screw locks the valve on any desired setting
- maximum operating pressure: **2000 PSI** at ambient temperature **70°F (21°C)** for sizes 1/8" - 3/4", **500 PSI** at ambient temperature **70°F (21°C)** for 1"



Female NPTF	Brass Part #
1/8"	<b>BFC200</b>
1/4"	<b>BFC400</b>
3/8"	<b>BFC600</b>
1/2"	<b>BFC800</b>
3/4"	<b>BFC1200</b>
1"	<b>BFC1600</b>

Series MV Metering

Features:

- easily make fine adjustments and resets with color code feature that shows when desired setting is reached
- body components are precision-turned from solid barstock
- 416 stainless steel needle
- maximum operating pressure: **5000 PSI at 70°F (21°C)**



Female NPTF	Steel Part #
1/4"	<b>SMV400</b>
3/8"	<b>SMV600</b>
1/2"	<b>SMV800</b>



## Flow Control Valves

### Steel Series PF

**Features:**

- recommended for use in non-shock applications
- ball type check meters the flow of hydraulic oil in one direction and allows for free flow in the reverse direction
- maximum operating pressure: **5000 PSI at 70°F (21°C)**, cracking pressure: **5 PSI**

Female NPTF	Zinc Plated Steel with a dichromate seal Part #
1/4"	<b>SPF400</b>
3/8"	<b>SPF600</b>
1/2"	<b>SPF800</b>



Valves

### Brass Series PF

**Features:**

- ball type check meters flow of air in one direction and allows free flow in the reverse direction
- used to control actuator speed by acting as a restriction
- maximum operating pressure: **2000 PSI at ambient temperature 70°F (21°C)**
- cracking pressure: **5 PSI**

Female NPTF	Brass Part #
1/8"	<b>BPF200</b>
1/4"	<b>BPF400</b>
3/8"	<b>BPF600</b>
1/2"	<b>BPF800</b>



### Steel Series N

**Features:**

- excellent speed control on hydraulic systems where a reverse flow check valve is not needed
- reliable shutoff in a very small envelope; color-coded reference scale simplifies setting, resetting, adjusting and quick return to a previous speed setting
- maximum operating pressure: **5000 PSI at 70°F (21°C)** for 1/8" - 3/4", **3000 PSI at 70°F (21°C)** for 1" - 1 1/4"

Female NPTF	Steel Part #
1/8"	<b>SN200</b>
1/4"	<b>SN400</b>
3/8"	<b>SN600</b>
1/2"	<b>SN800</b>
3/4"	<b>SN1200</b>
1"	<b>SN1600</b>
1 1/4"	<b>SN2000</b>



### Brass Series N

**Features:**

- for use as speed control on hydraulic and pneumatic systems where a reverse flow check valve is not needed
- provides excellent control and reliable shutoff in a very small envelope
- color coded scale simplifies setting, resetting, adjusting and quick return to a previous speed setting
- maximum operating pressure: **2000 PSI at ambient temperature 70°F (21°C)** for sizes 1/8" - 3/4", **500 PSI at ambient temperature 70°F (21°C)** for 1"

Female NPTF	Brass Part #
1/8"	<b>BN200</b>
1/4"	<b>BN400</b>
3/8"	<b>BN600</b>
1/2"	<b>BN800</b>
3/4"	<b>BN1200</b>
1"	<b>BN1600</b>

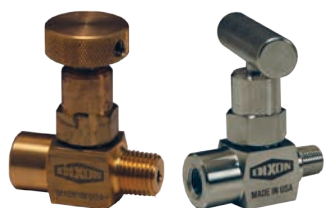


### Mini Needle Valves

**Features:**

- available in a variety of materials and handle options
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to 1 x 10<sup>-4</sup> ml/s at 200 PSI
- 1/8" and 1/4" are orifice size: 0.172", flow coefficient: 0.42
- 1/2": orifice size are 0.187", flow coefficient: 0.44, hex body
- all stems are 316 stainless steel

**Male to Female**



NPT Size	Handle Style	PSI @ 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" - 27	knurled knob	6000	<b>MFB101</b>	T design	10000	<b>MFC101</b>	<b>MFS101</b>
1/4" - 18	knurled knob	6000	<b>MFB102</b>	T design	10000	<b>MFC102</b>	<b>MFS102</b>
1/2" - 14	---	---	---	T design	10000	<b>MFC404</b>	<b>MFS404</b>

**Female to Female**



NPT Size	Handle Style	PSI at 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" - 27	knurled knob	6000	<b>FFB101</b>	T design	10000	<b>FFC101</b>	<b>FFS101</b>
1/4" - 18	knurled knob	6000	<b>FFB102</b>	T design	10000	<b>FFC102</b>	<b>FFS102</b>
1/2" - 14	---	---	---	T design	10000	<b>FFC404</b>	<b>FFS404</b>

### Multiport Needle Valves

**Features:**

- reduces the number of gauge and other instrument connections to permanent piping installations, decreasing possible leak paths
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to 1 x 10<sup>-4</sup> ml/s at 200 PSI
- 1/2" female NPT port
- orifice size is 0.187", flow coefficient: 0.44
- all stems are 316 stainless steel

**Hard Seat Male to Female**



NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/2" - 14	T design	10000	<b>MFC204</b>	<b>MFS204</b>
3/4" - 14	T design	10000	<b>MFC20604</b>	<b>MFS20604</b>

**Soft Seat Male to Female**



NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/2" - 14	T design	6000	<b>MFC304</b>	<b>MFS304</b>
3/4" - 14	T design	6000	<b>MFC30604</b>	<b>MFS30604</b>

## Block and Bleed Needle Valves

**Features:**

- allows pressure to be bled off without disturbing the permanent piping installation allowing quick and easy removal or replacement of instruments
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to  $1 \times 10^{-4}$  ml/s at 200 PSI
- orifice size is 0.187", flow coefficient: 0.44
- all stems are 316 stainless steel
- 0.090" bleed hole located on bottom is controlled by a 1/4"-20 UNF-2A bleed screw

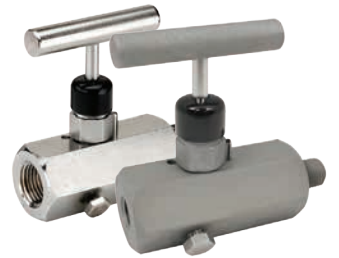
### Hard Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	<b>10000</b>	<b>MFC602</b>	<b>MFS602</b>
1/2" - 14	T design	<b>10000</b>	<b>MFC604</b>	<b>MFS604</b>



### Soft Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	<b>6000</b>	<b>MFC702</b>	<b>MFS702</b>
1/2" - 14	T design	<b>6000</b>	<b>MFC704</b>	<b>MFS704</b>



## Bleed Needle Valves

**Features:**

- convenient way to relieve process pressures trapped between a shut-off valve and the instrument
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to  $1 \times 10^{-4}$  ml/s at 200 PSI
- non-rotating soft tip stem and a backup metal-to-metal seal
- all stems are 316 stainless steel
- 0.159" bleed port

### Hard Seat Male

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	<b>10000</b>	<b>MC802</b>	<b>MS802</b>
1/2" - 14	T design	<b>10000</b>	<b>MC804</b>	<b>MS804</b>



316 stainless

### Soft Tip Male

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	<b>6000</b>	<b>MC852</b>	<b>MS852</b>
1/2" - 14	T design	<b>6000</b>	<b>MC854</b>	<b>MS854</b>



316 stainless

Valves

Button



Thread	Brass Part #
1/4" NPT female	<b>BV2F</b>
1/4" NPT male	<b>BV2M</b>

Tank Filler

Valves



TFV1S

TFV2

Applications:

- used on compressed air tanks and other applications

Feature:

- standard valve stem thread

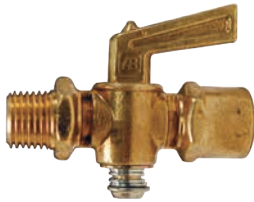


TFV1L

TFV2HB

Connection	Length	Nickel Plated Part #	Length	Brass Part #
1/8" NPT	.85"	<b>TFV1S</b>	---	---
	1.24"	<b>TFV1L</b>	---	---
1/4" NPT	1"	<b>TFV2</b>	---	---
1/4" barb	---	---	1.57"	<b>TFV2HB</b>

Brass Lever External Drains



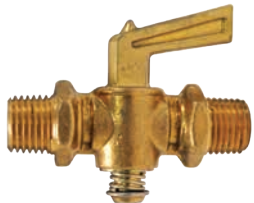
Application:

- for air service only 

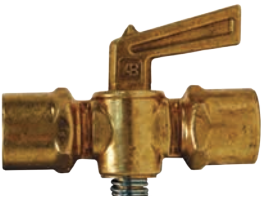
Feature:

- maximum operating pressure: **30 PSI** at ambient temperature **70°F (21°C)**

Female NPT	Male NPT	Brass Part #
1/4"	1/4"	<b>LDC2</b>



Male NPT	Male NPT	Brass Part #
1/4"	1/4"	<b>LDCM2</b>



Female NPT	Female NPT	Brass Part #
1/4"	1/4"	<b>LDCF2</b>

Brass External Drain Cocks

Applications:

- designed for low pressure water and air applications

Feature:

- maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**



NPT Size	Brass Part #
1/8"	<b>D02</b>
1/4"	<b>D04</b>

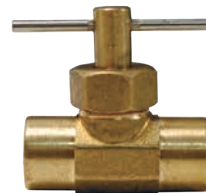
Needle Valves

Features:

- metal-to-metal seats allow positive sealing and flow adjustment
- designed for air and water applications
- maximum working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

female x female

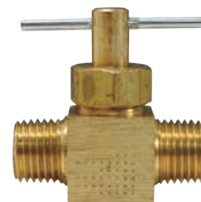
Female NPT	Female NPT	Brass Part #
1/8"	1/8"	<b>NV2F</b>
1/4"	1/4"	<b>NV4F</b>



Valves

male x male

Male NPT	Male NPT	Brass Part #
1/4"	1/4"	<b>NV4M</b>



## Safety Check Valves

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:**

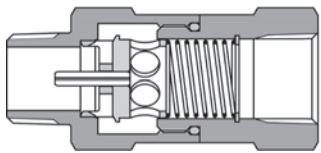
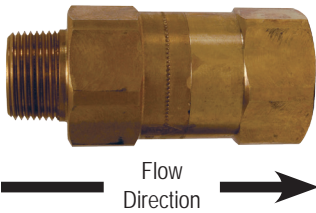
- high flow valve provides optimum performance
- controls excess air flow (SCFM) in only one direction
- automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- solid brass body and valve
- stainless steel spring and roll pin
- maximum operating pressure: **350 PSI**
- maximum temperature: **250°F (121°C)**
- does not prevent backflow

**Specification:**

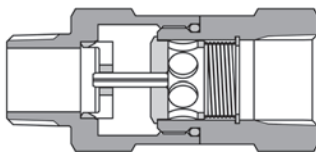
- conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines

**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)	Brass Part #	NPT & Hose ID Size	Cut-off Flow Rate (SCFM at 90 PSI)	Brass Part #
1/4"	23-29	<b>SCVL2</b>	1 1/4"	260-290	<b>SCVL10</b>
	30-36	<b>SCVL3</b>		300-340	<b>SCVM10</b>
3/8"	39-47	<b>SCVM3</b>		440-500	<b>SCVS10</b>
	52-65	<b>SCVS3</b>		570-630	<b>SCVH10</b>
	70-78	<b>SCVM4</b>		300-360	<b>SCVL12</b>
1/2"	80-96	<b>SCVS4</b>		470-530	<b>SCVM12</b>
	72-88	<b>SCVL6</b>	564-602	<b>SCVX12</b>	
3/4"	92-108	<b>SCVM6</b>	640-720	<b>SCVS12</b>	
	112-128	<b>SCVR6</b>	750-830	<b>SCVH12</b>	
	132-148	<b>SCVJ6</b>	2"	510-590	<b>SCVL16</b>
	160-180	<b>SCVS6</b>		725-825	<b>SCVM16</b>
180-200	<b>SCVH6</b>	900-1050		<b>SCVS16</b>	
165-195	<b>SCVL8</b>	1100-1200		<b>SCVH16</b>	
1"	220-260	<b>SCVM8</b>	3"	1200-1400	<b>SCVL24</b>
	280-320	<b>SCVS8</b>		2400-2700	<b>SCVS24</b>
	310-340	<b>SCVH8</b>		2850-3050	<b>SCVH24</b>

## Safety Pop-Off Valves

**Applications:**

- for use on compressors and in compressed air service

**Features:**

- designed to protect un-fired pressure vessels from over-pressure
- ASME Code, National Board Certified
- CSA B51-03 certified
- maximum temperature: **400°F (204°C)**

### Soft Seat

**Feature:**

- constructed of precision machined brass bar stock with a silicone disc sealing on the brass

Male NPT	Preset Pressure PSI	SCFM	Brass Part #
1/4"	<b>100</b>	51	<b>KSV10-100</b>
	<b>125</b>	62	<b>KSV10-125</b>
	<b>150</b>	73	<b>KSV10-150</b>
	<b>175</b>	84	<b>KSV10-175</b>



### Standard

**Features:**

- brass valves are supplied with a stainless steel ball
- stainless valves are all stainless construction with a soft seat

Male NPT	Preset Pressure PSI	SCFM	Brass Part #	SCFM	Stainless Steel Part #
1/4"	<b>30</b>	35	<b>SV30</b>	35	<b>SV30SS</b>
	<b>100</b>	89	<b>SV100</b>	92	<b>SV100SS</b>
	<b>125</b>	109	<b>SV125</b>	112	<b>SV125SS</b>
	<b>150</b>	129	<b>SV150</b>	132	<b>SV150SS</b>
	<b>175</b>	149	<b>SV175</b>	153	<b>SV175SS</b>
	<b>200</b>	168	<b>SV200</b>	173	<b>SV200SS</b>



### Heavy Duty, High Capacity

**Feature:**

- all brass construction with stainless steel ball on a precision machined brass seat

Male NPT	Preset Pressure PSI	SCFM	Brass Part #
1/2"	<b>30</b>	73	<b>SV30HD<sup>1</sup></b>
	<b>100</b>	208	<b>SV100HD</b>
	<b>125</b>	254	<b>SV125HD</b>
	<b>150</b>	300	<b>SV150HD</b>
	<b>175</b>	346	<b>SV175HD</b>
	<b>200</b>	391	<b>SV200HD</b>



<sup>1</sup> constructed with soft seat

Series C Check Valves

Valves



brass



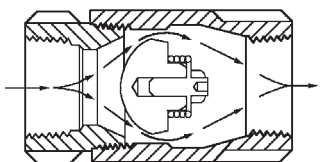
steel

Features:

- provides free flow in one direction and dependable shutoff in the opposite direction
- maximum operating pressure: **2000 PSI** at ambient temperature **70°F (21°C)**
- cracking pressure: **5 PSI**

Female NPT	Free Flow GPM	Maximum Operating PSI at 70°F (21°C)	Brass Part #	Maximum Operating PSI at 70°F (21°C)	Steel Part #
1/8"	3	<b>2000</b>	<b>BCV200</b>	<b>5000</b>	<b>SCV200</b>
1/4"	5	<b>2000</b>	<b>BCV400</b>	<b>5000</b>	<b>SCV400</b>
3/8"	8	<b>2000</b>	<b>BCV600</b>	<b>5000</b>	<b>SCV600</b>
1/2"	15	<b>2000</b>	<b>BCV800</b>	<b>5000</b>	<b>SCV800</b>

Domestic Ball Cone Check Valves



Pressure Ratings

Temperature	Pressure WOG (PSI)
-20°F to 100°F (-29°C to 38°C)	400
200°F (93°C)	200
250°F (121°C)	160
275°F (135°C)	150
300°F (149°C)	140
325°F (163°C)	130
353°F (178°C)	125

Application:

- For use with water, oil or inert gases. Not recommended for use on or near reciprocating pumps or other similar vibration causing machinery.

Features:

- tight shut-off with liquid media
- no radial alignment necessary
- straight through and streamlined for minimum change in velocity
- Reinforced PTFE check is spring loaded for fast seating action.
- pressure rating: **400 PSI** WOG, cold non-shock; **125 PSI** saturated steam
- cracking pressure: **.5 PSI**
- temperature range: **-20°F to 353°F (-29°C to 178°C)**

Ball Cone Check Valve Female NPT x Female NPT



Size	Brass Part #	316 Stainless Steel Part #
1/4"	<b>61-101</b>	<b>62-101</b>
3/8"	<b>61-102</b>	<b>62-102</b>
1/2"	<b>61-103</b>	<b>62-103</b>
3/4"	<b>61-104</b>	<b>62-104</b>
1"	<b>61-105</b>	<b>62-105</b>
1 1/4"	<b>61-106</b>	<b>62-106</b>
1 1/2"	<b>61-107</b>	<b>62-107</b>
2"	<b>61-108</b>	<b>62-108</b>
2 1/2"	<b>61-109</b>	---
3"	<b>61-100</b>	---

Ball Cone Check Valve Male NPT x Female NPT



Size	Brass Part #
1/4"	<b>61-201</b>
3/8"	<b>61-202</b>
1/2"	<b>61-203</b>
3/4"	<b>61-204</b>
1"	<b>61-205</b>
1 1/4"	<b>61-206</b>
1 1/2"	<b>61-207</b>
2"	<b>61-208</b>



## 800 PSI Stainless Steel Check Valves

**Features:**

- soft PTFE seat is spring loaded for fast seating action
- flow profile designed to minimize head loss
- temperature range: **10°F to 450°F (-12°C to 232°C)**
- pressure rating: **800 PSI WOG**; **125 PSI** saturated steam
- cracking pressure: **.5 PSI**
- corrosion resistance, excellent for use on chemicals
- dual guided stem and disc

Female NPT	316 Stainless Steel Part #
1/4"	<b>SSCVIL025</b>
3/8"	<b>SSCVIL038</b>
1/2"	<b>SSCVIL050</b>
3/4"	<b>SSCVIL075</b>
1"	<b>SSCVIL100</b>
1 1/4"	<b>SSCVIL125</b>
1 1/2"	<b>SSCVIL150</b>
2"	<b>SSCVIL200</b>



## Forged Steel Check Valves

**Features:**

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: **1975 PSI**
- maximum temperature: **800°F (427°C)**
- can be used for steam service

Female NPT	Forged Steel Part #
1/2"	<b>FSCV50</b>
3/4"	<b>FSCV75</b>
1"	<b>FSCV100</b>
1 1/4"	<b>FSCV125</b>
1 1/2"	<b>FSCV150</b>
2"	<b>FSCV200</b>

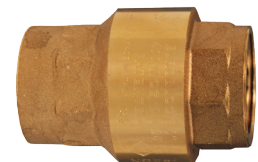


## Spring-Loaded Check Valves

**Features:**

- cracking pressure: 0.50 PSI
- NBR seat
- soft seat for bubble tight shutoff, spring loaded for fast seating action
- flow profile designed to minimize head loss
- pressure rating :1/2" - 2" **400 PSI WOG**; 3" - 4" **175 PSI WOG**
- temperature range: **10°F to 210°F (-10°C to 100°C)**

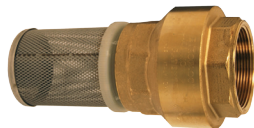
Female NPT	Brass Part #
1/2"	<b>CV050</b>
3/4"	<b>CV075</b>
1"	<b>CV100</b>
1 1/4"	<b>CV125</b>
1 1/2"	<b>CV150</b>
2"	<b>CV200</b>
3"	<b>CV300</b>
4"	<b>CV400</b>



## Strainer with Spring-Loaded Check Valves

**Features:**

- brass with NBR seat and stainless steel strainer
- soft seat for bubble tight shutoff, spring loaded for fast seating action
- flow profile designed to minimize head loss
- temperature range: **10°F to 210°F (-10°C to 100°C)**
- cracking pressure: **0.50 PSI**
- pressure rating: 1½"-2" **400 PSI WOG**, 3"-4" **175 PSI WOG**



Female NPT	Brass Part #
1½"	<b>BVFS20</b>
2"	<b>BVFS25</b>
3"	<b>BVFS35</b>
4"	<b>BVFS40</b>

## Horizontal Swing Check Valves

**Applications:**

- for use in plumbing and liquid piping systems to prevent back flow

**Features:**

- full flow performance with a minimum of turbulence or pressure loss
- brass disc
- for horizontal or vertical use
- A positive seating disc allows flow only in one direction and a screw-in cap provides easy access for periodic cleaning.
- pressure rating: **200 PSI WOG**
- temperature range: **-20° to 150°F (-29°C to 66°C)**



Female NPT	Brass Part #
½"	<b>SWCV50</b>
¾"	<b>SWCV75</b>
1"	<b>SWCV100</b>
1¼"	<b>SWCV125</b>
1½"	<b>SWCV150</b>
2"	<b>SWCV200</b>
3"	<b>SWCV300</b>
4"	<b>SWCV400</b>

## Domestic Swing Check Valves

**Features:**

- Class 150
- ASME B1.20.1
- metal seat
- 100% factory tested
- working pressure: **300 PSI cold, 150 PSI steam**
- temperature range: **-20°F to 406°F (-29°C to 208°C)**



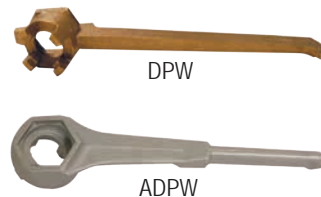
Female NPT	Brass Part #
½"	<b>DSCV50</b>
¾"	<b>DSCV75</b>
1"	<b>DSCV100</b>
1¼"	<b>DSCV125</b>
1½"	<b>DSCV150</b>
2"	<b>DSCV200</b>

Drum Plug Wrenches

Features:

- sparkproof, natural finish is safe around flammables
- offset handle design reduces user stress and minimizes knuckle injury

Bronze Part #	Aluminum Part #
<b>DPW</b>	<b>ADPW</b>



Valves

Drum Faucets  
Polyethylene Drum Faucets

Features:

- Faucets are *not* to be used in applications where temperatures exceed 140°F (60°C).
- no wrench needed for screwing into drum opening
- 2" faucet is shipped with a gasket; the ¾" does not require a gasket

NPT Thread	Gold Polyethylene Part #
¾"	<b>PEDF75</b>
2"	<b>PEDF200</b>

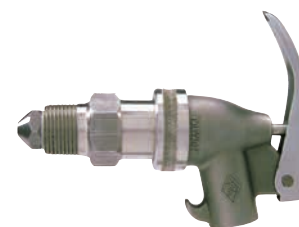


Stainless Heavy Duty Adjustable Drum Faucets

Features:

- ¾" NPT connection
- adjustable shank is designed to easily adjust to proper drain position after installing in drum
- PTFE gasket
- FM approved for use with oils and non-flammables

Stainless Steel Part #
<b>HDSSF75</b>



Brass Heavy Duty Adjustable Drum Faucets

Features:

- ¾" NPT connection
- easy to use, self-closing design
- FM approved for use with oils and non-corrosive flammables

Brass Part #
<b>AHDBF75</b>



Brass Heavy Duty Drum Faucet with Rigid Shanks

Features:

- ¾" NPT connection
- easy to use, self-closing design
- PTFE gasket
- FM approved for use with oils and non-corrosive flammables

Brass Part #
<b>HDBF75</b>



Compression Bibb Faucets

Application:

- for water use only

Features:

- rough brass finish
- nozzle end is GHT

Male NPT Inlet	Brass Part #
½"	<b>35-201-10</b>
¾"	<b>35-202-10</b>



Drum Thread Adapters

Valves



**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"	<b>DMH20DR20</b>

Drum Gate Valves

**Application:**

- ideal for drawing non-flammable liquids from drums and tanks

**Features:**

- iron body
- manually operated
- machined and lapped brass faceplate designed for oval discharge, ensures no splashing and a smooth operation
- black Japanned finish
- can be padlocked



Male NPT	Iron Part #
3/4"	<b>D71</b>
2"	<b>D75</b>

**Features:**

- lightweight, durable aluminum body provides improved corrosion resistance for certain fluids
- sturdy 2" handle is stamped metal with black enamel finish
- can be padlocked



Male NPT	Aluminum Part #
2"	<b>D75AL</b>

Self-Closing Gate Valves

**Application:**

- ideal for dispensing viscous liquids such as oil, grease, paint, varnish and syrups from drums and tanks

**Features:**


- gray iron body, brass sliding gate and machine lapped sealing surface
- gate closes automatically when handle is released, cleaning discharge surface
- can be padlocked



Male NPT	Iron Part #
3/4"	<b>D71SC</b>
2"	<b>D75SC</b>

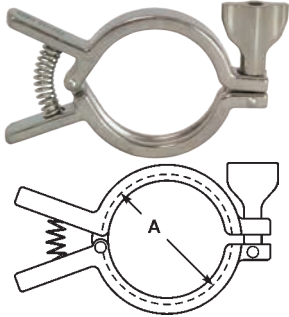
Sanitary Tube Fittings .....	564 to 630	Sanitary Tube Fittings (cont.) ..	564 to 630
Clamps .....	564 to 566	End caps .....	611
Clamp accessories .....	566	Adapters .....	611
Clamp fittings .....	567 to 576	Tees .....	612
Ferrules .....	567 to 568	Reducers .....	613
Caps .....	569	Type A stub ends .....	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	<b>Sanitary Valves .....</b>	<b>631 to 652</b>
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	<b>Actuation: Electric .....</b>	<b>643 to 645</b>
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	<b>Actuation: Pneumatic .....</b>	<b>646 to 652</b>
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 .....	610 to 614	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.

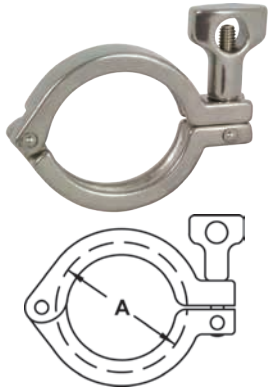
Sanitary Fittings



Single Pin Squeeze - 13MHHM-Q

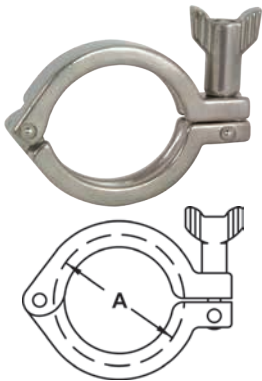
Tube OD	Service Pressure PSI Rating @ 70°F (21°C) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	Stainless Steel Part #
½" - ¾"	1500	1200	1.062"	13MHHM-Q75
1" - 1½"	500	300	2.122"	13MHHM-Q100150
2"	450	250	2.654"	13MHHM-Q200
2½"	400	200	3.185"	13MHHM-Q250
3"	350	175	3.717"	13MHHM-Q300
4"	300	150	4.820"	13MHHM-Q400

Single Pin Heavy Duty - 13MHHM  
with cross hole wing nut



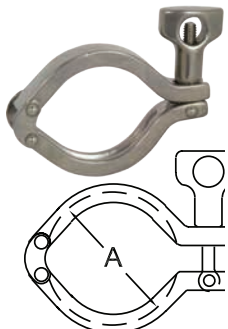
Tube OD	Service Pressure PSI Rating @ 70°F (21°C) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	Stainless Steel Part #
½" - ¾"	1500	1200	1.062"	13MHHM50-75
1" - 1½"	500	300	2.122"	13MHHM100-150
2"	450	250	2.654"	13MHHM200
2½"	400	200	3.185"	13MHHM250
3"	350	175	3.717"	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) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	Stainless Steel Part #
½" - ¾"	1500	1200	1.062"	13MHHM50-75SN
1" - 1½"	500	300	2.122"	13MHHM100-150SN
2"	450	250	2.654"	13MHHM200SN
2½"	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) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	Stainless Steel Part #
1" - 1½"	500	300	2.122"	13MHHM-DP100150
2"	450	250	2.654"	13MHHM-DP200
2½"	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) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	Stainless Steel Part #
1" - 1½"	<b>600</b>	<b>300</b>	2.122"	<b>13MHHM-3P100150</b>
2"	<b>550</b>	<b>275</b>	2.654"	<b>13MHHM-3P200</b>
2½"	<b>450</b>	<b>225</b>	3.185"	<b>13MHHM-3P250</b>
3"	<b>350</b>	<b>175</b>	3.717"	<b>13MHHM-3P300</b>
4"	<b>300</b>	<b>150</b>	4.820"	<b>13MHHM-3P400</b>
12"	<b>75</b>	<b>50</b>	12.740"	<b>13MHHM-3P1200</b>

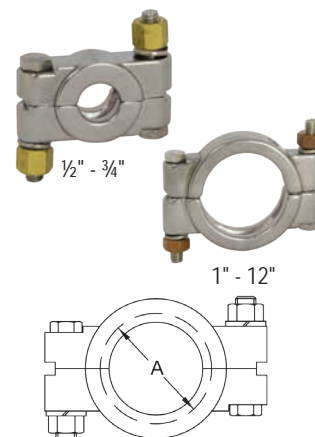
<sup>1</sup> wing nut tightened to 25 in. lb. of torque

Sanitary  
Fittings

## Bolted - 13MHP

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	Stainless Steel Part #
½" - ¾"	<b>1500</b>	<b>1200</b>	1.062"	<b>13MHP75</b>
1" - 1½"	<b>1500</b>	<b>1200</b>	2.046"	<b>13MHP100-150</b>
2"	<b>1000</b>	<b>800</b>	2.578"	<b>13MHP200</b>
2½"	<b>1000</b>	<b>800</b>	3.110"	<b>13MHP250</b>
3"	<b>1000</b>	<b>800</b>	3.640"	<b>13MHP300</b>
4"	<b>800</b>	<b>600</b>	4.744"	<b>13MHP400</b>
6"	<b>300</b>	<b>200</b>	6.632"	<b>13MHP600</b>
8"	<b>250</b>	<b>150</b>	8.638"	<b>13MHP800</b>
10"	<b>200</b>	<b>125</b>	10.740"	<b>13MHP1000</b>
12"	<b>150</b>	<b>100</b>	12.740"	<b>13MHP1200</b>

<sup>1</sup> all nuts are tightened to 20 ft. lbs. of torque



## Toggle - 13MHLA

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	304 Stainless Steel Part #
1" - 1½"	<b>150</b>	<b>125</b>	2.122"	<b>13MHLA100-150</b>
2"	<b>150</b>	<b>125</b>	2.654"	<b>13MHLA200</b>
2½"	<b>150</b>	<b>125</b>	3.185"	<b>13MHLA250</b>
3"	<b>150</b>	<b>125</b>	3.717"	<b>13MHLA300</b>
4"	<b>100</b>	<b>75</b>	4.820"	<b>13MHLA400</b>

<sup>1</sup> screw tightened to maximum



## T-bolt - 13MO

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	304 Stainless Steel Part #
1" - 1½"	<b>500</b>	<b>250</b>	2.080"	<b>13MO100-150</b>
2"	<b>350</b>	<b>200</b>	2.610"	<b>13MO200</b>
2½"	<b>300</b>	<b>150</b>	3.140"	<b>13MO250</b>
3"	<b>200</b>	<b>100</b>	3.670"	<b>13MO300</b>
4"	<b>100</b>	<b>75</b>	4.780"	<b>13MO400</b>
6"	<b>75</b>	<b>50</b>	6.690"	<b>13MO600</b>
8" <sup>2</sup>	<b>50</b>	<b>40</b>	8.690"	<b>13MO800</b>
10" <sup>2</sup>	<b>40</b>	<b>30</b>	10.690"	<b>13MO1000</b>
12" <sup>2</sup>	<b>30</b>	<b>25</b>	12.690"	<b>13MO1200</b>

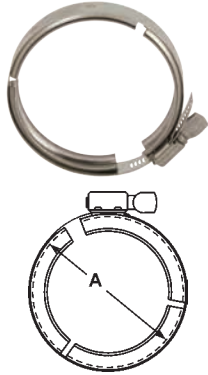
<sup>1</sup> 1" - 3" nuts tightened to 20 in. lb., 4" nut tightened to 30 in. lb., 6" nut tightened to 40 in. lb. and 8" - 12" nuts tightened to 50 in. lb. of torque

<sup>2</sup> 2 bolt configuration



Clamps

Dairy - 13WGC

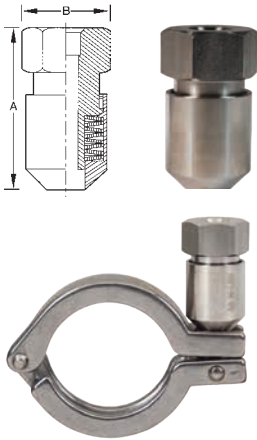


Tube OD	Service Pressure PSI Rating @ 70°F (21°C) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	304 Stainless Steel Part #
1" - 1½"	100	75	2.08"	13WGC100-150
2"	100	75	2.61"	13WGC200
2½"	100	75	3.14"	13WGC250
3"	100	75	3.67"	13WGC300
4"	100	75	4.78"	13WGC400

<sup>1</sup> finger tight

Accessories

Spring Loaded Nut - 13SLN



Features:

- Lines using PTFE gaskets that are subject to large temperature swings can benefit from this special product. As the PTFE is compressed through the cycling of the lines, the spring loaded will help keep the connection from leaking.
- If the lines suffer from vibration and bolted clamps are not an option, refitting single pin clamps with this nut will keep the connections from leaking for a longer time than the standard wing nuts.
- If you transport material in tanks via truck, the vibrations can loosen the standard single pin clamps - spring loaded nuts can add a level of insurance to the shipment.
- note: can be used on all wing nut style clamps.
- torque to 50 in. lb.

Thread	Dimension A	Dimension B	304 Stainless Steel Part #
5/16" - 18	1.73"	.875"	13SLN

Nuts and Bolts



Description	Part Number
cross hole wing nut 5/16"-18	13WNX
mini cross hole wing nut 5/16"-18 for ½" - ¾" clamps	13WNXM
serrated wing nut 5/16"-18	13WNS
hex wing nut 5/16"-18	13WNH
bronze hex nut ¾"-16 for bolted clamps	13BN
brass 3/8-16 nuts used on ½" - ¾" and 10" & 12" bolted clamps	13BNH
stainless steel hex nut for bolted clamps	13SN
¾" 304 stainless steel lock washer	13LW
bolt ¾"-16 x 2¼" for ½" - 1½" bolted clamps	13CB-2.25
bolt ¾"-16 x 2¾" for 2" and 2½" bolted clamps	13CB-2.75
bolt ¾"-16 x 3¼" for 3" - 12" bolted clamps	13CB-3.25
rivet pin for ½" - 5" single pin clamps 5/16" x 1"	13RP
rivet pin for 6" and 8" single pin clamps 5/16" x 1½"	13RP6
5/16"-18 x 2" threaded eye bolt for ½" - 5" clamps	13IB
5/16"-18 x 2½" threaded eye bolt for 6" - 12" clamps	13IB6



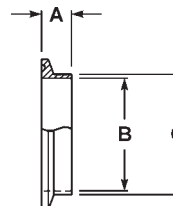


### Clamp Fittings - Ferrules

#### Short Weld - 14WMP



Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
½"	.500"	.370"	.500"	<b>14WMP-G50</b>	<b>14WMP-R50</b>
¾"	.500"	.620"	.750"	<b>14WMP-G75</b>	<b>14WMP-R75</b>
1"	.500"	.870"	1.000"	<b>14WMP-G100</b>	<b>14WMP-R100</b>
1½"	.500"	1.370"	1.500"	<b>14WMP-G150</b>	<b>14WMP-R150</b>
2"	.500"	1.870"	2.000"	<b>14WMP-G200</b>	<b>14WMP-R200</b>
2½"	.500"	2.370"	2.500"	<b>14WMP-G250</b>	<b>14WMP-R250</b>
3"	.500"	2.870"	3.000"	<b>14WMP-G300</b>	<b>14WMP-R300</b>
4"	.625"	3.834"	4.000"	<b>14WMP-G400</b>	<b>14WMP-R400</b>
5"	.750"	4.782"	5.000"	<b>14WMP-G500</b>	<b>14WMP-R500</b>
6"	.875"	5.782"	6.000"	<b>14WMP-G600</b>	<b>14WMP-R600</b>
8"	.875"	7.782"	8.000"	<b>14WMP-G800</b>	<b>14WMP-R800</b>
10"	.875"	9.760"	10.000"	<b>14WMP-G1000</b>	<b>14WMP-R1000</b>
12"	.875"	11.760"	12.000"	<b>14WMP-G1200</b>	<b>14WMP-R1200</b>

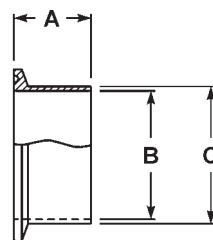


Sanitary Fittings

#### Long Weld - L14AM7



Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
½"	1.125"	.370"	.500"	<b>L14AM7-G50</b>	<b>L14AM7-R50</b>
¾"	1.125"	.620"	.750"	<b>L14AM7-G75</b>	<b>L14AM7-R75</b>
1"	1.125"	.870"	1.000"	<b>L14AM7-G100</b>	<b>L14AM7-R100</b>
1½"	1.125"	1.370"	1.500"	<b>L14AM7-G150</b>	<b>L14AM7-R150</b>
2"	1.125"	1.870"	2.000"	<b>L14AM7-G200</b>	<b>L14AM7-R200</b>
2½"	1.125"	2.370"	2.500"	<b>L14AM7-G250</b>	<b>L14AM7-R250</b>
3"	1.125"	2.870"	3.000"	<b>L14AM7-G300</b>	<b>L14AM7-R300</b>
4"	1.125"	3.834"	4.000"	<b>L14AM7-G400</b>	<b>L14AM7-R400</b>
5"	1.125"	4.782"	5.000"	<b>L14AM7-G500</b>	<b>L14AM7-R500</b>
6"	1.500"	5.782"	6.000"	<b>L14AM7-G600</b>	<b>L14AM7-R600</b>
8"	1.500"	7.782"	8.000"	<b>L14AM7-G800</b>	<b>L14AM7-R800</b>
10"	1.750"	9.760"	10.000"	<b>L14AM7-G1000</b>	<b>L14AM7-R1000</b>
12"	1.750"	11.760"	12.000"	<b>L14AM7-G1200</b>	<b>L14AM7-R1200</b>



**NEW**

**NEW**

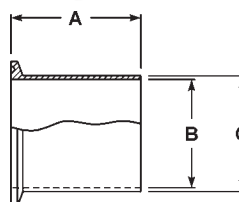
#### Automatic Weld - TL14AM7

**Specification:**

- meets ASME BPE-2012 specifications



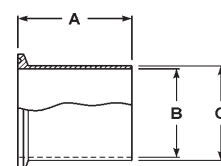
Tube OD	Dimensions			316L Stainless Steel Part #
	A	B	C	
½"	1.750"	.370"	.500"	<b>TL14AM7-050PL</b>
¾"	1.750"	.620"	.750"	<b>TL14AM7-075PL</b>
1"	1.750"	.870"	1.000"	<b>TL14AM7-100PL</b>
1½"	1.750"	1.370"	1.500"	<b>TL14AM7-150PL</b>
2"	2.250"	1.870"	2.000"	<b>TL14AM7-200PL</b>
3"	2.250"	2.870"	3.000"	<b>TL14AM7-300PL</b>
4"	2.250"	3.834"	4.000"	<b>TL14AM7-400PL</b>



#### Tank (light duty) - 14WLMP

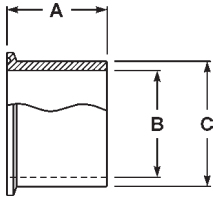


Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
1"	3.000"	.870"	1.000"	<b>14WLMP-G100</b>	<b>14WLMP-R100</b>
1½"	3.000"	1.370"	1.500"	<b>14WLMP-G150</b>	<b>14WLMP-R150</b>
2"	3.000"	1.870"	2.000"	<b>14WLMP-G200</b>	<b>14WLMP-R200</b>
2½"	3.000"	2.370"	2.500"	<b>14WLMP-G250</b>	<b>14WLMP-R250</b>
3"	4.000"	2.870"	3.000"	<b>14WLMP-G300</b>	<b>14WLMP-R300</b>
4"	4.000"	3.834"	4.000"	<b>14WLMP-G400</b>	<b>14WLMP-R400</b>
6"	6.000"	5.782"	6.000"	<b>14WLMP-G600</b>	<b>14WLMP-R600</b>



Clamp Fittings - Ferrules

Sanitary Fittings

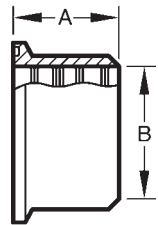


Tank (heavy duty) - 14MPW

Specification:

- certified ASME materials

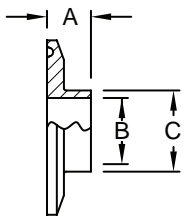
Tube OD	Dimensions			316L Stainless Steel Part #
	A	B	C	
½"	1.625"	.321"	.502"	<b>14MPW-R50</b>
¾"	1.625"	.574"	.750"	<b>14MPW-R75</b>
1"	1.625"	.870"	1.160"	<b>14MPW-R100</b>
1½"	1.625"	1.370"	1.676"	<b>14MPW-R150</b>
2"	1.750"	1.870"	2.192"	<b>14MPW-R200</b>
2½"	1.750"	2.370"	2.708"	<b>14MPW-R250</b>
3"	1.813"	2.870"	3.224"	<b>14MPW-R300</b>
4"	2.125"	3.834"	4.256"	<b>14MPW-R400</b>
6"	2.500"	5.758"	6.192"	<b>14MPW-R600</b>



Roll-on for Expanding - 14RMP

Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
1"	.750"	1.005"	<b>14RMP-G100</b>	<b>14RMP-R100</b>
1½"	1.125"	1.505"	<b>14RMP-G150</b>	<b>14RMP-R150</b>
2"	1.312"	2.005"	<b>14RMP-G200</b>	<b>14RMP-R200</b>
2½"	1.375"	2.505"	<b>14RMP-G250</b>	<b>14RMP-R250</b>
3"	1.437"	3.005"	<b>14RMP-G300</b>	<b>14RMP-R300</b>
4"	1.500"	4.005"	<b>14RMP-G400</b>	<b>14RMP-R400</b>

<sup>1</sup> Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.



Reducing - B31WMP

Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
2" x 1"	.500"	.870"	1.000"	<b>B31WMP-G200100</b>	<b>B31WMP-R200100</b>
2½" x 1½"	.500"	1.370"	1.500"	<b>B31WMP-G250150</b>	<b>B31WMP-R250150</b>
2½" x 2"	.500"	1.870"	2.000"	<b>B31WMP-G250200</b>	<b>B31WMP-R250200</b>
3" x 2"	.500"	1.870"	2.000"	<b>B31WMP-G300200</b>	<b>B31WMP-R300200</b>
4" x 3"	.625"	2.870"	3.000"	<b>B31WMP-G400300</b>	<b>B31WMP-R400300</b>

## Clamp Fittings - Caps

## Solid End - 16AMP



- Specify if you are using a piping system or a tubing system when ordering.

Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
½" - ¾"	.187"	.992"	<b>16AMP-G50-75</b>	<b>16AMP-R50-75</b>
1" - 1½"	.250"	1.984"	<b>16AMP-G100-150</b>	<b>16AMP-R100-150</b>
2"	.250"	2.516"	<b>16AMP-G200</b>	<b>16AMP-R200</b>
2½"	.250"	3.047"	<b>16AMP-G250</b>	<b>16AMP-R250</b>
3"	.250"	3.579"	<b>16AMP-G300</b>	<b>16AMP-R300</b>
4"	.312"	4.682"	<b>16AMP-G400</b>	<b>16AMP-R400</b>
5"	.376"	5.687"	<b>16AMP-G500</b>	<b>16AMP-R500</b>
6"	.437"	6.570"	<b>16AMP-G600</b>	<b>16AMP-R600</b>
8"	.437"	8.570"	<b>16AMP-G800</b>	<b>16AMP-R800</b>
10"	.437"	10.570"	<b>16AMP-G1000</b>	<b>16AMP-R1000</b>
12"	.437"	12.750"	<b>16AMP-G1200</b>	<b>16AMP-R1200</b>

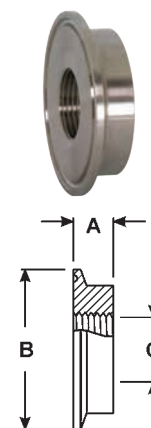


Sanitary Fittings

## Thermometer - B23BMP

Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C <sup>1</sup>		
½"	.500"	.992"	¼" NPT	---	<b>B23BMP-R5014</b>
¾"	.500"	.992"	¼" NPT	---	<b>B23BMP-R7514</b>
1"	.625"	1.984"	½" NPT	<b>B23BMP-G100</b>	<b>B23BMP-R100</b>
1½"	.625"	1.984"	¾" NPT	<b>B23BMP-G150</b>	<b>B23BMP-R150</b>
2"	.625"	2.516"	¾" NPT	<b>B23BMP-G200</b>	<b>B23BMP-R200</b>
2½"	.625"	3.047"	¾" NPT	<b>B23BMP-G250</b>	<b>B23BMP-R250</b>
3"	.625"	3.579"	¾" NPT	<b>B23BMP-G300</b>	<b>B23BMP-R300</b>
4"	.625"	4.682"	¾" NPT	<b>B23BMP-G400</b>	<b>B23BMP-R400</b>

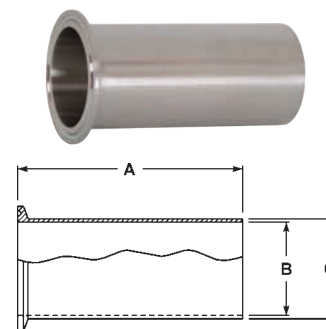
<sup>1</sup> other NPT tap sizes available, contact Dixon®



## Clamp Fittings - Adapters

## Tygon® Hose - 14MPHT

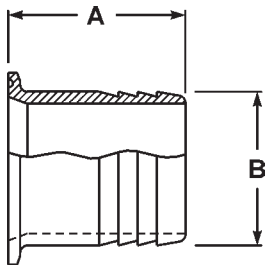
Tube OD	Dimensions			316L Stainless Steel Part #
	A	B	C	
¾"	4.000"	.620"	.750"	<b>14MPHT-R75</b>
1"	4.500"	.870"	1.000"	<b>14MPHT-R100</b>
1½"	4.500"	1.370"	1.500"	<b>14MPHT-R150</b>
2"	4.500"	1.870"	2.000"	<b>14MPHT-R200</b>
2½"	4.500"	2.370"	2.500"	<b>14MPHT-R250</b>
3"	4.500"	2.870"	3.000"	<b>14MPHT-R300</b>
4"	4.625"	3.834"	4.000"	<b>14MPHT-R400</b>



Clamp Fittings - Adapters

Rubber Hose - 14MPHR

Sanitary Fittings

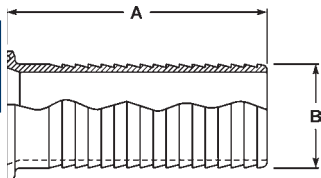


Tube OD	Hose Size	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
		A	B		
1/2"	1/4"	1.500"	.290"	---	14MPHR-R5025
	1/2"	1.500"	.540"	---	14MPHR-R50
	3/4"	1.500"	.790"	---	14MPHR-R5075
3/4"	1/4"	1.500"	.290"	---	14MPHR-R7525
	3/8"	1.500"	.415"	---	14MPHR-R75375
	1/2"	1.500"	.540"	---	14MPHR-R7550
1"	3/4"	1.500"	.790"	---	14MPHR-R75
	1"	1.688"	1.040"	14MPHR-G10075 14MPHR-G100	14MPHR-R100375 14MPHR-R10050 14MPHR-R10075 14MPHR-R100
	1 1/2"	1.687"	1.540"	14MPHR-G15050	14MPHR-R15050
1 1/2"	1/2"	1.500"	.540"	---	14MPHR-R150625
	5/8"	1.500"	.665"	---	14MPHR-R15075
	3/4"	1.500"	.790"	14MPHR-G15075	14MPHR-R150100
	1"	1.687"	1.040"	14MPHR-G150100	14MPHR-R150
2"	1 1/2"	2.312"	1.540"	14MPHR-G150	14MPHR-R200150
	2"	2.312"	2.040"	14MPHR-G200150 14MPHR-G200	14MPHR-R200
2 1/2"	2 1/2"	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



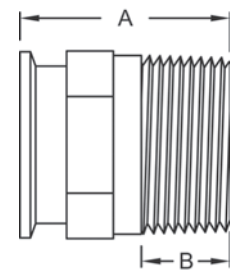
Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	3.500"	1.045"	14MPHRL100
1 1/2"	5.000"	1.545"	14MPHRL150
2"	5.000"	2.045"	14MPHRL200
2 1/2"	5.500"	2.545"	14MPHRL250
3"	5.500"	3.045"	14MPHRL300
4"	5.500"	4.045"	14MPHRL400

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. 

## Clamp Fittings - Adapters

## Male NPT - 21MP

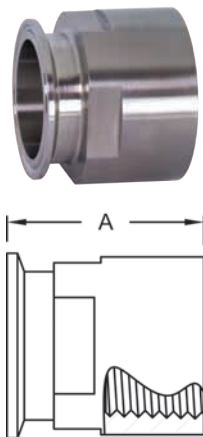
Tube OD	NPT Size	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
		A	B		
½"	¼"	2.000"	.595"	---	<b>21MP-R5025</b>
	⅜"	2.000"	.600"	---	<b>21MP-R50375</b>
	½"	1.625"	.782"	---	<b>21MP-R50</b>
	¾"	2.000"	.794"	---	<b>21MP-R5075</b>
¾"	¼"	2.000"	.595"	---	<b>21MP-R7525</b>
	⅜"	2.000"	.600"	---	<b>21MP-R75375</b>
	½"	2.000"	.782"	---	<b>21MP-R7550</b>
	¾"	1.787"	.794"	---	<b>21MP-R75</b>
1"	½"	2.187"	.782"	<b>21MP-G10050</b>	<b>21MP-R10050</b>
	¾"	2.187"	.794"	<b>21MP-G10075</b>	<b>21MP-R10075</b>
	1"	2.250"	.985"	<b>21MP-G100</b>	<b>21MP-R100</b>
	1¼"	2.438"	1.009"	<b>21MP-G100125</b>	<b>21MP-R100125</b>
	1½"	2.438"	1.025"	<b>21MP-G100150</b>	<b>21MP-R100150</b>
	2"	2.625"	1.058"	<b>21MP-G100200</b>	<b>21MP-R100200</b>
1½"	⅜"	2.161"	.600"	<b>21MP-G150375</b>	<b>21MP-R150375</b>
	½"	2.187"	.782"	<b>21MP-G15050</b>	<b>21MP-R15050</b>
	¾"	2.187"	.794"	<b>21MP-G15075</b>	<b>21MP-R15075</b>
	1"	2.437"	.985"	<b>21MP-G150100</b>	<b>21MP-R150100</b>
	1¼"	2.438"	1.009"	<b>21MP-G150125</b>	<b>21MP-R150125</b>
	1½"	2.250"	1.025"	<b>21MP-G150</b>	<b>21MP-R150</b>
	2"	2.625"	1.058"	<b>21MP-G150200</b>	<b>21MP-R150200</b>
	2"	2.625"	1.058"	<b>21MP-G150200</b>	<b>21MP-R150200</b>
2"	½"	2.188"	.782"	<b>21MP-G20050</b>	<b>21MP-R20050</b>
	¾"	2.188"	.794"	<b>21MP-G20075</b>	<b>21MP-R20075</b>
	1"	2.469"	.985"	<b>21MP-G200100</b>	<b>21MP-R200100</b>
	1½"	2.625"	1.009"	<b>21MP-G200150</b>	<b>21MP-R200150</b>
	2"	2.638"	1.058"	<b>21MP-G200</b>	<b>21MP-R200</b>
2½"	½"	2.781"	.782"	<b>21MP-G25050</b>	---
	1"	2.781"	.782"	<b>21MP-G250100</b>	<b>21MP-R250100</b>
	1½"	2.781"	1.025"	<b>21MP-G250150</b>	<b>21MP-R250150</b>
	2"	2.781"	1.058"	<b>21MP-G250200</b>	<b>21MP-R250200</b>
	2½"	2.875"	1.571"	<b>21MP-G250</b>	<b>21MP-R250</b>
3"	1½"	3.000"	1.009"	<b>21MP-G300150</b>	<b>21MP-R300150</b>
	2"	3.000"	1.058"	<b>21MP-G300200</b>	<b>21MP-R300200</b>
	3"	3.070"	1.634"	<b>21MP-G300</b>	<b>21MP-R300</b>
4"	4"	3.155"	1.734"	<b>21MP-G400</b>	<b>21MP-R400</b>



Clamp Fittings - Adapters

Female NPT - 22MP

Sanitary Fittings



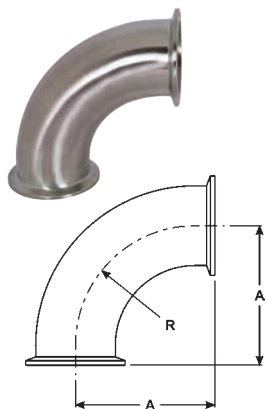
Tube OD	NPT Size	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1/4"	1.500"	---	<b>22MP-R5025</b>
	3/8"	1.500"	---	<b>22MP-R50375</b>
	1/2"	1.500"	---	<b>22MP-R50</b>
	3/4"	1.625"	---	<b>22MP-R5075</b>
3/4"	1/4"	1.500"	---	<b>22MP-R7525</b>
	1/2"	1.500"	---	<b>22MP-R7550</b>
	3/4"	1.625"	---	<b>22MP-R75</b>
1"	1/4"	1.625"	---	<b>22MP-R10025</b>
	1/2"	1.625"	<b>22MP-G10050</b>	<b>22MP-R10050</b>
	3/4"	1.625"	<b>22MP-G10075</b>	<b>22MP-R10075</b>
	1"	1.625"	<b>22MP-G100</b>	<b>22MP-R100</b>
	1 1/4"	1.625"	---	<b>22MP-R100125</b>
1 1/2"	1/2"	1.625"	<b>22MP-G15050</b>	<b>22MP-R15050</b>
	3/4"	1.625"	<b>22MP-G15075</b>	<b>22MP-R15075</b>
	1"	1.625"	<b>22MP-G150100</b>	<b>22MP-R150100</b>
	1 1/2"	2.250"	<b>22MP-G150</b>	<b>22MP-R150</b>
	2"	2.250"	<b>22MP-G150200</b>	<b>22MP-R150200</b>
2"	1"	1.687"	<b>22MP-G200100</b>	<b>22MP-R200100</b>
	1 1/2"	1.656"	<b>22MP-G200150</b>	<b>22MP-R200150</b>
	2"	2.344"	<b>22MP-G200</b>	<b>22MP-R200</b>
	2 1/2"	2.406"	<b>22MP-G200250</b>	---
2 1/2"	2"	1.720"	<b>22MP-G250200</b>	<b>22MP-R250200</b>
	2 1/2"	2.097"	<b>22MP-G250</b>	<b>22MP-R250</b>
3"	2"	2.187"	<b>22MP-G300200</b>	<b>22MP-R300200</b>
	2 1/2"	2.187"	<b>22MP-G300250</b>	---
	3"	2.187"	<b>22MP-G300</b>	<b>22MP-R300</b>
4"	4"	3.000"	<b>22MP-G400</b>	<b>22MP-R400</b>

Visit [dixonvalve.com](http://dixonvalve.com) for pipe thread data



Clamp Fittings - Elbows

90° - B2CMP



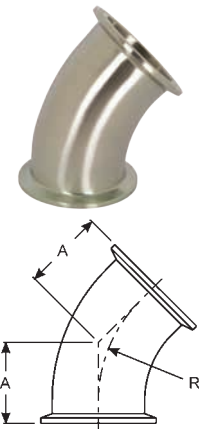
Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	R		
1/2"	1.625"	1.125"	---	<b>B2CMP-R50</b>
3/4"	1.625"	1.125"	---	<b>B2CMP-R75</b>
1"	2.000"	1.500"	<b>B2CMP-G100</b>	<b>B2CMP-R100</b>
1 1/2"	2.750"	2.250"	<b>B2CMP-G150</b>	<b>B2CMP-R150</b>
2"	3.500"	3.000"	<b>B2CMP-G200</b>	<b>B2CMP-R200</b>
2 1/2"	4.250"	3.750"	<b>B2CMP-G250</b>	<b>B2CMP-R250</b>
3"	5.000"	4.500"	<b>B2CMP-G300</b>	<b>B2CMP-R300</b>
4"	6.625"	6.000"	<b>B2CMP-G400</b>	<b>B2CMP-R400</b>
6"	9.875"	9.000"	<b>B2CMP-G600</b>	<b>B2CMP-R600</b>

Clamp Fittings - Elbows



45° - B2KMP

Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	R		
1/2"	.97"	1.125"	---	<b>B2KMP-R50</b>
3/4"	.97"	1.125"	---	<b>B2KMP-R75</b>
1"	1.12"	1.500"	<b>B2KMP-G100</b>	<b>B2KMP-R100</b>
1 1/2"	1.43"	2.250"	<b>B2KMP-G150</b>	<b>B2KMP-R150</b>
2"	1.74"	3.000"	<b>B2KMP-G200</b>	<b>B2KMP-R200</b>
2 1/2"	2.05"	3.750"	<b>B2KMP-G250</b>	<b>B2KMP-R250</b>
3"	2.36"	4.500"	<b>B2KMP-G300</b>	<b>B2KMP-R300</b>
4"	3.11"	6.000"	<b>B2KMP-G400</b>	<b>B2KMP-R400</b>
6"	4.60"	9.000"	<b>B2KMP-G600</b>	<b>B2KMP-R600</b>



Sanitary Fittings

90° x Plain Bevel Seat with Hex Nut - B2FMP-14



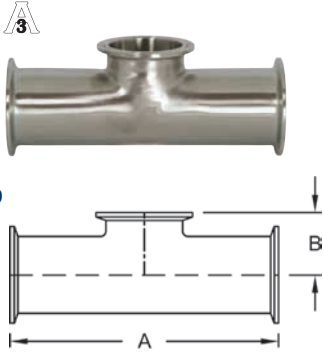
Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
2"	3.750"	3.500"	<b>B2FMP-14-G200</b>
2 1/2"	4.625"	4.250"	<b>B2FMP-14-G250</b>
3"	5.406"	5.000"	<b>B2FMP-14-G300</b>



Clamp Fittings - Tees

Short Outlet - B7MPS

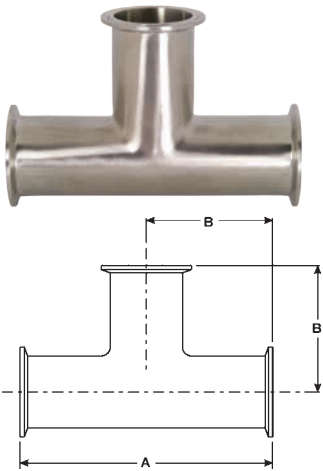
Sanitary Fittings



Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1½"	5.500"	1.375"	<b>B7MPS-G150</b>	<b>B7MPS-R150</b>
2"	7.000"	1.625"	<b>B7MPS-G200</b>	<b>B7MPS-R200</b>
2½"	7.000"	1.875"	<b>B7MPS-G250</b>	<b>B7MPS-R250</b>



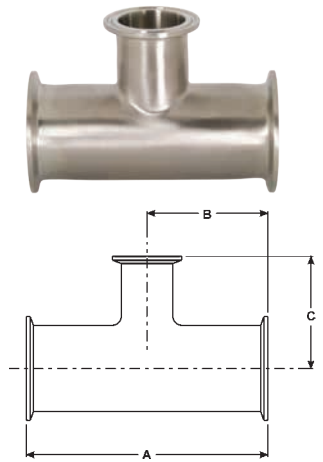
Clamp Tees - B7MP



Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
½"	4.750"	2.375"	---	<b>B7MP-R50</b>
¾"	5.000"	2.500"	---	<b>B7MP-R75</b>
1"	4.750"	2.375"	<b>B7MP-G100</b>	<b>B7MP-R100</b>
1½"	5.500"	2.750"	<b>B7MP-G150</b>	<b>B7MP-R150</b>
2"	7.000"	3.500"	<b>B7MP-G200</b>	<b>B7MP-R200</b>
2½"	7.000"	3.500"	<b>B7MP-G250</b>	<b>B7MP-R250</b>
3"	7.500"	3.750"	<b>B7MP-G300</b>	<b>B7MP-R300</b>
4"	9.000"	4.500"	<b>B7MP-G400</b>	<b>B7MP-R400</b>
6"	13.000"	6.500"	<b>B7MP-G600</b>	<b>B7MP-R600</b>
8"	15.750"	7.875"	<b>B7MP-G800</b>	<b>B7MP-R800</b>



Reducing - B7RMP



Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
1" x ¾"	5.250"	2.625"	2.625"	---	<b>B7RMP-R10075</b>
1½" x ½"	5.750"	2.875"	2.875"	---	<b>B7RMP-R15050</b>
1½" x 1"	4.312"	2.156"	1.875"	---	<b>B7RMP-R150100</b>
2" x ½"	6.750"	3.375"	3.125"	---	<b>B7RMP-R20050</b>
2" x ¾"	6.750"	3.375"	3.125"	---	<b>B7RMP-R20075</b>
2" x 1"	5.125"	2.562"	2.125"	<b>B7RMP-G200100</b>	<b>B7RMP-R200100</b>
2" x 1½"	5.125"	2.562"	2.406"	<b>B7RMP-G200150</b>	<b>B7RMP-R200150</b>
2½" x 1½"	5.688"	2.844"	2.656"	<b>B7RMP-G250150</b>	<b>B7RMP-R250150</b>
2½" x 2"	5.688"	2.844"	2.812"	<b>B7RMP-G250200</b>	<b>B7RMP-R250200</b>
3" x 1½"	6.188"	3.093"	2.906"	<b>B7RMP-G300150</b>	<b>B7RMP-R300150</b>
3" x 2"	6.188"	3.093"	3.063"	<b>B7RMP-G300200</b>	<b>B7RMP-R300200</b>
4" x 1½"	8.125"	4.063"	3.406"	<b>B7RMP-G400150</b>	---
4" x 2"	8.125"	4.063"	3.563"	<b>B7RMP-G400200</b>	---



Clamp Fittings - Reducers

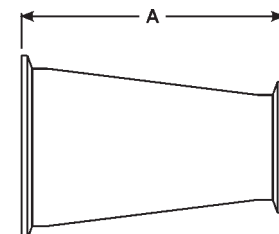


Concentric - B3114MP

Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1" x 1/2"	3.000"	---	<b>B3114MP-R10050</b>
1" x 3/4"	2.000"	---	<b>B3114MP-R10075</b>
1 1/2" x 1/2"	5.000"	---	<b>B3114MP-R15050</b>
1 1/2" x 3/4"	4.000"	---	<b>B3114MP-R15075</b>
1 1/2" x 1"	3.000"	<b>B3114MP-G150100</b>	<b>B3114MP-R150100</b>
2" x 3/4"	6.000"	---	<b>B3114MP-R20075</b>
2" x 1"	5.000"	<b>B3114MP-G200100</b>	<b>B3114MP-R200100</b>
2" x 1 1/2"	3.000"	<b>B3114MP-G200150</b>	<b>B3114MP-R200150</b>
2 1/2" x 1 1/2"	5.000"	<b>B3114MP-G250150</b>	<b>B3114MP-R250150</b>
2 1/2" x 2"	3.000"	<b>B3114MP-G250200</b>	<b>B3114MP-R250200</b>
3" x 1 1/2"	7.000"	<b>B3114MP-G300150</b>	<b>B3114MP-R300150</b>
3" x 2"	5.000"	<b>B3114MP-G300200</b>	<b>B3114MP-R300200</b>
3" x 2 1/2"	3.000"	<b>B3114MP-G300250</b>	<b>B3114MP-R300250</b>
4" x 1 1/2"	11.125"	<b>B3114MP-G400150</b>	<b>B3114MP-R400150</b>
4" x 2"	9.125"	<b>B3114MP-G400200</b>	<b>B3114MP-R400200</b>
4" x 2 1/2"	7.125"	<b>B3114MP-G400250</b>	<b>B3114MP-R400250</b>
4" x 3"	5.125"	<b>B3114MP-G400300</b>	<b>B3114MP-R400300</b>
6" x 4"	7.000"	<b>B3114MP-G600400</b>	---

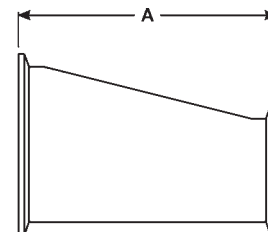


Sanitary Fittings



Eccentric - B3214MP

Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1 1/2" x 1"	3.000"	<b>B3214MP-G150100</b>	<b>B3214MP-R150100</b>
2" x 1"	5.000"	<b>B3214MP-G200100</b>	<b>B3214MP-R200100</b>
2" x 1 1/2"	3.000"	<b>B3214MP-G200150</b>	<b>B3214MP-R200150</b>
2 1/2" x 1 1/2"	5.000"	<b>B3214MP-G250150</b>	<b>B3214MP-R250150</b>
2 1/2" x 2"	3.000"	<b>B3214MP-G250200</b>	<b>B3214MP-R250200</b>
3" x 1 1/2"	7.000"	<b>B3214MP-G300150</b>	<b>B3214MP-R300150</b>
3" x 2"	5.000"	<b>B3214MP-G300200</b>	<b>B3214MP-R300200</b>
3" x 2 1/2"	3.000"	<b>B3214MP-G300250</b>	<b>B3214MP-R300250</b>
4" x 2"	9.125"	<b>B3214MP-G400200</b>	<b>B3214MP-R400200</b>
4" x 2 1/2"	7.125"	<b>B3214MP-G400250</b>	<b>B3214MP-R400250</b>
4" x 3"	5.125"	<b>B3214MP-G400300</b>	<b>B3214MP-R400300</b>
6" x 3"	6.875"	<b>B3214MP-G600300</b>	---
6" x 4"	7.000"	<b>B3214MP-G600400</b>	---

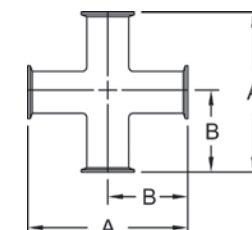


Clamp Crosses



Clamp Crosses - B9MP

Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
1"	4.750"	2.375"	<b>B9MP-G100</b>	<b>B9MP-R100</b>
1 1/2"	5.500"	2.750"	<b>B9MP-G150</b>	<b>B9MP-R150</b>
2"	7.000"	3.500"	<b>B9MP-G200</b>	<b>B9MP-R200</b>
3"	7.500"	3.750"	<b>B9MP-G300</b>	<b>B9MP-R300</b>
4"	9.000"	4.500"	<b>B9MP-G400</b>	<b>B9MP-R400</b>

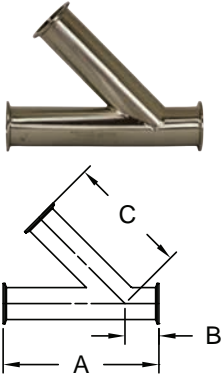


Miscellaneous Clamp Configurations

Sanitary Fittings



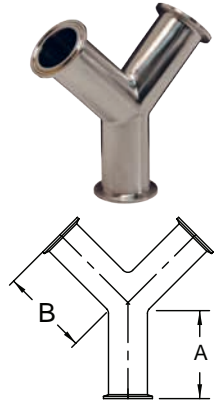
Laterals - B28AMP



Tube OD	Dimensions			316L Stainless Steel Part #
	A	B	C	
1"	7.000"	1.500"	5.500"	<b>B28AMP-R100</b>
1½"	8.375"	1.688"	6.688"	<b>B28AMP-R150</b>
2"	9.750"	2.125"	7.625"	<b>B28AMP-R200</b>
3"	11.750"	2.375"	9.375"	<b>B28AMP-R300</b>
4"	14.062"	2.640"	11.312"	<b>B28AMP-R400</b>



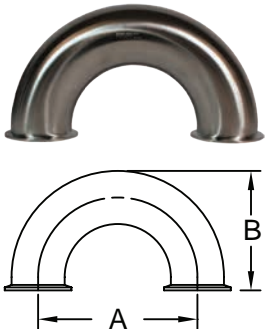
True Wyes - B28BMP



Tube OD	Dimensions		316L Stainless Steel Part #
	A	B	
1"	2.500"	2.938"	<b>B28BMP-R100</b>
1½"	2.500"	2.938"	<b>B28BMP-R150</b>
2"	3.125"	3.750"	<b>B28BMP-R200</b>
3"	4.500"	5.375"	<b>B28BMP-R300</b>
4"	6.000"	6.000"	<b>B28BMP-R400</b>



180° Return Bends - B2WUMP



Feature:

- bends are the standard 1.5 x tube diameter

Tube OD	Dimensions		316L Stainless Steel Part #
	A	B	
1"	3.000"	2.500"	<b>B2WUMP-R100</b>
1½"	4.500"	3.500"	<b>B2WUMP-R150</b>
2"	6.000"	4.500"	<b>B2WUMP-R200</b>
3"	9.000"	6.500"	<b>B2WUMP-R300</b>
4"	12.000"	8.625"	<b>B2WUMP-R400</b>

Clamp End Protection Covers - BCC

Feature:

- Use these covers to protect all clamp ends on fittings, valves, filters and pumps.



Size	Vinyl Plastic Part #
½"	<b>BCC-050</b>
¾"	<b>BCC-075</b>
1"	<b>BCC-100</b>
1½"	<b>BCC-150</b>
2"	<b>BCC-200</b>
2½"	<b>BCC-250</b>
3"	<b>BCC-300</b>
4"	<b>BCC-400</b>
6"	<b>BCC-600</b>
8"	<b>BCC-800</b>



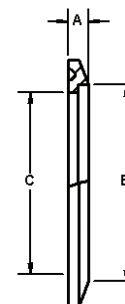
Quick Weld Ferrules

**Features:**

- 304 stainless construction
- just slip onto sanitary OD tube and weld
- no need to butt weld



Tube OD	Dimensions			304 Stainless Steel Part #
	A	B	C	
1"	.290"	1.005"	.870"	<b>14QMP-G100</b>
1½"	.199"	1.505"	1.370"	<b>14QMP-G150</b>
2"	.205"	2.005"	1.870"	<b>14QMP-G200</b>
2½"	.210"	2.505"	2.370"	<b>14QMP-G250</b>
3"	.216"	3.005"	2.870"	<b>14QMP-G300</b>
4"	.235"	4.005"	3.834"	<b>14QMP-G400</b>
6"	.321"	6.005"	5.782"	<b>14QMP-G600</b>



Sanitary Fittings

Breakaway Coupling - Clamp

**Application:**

- minimizes spillage and damage associated with pull away and drive away incidents

**Materials:**

- 316 stainless steel polished to standard <math>32R\_a</math>, 3A finish
- clamp gasket: EPDM standard, optional material available

**Features:**

- designed to be installed between a fixed point and a hose
- 13kN break load bolts standard, other break loads available
- coupling breaks away with an excessive load
- other sizes/connection available



**Specification:**


- working pressure: **350 PSI @ 70°F (21°C)**

Size	316 Stainless Steel Part #
2"	<b>SBC-E200CC13</b>
3"	<b>SBC-E300CC13</b>

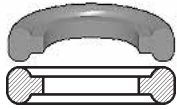


Clamp Gaskets

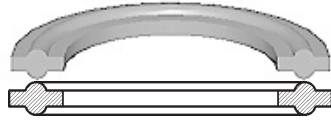
Feature:

- Gasket material approved by  (3A), USDA and complies with FDA's 21CFR177.2600 and 1550. PSI Service Ratings for the sanitary clamps DO NOT APPLY to connections (1" and above) using any PTFE gaskets, due to the potential for cold flow under normal operating conditions. PTFE gaskets, when used with any clamp, are likely to leak at pressures far below the published service ratings. This restriction does not apply to the fractionally sized 1/2" and 3/4" connections, due to their recessed, fully contained design.

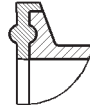
Sanitary Fittings



Mini



Standard - type 1

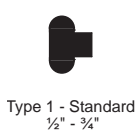


Flanged - type 2

**Buna-N - Black**

Features:

- color code: red dot
- meets 21CFR 177.2600



Type 1 - Standard  
1/2" - 3/4"



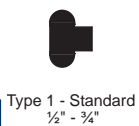
Type 1 - Standard  
1" and larger

Size	Buna-N Part #
1/2"	<b>42MP-U50</b>
3/4"	<b>42MP-U75</b>
1"	<b>40MP-U100</b>
1 1/2"	<b>40MP-U150</b>
2"	<b>40MP-U200</b>
2 1/2"	<b>40MP-U250</b>
3"	<b>40MP-U300</b>
4"	<b>40MP-U400</b>
5"	<b>40MP-U500</b>
6"	<b>40MP-U600</b>
8"	<b>40MP-U800</b>

**Buna-N - White**

Features:

- color code: red dot
- meets 21CFR 177.2600



Type 1 - Standard  
1/2" - 3/4"



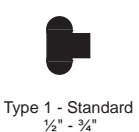
Type 1 - Standard  
1" and larger

Size	Buna-N Part #
1/2"	<b>42MP-UW50</b>
3/4"	<b>42MP-UW75</b>
1"	<b>40MP-UW100</b>
1 1/2"	<b>40MP-UW150</b>
2"	<b>40MP-UW200</b>
2 1/2"	<b>40MP-UW250</b>
3"	<b>40MP-UW300</b>
4"	<b>40MP-UW400</b>
6"	<b>40MP-UW600</b>

**EPDM - Black**

Features:

- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing



Type 1 - Standard  
1/2" - 3/4"



Type 1 - Standard  
1" and larger

Size	EPDM Part #
1/2"	<b>42MP-E50</b>
3/4"	<b>42MP-E75</b>
1"	<b>40MP-E100</b>
1 1/2"	<b>40MP-E150</b>
2"	<b>40MP-E200</b>
2 1/2"	<b>40MP-E250</b>
3"	<b>40MP-E300</b>
4"	<b>40MP-E400</b>
6"	<b>40MP-E600</b>

Visit [dixonvalve.com](http://dixonvalve.com) for sizing charts



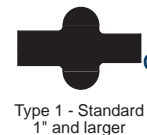
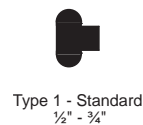
Clamp Gaskets

FKM - Black

Features:

- color code: one white dot, one yellow dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing

Size	FKM Part #
1/2"	42MP-SFY50
3/4"	42MP-SFY75
1"	40MP-SFY100
1 1/2"	40MP-SFY150
2"	40MP-SFY200
2 1/2"	40MP-SFY250
3"	40MP-SFY300
4"	40MP-SFY400
6"	40MP-SFY600



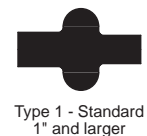
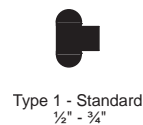
Sanitary Fittings

Silicone - White

Features:

- color code: pink dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing

Size	Silicone Part #
1/2"	42MP-XW50
3/4"	42MP-XW75
1"	40MP-XW100
1 1/2"	40MP-XW150
2"	40MP-XW200
2 1/2"	40MP-XW250
3"	40MP-XW300
4"	40MP-XW400
6"	40MP-XW600

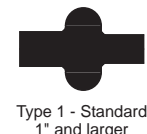
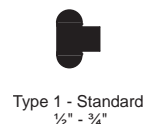


Silicone - Clear

Features:

- color code: no dot
- peroxide cured
- meets 21CFR 177.2600

Size	Silicone Part #
1/2"	42MP-XC50
3/4"	42MP-XC75
1"	40MP-XC100
1 1/2"	40MP-XC150
2"	40MP-XC200
2 1/2"	40MP-XC250
3"	40MP-XC300
4"	40MP-XC400




Clamp Gaskets

PTFE - White

Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

Size	PTFE Part #
1/2"	42MP-G50
3/4"	42MP-G75
1"	40MP-G100
1 1/2"	40MP-G150
2"	40MP-G200
2 1/2"	40MP-G250
3"	40MP-G300
4"	40MP-G400
5"	40MP-G500
6"	40MP-G600
8"	40MP-G800
10"	40MP-G1000
12"	40MP-G1200

PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained. 

Sanitary Fittings



Type 1 - Standard  
1/2" - 3/4"



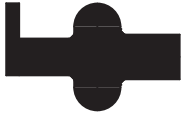
Type 1 - Standard  
1" and larger

Buna-N Flanged - Black

Features:

- color code: red dot
- meets 21CFR 177.2600
- not recommended for use with bolted clamps

Size	Buna-N Part #
1"	40MPF-U100
1 1/2"	40MPF-U150
2"	40MPF-U200
2 1/2"	40MPF-U250
3"	40MPF-U300
4"	40MPF-U400
6"	40MPF-U600
8"	40MPF-U800
10"	40MPF-U1000
12"	40MPF-U1200



Type 2 - Flanged  
1" and larger

Buna-N Flanged - White

Features:

- color code: red dot
- meets 21CFR 177.2600
- not recommended for use with bolted clamps

Size	Buna-N Part #
1"	40MPF-UW100
1 1/2"	40MPF-UW150
2"	40MPF-UW200
2 1/2"	40MPF-UW250
3"	40MPF-UW300
4"	40MPF-UW400
6"	40MPF-UW600



Type 2 - Flanged  
1" and larger

Visit [dixonvalve.com](http://dixonvalve.com) for sizing charts

Clamp Gaskets

EPDM Flanged - Black

Features:

- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

Size	EPDM 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 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-XW250
3"	40MPF-XW300
4"	40MPF-XW400
6"	40MPF-XW600
8"	40MPF-XW800
10"	40MPF-XW1000
12"	40MPF-XW1200



Type 2 - Flanged  
1" and larger

Visit [dixonvalve.com](http://dixonvalve.com) for sizing charts

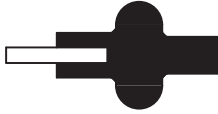
## Clamp Gaskets

## Buna-N Mesh Screen, 316

## Features:

- color code: red dot
- meets 21CFR 177.2600
- 10 mesh standard, other mesh available-call for details

Size	Buna-N Part #
1"	<b>40MPS-U100</b>
1½"	<b>40MPS-U150</b>
2"	<b>40MPS-U200</b>
2½"	<b>40MPS-U250</b>
3"	<b>40MPS-U300</b>
4"	<b>40MPS-U400</b>



Type 3 - Mesh

## PTFE Envelope with EPDM Filler

## Features:

- color code: usually not marked
- peroxide cured EPDM
- meets 21CFR 177.1550
- PTFE passed USP Class VI Cytotoxicity testing

Size	PTFE with EPDM Filler Part #
½"	<b>42MP-GRE50</b>
1"	<b>40MP-GRE100</b>
1½"	<b>40MP-GRE150</b>
2"	<b>40MP-GRE200</b>
2½"	<b>40MP-GRE250</b>
3"	<b>40MP-GRE300</b>
4"	<b>40MP-GRE400</b>
6"	<b>40MP-GRE600</b>



## PTFE Envelope with FKM Filler

## Features:

- color code: usually not marked
- peroxide cured FKM
- meets 21CFR 177.1550
- PTFE passed USP Class VI Cytotoxicity testing

Size	PTFE with FKM Filler Part #
1"	<b>40MP-GR100</b>
1½"	<b>40MP-GR150</b>
2"	<b>40MP-GR200</b>
2½"	<b>40MP-GR250</b>
3"	<b>40MP-GR300</b>
4"	<b>40MP-GR400</b>
6"	<b>40MP-GR600</b>



PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.





## Metal Detectable Clamp Gaskets

**Materials:**

- Metal detectable gaskets are impregnated with stainless steel particles. The addition of stainless steel allows a gasket or gasket pieces to be found with metal detection equipment.

**Buna-N****Features:**

- good general use where temperature extremes do not exist
- minimum temperature: **-20°F (-29°C)**
- maximum temperature: **212°F (100°C)**

Size	Buna-N Part #
1"	<b>40MP-UZ100</b>
1½"	<b>40MP-UZ150</b>
2"	<b>40MP-UZ200</b>
2½"	<b>40MP-UZ250</b>
3"	<b>40MP-UZ300</b>
4"	<b>40MP-UZ400</b>

Type 1 - Standard  
1" and larger**EPDM****Features:**

- resistant to steam, water and base solutions
- minimum temperature: **-70°F (-57°C)**
- maximum temperature: **310°F (154°C)**

Size	EPDM Part #
1"	<b>40MP-EZ100</b>
1½"	<b>40MP-EZ150</b>
2"	<b>40MP-EZ200</b>
2½"	<b>40MP-EZ250</b>
3"	<b>40MP-EZ300</b>
4"	<b>40MP-EZ400</b>

Type 1 - Standard  
1" and larger**FKM****Features:**

- resistant to steam, heat and high acid solutions
- minimum temperature: **-20°F (-29°C)**
- maximum temperature: **410°F (410°C)**

Size	FKM Part #
1"	<b>40MP-SFYZ100</b>
1½"	<b>40MP-SFYZ150</b>
2"	<b>40MP-SFYZ200</b>
2½"	<b>40MP-SFYZ250</b>
3"	<b>40MP-SFYZ300</b>
4"	<b>40MP-SFYZ400</b>

Type 1 - Standard  
1" and larger

Cam and Groove Transition Fittings <sup>1</sup>

Adapter x Clamp End

Sanitary  
Fittings



Size	316 Stainless Steel Part #
1½"	<b>RE150SE</b>
2"	<b>RE200SE</b>
3"	<b>RE300SE</b>

Coupler x Clamp End



Size	316 Stainless Steel Part #
1½"	<b>RC150SE</b>
2"	<b>RC200SE</b>
3"	<b>RC300SE</b>

Dixon® Weld to Tube Cam and Groove <sup>1</sup>

Features:

- designed to be welded to standard sanitary tubing
- 316 stainless steel investment casting

Adapter x Weld to Tube End



Size	316 Stainless Steel Part #
1"	<b>RE100BT</b>
1½"	<b>RE150BT</b>
2"	<b>RE200BT</b>
3"	<b>RE300BT</b>

Boss-Lock™ Coupler x Weld to Tube End



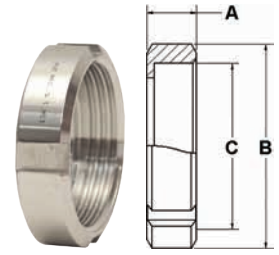
Size	316 Stainless Steel Part #
1"	<b>RC100BT</b>
1½"	<b>RC150BT</b>
2"	<b>RC200BT</b>
3"	<b>RC300BT</b>

<sup>1</sup> for all other cam and groove options see pages 121-162

## European Fittings - DIN

## DIN 11851 Round Nuts - 13R

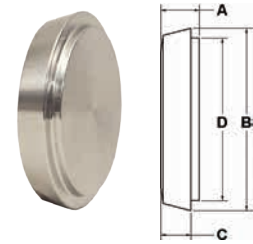
Nominal Size	A (mm)	B (mm)	C (mm)	304 Stainless Steel Part Number
1"	21.0	63.0	52 x 1/6	<b>13R-G100DIN</b>
1½"	21.0	78.0	65 x 1/6	<b>13R-G150DIN</b>
2"	22.0	92.0	78 x 1/6	<b>13R-G200DIN</b>
2½"	25.0	112.0	95 x 1/6	<b>13R-G250DIN</b>
3"	30.0	127.0	110 x 1/4	<b>13R-G300DIN</b>
4"	31.0	148.0	130 x 1/4	<b>13R-G400DIN</b>



Sanitary Fittings

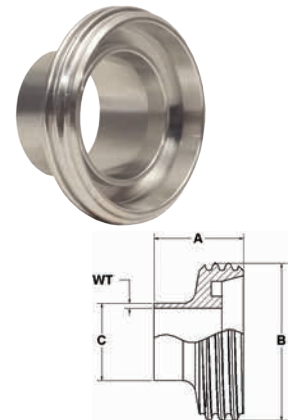
## DIN Blank Caps - 16AMP

Nominal Size	A (mm)	B (mm)	C (mm)	D (mm)	316 Stainless Steel Part Number
1"	13.0	44.0	9.9	35.0	<b>16AMP-R100DIN</b>
1½"	13.0	56.0	9.9	48.0	<b>16AMP-R150DIN</b>
2"	14.0	68.0	10.9	61.0	<b>16AMP-R200DIN</b>
2½"	16.0	86.0	11.9	79.0	<b>16AMP-R250DIN</b>
3"	16.0	100.0	11.9	93.0	<b>16AMP-R300DIN</b>
4"	20.1	120.0	15.0	114.0	<b>16AMP-R400DIN</b>



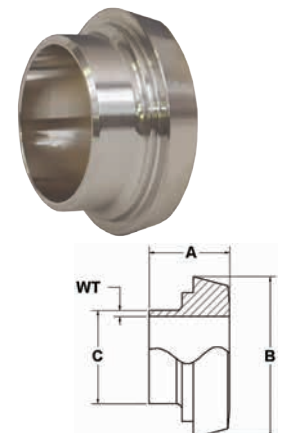
## DIN Welding Males - 15A

Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.6	29.0	52 x 1/6	25.4	<b>15A-R100DIN</b>
1½"	1.6	33.0	65 x 1/6	38.1	<b>15A-R150DIN</b>
2"	1.7	35.0	78 x 1/6	51.0	<b>15A-R200DIN</b>
2½"	1.6	40.0	95 x 1/6	63.5	<b>15A-R250DIN</b>
3"	1.6	45.0	110 x 1/4	76.2	<b>15A-R300DIN</b>
4"	2.0	54.0	130 x 1/4	101.6	<b>15A-R400DIN</b>



## DIN Welding Liners - 14A

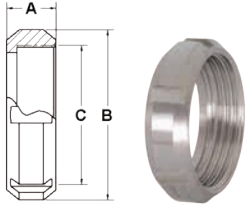
Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.6	22.0	44.0	25.4	<b>14A-R100DIN</b>
1½"	1.6	26.0	56.0	38.1	<b>14A-R150DIN</b>
2"	1.7	28.0	68.0	51.0	<b>14A-R200DIN</b>
2½"	1.6	32.0	86.0	63.5	<b>14A-R250DIN</b>
3"	1.6	37.0	100.0	76.2	<b>14A-R300DIN</b>
4"	2.0	44.0	121.0	101.6	<b>14A-R400DIN</b>



Manufactured in accordance to Imperial DIN 11851

European Fittings - SMS

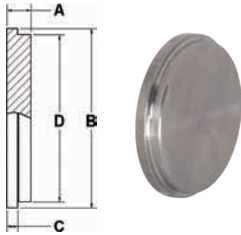
Sanitary Fittings



Round Nuts - 13R

Nominal Size	A (mm)	B (mm)	C (mm)	304 Stainless Steel Part Number
1"	19.0	51.0	40 x 1/6	<b>13R-G100SMS</b>
1½"	23.0	74.0	60 x 1/6	<b>13R-G150SMS</b>
2"	24.0	84.0	70 x 1/6	<b>13R-G200SMS</b>
2½"	28.0	100.0	85 x 1/6	<b>13R-G250SMS</b>
3"	30.0	114.0	98 x 1/6	<b>13R-G300SMS</b>
4"	31.0	138.0	125 x 1/4	<b>13R-G400SMS</b>

Blank Caps - 16AMP



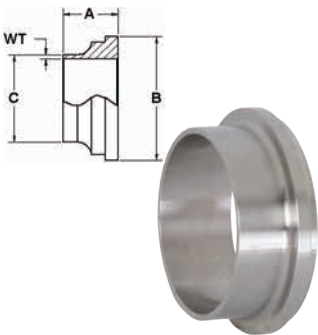
Nominal Size	A (mm)	B (mm)	C (mm)	D (mm)	316 Stainless Steel Part Number
1"	7.5	35.5	3.6	32.0	<b>16AMP-R100SMS</b>
1½"	8.0	55.0	4.1	47.9	<b>16AMP-R150SMS</b>
2"	9.0	65.0	4.1	60.4	<b>16AMP-R200SMS</b>
2½"	9.0	80.0	4.1	73.5	<b>16AMP-R250SMS</b>
3"	11.0	93.0	5.1	86.5	<b>16AMP-R300SMS</b>
4"	11.0	118.0	5.8	112.5	<b>16AMP-R400SMS</b>

Welding Males - 15A



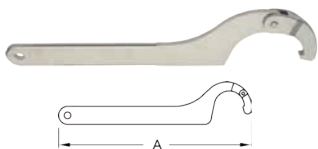
Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.25	19.0	40 x 1/6	25.0	<b>15A-R100SMS</b>
1½"	1.25	23.0	60 x 1/6	38.0	<b>15A-R150SMS</b>
2"	1.25	23.0	70 x 1/6	51.0	<b>15A-R200SMS</b>
2½"	1.50	27.0	85 x 1/6	63.5	<b>15A-R250SMS</b>
3"	1.60	27.0	98 x 1/6	76.1	<b>15A-R300SMS</b>
4"	2.00	30.0	125 x 1/4	101.6	<b>15A-R400SMS</b>

Welding Liners - 14A



Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.25	15.5	35.5	25.0	<b>14A-R100SMS</b>
1½"	1.25	16.0	55.0	38.0	<b>14A-R150SMS</b>
2"	1.25	17.0	65.0	51.0	<b>14A-R200SMS</b>
2½"	1.50	17.0	80.0	63.5	<b>14A-R250SMS</b>
3"	1.60	19.0	93.0	76.1	<b>14A-R300SMS</b>
4"	2.00	19.0	118.0	101.6	<b>14A-R400SMS</b>

DIN and SMS Spanner Wrenches - SP



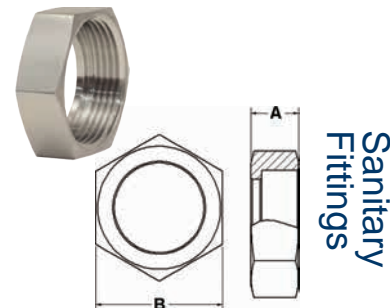
Used On Nominal Size	A (mm)	Nickel Plated Steel Part Number
1" - 1½"	247.7	<b>DIN-SMS-60/90SP</b>
2" - 4"	330.2	<b>DIN-SMS90/155SP</b>

Manufactured in accordance to Swedish Milk Standard ISO 2037 and ISO 2851

## European Fittings - RJT BS: 4825

## Hex Nuts - 13H

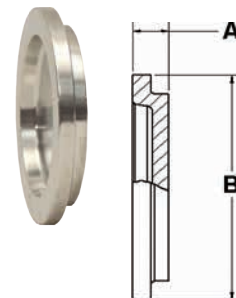
Nominal Size	A (mm)	B (mm)	304 Stainless Steel Part Number
1"	22.2	50.80	<b>13H-G100RJT</b>
1½"	22.2	65.02	<b>13H-G150RJT</b>
2"	22.2	79.25	<b>13H-G200RJT</b>
2½"	22.2	91.95	<b>13H-G250RJT</b>
3"	22.2	104.65	<b>13H-G300RJT</b>
4"	22.2	130.05	<b>13H-G400RJT</b>



Sanitary Fittings

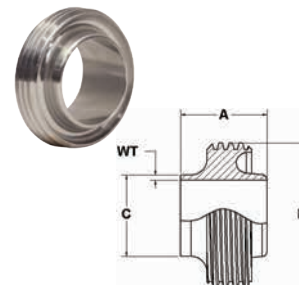
## Blank Caps - 13RBN

Nominal Size	A (mm)	B (mm)	304 Stainless Steel Part Number
1"	8.2	41.3	<b>13RBN-G100RJT</b>
1½"	8.2	54.0	<b>13RBN-G150RJT</b>
2"	8.2	66.7	<b>13RBN-G200RJT</b>
2½"	8.2	79.4	<b>13RBN-G250RJT</b>
3"	8.2	92.1	<b>13RBN-G300RJT</b>
4"	8.2	117.5	<b>13RBN-G400RJT</b>



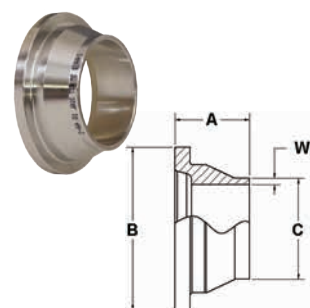
## Welding Males - 15A

Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.73	27.0	45.72 x 1/8	25.65	<b>15A-R100RJT</b>
1½"	1.73	27.0	58.42 x 1/8	38.35	<b>15A-R150RJT</b>
2"	1.73	27.0	72.72 x 1/6	51.05	<b>15A-R200RJT</b>
2½"	1.73	27.0	85.42 x 1/6	63.75	<b>15A-R250RJT</b>
3"	1.73	27.0	98.12 x 1/6	76.45	<b>15A-R300RJT</b>
4"	2.13	27.0	123.52 x 1/6	101.85	<b>15A-R400RJT</b>



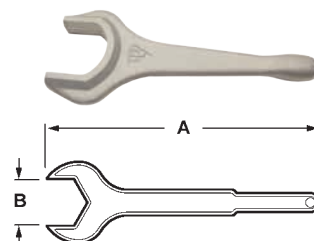
## Welding Liners - 14A

Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.73	19.5	41.3	25.65	<b>14A-R100RJT</b>
1½"	1.73	19.5	54.0	38.35	<b>14A-R150RJT</b>
2"	1.73	19.5	66.7	51.05	<b>14A-R200RJT</b>
2½"	1.73	19.5	79.4	63.75	<b>14A-R250RJT</b>
3"	1.73	19.5	92.1	76.45	<b>14A-R300RJT</b>
4"	2.13	19.5	117.5	101.85	<b>14A-R400RJT</b>



## Spanner Wrenches - SP

Size	A (mm)	B (mm)	Aluminum Part Number
1"	254.00	50.80	<b>RJT-100SP</b>
1½"	292.10	65.02	<b>RJT-150SP</b>
2"	304.80	79.25	<b>RJT-200SP</b>
2½"	342.80	91.95	<b>RJT-250SP</b>
3"	368.30	104.65	<b>RJT-300SP</b>
4"	444.50	130.05	<b>RJT-400SP</b>



Manufactured in accordance to BS 4825

## European Fittings - Gaskets

## DIN Buna-N - Black

## Feature:

- color code: red dot

## Approval:

- meets 21CFR 177.2600

Nominal Size	ID (mm)	OD (mm)	DIN 11851 Part Number
1"	29.97	39.88	<b>40MP-U100DIN</b>
1½"	41.91	52.07	<b>40MP-U150DIN</b>
2"	54.10	64.01	<b>40MP-U200DIN</b>
2½"	71.12	81.03	<b>40MP-U250DIN</b>
3"	85.09	95.00	<b>40MP-U300DIN</b>
4"	103.89	114.05	<b>40MP-U400DIN</b>

Sanitary Fittings



## SMS Buna-N - Black

## Feature:

- color code: red dot

## Approval:

- meets 21CFR 177.2600

Nominal Size	ID (mm)	OD (mm)	L Style Part Number
1"	24.89	32.00	<b>40MP-U100SMS</b>
1½"	37.49	48.00	<b>40MP-U150SMS</b>
2"	50.80	61.00	<b>40MP-U200SMS</b>
2½"	63.50	73.40	<b>40MP-U250SMS</b>
3"	75.95	86.10	<b>40MP-U300SMS</b>
4"	103.89	114.00	<b>40MP-U400SMS</b>



## RJT Buna-N - Black

## Feature:

- color code: red dot

## Approval:

- meets 21CFR 177.2600

Nominal Size	ID (mm)	OD (mm)	Part Number
1"	26.92	6.35	<b>40MP-U100RJT</b>
1½"	39.62	6.35	<b>40MP-U150RJT</b>
2"	52.32	6.35	<b>40MP-U200RJT</b>
2½"	65.08	6.35	<b>40MP-U250RJT</b>
3"	77.72	6.35	<b>40MP-U300RJT</b>
4"	103.12	6.35	<b>40MP-U400RJT</b>



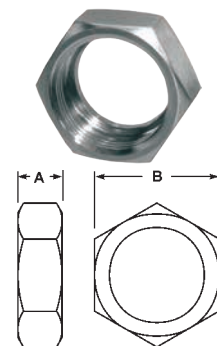


Bevel Seat Nuts - 13H

Feature:

- maximum operating pressure: **400 PSI**

Tube OD	Dimensions		304 Stainless Steel (CF8) Part #
	A	B	
1"	.906"	1.812"	<b>13H-G100</b>
1½"	.968"	2.406"	<b>13H-G150</b>
2"	1.062"	3.000"	<b>13H-G200</b>
2½"	1.187"	3.594"	<b>13H-G250</b>
3"	1.281"	4.188"	<b>13H-G300</b>
4"	1.500"	5.438"	<b>13H-G400</b>

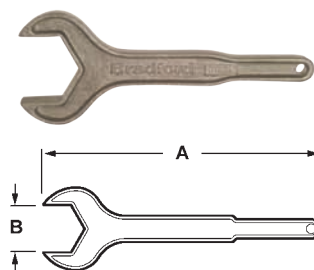


Sanitary Fittings

Bevel Seat Wrenches

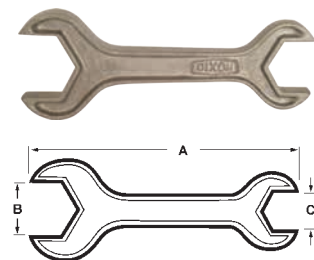
Single Sided Hex - 25H

Tube OD	Dimensions		Aluminum Part #
	A	B	
1"	10.500"	1.812"	<b>25H-100</b>
1½"	12.000"	2.406"	<b>25H-150</b>
2"	14.000"	3.000"	<b>25H-200</b>
2½"	16.250"	3.594"	<b>25H-250</b>
3"	18.500"	4.188"	<b>25H-300</b>
4"	19.500"	5.438"	<b>25H-400</b>



Two Sided Hex - 25H

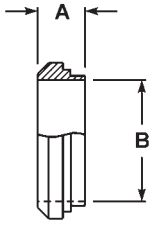
Tube OD	Dimensions			Aluminum Part #
	A	B	C	
1½" x 1"	12.000"	2.406"	1.812"	<b>25H-150100</b>
2" x 1½"	14.000"	3.000"	2.406"	<b>25H-200150</b>
2½" x 2"	16.500"	3.594"	3.000"	<b>25H-250200</b>
3" x 2"	18.000"	4.188"	3.000"	<b>25H-300200</b>
3" x 2½"	18.000"	4.188"	3.594"	<b>25H-300250</b>



Bevel Seat Ferrules

Short Plain Weld - 14PRF

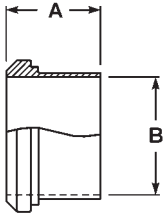
Sanitary Fittings



Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	.718"	.870"	<b>14PRF-G100</b>
1½"	.718"	1.370"	<b>14PRF-G150</b>
2"	.750"	1.870"	<b>14PRF-G200</b>
2½"	.875"	2.370"	<b>14PRF-G250</b>
3"	.906"	2.870"	<b>14PRF-G300</b>
4"	1.031"	3.834"	<b>14PRF-G400</b>



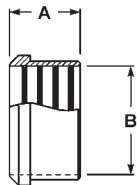
Long Plain Weld - 14A



Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	1.375"	.870"	<b>14A-G100</b>
1½"	1.500"	1.370"	<b>14A-G150</b>
2"	1.500"	1.870"	<b>14A-G200</b>
2½"	1.750"	2.370"	<b>14A-G250</b>
3"	1.750"	2.870"	<b>14A-G300</b>
4"	1.750"	3.834"	<b>14A-G400</b>



Recessless Plain for Expanding - 14R

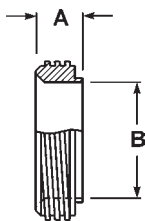


Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1½"	1.125"	1.505"	<b>14R-G150</b>
2"	1.312"	2.005"	<b>14R-G200</b>
2½"	1.375"	2.505"	<b>14R-G250</b>
3"	1.437"	3.005"	<b>14R-G300</b>
4"	1.500"	4.005"	<b>14R-G400</b>

<sup>1</sup> Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.



Short Threaded Weld - 15TRF



Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	.718"	.870"	<b>15TRF-G100</b>
1½"	.718"	1.370"	<b>15TRF-G150</b>
2"	.750"	1.870"	<b>15TRF-G200</b>
2½"	.875"	2.370"	<b>15TRF-G250</b>
3"	.906"	2.870"	<b>15TRF-G300</b>
4"	1.031"	3.834"	<b>15TRF-G400</b>

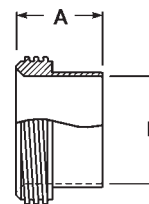


Bevel Seat Ferrules

Long Threaded Weld - 15A



Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	1.375"	.870"	<b>15A-G100</b>
1½"	1.500"	1.370"	<b>15A-G150</b>
2"	1.500"	1.870"	<b>15A-G200</b>
2½"	1.750"	2.370"	<b>15A-G250</b>
3"	1.750"	2.870"	<b>15A-G300</b>
4"	1.750"	3.834"	<b>15A-G400</b>

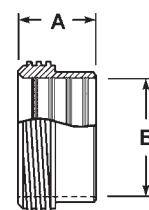


Sanitary Fittings

Recessless Threaded for Expanding - 15R



Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	.812"	1.005"	<b>15R-G100</b>
1½"	1.125"	1.505"	<b>15R-G150</b>
2"	1.375"	2.005"	<b>15R-G200</b>
2½"	1.500"	2.505"	<b>15R-G250</b>
3"	1.625"	3.005"	<b>15R-G300</b>
4"	1.675"	4.005"	<b>15R-G400</b>



<sup>1</sup> Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.

Bevel Seat End Caps

Plain Solid - 16A



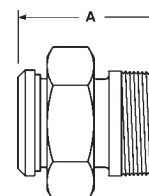
Tube OD	Dimension A	304 Stainless Steel Part #
1"	1.312"	<b>16A-G100</b>
1½"	1.843"	<b>16A-G150</b>
2"	2.375"	<b>16A-G200</b>
2½"	2.906"	<b>16A-G250</b>
3"	3.437"	<b>16A-G300</b>
4"	4.500"	<b>16A-G400</b>



Bevel Seat Adapters

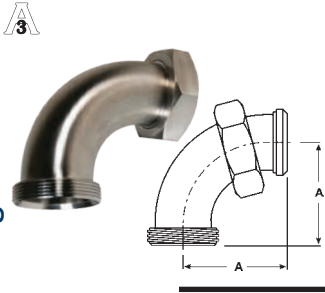
Plain x Male NPT with Hex Nut - 14-19

Tube OD	Dimension A	304 Stainless Steel Part #
1½"	3.250"	<b>14-19-G150</b>
2"	3.312"	<b>14-19-G200</b>
3"	4.250"	<b>14-19-G300</b>



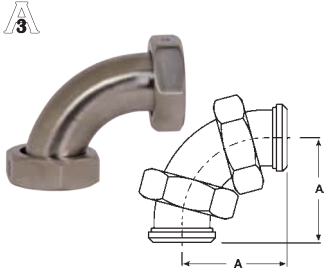
Bevel Seat Elbows

90° Threaded x Plain with Hex Nut - B2F



Tube OD	Dimension A	304 Stainless Steel Part #
1½"	2.968"	<b>B2F-G150</b>
2"	3.750"	<b>B2F-G200</b>
2½"	4.625"	<b>B2F-G250</b>
3"	5.406"	<b>B2F-G300</b>

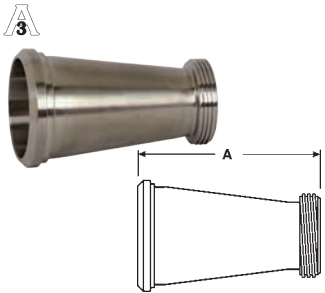
90° Plain x Plain with Hex Nut - B2E



Tube OD	Dimension A	304 Stainless Steel Part #
1½"	2.968"	<b>B2E-G150</b>
2"	3.750"	<b>B2E-G200</b>
2½"	4.625"	<b>B2E-G250</b>
3"	5.406"	<b>B2E-G300</b>

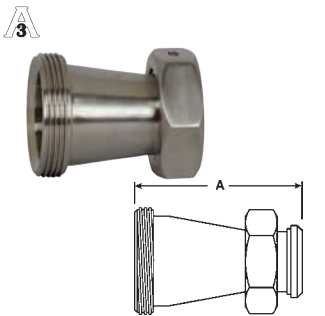
Bevel Seat Reducers

Plain x Threaded Concentric - B3115F



Tube OD	Dimension A	304 Stainless Steel Part #
2" x 1½"	3.468"	<b>B3115F-G200150</b>
2½" x 2"	3.625"	<b>B3115F-G250200</b>
3" x 2"	5.656"	<b>B3115F-G300200</b>
3" x 2½"	3.781"	<b>B3115F-G300250</b>
4" x 3"	5.937"	<b>B3115F-G400300</b>

Threaded x Plain with Hex Nut Concentric - B31TP



Tube OD	Dimension A	304 Stainless Steel Part #
2" x 1½"	3.468"	<b>B31TP-G200150</b>
2½" x 2"	3.625"	<b>B31TP-G250200</b>
3" x 2"	5.656"	<b>B31TP-G300200</b>
3" x 2½"	3.781"	<b>B31TP-G300250</b>
4" x 3"	5.937"	<b>B31TP-G400300</b>

Breakaway Coupling - Bevel Seat

**Application:**

- minimizes spillage and damage associated with pull away and drive away incidents

**Materials:**

- 316 stainless steel polished to standard <math>32R\_a</math>, 3A finish
- clamp gasket: EPDM standard, optional material available

**Features:**

- designed to be installed between a fixed point and a hose
- 13kN break load bolts standard, other break loads available
- coupling breaks away with an excessive load
- other sizes / connections available

**Specification:**

- working pressure: **350 PSI @ 70°F (21°C)**



Size	316 Stainless Steel Part #
2"	<b>SBC-E200TP13</b>
3"	<b>SBC-E300TP13</b>





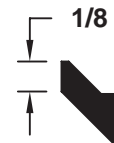
Bevel Seat Gaskets

Buna-N - Black

Features:

- color code: red dot
- meets 21CFR 177.2600

Size	Buna-N Part #
1"	40BS-O100
1½"	40BS-O150
2"	40BS-O200
2½"	40BS-O250
3"	40BS-O300
4"	40BS-O400



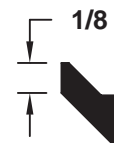
Sanitary Fittings

PTFE - White

Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing

Size	PTFE Part #
1"	40BS-S100
1½"	40BS-S150
2"	40BS-S200
2½"	40BS-S250
3"	40BS-S300
4"	40BS-S400

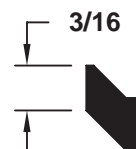


Heavy PTFE - White

Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing

Size	PTFE Part #
1"	40BS-H100
1½"	40BS-H150
2"	40BS-H200
2½"	40BS-H250
3"	40BS-H300
4"	40BS-H400



PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



I-line / Q-line Clamps

Heavy Duty - 13ILH

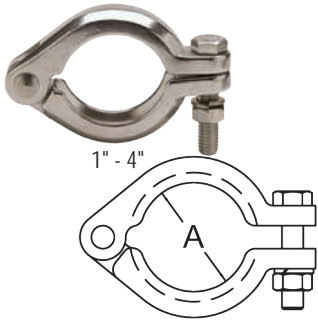
Sanitary Fittings



Tube OD	Service Pressure PSI Rating @ 70°F (21°C) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	304 Stainless Steel Part #
1" - 1½"	<b>700</b>	<b>250</b>	2.122"	<b>13ILH100-150</b>
2"	<b>450</b>	<b>250</b>	2.654"	<b>13ILH200</b>
2½"	<b>450</b>	<b>200</b>	3.185"	<b>13ILH250</b>
3"	<b>350</b>	<b>150</b>	3.717"	<b>13ILH300</b>
4"	<b>200</b>	<b>125</b>	4.820"	<b>13ILH400</b>
6"	<b>150</b>	<b>100</b>	7.689"	<b>13ILH600</b>
8"	<b>125</b>	<b>75</b>	9.689"	<b>13ILH800</b>

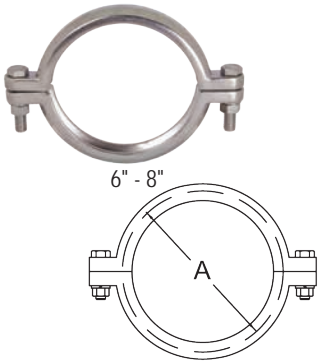
<sup>1</sup> wing nut tightened to 25 in. lbs. of torque

Bolted - 13ILB



Tube OD	Service Pressure PSI Rating @ 70°F (21°C) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	304 Stainless Steel Part #
1" - 1½"	<b>1220</b>	<b>1100</b>	2.122"	<b>13ILB100-150</b>
2"	<b>900</b>	<b>830</b>	2.654"	<b>13ILB200</b>
2½"	<b>720</b>	<b>660</b>	3.185"	<b>13ILB250</b>
3"	<b>600</b>	<b>550</b>	3.717"	<b>13ILB300</b>
4"	<b>570</b>	<b>525</b>	4.820"	<b>13ILB400</b>

<sup>1</sup> nut tightened to 20 ft. lbs. of torque



Tube OD	Service Pressure PSI Rating @ 70°F (21°C) <sup>1</sup>	Service Pressure PSI Rating @ 250°F (121°C) <sup>1</sup>	Dimension A	304 Stainless Steel Part #
6"	<b>300</b>	<b>200</b>	7.689"	<b>13ILB600</b>
8"	<b>250</b>	<b>150</b>	9.689"	<b>13ILB800</b>

<sup>1</sup> nut tightened to 20 ft. lbs. of torque

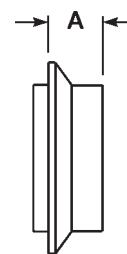


I-Line - Ferrules

Male Short Weld - 14WI



Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.600"	<b>14WI-G100</b>	<b>14WI-R100</b>
1½"	.765"	<b>14WI-G150</b>	<b>14WI-R150</b>
2"	.790"	<b>14WI-G200</b>	<b>14WI-R200</b>
2½"	.848"	<b>14WI-G250</b>	<b>14WI-R250</b>
3"	.906"	<b>14WI-G300</b>	<b>14WI-R300</b>
4"	1.031"	<b>14WI-G400</b>	<b>14WI-R400</b>
6"	.940"	---	<b>14WI-R600</b>
8"	.940"	---	<b>14WI-R800</b>

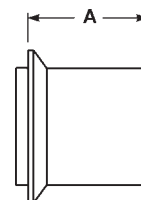


Sanitary Fittings

Male Long Weld - 14WLI



Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.562"	<b>14WLI-G100</b>	<b>14WLI-R100</b>
1½"	1.843"	<b>14WLI-G150</b>	<b>14WLI-R150</b>
2"	2.062"	<b>14WLI-G200</b>	<b>14WLI-R200</b>
2½"	2.188"	<b>14WLI-G250</b>	<b>14WLI-R250</b>
3"	2.375"	<b>14WLI-G300</b>	<b>14WLI-R300</b>
4"	2.688"	<b>14WLI-G400</b>	<b>14WLI-R400</b>
6"	2.688"	---	<b>14WLI-R600</b>



Female Short Weld - 15WI



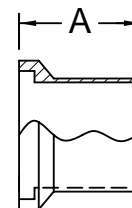
Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.785"	<b>15WI-G100</b>	<b>15WI-R100</b>
1½"	.950"	<b>15WI-G150</b>	<b>15WI-R150</b>
2"	1.040"	<b>15WI-G200</b>	<b>15WI-R200</b>
2½"	1.160"	<b>15WI-G250</b>	<b>15WI-R250</b>
3"	1.220"	<b>15WI-G300</b>	<b>15WI-R300</b>
4"	1.350"	<b>15WI-G400</b>	<b>15WI-R400</b>
6"	1.125"	---	<b>15WI-R600</b>
8"	1.125"	---	<b>15WI-R800</b>



Female Long Weld - 15WLI



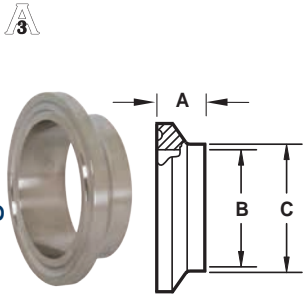
Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.750"	<b>15WLI-G100</b>	<b>15WLI-R100</b>
1½"	2.031"	<b>15WLI-G150</b>	<b>15WLI-R150</b>
2"	2.312"	<b>15WLI-G200</b>	<b>15WLI-R200</b>
2½"	2.500"	<b>15WLI-G250</b>	<b>15WLI-R250</b>
3"	2.688"	<b>15WLI-G300</b>	<b>15WLI-R300</b>
4"	3.000"	<b>15WLI-G400</b>	<b>15WLI-R400</b>
6"	3.000"	---	<b>15WLI-R600</b>



Q-Line - Ferrules

Weld - 14WQ

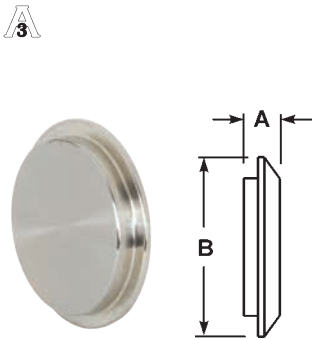
Sanitary Fittings



Tube OD	Dimensions			304 Stainless Steel Part #
	A	B	C	
1"	.531"	.870"	1.000"	<b>14WQ-G100</b>
1½"	.563"	1.370"	1.500"	<b>14WQ-G150</b>
2"	.813"	1.870"	2.000"	<b>14WQ-G200</b>
2½"	.938"	2.370"	2.500"	<b>14WQ-G250</b>
3"	.938"	2.870"	3.000"	<b>14WQ-G300</b>
4"	1.000"	3.834"	4.000"	<b>14WQ-G400</b>

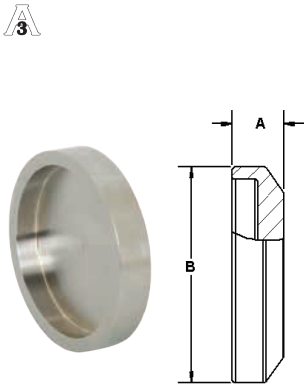
I-Line / Q-Line - End Caps

Male Solid - 16AI-14I



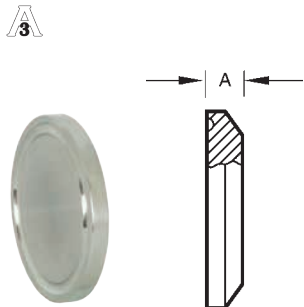
Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
1"	.500"	1.985"	<b>16AI-14I100</b>	<b>16AI-14I100R</b>
1½"	.500"	1.985"	<b>16AI-14I150</b>	<b>16AI-14I150R</b>
2"	.562"	2.640"	<b>16AI-14I200</b>	<b>16AI-14I200R</b>
2½"	.750"	3.307"	<b>16AI-14I250</b>	<b>16AI-14I250R</b>
3"	.750"	3.870"	<b>16AI-14I300</b>	<b>16AI-14I300R</b>
4"	.750"	4.870"	<b>16AI-14I400</b>	<b>16AI-14I400R</b>
6"	.750"	7.495"	---	<b>16AI-14I600R</b>
8"	.800"	9.495"	---	<b>16AI-14I800R</b>

Female Solid - 16AI-15I



Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
1"	.500"	1.985"	<b>16AI-15I100</b>	<b>16AI-15I100R</b>
1½"	.500"	1.985"	<b>16AI-15I150</b>	<b>16AI-15I150R</b>
2"	.562"	2.640"	<b>16AI-15I200</b>	<b>16AI-15I200R</b>
2½"	.750"	3.307"	<b>16AI-15I250</b>	<b>16AI-15I250R</b>
3"	.750"	3.870"	<b>16AI-15I300</b>	<b>16AI-15I300R</b>
4"	.765"	4.870"	<b>16AI-15I400</b>	<b>16AI-15I400R</b>
6"	.869"	7.495"	---	<b>16AI-15I600R</b>
8"	.800"	9.495"	---	<b>16AI-15I800R</b>

Solid - 16AQ



Tube OD	Dimension A	304 Stainless Steel Part #
1"	.313"	<b>16AQ-G100</b>
1½"	.313"	<b>16AQ-G150</b>
2"	.438"	<b>16AQ-G200</b>
2½"	.500"	<b>16AQ-G250</b>
3"	.500"	<b>16AQ-G300</b>
4"	.625"	<b>16AQ-G400</b>



I-line Gaskets

3/32" Buna-N - Black

Features:

- color code: red dot
- meets 21CFR 177.2600

Size	Buna-N Part #
1"	40IH100
1½"	40IH150
2"	40IH200
2½"	40IH250
3"	40IH300
4"	40IH400
6"	40IH600
8"	40IH800



Sanitary  
Fittings

1/16" PTFE - White

Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP class VI cytotoxicity testing

Size	PTFE Part #
1"	40IT100
1½"	40IT150
2"	40IT200
2½"	40IT250
3"	40IT300
4"	40IT400
6"	40IT600
8"	40IT800



PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



3/32" EPDM - White

Features:

- color code: three green dots
- meets 21CFR 177.2600
- passed USP class VI cytotoxicity testing
- peroxide cured

Size	EPDM Part #
1"	40IE100
1½"	40IE150
2"	40IE200
2½"	40IE250
3"	40IE300
4"	40IE400
6"	40IE600
8"	40IE800



## I-line Gaskets

1/16" FKM - Black

## Features:

- color code: one white dot, one yellow dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing
- peroxide cured



Size	FKM Part #
1"	40IV100
1½"	40IV150
2"	40IV200
2½"	40IV250
3"	40IV300
4"	40IV400
6"	40IV600
8"	40IV800

## Q-line Gaskets

Buna-N - Black

## Features:

- color code: red dot
- meets 21CFR 177.2600



Size	Buna-N Part #
1"	40QH100
1½"	40QH150
2"	40QH200
2½"	40QH250
3"	40QH300
4"	40QH400

PTFE - White

## Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing



Size	PTFE 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. 