



## Straight Through Quick-Connect Fittings


These couplers have no internal valves, providing maximum flow with minimum pressure drop. Supplied with Buna-N gasket seal. Interchanges with Parker-Hannifin SST/BST, Foster FST and Hansen ST couplings.

**SAFETY**  
ALERT

- Do Not Disconnect with pressure in line.

Female Couplers	Size	Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/4"	1/4" - 18	5500	brass	STFC2	\$7.90	12
	3/8"	3/8" - 18	4500	brass	STFC3	9.74	12
	1/2"	1/2" - 14	3500	brass	STFC4	14.06	12
	3/4"	3/4" - 14	3100	brass	STFC6	27.04	12
	1"	1" - 11½	2500	brass	STFC8	38.94	1
	1-1/4"	1-1/4" - 11½	2500	brass	STFC10	105.16	1
	1-1/2"	1-1/2" - 11½	2500	brass	STFC12	144.13	1
	2"	2" - 11½	2500	brass	STFC16	198.55	1
	1/4"	1/4" - 18	6700	303 stainless	STFC2SS	51.00	5
	3/8"	3/8" - 18	5500	303 stainless	STFC3SS	74.00	5
	1/2"	1/2" - 14	3000	303 stainless	STFC4SS	87.00	5
	3/4"	3/4" - 14	3000	303 stainless	STFC6SS	149.25	5
	1"	1" - 11½	1700	303 stainless	STFC8SS	202.00	5

Male Couplers	Size	Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/4"	1/4" - 18	5500	brass	STMC2	\$7.90	12
	3/8"	3/8" - 18	4500	brass	STMC3	9.74	12
	1/2"	1/2" - 14	3500	brass	STMC4	14.05	12
	3/4"	3/4" - 14	3100	brass	STMC6	27.04	12
	1"	1" - 11½	2500	brass	STMC8	38.94	1
	1/4"	1/4" - 18	6700	303 stainless	STMC2SS	55.00	5
	3/8"	3/8" - 18	5500	303 stainless	STMC3SS	66.25	5
	1/2"	1/2" - 14	3000	303 stainless	STMC4SS	92.00	5
	3/4"	3/4" - 14	3000	303 stainless	STMC6SS	160.00	5
	1"	1" - 11½	1700	303 stainless	STMC8SS	269.00	5

Standard Hose Barb Couplers	Size	Hose ID	PSI * at 70°F	Material	Part #	Price/E	Opt Qty
	1/4"	1/4"	5200	brass	2ES2-B	\$11.74	100
	3/8"	3/8"	2800	brass	3ES3-B	12.98	50
	1/2"	1/2"	2200	brass	4ES4-B	21.09	25
	3/4"	3/4"	1700	brass	6ES6-B	32.45	20
	1"	1"	1700	brass	8ES8-B	44.35	10

**SAFETY**  
ALERT


\* Operating pressures for the standard hose barbs utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose and end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon cannot assume liability for misapplication of products resulting in equipment down-time, lost production, property damage and/or personal injury including death.

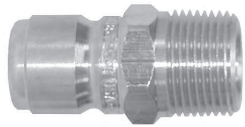
## Straight Through Quick-Connect Fittings

These plugs have no internal valves, providing maximum flow with minimum pressure drop. Interchanges with Parker-Hannifin SST/BST, Foster FST and Hansen ST couplings. See Hydraulic Profile Chart on page 671.


• Do Not Disconnect with pressure in line.



Size	Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty	Female Plugs
1/4"	1/4" - 18	5500	steel	<b>STFP2</b>	<b>\$2.62</b>	12	
3/8"	3/8" - 18	4500	steel	<b>STFP3</b>	<b>4.12</b>	12	
1/2"	1/2" - 14	3500	steel	<b>STFP4</b>	<b>5.79</b>	12	
3/4"	3/4" - 14	3100	steel	<b>STFP6</b>	<b>13.35</b>	12	
1"	1" - 11½	2500	steel	<b>STFP8</b>	<b>25.05</b>	1	
1-1/4"	1-1/4" - 11½	2500	steel	<b>STFP10</b>	<b>58.41</b>	1	
1-1/2"	1-1/2" - 11½	2500	steel	<b>STFP12</b>	<b>93.90</b>	1	
2"	2" - 11½	2500	steel	<b>STFP16</b>	<b>120.10</b>	1	
1/4"	1/4" - 18	3800	brass	<b>STFP2B</b>	<b>4.85</b>	12	
3/8"	3/8" - 18	2700	brass	<b>STFP3B</b>	<b>6.15</b>	12	
1/2"	1/2" - 14	2200	brass	<b>STFP4B</b>	<b>9.10</b>	12	
3/4"	3/4" - 14	1700	brass	<b>STFP6B</b>	<b>14.40</b>	12	
1"	1" - 11½	1200	brass	<b>STFP8B</b>	<b>27.20</b>	1	
1/4"	1/4" - 18	6700	303 stainless	<b>STFP2SS</b>	<b>16.40</b>	5	
3/8"	3/8" - 18	5500	303 stainless	<b>STFP3SS</b>	<b>19.25</b>	5	
1/2"	1/2" - 14	3000	303 stainless	<b>STFP4SS</b>	<b>44.00</b>	5	
3/4"	3/4" - 14	3000	303 stainless	<b>STFP6SS</b>	<b>66.00</b>	5	
1"	1" - 11½	1700	303 stainless	<b>STFP8SS</b>	<b>119.00</b>	5	

Size	Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty	Male Plugs
1/4"	1/4" - 18	5500	steel	<b>STMP2</b>	<b>\$2.62</b>	12	
3/8"	3/8" - 18	4500	steel	<b>STMP3</b>	<b>4.12</b>	12	
1/2"	1/2" - 14	3500	steel	<b>STMP4</b>	<b>5.79</b>	12	
3/4"	3/4" - 14	3100	steel	<b>STMP6</b>	<b>13.35</b>	12	
1"	1" - 11½	2500	steel	<b>STMP8</b>	<b>25.05</b>	1	
1-1/4"	1-1/4" - 11½	2500	steel	<b>STMP10</b>	<b>65.50</b>	1	
1-1/2"	1-1/2" - 11½	2500	steel	<b>STMP12</b>	<b>93.90</b>	1	
2"	2" - 11½	2500	steel	<b>STMP16</b>	<b>125.56</b>	1	
1/4"	1/4" - 18	3800	brass	<b>STMP2B</b>	<b>4.50</b>	12	
3/8"	3/8" - 18	2700	brass	<b>STMP3B</b>	<b>5.55</b>	12	
1/2"	1/2" - 14	2200	brass	<b>STMP4B</b>	<b>8.60</b>	12	
3/4"	3/4" - 14	1700	brass	<b>STMP6B</b>	<b>12.70</b>	12	
1"	1" - 11½	1200	brass	<b>STMP8B</b>	<b>24.85</b>	1	
1/4"	1/4" - 18	6700	303 stainless	<b>STMP2SS</b>	<b>14.75</b>	5	
3/8"	3/8" - 18	5500	303 stainless	<b>STMP3SS</b>	<b>16.60</b>	5	
1/2"	1/2" - 14	3000	303 stainless	<b>STMP4SS</b>	<b>40.00</b>	5	
3/4"	3/4" - 14	3000	303 stainless	<b>STMP6SS</b>	<b>63.00</b>	5	
1"	1" - 11½	1700	303 stainless	<b>STMP8SS</b>	<b>126.00</b>	5	

Hydraulic Couplings

Size	Hose ID	PSI * at 70°F	Material	Part #	Price/E	Opt Qty	Standard Hose Barb Plugs
1/4"	1/4"	<b>38s00</b>	brass	<b>E2S2-B</b>	<b>\$4.87</b>	100	
3/8"	3/8"	<b>2800</b>	brass	<b>E3S3-B</b>	<b>5.95</b>	50	
1/2"	1/2"	<b>2200</b>	brass	<b>E4S4-B</b>	<b>11.36</b>	25	
3/4"	3/4"	<b>1700</b>	brass	<b>E6S6-B</b>	<b>14.88</b>	20	
1"	1"	<b>1700</b>	brass	<b>E8S8-B</b>	<b>32.45</b>	10	
1/4"	1/4"	<b>5200</b>	steel	<b>E2S2</b>	<b>5.68</b>	100	
3/8"	3/8"	<b>2800</b>	steel	<b>E3S3</b>	<b>7.35</b>	50	
1/2"	1/2"	<b>2200</b>	steel	<b>E4S4</b>	<b>13.80</b>	25	
3/4"	3/4"	<b>1700</b>	steel	<b>E6S6</b>	<b>17.47</b>	20	
1"	1"	<b>1700</b>	steel	<b>E8S8</b>	<b>34.94</b>	10	

\* Operating pressures for the standard hose barbs utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose and end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon cannot assume liability for misapplication of products resulting in equipment down-time, lost production, property damage and/or personal injury including death.



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## Steel Flow Control Valves

### Series F

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, the heavy-duty poppet/retainer permits full-flow return capacity. Exclusive color-coded reference scale on the adjusting knob greatly simplifies flow setting, resetting, adjusting and return to an original flow. A simple set screw locks the valve on any desired setting.

- maximum operating pressure: **5000 PSI** at 70°F for 1/8" - 1/2", **3000 PSI** at 70°F for 3/4" - 2"
- also available in brass, see page 140



Thread Size	Black Oxide Steel	
	Part #	Price/E
1/8"	<b>SFC200</b>	<b>\$62.10</b>
1/4"	<b>SFC400</b>	<b>72.20</b>
3/8"	<b>SFC600</b>	<b>89.20</b>
1/2"	<b>SFC800</b>	<b>120.15</b>
3/4"	<b>SFC1200</b>	<b>171.15</b>
1"	<b>SFC1600</b>	<b>525.75</b>
1 1/2"	<b>SFC2400</b>	<b>1370.65</b>
2"	<b>SFC3200</b>	<b>2718.10</b>

### Series PF

Utilizes a ball type check that meters the flow of hydraulic oil in one direction and allows for free flow in the reverse direction. Recommended for use in non-shock applications.

- maximum operating pressure: **5000 PSI** at 70°F, **5 PSI** cracking pressure
- also available in brass, see page 140



Thread Size	Zinc Plated Steel with a dichromate seal	
	Part #	Price/E
1/4"	<b>SPF400</b>	<b>\$53.30</b>
3/8"	<b>SPF600</b>	<b>71.00</b>
1/2"	<b>SPF800</b>	<b>92.35</b>

### Series N

Ideal for use as speed controls on hydraulic systems where a reverse flow check valve is not needed. Provides excellent control and reliable shutoff in a very small envelope. Color-coded reference scale on the adjusting knob simplifies setting, resetting, adjusting and quick return to a previous speed setting.

- maximum operating pressure: **5000 PSI** at 70°F for 1/8" - 3/4", **3000 PSI** at 70°F for 1" - 1 1/4"
- also available in brass, see page 140



Thread Size	Steel	
	Part #	Price/E
1/8"	<b>SN200</b>	<b>\$65.90</b>
1/4"	<b>SN400</b>	<b>74.95</b>
3/8"	<b>SN600</b>	<b>90.15</b>
1/2"	<b>SN800</b>	<b>115.65</b>
3/4"	<b>SN1200</b>	<b>153.95</b>
1"	<b>SN1600</b>	<b>655.90</b>
1 1/4"	<b>SN2000</b>	<b>905.00</b>

### Series MV

With these high-precision metering and shutoff valves, you can readily make fine adjustments and reset with the exclusive color code 5000 that shows when you reach the desired setting.

- body components are precision-turned from solid barstock
- all models have 416 stainless steel needles
- maximum operating pressure: **5000 PSI** at 70°F



Thread Size	Steel	
	Part #	Price/E
1/4"	<b>SMV400</b>	<b>\$74.05</b>
3/8"	<b>SMV600</b>	<b>157.10</b>
1/2"	<b>SMV800</b>	<b>197.70</b>

## Series C Check Valves

Provides free flow in one direction and dependable shutoff in the opposite direction.

- maximum operating pressure: **5000 PSI** at 70°F, **5 PSI** cracking pressure
- also available in brass, see page 139

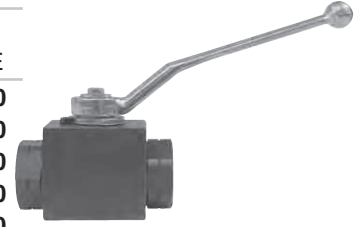


Thread Size	Free Flow GPM	Steel	
		Part #	Price/E
1/8"	3	<b>SCV200</b>	<b>\$50.25</b>
1/4"	5	<b>SCV400</b>	<b>55.20</b>
3/8"	8	<b>SCV600</b>	<b>64.15</b>
1/2"	15	<b>SCV800</b>	<b>74.35</b>

## High Pressure Full-Bore Ball Valves

- blow out proof stem
- Viton® shaft seals
- rugged construction
- female thread

Size	PSI at 70°F	Carbon Steel				PSI	316 Stainless Steel		
		NPTF Part #	Price/E	SAE Part #	Price/E		NPTF Part #	Price/E	
1/4"	7350	<b>HPBV25</b>	<b>\$63.90</b>	<b>HPBV25SAE</b>	<b>\$71.65</b>	7250	<b>HPBV25SS</b>	<b>\$427.50</b>	
3/8"	7350	<b>HPBV38</b>	<b>67.80</b>	<b>HPBV38SAE</b>	<b>80.70</b>	7250	<b>HPBV38SS</b>	<b>497.50</b>	
1/2"	7350	<b>HPBV12</b>	<b>73.70</b>	<b>HPBV12SAE</b>	<b>87.10</b>	7250	<b>HPBV12SS</b>	<b>595.00</b>	
3/4"	5880	<b>HPBV34</b>	<b>145.05</b>	<b>HPBV34SAE</b>	<b>162.20</b>	5800	<b>HPBV34SS</b>	<b>1027.90</b>	
1"	5145	<b>HPBV10</b>	<b>173.10</b>	<b>HPBV10SAE</b>	<b>190.00</b>	5075	<b>HPBV10SS</b>	<b>1212.80</b>	
1¼"	5880	<b>HPBV125</b>	<b>452.90</b>	<b>HPBV125SAE</b>	<b>490.20</b>	---	---	---	
1½"	5880	<b>HPBV150</b>	<b>548.90</b>	<b>HPBV150SAE</b>	<b>583.00</b>	---	---	---	
2"	5880	<b>HPBV200</b>	<b>831.00</b>	<b>HPBV200SAE</b>	<b>870.00</b>	---	---	---	



## Mini Needle Valves

Mini needle valves are available in a variety of materials, and handle options. A Viton® O-ring seal and a Teflon® back-up ring below the threads protects the mini valve from corrosion and galling. The stem threads are rolled for strength and ease of operation, and the metal-to-metal hard seat design is 100% helium leak tested to 1 x 10<sup>-4</sup> ml/s at 200 PSI on each mini valve.

- 1/8" and 1/4":  
orifice size: 0.172"  
flow coefficient: 0.42
- 1/2":  
orifice size: 0.187"  
flow coefficient: 0.44
- O-ring seal: Viton®
- back-up ring: Teflon®


NPT Size	Handle Style	PSI at 70°F	Material	Part #	Price/E	Male to Female
1/8" - 27	knurled knob	<b>6000</b>	<i>brass</i>	<b>MFB101</b>	<b>\$53.70</b>	
1/4" - 18	knurled knob	<b>6000</b>	<i>brass</i>	<b>MFB102</b>	<b>53.70</b>	
1/8" - 27	T design	<b>10000</b>	<i>nickel plated steel</i>	<b>MFC101</b>	<b>44.40</b>	
1/4" - 18	T design	<b>10000</b>	<i>nickel plated steel</i>	<b>MFC102</b>	<b>44.40</b>	
1/2" - 14	T design	<b>10000</b>	<i>nickel plated steel</i>	<b>MFC404</b>	<b>62.40</b>	
1/8" - 27	T design	<b>10000</b>	<i>316 stainless steel</i>	<b>MFS101</b>	<b>102.20</b>	
1/4" - 18	T design	<b>10000</b>	<i>316 stainless steel</i>	<b>MFS102</b>	<b>102.20</b>	
1/2" - 14	T design	<b>10000</b>	<i>316 stainless steel</i>	<b>MFS404</b>	<b>158.80</b>	


NPT Size	Handle Style	PSI at 70°F	Material	Part #	Price/E	Female to Female
1/8" - 27	knurled knob	<b>6000</b>	<i>brass</i>	<b>FFB101</b>	<b>\$53.70</b>	
1/4" - 18	knurled knob	<b>6000</b>	<i>brass</i>	<b>FFB102</b>	<b>53.70</b>	
1/8" - 27	T design	<b>10000</b>	<i>nickel plated steel</i>	<b>FFC101</b>	<b>44.40</b>	
1/4" - 18	T design	<b>10000</b>	<i>nickel plated steel</i>	<b>FFC102</b>	<b>44.40</b>	
1/2" - 14	T design	<b>10000</b>	<i>nickel plated steel</i>	<b>FFC404</b>	<b>59.55</b>	
1/8" - 27	T design	<b>10000</b>	<i>316 stainless steel</i>	<b>FFS101</b>	<b>102.20</b>	
1/4" - 18	T design	<b>10000</b>	<i>316 stainless steel</i>	<b>FFS102</b>	<b>102.20</b>	
1/2" - 14	T design	<b>10000</b>	<i>316 stainless steel</i>	<b>FFS404</b>	<b>150.00</b>	

Hydraulic Couplings

## Industrial Hydraulic Quick-Connect Fittings

- The Industrial Quick Connect series features poppet style shut-off valves in both the coupler and the plug.
- designed to prevent fluid loss when the coupler is disconnected
- meets dimensional requirements of Series B in ISO 7241-1
- interchangeable with Parker-Hannifin 60 series
- seal material is Buna-N
- Contact the factory if you intend to use the fittings on a compressed air system.
- see Hydraulic Profile Chart on page 671


<b>Poppet Valve Couplers</b>	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/4"	1/4" - 18	<b>5000</b>	steel	<b>16-263</b>	<b>\$27.50</b>	5
	3/8"	3/8" - 18	<b>4000</b>	steel	<b>16-363</b>	<b>34.25</b>	5
	1/2"	1/2" - 14	<b>4000</b>	steel	<b>16-463</b>	<b>50.00</b>	5
	3/4"	3/4" - 14	<b>2500</b>	steel	<b>16-663</b>	<b>75.00</b>	5
	1"	1" - 11½	<b>2000</b>	steel	<b>16-863</b>	<b>100.00</b>	5
	1/4"	1/4" - 18	<b>1000</b>	brass	<b>B16-263</b>	<b>30.50</b>	5
	3/8"	3/8" - 18	<b>1000</b>	brass	<b>B16-363</b>	<b>41.00</b>	5
	1/2"	1/2" - 14	<b>1000</b>	brass	<b>B16-463</b>	<b>60.00</b>	5
	3/4"	3/4" - 14	<b>1000</b>	brass	<b>B16-663</b>	<b>90.70</b>	5
	1"	1" - 11½	<b>1000</b>	brass	<b>B16-863</b>	<b>125.50</b>	5
	1/4"	1/4" - 18	<b>2000</b>	303 stainless	<b>SS16-263</b>	<b>71.00</b>	5
	3/8"	3/8" - 18	<b>1500</b>	303 stainless	<b>SS16-363</b>	<b>111.40</b>	5
	1/2"	1/2" - 14	<b>1500</b>	303 stainless	<b>SS16-463</b>	<b>172.10</b>	5
	3/4"	3/4" - 14	<b>1500</b>	303 stainless	<b>SS16-663</b>	<b>228.95</b>	5
	1"	1" - 11½	<b>1000</b>	303 stainless	<b>SS16-863</b>	<b>367.00</b>	5

<b>Poppet Valve Plugs</b>	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/4"	1/4" - 18	<b>5000</b>	steel	<b>17-263</b>	<b>\$11.60</b>	5
	3/8"	3/8" - 18	<b>4000</b>	steel	<b>17-363</b>	<b>15.70</b>	5
	1/2"	1/2" - 14	<b>4000</b>	steel	<b>17-463</b>	<b>20.50</b>	5
	3/4"	3/4" - 14	<b>2500</b>	steel	<b>17-663</b>	<b>30.50</b>	5
	1"	1" - 11½	<b>2000</b>	steel	<b>17-863</b>	<b>42.00</b>	5
	1/4"	1/4" - 18	<b>1000</b>	brass	<b>B17-263</b>	<b>13.25</b>	5
	3/8"	3/8" - 18	<b>1000</b>	brass	<b>B17-363</b>	<b>18.40</b>	5
	1/2"	1/2" - 14	<b>1000</b>	brass	<b>B17-463</b>	<b>22.35</b>	5
	3/4"	3/4" - 14	<b>1000</b>	brass	<b>B17-663</b>	<b>34.00</b>	5
	1"	1" - 11½	<b>1000</b>	brass	<b>B17-863</b>	<b>45.80</b>	5
	1/4"	1/4" - 18	<b>2000</b>	303 stainless	<b>SS17-263</b>	<b>29.75</b>	5
	3/8"	3/8" - 18	<b>1500</b>	303 stainless	<b>SS17-363</b>	<b>44.00</b>	5
	1/2"	1/2" - 14	<b>1500</b>	303 stainless	<b>SS17-463</b>	<b>57.70</b>	5
	3/4"	3/4" - 14	<b>1500</b>	303 stainless	<b>SS17-663</b>	<b>105.75</b>	5
	1"	1" - 11½	<b>1000</b>	303 stainless	<b>SS17-863</b>	<b>176.75</b>	5




## Hydraulic Fittings

**Industrial Hydraulic Quick-Connect Fittings**

Size	Material	Part #	Price/E	Opt Qty	Dust Plugs
1/4"	<i>rubber</i>	<b>16-002</b>	<b>\$3.45</b>	5	
3/8"	<i>rubber</i>	<b>16-003</b>	<b>4.10</b>	5	
1/2"	<i>rubber</i>	<b>16-004</b>	<b>4.55</b>	5	
3/4"	<i>rubber</i>	<b>16-006</b>	<b>8.45</b>	5	
1"	<i>rubber</i>	<b>16-008</b>	<b>9.85</b>	5	
1/4"	<i>aluminum</i>	<b>16-002A</b>	<b>13.40</b>	5	
3/8"	<i>aluminum</i>	<b>16-003A</b>	<b>14.25</b>	5	
1/2"	<i>aluminum</i>	<b>16-004A</b>	<b>16.70</b>	5	
3/4"	<i>aluminum</i>	<b>16-006A</b>	<b>23.75</b>	5	
1"	<i>aluminum</i>	<b>16-008A</b>	<b>64.60</b>	5	


Size	Material	Part #	Price/E	Opt Qty	Dust Caps
1/4"	<i>rubber</i>	<b>17-002</b>	<b>\$3.50</b>	5	
3/8"	<i>rubber</i>	<b>17-003</b>	<b>4.05</b>	5	
1/2"	<i>rubber</i>	<b>17-004</b>	<b>4.30</b>	5	
3/4"	<i>rubber</i>	<b>17-006</b>	<b>9.45</b>	5	
1"	<i>rubber</i>	<b>17-008</b>	<b>9.55</b>	5	
1/4"	<i>aluminum</i>	<b>17-002A</b>	<b>13.40</b>	5	
3/8"	<i>aluminum</i>	<b>17-003A</b>	<b>14.80</b>	5	
1/2"	<i>aluminum</i>	<b>17-004A</b>	<b>19.80</b>	5	
3/4"	<i>aluminum</i>	<b>17-006A</b>	<b>26.50</b>	5	
1"	<i>aluminum</i>	<b>17-008A</b>	<b>71.50</b>	5	

**3000 Series Hydraulic Quick-Connect Fittings**


Threaded union locking system and precision ball-type check valves are designed for extreme high pressure applications such as hydraulic rams and pumps where low flow and pressures up to 10,000 PSI are encountered. Interchanges with Parker 3000, Bruning IP 370 and Enerpac C 604. Seals are polyurethane. See Hydraulic Profile Chart on page 670.




Hydraulic Couplings

Size	NPT Thread	PSI at 70°F	Material	Part #	Price/E	Pkg Qty	Male Couplers
1/4"	1/4" - 18 M	<b>10,000</b>	<i>steel</i>	<b>30-200</b>	<b>\$39.50</b>	5	
3/8"	3/8" - 18 M	<b>10,000</b>	<i>steel</i>	<b>30-300</b>	<b>42.00</b>	5	


  

Size	NPT Thread	PSI at 70°F	Material	Part #	Price/E	Pkg Qty	Female Coupler
3/8"	3/8" - 18 F	<b>10,000</b>	<i>steel</i>	<b>30-300F</b>	<b>\$46.00</b>	5	


  

Size	NPT Thread	PSI at 70°F	Material	Part #	Price/E	Pkg Qty	Plugs
1/4"	1/4" - 18	<b>10,000</b>	<i>steel</i>	<b>31-200</b>	<b>\$23.50</b>	5	
3/8"	3/8" - 18	<b>10,000</b>	<i>steel</i>	<b>31-300</b>	<b>23.50</b>	5	

Size	Material	Part #	Price/E	Pkg Qty	Screw Type Dust Plugs
1/4"	<i>steel</i>	<b>30-200DP</b>	<b>\$10.20</b>	5	
3/8"	<i>steel</i>	<b>30-300DP</b>	<b>9.70</b>	5	



  

Size	Material	Part #	Price/E	Pkg Qty	Screw Type Dust Caps
1/4"	<i>steel</i>	<b>31-200DC</b>	<b>\$10.90</b>	5	
3/8"	<i>steel</i>	<b>31-300DC</b>	<b>12.40</b>	5	

## Agricultural Hydraulic Quick-Connect Fittings


The Agricultural Quick-Connect features ball style shut-off valves in both the coupler and the plug. Agricultural series couplers are used on construction equipment, farm implements and most other mobile equipment. The International Standard Organization (ISO) has adopted specifications regarding dimensions and interchangeability. Interchangeable with Pioneer 4000 series, Safeway Agricultural series and ISO5675. See Hydraulic Profile Chart on page 671.

### FTP Fittings



FTP Ball Valve Couplers	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/4"	1/4" - 18	<b>2500</b>	steel	<b>18-200</b> <sup>1</sup>	<b>\$28.45</b>	5
	3/8"	3/8" - 18	<b>2500</b>	steel	<b>18-300</b> <sup>1</sup>	<b>37.60</b>	5
	1/2"	1/2" - 14	<b>2500</b>	steel	<b>18-400</b>	<b>28.40</b>	5
	1/2"	3/4" - 14	<b>2500</b>	steel	<b>18-600</b>	<b>39.90</b>	5
	3/4"	3/4" - 14	<b>2500</b>	steel	<b>18-660</b>	<b>71.30</b>	5
	1"	1" - 11½"	<b>2500</b>	steel	<b>18-800</b> <sup>1</sup>	<b>88.55</b>	5
FTP Ball Valve Plugs	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/4"	1/4" - 18	<b>2500</b>	steel	<b>19-200</b> <sup>1</sup>	<b>\$13.90</b>	10
	3/8"	3/8" - 18	<b>2500</b>	steel	<b>19-300</b> <sup>1</sup>	<b>18.65</b>	10
	1/2"	1/2" - 14	<b>2500</b>	steel	<b>19-400</b>	<b>13.00</b>	10
	1/2"	3/4" - 14	<b>2500</b>	steel	<b>19-600</b>	<b>20.95</b>	10
	3/4"	3/4" - 14	<b>2500</b>	steel	<b>19-660</b>	<b>24.50</b>	10
	1"	1" - 11½"	<b>2500</b>	steel	<b>19-800</b> <sup>1</sup>	<b>49.60</b>	10

<sup>1</sup> have a poppet valve with soft seat design

### ORB Fittings


ORB Ball Valve Coupler	Size	ORB Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/2"	3/4" - 16	<b>2500</b>	steel	<b>18-415</b>	<b>\$30.00</b>	5
ORB Ball Valve Plug	Size	ORB Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/2"	3/4" - 16	<b>2500</b>	steel	<b>19-415</b>	<b>\$13.55</b>	5

### Dust Plugs and Caps

Dust Plugs	Size	Material	Part #	Price/E	Opt Qty
	1/4"	rubber	<b>18-002</b>	<b>\$4.50</b>	10
	3/8"	rubber	<b>18-003</b>	<b>6.50</b>	10
	1/2"	rubber	<b>18-004</b> <sup>2</sup>	<b>8.95</b>	10
	3/4"	rubber	<b>18-006</b>	<b>9.50</b>	10
	1"	rubber	<b>18-008</b>	<b>10.95</b>	10
<sup>2</sup> has chain design					
Dust Caps	Size	Material	Part #	Price/E	Opt Qty
	1/4"	rubber	<b>19-002</b>	<b>\$4.55</b>	10
	3/8"	rubber	<b>19-003</b>	<b>5.30</b>	10
	1/2"	rubber	<b>19-004</b>	<b>7.30</b>	10
	3/4"	rubber	<b>19-006</b>	<b>13.20</b>	10
	1"	rubber	<b>19-008</b>	<b>15.10</b>	10

## 7800 Series Hydraulic Thread-to-Connect Fittings

Designed for applications requiring a coupling that can be connected under 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. Interchanges with Aeroquip 5100 series, Parker 6100 series and Snap-Tite 78 series. See Hydraulic Profile Chart on page 670.

Size	NPT Thread	PSI at 70°F	Material		Part #	Price/E	Opt Qty	Couplers
			Body	Nut				
3/4"	3/4" - 14	<b>3000</b>	<i>brass</i>	<i>iron</i>	<b>78-600</b>	<b>\$77.25</b>	5	
1"	1" - 11½	<b>3000</b>	<i>brass</i>	<i>iron</i>	<b>78-800</b>	<b>94.76</b>	5	
1-1/4"	1-1/4" - 11½	<b>2750</b>	<i>brass</i>	<i>iron</i>	<b>78-1000</b>	<b>173.04</b>	5	
1-1/2"	1-1/2" - 11½	<b>2500</b>	<i>brass</i>	<i>iron</i>	<b>78-1200</b>	<b>206.00</b>	1	

Size	NPT Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty	Plugs
1"	1" - 11½	<b>3000</b>	<i>brass</i>	<b>79-800</b>	<b>58.71</b>	5	
1-1/4"	1-1/4" - 11½	<b>2750</b>	<i>brass</i>	<b>79-1000</b>	<b>121.54</b>	5	
1-1/2"	1-1/2" - 11½	<b>2500</b>	<i>brass</i>	<b>79-1200</b>	<b>206.00</b>	1	

Size	Material	Part #	Price/E	Opt Qty	Flanges
1"	<i>steel</i>	<b>77-800</b>	<b>6.18</b>	2	
1-1/4"	<i>steel</i>	<b>77-1000</b>	<b>8.24</b>	2	
1-1/2"	<i>steel</i>	<b>77-1200</b>	<b>10.30</b>	2	

Size	Material	Part #	Price/E	Opt Qty	Screw Type Dust Plugs
1"	<i>brass</i>	<b>78-008</b>	<b>19.50</b>	1	
1-1/4"	<i>brass</i>	<b>78-010</b>	<b>28.00</b>	1	
1-1/2"	<i>brass</i>	<b>78-012</b>	<b>50.00</b>	1	

Size	Material	Part #	Price/E	Opt Qty	Screw Type Dust Caps
1"	<i>brass</i>	<b>79-008</b>	<b>17.00</b>	1	
1-1/4"	<i>brass</i>	<b>79-010</b>	<b>26.40</b>	1	
1-1/2"	<i>brass</i>	<b>79-012</b>	<b>46.00</b>	1	


Hydraulic  
Couplings




**WS Series Fittings**

Extensively used in oil field and off shore oil rig applications. The WS series interchanges with Snap-Tite 75 series.


**High Pressure**


Couplers	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	3/4"	3/4" - 14	<b>5,000</b>	steel	<b>6WSF6</b>	<b>\$154.23</b>	5
	1"	1" - 11½	<b>5,000</b>	steel	<b>8WSF8</b>	<b>231.34</b>	5
	1-1/4"	1-1/4" - 11½	<b>5,000</b>	steel	<b>10WSF10</b>	<b>391.23</b>	1
	1-1/2"	1-1/2" - 11½	<b>5,000</b>	steel	<b>12WSF12</b>	<b>578.34</b>	1
	2"	2" - 11½	<b>5,000</b>	steel	<b>16WSF16</b>	<b>827.82</b>	1

Plugs	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	3/4"	3/4" - 14	<b>5,000</b>	steel	<b>WS6F6</b>	<b>\$141.75</b>	5
	1"	1" - 11½	<b>5,000</b>	steel	<b>WS8F8</b>	<b>170.10</b>	5
	1-1/4"	1-1/4" - 11½	<b>5,000</b>	steel	<b>WS10F10</b>	<b>311.85</b>	1
	1-1/2"	1-1/2" - 11½	<b>5,000</b>	steel	<b>WS12F12</b>	<b>487.62</b>	1
	2"	2" - 11½	<b>5,000</b>	steel	<b>WS16F16</b>	<b>793.80</b>	1


**Blowout Prevention Safety**


- fire tested and Lloyd's certified to 700°C (1300°F) in accordance with API 16D (Certificate #NAO 060104/1/1)
- designed for hazardous area service where couplings are required to operate under fire conditions in an emergency
- Sleeve is cast using a unique process that provides better surface finishes, tighter tolerance control, and excellent repeatability.
- Blowout Prevention Couplings are individually marked with the BOP series designation.

Couplers	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	3/4"	3/4" - 14	<b>5,000</b>	steel	<b>6WSF6-BOP</b>	<b>\$226.80</b>	5
	1"	1" - 11½	<b>5,000</b>	steel	<b>8WSF8-BOP</b>	<b>317.52</b>	5
	1-1/4"	1-1/4" - 11½	<b>5,000</b>	steel	<b>10WSF10-BOP</b>	<b>510.30</b>	1
	1-1/2"	1-1/2" - 11½	<b>5,000</b>	steel	<b>12WSF12-BOP</b>	<b>725.76</b>	1
	2"	2" - 11½	<b>5,000</b>	steel	<b>16WSF16-BOP</b>	<b>1020.60</b>	1

Plugs	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	3/4"	3/4" - 14	<b>5,000</b>	steel	<b>WS6F6-BOP</b>	<b>\$175.77</b>	5
	1"	1" - 11½	<b>5,000</b>	steel	<b>WS8F8-BOP</b>	<b>187.11</b>	5
	1-1/4"	1-1/4" - 11½	<b>5,000</b>	steel	<b>WS10F10-BOP</b>	<b>374.22</b>	1
	1-1/2"	1-1/2" - 11½	<b>5,000</b>	steel	<b>WS12F12-BOP</b>	<b>567.00</b>	1
	2"	2" - 11½	<b>5,000</b>	steel	<b>WS16F16-BOP</b>	<b>952.56</b>	1


**Dust Plugs and Caps**


Dust Plugs	Size	Material	Part #	Price/E	Opt Qty
	3/4"	aluminum	<b>6WSDP-A</b>	<b>\$39.00</b>	25
	1"	aluminum	<b>8WSDP-A</b>	<b>50.00</b>	10
	1-1/4"	aluminum	<b>10WSDP-A</b>	<b>70.00</b>	10
	1-1/2"	aluminum	<b>12WSDP-A</b>	<b>75.00</b>	5
	2"	aluminum	<b>16WSDP-A</b>	<b>125.00</b>	5

Dust Caps	Size	Material	Part #	Price/E	Opt Qty
	3/4"	aluminum	<b>WS6DC-A</b>	<b>\$39.00</b>	25
	1"	aluminum	<b>WS8DC-A</b>	<b>50.00</b>	10
	1-1/4"	aluminum	<b>WS10DC-A</b>	<b>70.00</b>	10
	1-1/2"	aluminum	<b>WS12DC-A</b>	<b>75.00</b>	5
	2"	aluminum	<b>WS16DC-A</b>	<b>125.00</b>	5


## 5600 Series Hydraulic Quick-Connect Fittings


The two-way check valves in the plug and socket automatically balance in flow position and provide instant shut off when disconnected. To connect, simply retract sleeve, insert plug, and release sleeve. Permits fast connection and disconnection of gas or fluid lines with minimal loss of media from either end. Interchangeable with the Aeroquip 5600, Parker 6600, and ISO A interchange. Non-valved, slotted valve and straight through units available on request. See Hydraulic Profile Chart on page 671.

Size	NPT Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty	Couplers
1/4"	1/8" - 27	5000	steel	56-100	\$42.00	5	
1/4"	1/4" - 18	5000	steel	56-200	34.50	5	
3/8"	3/8" - 18	4000	steel	56-300	42.00	5	
1/2"	1/2" - 14	4000	steel	56-400	44.00	5	
1/2"	3/4" - 14	4000	steel	56-600	59.50	5	
3/4"	3/4" - 14	4000	steel	56-660	66.80	5	
1"	1" - 11½	4000	steel	56-800	85.30	5	

Size	NPT Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty	Plugs
1/4"	1/8" - 27	5000	steel	57-100	\$16.90	5	
1/4"	1/4" - 18	5000	steel	57-200	14.90	5	
3/8"	3/8" - 18	4000	steel	57-300	20.25	5	
1/2"	1/2" - 14	4000	steel	57-400	18.50	5	
1/2"	3/4" - 14	4000	steel	57-600	33.50	5	
3/4"	3/4" - 14	4000	steel	57-660	36.30	5	
1"	1" - 11½	4000	steel	57-800	46.00	5	

Hydraulic Couplings


Size	Material	Part #	Price/E	Opt Qty	Dust Plugs
1/4"	rubber	56-002	\$5.00	5	
3/8"	rubber	56-003	5.70	5	
1/2"	rubber	56-004	5.05	5	
3/4"	rubber	56-006	11.90	5	
1"	rubber	56-008	14.70	5	


Size	Material	Part #	Price/E	Opt Qty	Dust Caps
1/4"	rubber	57-002	\$4.90	5	
3/8"	rubber	57-003	5.70	5	
1/2"	rubber	57-004	5.50	5	
3/4"	rubber	57-006	11.90	5	
1"	rubber	57-008	14.40	5	

## Flush Face Hydraulic Quick-Connect Fittings


Flush face valve design 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 tool performance. To reduce the possibility of accidental disconnect, a sleeve lock safety feature requires turning the collar to unlock the coupling. Conforms to ISO16028 interchange standard. Interchanges with Aeroquip FD89, Parker FE, Snap-tite 74, Faster FF and Holmbury Series A. See Hydraulic Profile Chart on page 670.


### NPTF Fittings

NPTF Couplers	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/4"	1/4" - 18	4575	steel	2HTF2	\$69.88	5
	3/8"	3/8" - 18	4375	steel	3HTF3	72.06	5
	3/8"	1/2" - 14	4375	steel	3HTF4	72.06	5
	1/2"	1/2" - 14	4250	steel	4HTF4	87.35	5
	1/2"	3/4" - 14	4250	steel	4HTF6	92.80	5
	5/8"	3/4" - 14	3650	steel	5HTF6	125.56	5
	3/4"	3/4" - 14	3650	steel	6HTF6	196.53	5
	1"	1" - 11½	3650	steel	8HTF8	272.95	5


NPTF Plugs	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/4"	1/4" - 18	4575	steel	HT2F2	\$28.39	5
	3/8"	3/8" - 18	4375	steel	HT3F3	30.58	5
	3/8"	1/2" - 14	4375	steel	HT3F4	30.58	5
	1/2"	1/2" - 14	4250	steel	HT4F4	49.14	5
	1/2"	3/4" - 14	4250	steel	HT4F6	54.59	5
	5/8"	3/4" - 14	3650	steel	HT5F6	69.88	5
	3/4"	3/4" - 14	3650	steel	HT6F6	89.53	5
	1"	1" - 11½	3650	steel	HT8F8	169.23	5


### SAE/ORB Fittings

SAE/ORB Couplers	Size	ORB Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/2"	7/8" - 14	4250	steel	4HTOF5	\$92.80	5
	1/2"	1-1/16" - 12	4250	steel	4HTOF6	92.80	--

SAE/ORB Plugs	Size	ORB Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/2"	7/8" - 14	4250	steel	HT4OF5	\$54.59	5
	1/2"	1-1/16" - 12	4250	steel	HT4OF6	54.59	--

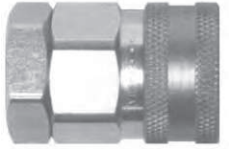
### Dust Plugs and Caps


Dust Plugs	Size	Material	Part #	Price/E	Opt Qty
	3/8"	rubber	3HTDP	\$8.09	10
	1/2"	rubber	4HTDP	10.71	10
	5/8"	rubber	5HTDP	12.60	10
	3/4"	rubber	6HTDP	13.55	10
	1"	rubber	8HTDP	15.54	10

Dust Caps	Size	Material	Part #	Price/E	Opt Qty
	3/8"	rubber	HT3DC	\$8.09	10
	1/2"	rubber	HT4DC	10.71	10
	5/8"	rubber	HT5DC	12.60	10
	3/4"	rubber	HT6DC	13.55	10
	1"	rubber	HT8DC	15.54	10

## VH Series Hydraulic Quick-Connect Fittings


General purpose hydraulic quick-connect provides superior flow characteristics with built-in reliability. VH Series interchanges with Snap-tite H Series. Standard seal is Buna-N. See Hydraulic Profile Chart on page 670.


Size	NPT Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty	Couplers
1/4"	1/4" - 18	6500	steel	<b>VHC200</b>	<b>\$22.99</b>	5	
3/8"	3/8" - 18	4500	steel	<b>VHC300</b>	<b>31.35</b>	5	
1/2"	1/2" - 14	4000	steel	<b>VHC400</b>	<b>38.12</b>	5	
3/4"	3/4" - 14	3500	steel	<b>VHC600</b>	<b>58.99</b>	5	
1"	1" - 11½	2000	steel	<b>VHC800</b>	<b>91.65</b>	5	
1-1/4"	1-1/4" - 11½	1750	steel	<b>VHC1000</b>	<b>217.19</b>	1	
1-1/2"	1-1/2" - 11½	1500	steel	<b>VHC1200</b>	<b>300.32</b>	1	
2"	2" - 11½	1500	steel	<b>VHC1600</b>	<b>571.10</b>	1	
1/4"	1/4" - 18	2250	brass	<b>VHC200B</b>	<b>28.79</b>	5	
3/8"	3/8" - 18	2250	brass	<b>VHC300B</b>	<b>37.44</b>	5	
1/2"	1/2" - 14	2000	brass	<b>VHC400B</b>	<b>54.85</b>	5	

Size	NPT Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty	Plugs
1/4"	1/4" - 18	6500	steel	<b>VHN200</b>	<b>\$15.75</b>	5	
3/8"	3/8" - 18	4500	steel	<b>VHN300</b>	<b>19.65</b>	5	
1/2"	1/2" - 14	4000	steel	<b>VHN400</b>	<b>23.48</b>	5	
3/4"	3/4" - 14	3500	steel	<b>VHN600</b>	<b>35.20</b>	5	
1"	1" - 11½	2000	steel	<b>VHN800</b>	<b>56.27</b>	5	
1-1/4"	1-1/4" - 11½	1750	steel	<b>VHN1000</b>	<b>176.37</b>	1	
1-1/2"	1-1/2" - 11½	1500	steel	<b>VHN1200</b>	<b>216.59</b>	1	
2"	2" - 11½	1500	steel	<b>VHN1600</b>	<b>412.88</b>	1	
1/4"	1/4" - 18	2250	brass	<b>VHN200B</b>	<b>20.52</b>	5	
3/8"	3/8" - 18	2250	brass	<b>VHN300B</b>	<b>28.79</b>	5	
1/2"	1/2" - 14	2000	brass	<b>VHN400B</b>	<b>38.30</b>	5	




Hydraulic Couplings


Size	Material	Part #	Price/E	Opt Qty	Dust Plugs
1/4"	rubber	<b>VHCN002</b>	<b>\$5.70</b>	10	
3/8"	rubber	<b>VHC003</b>	<b>5.70</b>	10	
1/2"	rubber	<b>VHC004</b>	<b>6.20</b>	10	
3/4"	rubber	<b>VHC006</b>	<b>6.20</b>	10	
1"	rubber	<b>VHC008</b>	<b>11.70</b>	10	
1-1/4"	aluminum	<b>VHC010</b>	<b>69.00</b>	10	
1-1/2"	aluminum	<b>VHC012</b>	<b>141.00</b>	10	
2"	aluminum	<b>VHC016</b>	<b>240.00</b>	10	

Size	Material	Part #	Price/E	Opt Qty	Dust Caps
1/4"	rubber	<b>VHCN002</b>	<b>\$5.70</b>	10	
3/8"	rubber	<b>VHN003</b>	<b>5.70</b>	10	
1/2"	rubber	<b>VHN004</b>	<b>6.20</b>	10	
3/4"	rubber	<b>VHN006</b>	<b>6.20</b>	10	
1"	rubber	<b>VHN008</b>	<b>11.70</b>	10	
1-1/4"	aluminum	<b>VHN010</b>	<b>85.50</b>	10	
1-1/2"	aluminum	<b>VHN012</b>	<b>164.50</b>	10	
2"	aluminum	<b>VHN016</b>	<b>205.50</b>	10	

## Hydraulic Water-Blast Quick Fittings

- plug mounted sleeve guard protects against accidental disconnection
- smooth bore full-flow design ensures maximum flow with minimal pressure drop
- Steel body components maximize service life by resisting the effects of brinneling and internal erosion.
- Heavy duty knurled sleeve with locking pin provides maximum protection against brinneling and accidental disconnection.

Couplers	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/2"	3/8" - 18	<b>10000</b>	steel	<b>4EAF3</b>	<b>\$117.98</b>	25
	1/2"	1/2" - 14	<b>10000</b>	steel	<b>4EAF4</b>	<b>117.98</b>	25

Plugs	Size	NPTF Thread	PSI at 70°F	Material	Part #	Price/E	Opt Qty
	1/2"	3/8" - 18	<b>10000</b>	steel	<b>EA4F3</b>	<b>\$25.51</b>	25
	1/2"	1/2" - 14	<b>10000</b>	steel	<b>EA4F4</b>	<b>31.91</b>	25

## Hydraulic Suction and Return Line Hose Fittings

- designed and machined for hydraulic suction line applications using SAE100R4 hydraulic hose
- barbs provide easy assembly and maximum gripping action

### Stems

#### male NPTF stem



Hose ID	Male NPTF	Plated Steel	
		Part #	Price/E
3/4"	3/4"-14	<b>188-12</b>	<b>\$12.90</b>
1"	1"-11½	<b>188-16</b>	<b>29.25</b>
1-1/4"	1-1/4"-11½	<b>188-20</b>	<b>55.25</b>
1-1/2"	1-1/2"-11½	<b>188-24</b>	<b>68.00</b>
2"	2"-11½	<b>188-32</b>	<b>104.00</b>

#### female SAE (JIC) 37° swivel stem



Hose ID	Female SAE	Plated Steel	
		Part #	Price/E
3/4"	1-1/16"-12	<b>688-12</b>	<b>\$18.00</b>
1"	1-5/16"-12	<b>688-16</b>	<b>34.50</b>
1-1/4"	1-5/8"-12	<b>688-20</b>	<b>74.25</b>
1-1/2"	1-7/8"-12	<b>688-24</b>	<b>81.00</b>
2"	2-1/2"-12	<b>688-32</b>	<b>171.00</b>

Note: return line clamps must be used with these fittings.

### Clamps

- measure hose OD accurately before ordering clamps
- Torque values for clamps are based on dry bolts.  
The use of lubricant on bolts will adversely effect clamp performance.
- Consult Dixon when using double bolt clamps on helical wire hose.

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#### without saddles



Hose ID	Hose OD		Zinc Plated Iron		Opt Qty	Torque in ft. lbs.
	from	to	Part #	Price/E		
3/4"	1-8/64"	1-12/64"	<b>J48</b>	<b>\$6.90</b>	100	15
1"	1-40/64"	1-52/64"	<b>DL14</b>	<b>12.90</b>	25	40
1-1/4"	1-48/64"	2-3/64"	<b>DL20</b>	<b>12.70</b>	25	27
1-1/2"	2-7/64"	2-19/64"	<b>DL24</b> <sup>1</sup>	<b>12.70</b>	25	27
2"	2-20/64"	2-40/64"	<b>DL32</b> <sup>1</sup>	<b>13.70</b>	25	40

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



## Hydraulic Hose Couplings Stems

NPTF Size	Plated Steel	
	Part #	Price/E
3/8"	<b>MSC</b>	<b>\$6.20</b>
1/2"	<b>HY4</b>	<b>16.00</b>
3/4"	<b>MS6</b>	<b>9.80</b>
1"	<b>HY8</b>	<b>23.55</b>



NPTF Size	Plated Iron	
	Part #	Price/E
1-1/4"	<b>HY10</b>	<b>\$35.60</b>
1-1/2"	<b>HY12</b>	<b>40.80</b>
2"	<b>HY16</b>	<b>46.85</b>



Note: stems have a collar behind the hex to engage fingers

## Clamps

- for use only on 1 wire hydraulic hoses

Size	Hose OD		Plated Iron		Torque in ft. lbs.
	from	to	Part #	Price/E	
3/8"	48/64"	50/64"	<b>HD1-3</b>	<b>\$17.20</b>	12
1/2"	56/64"	60/64"	<b>HD1-4</b>	<b>17.70</b>	18
3/4"	1-10/64"	1-14/64"	<b>HD1-6</b>	<b>21.65</b>	18
1"	1-29/64"	1-35/64"	<b>HD1-8</b>	<b>26.10</b>	36



- for use only on 2 wire hydraulic hoses

Size	Hose OD		Plated Iron		Torque in ft. lbs.
	from	to	Part #	Price/E	
3/8"	52/64"	56/64"	<b>HD2-3</b>	<b>\$15.00</b>	12
1/2"	60/64"	1"	<b>HD2-4</b>	<b>19.60</b>	18
3/4"	1-14/64"	1-18/64"	<b>HD2-6</b>	<b>19.50</b>	18
1"	1-33/64"	1-39/64"	<b>HD2-8</b>	<b>30.25</b>	36



- for use on hydraulic hose with 1, 2 or 4 wire braids or spiral plies

Size	Hose OD		Plated Iron		Torque in ft. lbs.
	from	to	Part #	Price/E	
1-1/4"	1-48/64"	2"	<b>HD2-9</b>	<b>\$40.00</b>	64
1-1/4"	2"	2-8/64"	<b>HD2-10</b>	<b>36.75</b>	64
1-1/2"	2-12/64"	2-18/64"	<b>HD2-11</b>	<b>36.75</b>	64
1-1/2"	2-16/64"	2-20/64"	<b>HD2-12</b>	<b>38.50</b>	64
2"	2-36/64"	2-48/64"	<b>HD2-15</b>	<b>58.30</b>	90
2"	2-48/64"	2-58/64"	<b>HD2-16</b>	<b>59.40</b>	90



- 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.

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Size	Hose OD		Plated Iron		Torque in ft. lbs.
	from	to	Part #	Price/E	
3/8"	50/64"	52/64"	<b>HRC-037</b>	<b>\$16.55</b>	18
1/2"	57/64"	1"	<b>HRC-050</b>	<b>20.60</b>	18
3/4"	1-16/64"	1-20/64"	<b>HRC-075</b>	<b>17.85</b>	36
1"	1-37/64"	1-41/64"	<b>HRC-100</b>	<b>21.70</b>	64
1-1/4"	1-54/64"	1-62/64"	<b>HRC-125</b>	<b>38.85</b>	90
1-1/2"	2-10/64"	2-18/64"	<b>HRC-150</b>	<b>37.00</b>	90
2"	2-43/64"	2-52/64"	<b>HRC-200</b>	<b>48.20</b>	90



Hydraulic  
Couplings

## Hydraulic Flange Adapters

Flange adapters for hydraulic systems make installation of components easier, especially in applications with limited space. Flanges are constructed with an O-ring seal to eliminate leakage. Flange adapters vary in size and are divided into Code 61 or Code 62. Pressures listed are at 70°F.

### Pressure Ratings of SAE Flanges

Code 61 SAE J518-1 / ISO 6162-1						Code 62 SAE J518-2 / ISO 6162-2					
Dash Size	Inch Size	Max Working Pressure		Fastener Torque Value		Dash Size	Inch Size	Max Working Pressure		Fastener Torque Value	
		PSI	MPa	Grade 8 UNC (lb-ft)	Grade 10.9 Metric (N-m)			PSI	MPa	Grade 8 UNC (lb-ft)	Grade 10.9 Metric (N-m)
-8	1/2"	5000	35	24	32	-8	1/2"	6000	40	24	32
-12	3/4"	5000	35	44	70	-12	3/4"	6000	40	44	70
-16	1"	4600	32	44	70	-16	1"	6000	40	68	130
-20	1 1/4"	4000	28	68	70	-20	1 1/4"	6000	40	111	130
-24	1 1/2"	3000	21	111	130	-24	1 1/2"	6000	40	218	295
-32	2"	3000	21	111	130	-32	2"	6000	40	332	550
-40	2 1/2"	2500	17.5	111	130						
-48	3"	2300	16	218	295						
-56	3 1/2"	500	3.5	218	295						
-64	4"	500	3.5	218	295						
-80	5"	500	3.5	218	295						

## Hydraulic 4-Bolt Flanges

- code 61 - standard pressure
- code 62 - high pressure
- bolt kit with Buna O-ring included
- also available in 316L stainless

### NPTF port



Port Size	Pad Size	NPTF Thread	Code 61 Carbon Steel			Code 62 Carbon Steel				
			O-ring Part #	Price/E	Flat Face Part #	Price/E	O-ring Part #	Price/E	Flat Face Part #	Price/E
1/2"	1/2"	1/2"-14	W43-8-8-U	\$43.45	W104-8-8	\$54.40	W44-8-8-U	\$67.45	W45-8-8	\$57.60
3/4"	3/4"	3/4"-14	W43-12-12-U	35.50	W104-12-12	33.50	W44-12-12-U	72.45	W45-12-12	61.10
1"	1"	1"-11 1/2	W43-16-16-U	39.45	W104-16-16	36.15	W44-16-16-U	83.85	W45-16-16	67.55
1 1/4"	1 1/4"	1 1/4"-11 1/2	W43-20-20-U	44.50	W104-20-20	37.70	W44-20-20-U	105.80	W45-20-20	87.05
1 1/2"	1 1/2"	1 1/2"-11 1/2	W43-24-24-U	53.80	W104-24-24	42.45	W44-24-24-U	145.05	W45-24-24	116.30
2"	2"	2"-11 1/2	W43-32-32-U	69.70	W104-32-32	58.75	W44-32-32-U	229.55	W45-32-32	175.90
2 1/2"	2 1/2"	2 1/2"-8	W43-40-40-U	97.60	W104-40-40	92.70	---	---	---	---
3"	3"	3"-8	W43-48-48-U	144.25	W104-48-48	127.65	---	---	---	---

### SAE port



Port Size	Pad Size	UN / UNF-2B Thread	Code 61 Carbon Steel			Code 62 Carbon Steel				
			O-Ring Part #	Price/E	Flat Face Part #	Price/E	O-Ring Part #	Price/E	Flat Face Part #	Price/E
1/2"	1/2"	3/4"-16	W46-8-8-U	\$59.35	W106-8-8	\$54.40	W48-8-8-U	\$67.45	W49-8-8	\$57.60
3/4"	3/4"	1-1/16"-12	W46-12-12-U	36.90	W106-12-12	33.50	W48-12-12-U	72.45	W49-12-12	61.10
1"	1"	1-5/16"-12	W46-16-16-U	37.85	W106-16-16	36.15	W48-16-16-U	83.85	W49-16-16	67.55
1 1/4"	1 1/4"	1-5/8"-12	W46-20-20-U	47.05	W106-20-20	37.30	W48-20-20-U	105.80	W49-20-20	87.05
1 1/2"	1 1/2"	1-7/8"-12	W46-24-24-U	57.60	W106-24-24	52.00	W48-24-24-U	145.05	W49-24-24	116.30
2"	2"	2-1/2"-12	W46-32-32-U <sup>1</sup>	183.95	W106-32-32 <sup>1</sup>	176.75	W48-32-32-U	229.55	W49-32-32	174.25

<sup>1</sup> 500 PSI maximum for W46-32-32 and W106-32-32

### pipe socket weld



Pipe Size	Pad Size	Code 61 Carbon Steel			Code 62 Carbon Steel				
		O-Ring Part #	Price/E	Flat Face Part #	Price/E	O-Ring Part #	Price/E	Flat Face Part #	Price/E
1/2"	1/2"	W4-8-8-U	\$43.40	W61-8-8	\$32.90	W59-8-8-U	\$50.95	W60-8-8	\$43.50
3/4"	3/4"	W4-12-12-U	40.15	W61-12-12	30.25	W59-12-12-U	56.40	W60-12-12	48.35
1"	1"	W4-16-16-U	41.70	W61-16-16	32.20	W59-16-16-U	71.90	W60-16-16	59.35
1 1/4"	1 1/4"	W4-20-20-U	49.25	W61-20-20	36.50	W59-20-20-U	88.70	W60-20-20	74.15
1 1/2"	1 1/2"	W4-24-24-U	62.70	W61-24-24	49.50	W59-24-24-U	117.50	W60-24-24	95.75
2"	2"	W4-32-32-U	93.10	W61-32-32	76.50	W59-32-32-U	178.60	W60-32-32	131.55
2 1/2"	2 1/2"	W4-40-40-U	128.10	W61-40-40	108.00	W59-40-40-U	418.15	W60-40-40	334.00
3"	3"	W4-48-48-U	150.00	W61-48-48	117.60	W59-48-48-U	697.35	W60-48-48	551.30

Hydraulic Fittings

### Hydraulic Split Flange Kits

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

Flange Size	Code 61 Forged Carbon Steel		Code 62 Forged Carbon Steel	
	Part #	Price/E	Part #	Price/E
1/2"	8SFO	\$17.60	8SFXO	\$28.15
3/4"	12SFO	13.50	12SFXO	24.15
1"	16SFO	15.00	16SFXO	28.15
1 1/4"	20SFO	19.00	20SFXO	39.35
1 1/2"	24SFO	23.85	24SFXO	57.50
2"	32SFO	25.70	32SFXO	97.20
2 1/2"	40SFO	41.35	---	---
3"	48SFO	69.45	---	---



### SAE Hydraulic Adapters

straight SAE C61 or C62 x male JIC

Thread	Tube OD	Flange Size	Code 61 Carbon Steel		Code 62 Carbon Steel	
			Part #	Price/E	Part #	Price/E
3/4"-16	1/2"	1/2"	300-8-8	\$17.10	---	---
3/4"-16	1/2"	3/4"	300-8-12	28.25	---	---
1-1/16"-12	3/4"	3/4"	300-12-12	20.50	600-12-12	\$27.25
1-5/16"-12	1"	3/4"	300-16-12	22.30	600-16-12	30.80
1-1/16"-12	3/4"	1"	300-12-16	23.20	600-12-16	37.85
1-5/16"-12	1"	1"	300-16-16	24.55	600-16-16	32.05
1-5/8"-12	1 1/4"	1"	300-20-16	26.95	600-20-16	44.75
1-5/16"-12	1"	1 1/4"	300-16-20	27.85	600-16-20	39.35
1-5/8"-12	1 1/4"	1 1/4"	300-20-20	30.15	600-20-20	38.55
1-7/8"-12	1 1/2"	1 1/4"	300-24-20	37.15	600-24-20	47.80
1-5/8"-12	1 1/4"	1 1/2"	300-20-24	48.00	600-20-24	57.20
1-7/8"-12	1 1/2"	1 1/2"	300-24-24	35.20	600-24-24	49.30
2-1/2"-12	2"	1 1/2"	300-32-24	70.20	600-32-24	66.00
1-7/8"-12	1 1/2"	2"	300-24-32	58.95	600-24-32	78.80
2-1/2"-12	2"	2"	300-32-32	54.95	600-32-32	78.80



Hydraulic Couplings

90° SAE C61 or C62 x male JIC

Thread	Tube OD	Flange Size	Code 61 Carbon Steel		Code 62 Carbon Steel	
			Part #	Price/E	Part #	Price/E
3/4"-16	1/2"	3/4"	390-8-12	\$30.50	---	---
1-1/16"-12	3/4"	3/4"	390-12-12	23.60	690-12-12	\$36.20
1-5/16"-12	1"	3/4"	390-16-12	32.60	690-16-12	43.30
1-1/16"-12	3/4"	1"	390-12-16	33.15	690-12-16	48.70
1-5/16"-12	1"	1"	390-16-16	30.20	690-16-16	40.15
1-5/8"-12	1 1/4"	1"	390-20-16	37.50	690-20-16	46.30
1-5/16"-12	1"	1 1/4"	390-16-20	39.20	690-16-20	54.80
1-5/8"-12	1 1/4"	1 1/4"	390-20-20	40.75	690-20-20	49.75
1-5/8"-12	1 1/4"	1 1/2"	390-20-24	55.40	690-20-24	72.55
1-7/8"-12	1 1/2"	1 1/2"	390-24-24	51.60	690-24-24	68.75
2-1/2"-12	2"	1 1/2"	390-32-24	70.45	690-32-24	79.90
1-7/8"-12	1 1/2"	2"	390-24-32	95.10	690-24-32	117.35
2-1/2"-12	2"	2"	390-32-32	93.30	690-32-32	117.50



45° SAE C61 or C62 x male JIC

Thread	Tube OD	Flange Size	Code 61 Carbon Steel		Code 62 Carbon Steel	
			Part #	Price/E	Part #	Price/E
1-1/16"-12	3/4"	3/4"	340-12-12	\$24.50	640-12-12	\$35.50
1-5/16"-12	1"	1"	340-16-16	28.50	640-16-16	42.75
1-5/8"-12	1 1/4"	1 1/4"	340-20-20	37.50	640-20-20	48.35
1-7/8"-12	1 1/2"	1 1/2"	340-24-24	53.50	640-24-24	62.15
2-1/2"-12	2"	2"	340-32-32	91.50	640-32-32	154.45



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## SAE O-Ring Fittings

### O-ring boss / male pipe adapters



Male SAE O-Ring Boss	Male NPTF Pipe Adapter	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/4"-18	<b>6401-4-4</b>	5000	<b>\$1.95</b>
9/16"-18	1/4"-18	<b>6401-6-4</b>	4000	<b>2.00</b>
9/16"-18	3/8"-18	<b>6401-6-6</b>	4000	<b>2.45</b>
9/16"-18	1/2"-14	<b>6401-6-8</b>	3000	<b>4.50</b>
3/4"-16	3/8"-18	<b>6401-8-6</b>	3000	<b>3.00</b>
3/4"-16	1/2"-14	<b>6401-8-8</b>	3000	<b>2.95</b>
7/8"-14	1/2"-14	<b>6401-10-8</b>	3000	<b>3.45</b>
1-1/16"-12	3/4"-14	<b>6401-12-12</b>	2500	<b>5.80</b>
1-5/16"-12	1"-11½	<b>6401-16-16</b>	2000	<b>9.80</b>

### adjustable O-ring unions



Male O-Ring Boss	Adjustable O-Ring Boss	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>6403-4</b>	4500	<b>\$2.80</b>
9/16"-18	9/16"-18	<b>6403-6</b>	4000	<b>3.85</b>
3/4"-16	3/4"-16	<b>6403-8</b>	4000	<b>4.90</b>
7/8"-14	7/8"-14	<b>6403-10</b>	3000	<b>5.80</b>
1-1/16"-12	1-1/16"-12	<b>6403-12</b>	3000	<b>10.60</b>
1-5/16"-12	1-5/16"-12	<b>6403-16</b>	2500	<b>11.80</b>

- reference SAE 090109
- uses Allen wrench

### hollow hex O-ring plugs

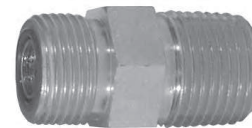


Male SAE O-Ring Boss	Zinc Plated Steel		
	Part #	PSI	Price/E
7/16"-20	<b>6408HHP-4</b>	5000	<b>\$0.85</b>
9/16"-18	<b>6408HHP-6</b>	5000	<b>1.10</b>
3/4"-16	<b>6408HHP-8</b>	4500	<b>1.80</b>
7/8"-14	<b>6408HHP-10</b>	3500	<b>1.95</b>
1-1/16"-12	<b>6408HHP-12</b>	3500	<b>2.60</b>
1-5/16"-12	<b>6408HHP-16</b>	3000	<b>3.90</b>
1-5/8"-12	<b>6408HHP-20</b>	2500	<b>8.15</b>
1-7/8"-12	<b>6408HHP-24</b>	1500	<b>11.95</b>
2-1/2"-12	<b>6408HHP-32</b>	1500	<b>20.65</b>

## Flat Face Fittings

### male flat face x male NPTF connectors

Male Flat Face	Male NPTF	Zinc Plated Steel		
		Part #	PSI	Price/E
9/16"-18	1/4"-18	<b>FS2404-4-4</b>	5000	<b>\$2.05</b>
11/16"-16	3/8"-18	<b>FS2404-6-6</b>	4000	<b>2.15</b>
13/16"-16	1/2"-14	<b>FS2404-8-8</b>	3000	<b>3.15</b>
1 3/16"-12	3/4"-14	<b>FS2404-12-12</b>	2500	<b>8.25</b>
1 7/16"-12	1"-11½	<b>FS2404-16-16</b>	2000	<b>8.90</b>



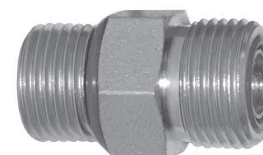
### male flat face unions

Male Flat Face	Zinc Plated Steel		
	Part #	PSI	Price/E
9/16"-18	<b>FS2403-4</b>	6000	<b>\$1.95</b>
11/16"-16	<b>FS2403-6</b>	6000	<b>2.90</b>
13/16"-16	<b>FS2403-8</b>	6000	<b>3.75</b>
1"-14	<b>FS2403-10</b>	6000	<b>5.00</b>
1 3/16"-12	<b>FS2403-12</b>	6000	<b>6.70</b>
1 7/16"-12	<b>FS2403-16</b>	6000	<b>9.55</b>



### male flat face x male SAE O-ring Boss connectors

Male Flat Face	Male SAE O-Ring Boss	Zinc Plated Steel		
		Part #	PSI	Price/E
9/16"-18	7/16"-20	<b>FS6400-4-4</b>	5000	<b>\$2.00</b>
11/16"-16	9/16"-18	<b>FS6400-6-6</b>	5000	<b>2.40</b>
13/16"-16	3/4"-16	<b>FS6400-8-8</b>	4500	<b>3.00</b>
1"-14	7/8"-14	<b>FS6400-10-10</b>	3500	<b>3.85</b>
1 3/16"-12	1 1/16"-12	<b>FS6400-12-12</b>	3500	<b>5.45</b>
1 7/16"-12	1 5/16"-12	<b>FS6400-16-16</b>	3000	<b>7.90</b>



Hydraulic Couplings

### male flat face x male NPTF 90° elbows

Male Flat Face	Male NPTF	Zinc Plated Steel		
		Part #	PSI	Price/E
9/16"-18	1/4"-18	<b>FS2501-4-4</b>	5000	<b>\$3.35</b>
11/16"-16	3/8"-18	<b>FS2501-6-6</b>	4000	<b>4.65</b>
13/16"-16	1/2"-14	<b>FS2501-8-8</b>	3000	<b>6.30</b>
1 3/16"-12	3/4"-14	<b>FS2501-12-12</b>	2500	<b>10.10</b>
1 7/16"-12	1"-11½	<b>FS2501-16-16</b>	2000	<b>16.85</b>



### male flat face x female flat face swivel nut 90° elbows

Male Flat Face	Female Flat Face	Zinc Plated Steel		
		Part #	PSI	Price/E
9/16"-18	9/16"-18	<b>FS6500-4-4</b>	6000	<b>\$7.45</b>
11/16"-16	11/16"-16	<b>FS6500-6-6</b>	6000	<b>9.30</b>
13/16"-16	13/16"-16	<b>FS6500-8-8</b>	6000	<b>11.55</b>
1"-14	1"-14	<b>FS6500-10-10</b>	6000	<b>14.30</b>
1 3/16"-12	1 3/16"-12	<b>FS6500-12-12</b>	6000	<b>15.40</b>
1 7/16"-12	1 7/16"-12	<b>FS6500-16-16</b>	6000	<b>33.70</b>





## Flat Face Fittings

### male flat face x male SAE O-ring Boss 90° elbows



Male Flat Face	Male SAE O-ring Boss	Zinc Plated Steel		
		Part #	PSI	Price/E
9/16"-18	7/16"-20	<b>FS6801-4-4</b>	5000	<b>\$4.35</b>
11/16"-16	9/16"-18	<b>FS6801-6-6</b>	5000	<b>5.60</b>
13/16"-16	3/4"-16	<b>FS6801-8-8</b>	4500	<b>6.40</b>
1"-14	7/8"-14	<b>FS6801-10-10</b>	3500	<b>10.15</b>
1 3/16"-12	1 1/16"-12	<b>FS6801-12-12</b>	3500	<b>13.55</b>
1 7/16"-12	1 5/16"-12	<b>FS6801-16-16</b>	3000	<b>19.70</b>

### male flat face x male flat face x male flat face union tees



Male Flat Face	Male Flat Face	Male Flat Face	Zinc Plated Steel		
			Part #	PSI	Price/E
9/16"-18	9/16"-18	9/16"-18	<b>FS2603-4</b>	6000	<b>\$5.85</b>
11/16"-16	11/16"-16	11/16"-16	<b>FS2603-6</b>	6000	<b>7.85</b>
13/16"-16	13/16"-16	13/16"-16	<b>FS2603-8</b>	6000	<b>8.05</b>
1"-14	1"-14	1"-14	<b>FS2603-10</b>	6000	<b>13.20</b>
1 3/16"-12	1 3/16"-12	1 3/16"-12	<b>FS2603-12</b>	6000	<b>17.00</b>
1 7/16"-12	1 7/16"-12	1 7/16"-12	<b>FS2603-16</b>	6000	<b>26.60</b>

### male flat face x female flat face swivel x male flat face run tees



Male Flat Face	Female Flat Face Swivel	Male Flat Face	Zinc Plated Steel		
			Part #	PSI	Price/E
9/16"-18	9/16"-18	9/16"-18	<b>FS6602-4</b>	4500	<b>\$7.85</b>
11/16"-16	11/16"-16	11/16"-16	<b>FS6602-6</b>	4000	<b>10.35</b>
13/16"-16	13/16"-16	13/16"-16	<b>FS6602-8</b>	4000	<b>11.20</b>
1"-14	1"-14	1"-14	<b>FS6602-10</b>	3000	<b>18.05</b>
1 3/16"-12	1 3/16"-12	1 3/16"-12	<b>FS6602-12</b>	3000	<b>23.35</b>
1 7/16"-12	1 7/16"-12	1 7/16"-12	<b>FS6602-16</b>	2500	<b>34.55</b>

### flat face caps



Female Flat Face	Zinc Plated Steel		
	Part #	PSI	Price/E
9/16"-18	<b>FS304C-4</b>	6000	<b>\$1.95</b>
11/16"-16	<b>FS304C-6</b>	6000	<b>2.40</b>
13/16"-16	<b>FS304C-8</b>	6000	<b>2.65</b>
1"-14	<b>FS304C-10</b>	6000	<b>3.65</b>
1 3/16"-12	<b>FS304C-12</b>	6000	<b>5.25</b>
1 7/16"-12	<b>FS304C-16</b>	6000	<b>7.20</b>

### flat face plugs



Male Flat Face	Zinc Plated Steel		
	Part #	PSI	Price/E
9/16"-18	<b>FS2408-4</b>	6000	<b>\$1.65</b>
11/16"-16	<b>FS2408-6</b>	6000	<b>1.75</b>
13/16"-16	<b>FS2408-8</b>	6000	<b>2.20</b>
1"-14	<b>FS2408-10</b>	6000	<b>3.05</b>
1 3/16"-12	<b>FS2408-12</b>	6000	<b>4.50</b>
1 7/16"-12	<b>FS2408-16</b>	6000	<b>6.95</b>

**SAE O-Ring Fittings****O-ring to female pipe adapters**

Male SAE O-ring Boss	Female NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/8"-27	<b>6405-4-2</b>	5000	<b>\$2.30</b>
7/16"-20	1/4"-18	<b>6405-4-4</b>	5000	<b>2.95</b>
7/16"-20	3/8"-18	<b>6405-4-6</b>	4000	<b>2.70</b>
9/16"-18	1/4"-18	<b>6405-6-4</b>	4000	<b>2.35</b>
9/16"-18	3/8"-18	<b>6405-6-6</b>	4000	<b>3.20</b>
9/16"-18	1/2"-14	<b>6405-6-8</b>	3000	<b>5.90</b>
3/4"-16	3/8"-18	<b>6405-8-6</b>	4000	<b>3.25</b>
3/4"-16	1/2"-14	<b>6405-8-8</b>	3000	<b>4.20</b>
7/8"-14	3/4"-14	<b>6405-10-12</b>	2500	<b>7.70</b>
7/8"-14	1/2"-14	<b>6405-10-8</b>	3000	<b>4.15</b>
1-1/16"-12	3/4"-14	<b>6405-12-12</b>	2500	<b>6.65</b>
1-1/16"-12	1"-11½	<b>6405-12-16</b>	2000	<b>7.45</b>
1-1/16"-12	1/2"-14	<b>6405-12-8</b>	3000	<b>6.40</b>
1-5/16"-12	3/4"-14	<b>6405-16-12</b>	2500	<b>7.25</b>
1-5/16"-12	1"-11½	<b>6405-16-16</b>	2000	<b>9.10</b>
1-5/16"-12	1-1/4"-11½	<b>6405-16-20</b>	1150	<b>19.10</b>
1-5/8"-12	1"-11½	<b>6405-20-16</b>	2000	<b>16.00</b>
1-5/8"-12	1-1/4"-11½	<b>6405-20-20</b>	1150	<b>17.25</b>

**O-ring port reducers**

Male SAE O-ring Boss	Female O-ring Port	Zinc Plated Steel		
		Part #	PSI	Price/E
9/16"-18	7/16"-20	<b>6410-6-4</b>	5000	<b>\$2.50</b>
9/16"-18	3/4"-16	<b>6410-6-8</b>	4500	<b>4.25</b>
3/4"-16	7/8"-14	<b>6410-8-10</b>	3500	<b>4.30</b>
3/4"-16	9/16"-18	<b>6410-8-6</b>	4500	<b>3.00</b>
7/8"-14	1-1/16"-12	<b>6410-10-12</b>	3500	<b>7.30</b>
7/8"-14	3/4"-16	<b>6410-10-8</b>	3500	<b>4.15</b>
1-1/16"-12	1-5/16"-12	<b>6410-12-16</b>	3000	<b>13.80</b>

Hydraulic  
Couplings**straight thread branch tees  
male 37° flare x male SAE O-ring Boss**

SAE 37° Male	SAE O-ring Boss	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>6803-4</b>	5000	<b>\$5.40</b>
9/16"-18	9/16"-18	<b>6803-6</b>	5000	<b>5.80</b>
3/4"-16	3/4"-16	<b>6803-8</b>	4500	<b>8.10</b>
7/8"-14	7/8"-14	<b>6803-10</b>	3500	<b>11.90</b>
1-1/16"-12	1-1/16"-12	<b>6803-12</b>	3500	<b>17.35</b>
1-5/16"-12	1-5/16"-12	<b>6803-16</b>	3000	<b>23.15</b>



**Hydraulic Male Plugs****pipe thread**

Thread Size	Zinc Plated Steel		
	Part #	PSI	Price/E
1/8"-27	<b>1251-02H</b>	5000	<b>\$0.50</b>
1/4"-18	<b>1251-04H</b>	5000	<b>0.85</b>
3/8"-18	<b>1251-06H</b>	4000	<b>1.50</b>
1/2"-14	<b>1251-08H</b>	3000	<b>2.45</b>
3/4"-14	<b>1251-12H</b>	2500	<b>3.80</b>
1"-11½	<b>1251-16H</b>	2000	<b>7.05</b>
1-1/4"-11½	<b>1251-20H</b>	1150	<b>8.30</b>

**JIC screw thread**

Thread Size	Zinc Plated Steel		
	Part #	PSI	Price/E
5/16"-24	<b>1254-02H</b>	5000	<b>\$1.55</b>
7/16"-20	<b>1254-04H</b>	5000	<b>1.15</b>
9/16"-18	<b>1254-06H</b>	5000	<b>1.20</b>
3/4"-16	<b>1254-08H</b>	4500	<b>1.40</b>
7/8"-14	<b>1254-10H</b>	3500	<b>2.75</b>
1-1/16"-12	<b>1254-12H</b>	3500	<b>2.85</b>
1-5/16"-12	<b>1254-16H</b>	3000	<b>4.00</b>
1-5/8"-12	<b>1254-20H</b>	2500	<b>6.80</b>

**SAE O-ring Boss thread**

Thread Size	Zinc Plated Steel		
	Part #	PSI	Price/E
7/16"-20	<b>1255-04H</b>	5000	<b>\$1.00</b>
9/16"-18	<b>1255-06H</b>	5000	<b>1.10</b>
3/4"-16	<b>1255-08H</b>	4500	<b>1.65</b>
7/8"-14	<b>1255-10H</b>	3500	<b>2.05</b>
1-1/16"-12	<b>1255-12H</b>	3500	<b>2.90</b>
1-5/16"-12	<b>1255-16H</b>	3000	<b>4.15</b>
1-5/8"-12	<b>1255-20H</b>	2500	<b>7.05</b>
1-7/8"-12	<b>1255-24H</b>	2000	<b>12.60</b>
2-1/2"-12	<b>1255-32H</b>	1500	<b>32.60</b>

## Hydraulic Pipe Swivel Adapters

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

### male NPTF x female NPSM swivel nut

Male NPTF	Female NPSM Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
1/8"-27	1/8"-27	<b>1404-2-2</b>	5000	<b>\$2.55</b>
1/8"-27	1/4"-18	<b>1404-2-4</b>	4500	<b>3.10</b>
1/4"-18	1/4"-18	<b>1404-4-4</b>	4500	<b>2.90</b>
1/4"-18	3/8"-18	<b>1404-4-6</b>	4000	<b>3.85</b>
3/8"-18	1/4"-18	<b>1404-6-4</b>	4000	<b>3.90</b>
3/8"-18	3/8"-18	<b>1404-6-6</b>	4000	<b>3.80</b>
3/8"-18	1/2"-14	<b>1404-6-8</b>	4000	<b>5.10</b>
1/2"-14	3/8"-18	<b>1404-8-6</b>	3000	<b>4.90</b>
1/2"-14	1/2"-14	<b>1404-8-8</b>	3000	<b>4.75</b>
1/2"-14	3/4"-14	<b>1404-8-12</b>	3000	<b>9.30</b>
3/4"-14	1/2"-14	<b>1404-12-8</b>	2500	<b>8.80</b>
3/4"-14	3/4"-14	<b>1404-12-12</b>	2500	<b>8.55</b>
1"-11½	1"-11½	<b>1404-16-16</b>	2000	<b>11.55</b>
1-1/4"-11½	1-1/4"-11½	<b>1404-20-20</b>	1150	<b>23.95</b>
1-1/2"-11½	1-1/2"-11½	<b>1404-24-24</b>	1000	<b>38.25</b>
2"-11½	2"-11½	<b>1404-32-32</b>	1000	<b>54.15</b>



Hydraulic Couplings

### female NPTF x female NPSM swivel nut

Female NPTF	Female NPSM Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
1/8"-27	1/8"-27	<b>1405-2-2</b>	5000	<b>\$3.55</b>
1/4"-18	1/4"-18	<b>1405-4-4</b>	4500	<b>3.75</b>
3/8"-18	1/4"-18	<b>1405-6-4</b>	4000	<b>5.00</b>
3/8"-18	3/8"-18	<b>1405-6-6</b>	4000	<b>5.55</b>
3/8"-18	1/2"-14	<b>1405-6-8</b>	4000	<b>6.10</b>
1/2"-14	1/2"-14	<b>1405-8-8</b>	3000	<b>5.95</b>
3/4"-14	1/2"-14	<b>1405-12-8</b>	2500	<b>8.05</b>
3/4"-14	3/4"-14	<b>1405-12-12</b>	2500	<b>10.55</b>
1"-11½	1"-11½	<b>1405-16-16</b>	2000	<b>16.40</b>
1-1/4"-11½	1-1/4"-11½	<b>1405-20-20</b>	1150	<b>27.10</b>
1-1/2"-11½	1-1/2"-11½	<b>1405-24-24</b>	1000	<b>27.50</b>
2"-11½	2"-11½	<b>1405-32-32</b>	1000	<b>72.25</b>



### 45° male NPTF x female NPSM swivel nut

Male NPTF	Female NPSM Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-18	<b>1503-4-4</b>	4500	<b>\$4.50</b>
3/8"-18	3/8"-18	<b>1503-6-6</b>	4000	<b>6.50</b>
1/2"-14	1/2"-14	<b>1503-8-8</b>	3000	<b>8.65</b>
3/4"-14	3/4"-14	<b>1503-12-12</b>	2500	<b>10.80</b>
1"-11½	1"-11½	<b>1503-16-16</b>	2000	<b>16.85</b>



## Hydraulic Pipe Swivel Adapters

### 90° male NPTF x female NPSM swivel nut



Male NPTF	Female NPSM Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
1/8"-27	1/8"-27	<b>1501-2-2</b>	5000	<b>\$4.00</b>
1/4"-18	1/4"-18	<b>1501-4-4</b>	4500	<b>4.45</b>
1/4"-18	3/8"-18	<b>1501-4-6</b>	4000	<b>6.20</b>
3/8"-18	1/4"-18	<b>1501-6-4</b>	4000	<b>6.45</b>
3/8"-18	3/8"-18	<b>1501-6-6</b>	4000	<b>6.70</b>
3/8"-18	1/2"-14	<b>1501-6-8</b>	4000	<b>7.45</b>
1/2"-14	3/8"-18	<b>1501-8-6</b>	3000	<b>6.85</b>
1/2"-14	1/2"-14	<b>1501-8-8</b>	3000	<b>8.25</b>
1/2"-14	3/4"-14	<b>1501-8-12</b>	3000	<b>11.85</b>
3/4"-14	1/2"-14	<b>1501-12-8</b>	2500	<b>12.00</b>
3/4"-14	3/4"-14	<b>1501-12-12</b>	2500	<b>13.85</b>
3/4"-14	1"-11½	<b>1501-12-16</b>	2000	<b>21.20</b>
1"-11½	3/4"-14	<b>1501-16-12</b>	2000	<b>20.80</b>
1"-11½	1"-11½	<b>1501-16-16</b>	2000	<b>18.20</b>
1"-11½	1-1/4"-11½	<b>1501-16-20</b>	1150	<b>37.60</b>
1-1/4"-11½	1-1/4"-11½	<b>1501-20-20</b>	1150	<b>34.15</b>

### 90° female NPTF x female NPSM swivel nut



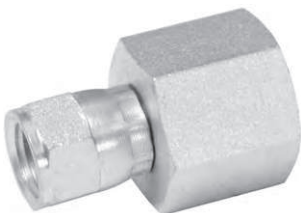
Female NPTF	Female NPSM Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-18	<b>1502-4-4</b>	4500	<b>\$6.30</b>
3/8"-18	3/8"-18	<b>1502-6-6</b>	4000	<b>7.45</b>
1/2"-14	1/2"-14	<b>1502-8-8</b>	3000	<b>10.35</b>
3/4"-14	3/4"-14	<b>1502-12-12</b>	2500	<b>12.45</b>
1"-11½	1"-11½	<b>1502-16-16</b>	2000	<b>21.55</b>

### 90° SAE O-ring Boss x female NPSM swivel nut



Male SAE O-Ring Boss	Female NPSM Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/4"-18	<b>6901-4-4</b>	4500	<b>\$5.20</b>
7/16"-20	3/8"-18	<b>6901-4-6</b>	4000	<b>7.80</b>
9/16"-18	1/4"-18	<b>6901-6-4</b>	4000	<b>6.10</b>
9/16"-18	3/8"-18	<b>6901-6-6</b>	4000	<b>6.35</b>
9/16"-18	1/2"-14	<b>6901-6-8</b>	4000	<b>9.55</b>
3/4"-16	3/4"-14	<b>6901-8-12</b>	3000	<b>14.45</b>
3/4"-16	3/8"-18	<b>6901-8-6</b>	3500	<b>7.80</b>
3/4"-16	1/2"-14	<b>6901-8-8</b>	4000	<b>8.30</b>
7/8"-14	3/4"-14	<b>6901-10-12</b>	3000	<b>17.35</b>
7/8"-14	1/2"-14	<b>6901-10-8</b>	3500	<b>10.00</b>
1-1/16"-12	3/4"-14	<b>6901-12-12</b>	3000	<b>14.60</b>
1-1/16"-12	1"-11½	<b>6901-12-16</b>	2500	<b>20.45</b>
1-1/16"-12	1/2"-14	<b>6901-12-8</b>	3500	<b>15.30</b>
1-5/16"-12	3/4"-14	<b>6901-16-12</b>	3000	<b>22.70</b>
1-5/16"-12	1"-11½	<b>6901-16-16</b>	2500	<b>20.80</b>
1-5/16"-12	1-1/4"-11½	<b>6901-16-20</b>	2000	<b>42.00</b>
1-5/8"-12	1-1/4"-11½	<b>6901-20-20</b>	2000	<b>39.90</b>

### female 37° swivel x female NPTF pipe



SAE 37° Female Swivel	Female NPTF	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/4"-18	<b>6506-4-4</b>	4500	<b>\$4.90</b>
7/16"-20	3/8"-18	<b>6506-4-6</b>	4000	<b>6.65</b>
9/16"-18	1/4"-18	<b>6506-6-4</b>	4000	<b>6.35</b>
9/16"-18	3/8"-18	<b>6506-6-6</b>	4000	<b>6.45</b>
3/4"-16	1/2"-14	<b>6506-8-8</b>	3000	<b>6.95</b>
7/8"-14	1/2"-14	<b>6506-10-8</b>	3000	<b>10.50</b>
1 1/16"-12	3/4"-14	<b>6506-12-12</b>	2500	<b>10.85</b>
1 5/16"-12	1" 11/2	<b>6506-16-16</b>	2000	<b>15.25</b>



**Hydraulic Pipe Fittings****male SAE screw thread x male SAE screw thread**

SAE Screw Thread	SAE Screw Thread	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>1204-04-04</b>	5000	<b>\$1.20</b>
9/16"-18	9/16"-18	<b>1204-06-06</b>	5000	<b>1.60</b>
3/4"-16	7/16"-20	<b>1204-08-04</b>	4500	<b>3.15</b>
3/4"-16	3/4"-16	<b>1204-08-08</b>	4500	<b>2.35</b>
7/8"-14	3/4"-16	<b>1204-10-08</b>	3500	<b>3.80</b>
7/8"-14	7/8"-14	<b>1204-10-10</b>	3500	<b>4.05</b>
1-1/16"-12	3/4"-16	<b>1204-12-08</b>	3500	<b>5.05</b>
1-1/16"-12	7/8"-14	<b>1204-12-10</b>	3500	<b>4.95</b>
1-1/16"-12	1-1/16"-12	<b>1204-12-12</b>	3500	<b>4.15</b>
1-5/16"-12	1-1/16"-12	<b>1204-16-12</b>	3000	<b>9.05</b>
1-5/16"-12	1-5/16"-12	<b>1204-16-16</b>	3000	<b>7.55</b>

**male SAE screw thread x male SAE O-ring Boss thread**

SAE Screw Thread	SAE O-ring Boss Thread	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>1231-04-04</b>	5000	<b>\$1.35</b>
7/16"-20	9/16"-18	<b>1231-04-06</b>	5000	<b>1.55</b>
7/16"-20	3/4"-16	<b>1231-04-08</b>	4500	<b>2.45</b>
9/16"-18	7/16"-20	<b>1231-06-04</b>	5000	<b>1.60</b>
9/16"-18	9/16"-18	<b>1231-06-06</b>	5000	<b>1.65</b>
9/16"-18	3/4"-16	<b>1231-06-08</b>	4500	<b>2.05</b>
9/16"-18	7/8"-14	<b>1231-06-10</b>	3500	<b>3.00</b>
3/4"-16	9/16"-18	<b>1231-08-06</b>	4500	<b>2.50</b>
3/4"-16	3/4"-16	<b>1231-08-08</b>	4500	<b>2.25</b>
3/4"-16	7/8"-14	<b>1231-08-10</b>	3500	<b>2.85</b>
3/4"-16	1-1/16"-12	<b>1231-08-12</b>	3500	<b>4.10</b>
7/8"-14	3/4"-16	<b>1231-10-08</b>	3500	<b>3.25</b>
7/8"-14	7/8"-14	<b>1231-10-10</b>	3500	<b>3.00</b>
7/8"-14	1-1/16"-12	<b>1231-10-12</b>	3500	<b>4.10</b>
1-1/16"-12	7/8"-14	<b>1231-12-10</b>	3500	<b>4.30</b>
1-1/16"-12	1-1/16"-12	<b>1231-12-12</b>	3500	<b>4.50</b>
1-1/16"-12	1-5/16"-12	<b>1231-12-16</b>	3000	<b>6.75</b>
1-5/16"-12	1-1/16"-12	<b>1231-16-12</b>	3000	<b>5.45</b>
1-5/16"-12	1-5/16"-12	<b>1231-16-16</b>	3000	<b>6.45</b>
1-5/16"-12	1-5/8"-12	<b>1231-16-20</b>	2500	<b>11.35</b>
1-5/8"-12	1-5/16"-12	<b>1231-20-16</b>	2500	<b>13.30</b>

Hydraulic  
Couplings**45° male SAE O-ring Boss thread x male SAE screw thread**

SAE O-Ring Boss Thread	SAE Screw Thread	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>1240-04-04</b>	5000	<b>\$3.75</b>
9/16"-18	9/16"-18	<b>1240-06-06</b>	5000	<b>4.20</b>
9/16"-18	3/4"-16	<b>1240-06-08</b>	4500	<b>6.25</b>
3/4"-16	9/16"-18	<b>1240-08-06</b>	4500	<b>7.10</b>
3/4"-16	3/4"-16	<b>1240-08-08</b>	4500	<b>6.20</b>
3/4"-16	7/8"-14	<b>1240-08-10</b>	3500	<b>9.00</b>
7/8"-14	3/4"-16	<b>1240-10-08</b>	3500	<b>7.45</b>
7/8"-14	7/8"-14	<b>1240-10-10</b>	3500	<b>7.95</b>
7/8"-14	1-1/16"-12	<b>1240-10-12</b>	3500	<b>11.40</b>
1-1/16"-12	7/8"-14	<b>1240-12-10</b>	3500	<b>10.45</b>
1-1/16"-12	1-1/16"-12	<b>1240-12-12</b>	3500	<b>10.65</b>
1-5/16"-12	1-5/16"-12	<b>1240-12-16</b>	3000	<b>16.45</b>
1-5/16"-12	1-5/16"-12	<b>1240-16-16</b>	3000	<b>15.25</b>
1-5/16"-12	1-5/16"-12	<b>1240-20-16</b>	2500	<b>35.00</b>
1-5/8"-12	1-5/8"-12	<b>1240-20-20</b>	2500	<b>34.85</b>



## Hydraulic Pipe Fittings

### 90° male SAE screw thread x male SAE screw thread



SAE Screw Thread	SAE Screw Thread	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>1234-04-04</b>	5000	<b>\$2.45</b>
9/16"-18	9/16"-18	<b>1234-06-06</b>	5000	<b>3.30</b>
3/4"-16	3/4"-16	<b>1234-08-08</b>	4500	<b>4.45</b>
7/8"-14	7/8"-14	<b>1234-10-10</b>	3500	<b>6.20</b>
1-1/16"-12	1-1/16"-12	<b>1234-12-12</b>	3500	<b>8.60</b>
1-5/16"-12	1-5/16"-12	<b>1234-16-16</b>	3000	<b>13.05</b>
1-5/8"-12	1-5/8"-12	<b>1234-20-20</b>	2500	<b>25.40</b>

### 90° male SAE O-ring Boss thread x male SAE screw thread



SAE O-ring Boss Thread	SAE Screw Thread	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>1238-04-04</b>	5000	<b>\$3.40</b>
7/16"-20	9/16"-18	<b>1238-04-06</b>	5000	<b>4.00</b>
9/16"-18	7/16"-20	<b>1238-06-04</b>	5000	<b>3.90</b>
9/16"-18	9/16"-18	<b>1238-06-06</b>	5000	<b>3.45</b>
3/4"-16	9/16"-18	<b>1238-08-06</b>	4500	<b>5.90</b>
3/4"-16	3/4"-16	<b>1238-08-08</b>	4500	<b>5.10</b>
3/4"-16	7/8"-14	<b>1238-08-10</b>	3500	<b>7.75</b>
7/8"-14	3/4"-16	<b>1238-10-08</b>	3500	<b>7.45</b>
7/8"-14	7/8"-14	<b>1238-10-10</b>	3500	<b>8.00</b>
7/8"-14	1-1/16"-12	<b>1238-10-12</b>	3500	<b>9.70</b>
1-1/16"-12	7/8"-14	<b>1238-12-10</b>	3500	<b>10.35</b>
1-1/16"-12	1-1/16"-12	<b>1238-12-12</b>	3500	<b>10.10</b>
1-1/16"-12	1-5/16"-12	<b>1238-12-16</b>	3000	<b>15.35</b>
1-5/16"-16	1-1/16"-12	<b>1238-16-12</b>	3000	<b>16.55</b>
1-5/16"-12	1-5/16"-12	<b>1238-16-16</b>	3000	<b>15.35</b>
1-5/8"-12	1-5/16"-12	<b>1238-20-16</b>	2500	<b>31.15</b>
1-5/8"-12	1-5/8"-12	<b>1238-20-20</b>	2500	<b>27.05</b>
1-7/8"-12	1-7/8"-12	<b>1238-24-24</b>	2000	<b>43.00</b>

### female NPTF hex pipe couplings

• reference SAE 140138



Female NPTF Pipe	Female NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/8"-27	1/8"-27	<b>5000-2</b>	5000	<b>\$1.60</b>
1/4"-18	1/4"-18	<b>5000-4</b>	5000	<b>2.00</b>
3/8"-18	3/8"-18	<b>5000-6</b>	4000	<b>2.45</b>
3/8"-18	1/4"-18	<b>5000-6-4</b>	4000	<b>2.65</b>
1/2"-14	1/2"-14	<b>5000-8</b>	3000	<b>3.40</b>
1/2"-14	3/8"-18	<b>5000-8-6</b>	3000	<b>3.70</b>
3/4"-14	3/4"-14	<b>5000-12</b>	2500	<b>4.45</b>
1"-11½	1"-11½	<b>5000-16</b>	2000	<b>8.75</b>
1"-11½	3/4"-14	<b>5000-16-12</b>	2000	<b>9.30</b>
1-1/4"-11½	1-1/4"-11½	<b>5000-20</b>	1150	<b>20.70</b>

### male NPTF hex pipe nipples

• reference SAE 140137



Male NPTF Pipe	Male NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/8"-27	1/8"-27	<b>5404-2</b>	5000	<b>\$1.15</b>
1/4"-18	1/4"-18	<b>5404-4</b>	5000	<b>1.35</b>
3/8"-18	3/8"-18	<b>5404-6</b>	4000	<b>2.00</b>
3/8"-18	1/4"-18	<b>5404-6-4</b>	4000	<b>1.90</b>
1/2"-14	1/2"-14	<b>5404-8</b>	3000	<b>2.60</b>
1/2"-14	3/8"-18	<b>5404-8-6</b>	3000	<b>2.50</b>
3/4"-14	3/4"-14	<b>5404-12</b>	2500	<b>4.05</b>
3/4"-14	1/2"-14	<b>5404-12-8</b>	2500	<b>3.80</b>
1"-11½	1"-11½	<b>5404-16</b>	2000	<b>6.35</b>
1"-11½	3/4"-14	<b>5404-16-12</b>	2000	<b>6.00</b>
1-1/4"-11½	1-1/4"-11½	<b>5404-20</b>	1150	<b>14.10</b>

## Hydraulic Pipe Fittings

### male NPTF x female NPTF hex reducer bushings

Male NPTF Pipe	Female NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/8"-27	<b>5406-4-2</b>	5000	<b>\$1.45</b>
3/8"-18	1/8"-27	<b>5406-6-2</b>	4000	<b>1.60</b>
3/8"-18	1/4"-18	<b>5406-6-4</b>	4000	<b>1.60</b>
1/2"-14	1/8"-27	<b>5406-8-2</b>	3000	<b>2.60</b>
1/2"-14	1/4"-18	<b>5406-8-4</b>	3000	<b>2.55</b>
1/2"-14	3/8"-18	<b>5406-8-6</b>	3000	<b>2.55</b>
3/4"-14	1/8"-27	<b>5406-12-2</b>	2500	<b>4.35</b>
3/4"-14	1/4"-18	<b>5406-12-4</b>	2500	<b>4.20</b>
3/4"-14	3/8"-18	<b>5406-12-6</b>	2500	<b>3.85</b>
3/4"-14	1/2"-14	<b>5406-12-8</b>	2500	<b>3.85</b>
1"-11½	1/4"-18	<b>5406-16-4</b>	2000	<b>7.50</b>
1"-11½	3/8"-18	<b>5406-16-6</b>	2000	<b>7.50</b>
1"-11½	1/2"-14	<b>5406-16-8</b>	2000	<b>7.25</b>
1"-11½	3/4"-14	<b>5406-16-12</b>	2000	<b>7.25</b>
1-1/4"-11½	3/8"-18	<b>5406-20-6</b>	1150	<b>14.75</b>
1-1/4"-11½	1/2"-14	<b>5406-20-8</b>	1150	<b>14.75</b>
1-1/4"-11½	3/4"-14	<b>5406-20-12</b>	1150	<b>14.75</b>
1-1/4"-11½	1"-11½	<b>5406-20-16</b>	1150	<b>13.90</b>
1-1/2"-11½	1/2"-14	<b>5406-24-8</b>	1000	<b>21.05</b>
1-1/2"-11½	3/4"-14	<b>5406-24-12</b>	1000	<b>16.80</b>
1-1/2"-11½	1"-11½	<b>5406-24-16</b>	1000	<b>16.80</b>
1-1/2"-11½	1-1/4"-11½	<b>5406-24-20</b>	1000	<b>18.10</b>
2"-11½"	1/2"-14	<b>5406-32-8</b>	1000	<b>66.25</b>
2"-11½"	3/4"-14	<b>5406-32-12</b>	1000	<b>37.35</b>
2"-11½"	1"-11½	<b>5406-32-16</b>	1000	<b>37.35</b>
2"-11½"	1-1/4"-11½	<b>5406-32-20</b>	1000	<b>37.35</b>
2"-11½"	1-1/2"-11½	<b>5406-32-24</b>	1000	<b>37.35</b>



### female NPTF hex pipe caps

Female NPTF Pipe	Zinc Plated Steel		
	Part #	PSI	Price/E
1/8"-27	<b>5406C-2</b>	5000	<b>\$1.45</b>
1/4"-18	<b>5406C-4</b>	5000	<b>1.85</b>
3/8"-18	<b>5406C-6</b>	4000	<b>2.65</b>
1/2"-14	<b>5406C-8</b>	3000	<b>4.20</b>
3/4"-14	<b>5406C-12</b>	2500	<b>6.35</b>
1"-11½	<b>5406C-16</b>	2000	<b>9.65</b>
1-1/4"-11½	<b>5406C-20</b>	1150	<b>49.15</b>
1-1/2"-11½	<b>5406C-24</b>	1000	<b>66.60</b>



### male NPTF x female NPTF 90° street elbows

• reference 140239

Male NPTF Pipe	Female NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-18	<b>5502-4</b>	5000	<b>\$5.55</b>
3/8"-18	3/8"-18	<b>5502-6</b>	4000	<b>6.45</b>
1/2"-14	1/2"-14	<b>5502-8</b>	3000	<b>7.35</b>
3/4"-14	3/4"-14	<b>5502-12</b>	2500	<b>10.35</b>
1"-11½	1"-11½	<b>5502-16</b>	2000	<b>16.70</b>
1-1/4"-11½	1-1/4"-11½	<b>5502-20</b>	1150	<b>23.70</b>



### male NPTF x female NPTF run tees

• reference 140424

Male NPTF Pipe	Female NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/8"-27	1/8"-27	<b>5602-2</b>	5000	<b>\$4.60</b>
1/4"-18	1/4"-18	<b>5602-4</b>	5000	<b>5.70</b>
3/8"-18	3/8"-18	<b>5602-6</b>	4000	<b>10.35</b>
1/2"-14	1/2"-14	<b>5602-8</b>	3000	<b>13.50</b>
3/4"-14	3/4"-14	<b>5602-12</b>	2500	<b>16.95</b>
1"-11½	1"-11½	<b>5602-16</b>	2000	<b>30.25</b>
1-1/4"-11½	1-1/4"-11½	<b>5602-20</b>	1150	<b>44.85</b>
1-1/2"-11½	1-1/2"-11½	<b>5602-24</b>	1000	<b>279.95</b>



Hydraulic Couplings

## Hydraulic Pipe Fittings

### female NPTF pipe tees

• reference 140438



Female NPTF Pipe	Female NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-18	<b>5605-4</b>	5000	<b>\$8.45</b>
3/8"-18	3/8"-18	<b>5605-6</b>	4000	<b>10.35</b>
1/2"-14	1/2"-14	<b>5605-8</b>	3000	<b>11.60</b>
3/4"-14	3/4"-14	<b>5605-12</b>	2500	<b>17.30</b>
1"-11½	1"-11½	<b>5605-16</b>	2000	<b>27.45</b>

### 90° male pipe elbows



Male NPTF Pipe	Male NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-18	<b>5500-4</b>	5000	<b>\$3.45</b>
3/8"-18	3/8"-18	<b>5500-6</b>	4000	<b>4.25</b>
1/2"-14	1/2"-14	<b>5500-8</b>	3000	<b>6.05</b>
3/4"-14	3/4"-14	<b>5500-12</b>	2500	<b>10.00</b>
1"-11½	1"-11½	<b>5500-16</b>	2000	<b>12.55</b>

### 90° female pipe elbows



Female NPTF Pipe	Female NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-18	<b>5504-4</b>	5000	<b>\$3.15</b>
3/8"-18	3/8"-18	<b>5504-6</b>	4000	<b>4.75</b>
1/2"-14	1/2"-14	<b>5504-8</b>	3000	<b>7.80</b>
3/4"-14	3/4"-14	<b>5504-12</b>	2500	<b>11.50</b>
1"-11 1/2	1"-11 1/2	<b>5504-16</b>	2000	<b>18.65</b>

### male pipe tees



Male NPTF Pipe	Zinc Plated Steel		
	Part #	PSI	Price/E
1/4"-18	<b>5600-4</b>	5000	<b>\$5.90</b>
3/8"-18	<b>5600-6</b>	4000	<b>10.45</b>
1/2"-14	<b>5600-8</b>	3000	<b>12.95</b>
3/4"-14	<b>5600-12</b>	2500	<b>16.20</b>
1"-11½	<b>5600-16</b>	2000	<b>23.50</b>

### pipe tees



Male NPTF Pipe	Female NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-18	<b>5601-4</b>	5000	<b>\$8.30</b>
3/8"-18	3/8"-18	<b>5601-6</b>	4000	<b>10.20</b>
1/2"-14	1/2"-14	<b>5601-8</b>	3000	<b>12.70</b>
3/4"-14	3/4"-14	<b>5601-12</b>	2500	<b>20.55</b>
1"-11½	1"-11½	<b>5601-16</b>	2000	<b>32.05</b>

### branch tees



Female NPTF Pipe	Male NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-18	<b>5604-4</b>	5000	<b>\$7.00</b>
3/8"-18	3/8"-18	<b>5604-6</b>	4000	<b>9.95</b>
1/2"-14	1/2"-14	<b>5604-8</b>	3000	<b>13.55</b>
3/4"-14	3/4"-14	<b>5604-12</b>	2500	<b>18.60</b>
1"-11½	1"-11½	<b>5604-16</b>	2000	<b>29.95</b>

**Hydraulic 37° JIC Adapters****male 37° flare x male NPTF**

Male 37° Flare	Male NPTF	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/8"-27	<b>2404-4-2</b>	4500	<b>\$1.20</b>
7/16"-20	1/4"-18	<b>2404-4-4</b>	4500	<b>1.55</b>
7/16"-20	3/8"-18	<b>2404-4-6</b>	4000	<b>2.05</b>
7/16"-20	1/2"-18	<b>2404-4-8</b>	3000	<b>4.95</b>
9/16"-18	1/8"-27	<b>2404-6-2</b>	4000	<b>1.75</b>
9/16"-18	1/4"-18	<b>2404-6-4</b>	4000	<b>1.55</b>
9/16"-18	3/8"-18	<b>2404-6-6</b>	4000	<b>2.10</b>
9/16"-18	1/2"-14	<b>2404-6-8</b>	3000	<b>2.45</b>
3/4"-16	1/4"-18	<b>2404-8-4</b>	4000	<b>2.25</b>
3/4"-16	3/8"-18	<b>2404-8-6</b>	4000	<b>2.25</b>
3/4"-16	1/2"-14	<b>2404-8-8</b>	3000	<b>2.55</b>
3/4"-16	3/4"-14	<b>2404-8-12</b>	2500	<b>4.20</b>
7/8"-14	1/2"-14	<b>2404-10-8</b>	3000	<b>2.75</b>
7/8"-14	3/4"-14	<b>2404-10-12</b>	2500	<b>4.05</b>
1-1/16"-12	1/2"-14	<b>2404-12-8</b>	3000	<b>5.35</b>
1-1/16"-12	3/4"-14	<b>2404-12-12</b>	2500	<b>4.20</b>
1-1/16"-12	1"-11½	<b>2404-12-16</b>	2000	<b>6.15</b>
1-5/16"-12	3/4"-14	<b>2404-16-12</b>	2500	<b>8.80</b>
1-5/16"-12	1"-11½	<b>2404-16-16</b>	2000	<b>6.25</b>

**male 37° flare x female NPTF**

Male 37° Flare	Female NPTF	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/8"-27	<b>2405-4-2</b>	4500	<b>\$2.40</b>
7/16"-20	1/4"-18	<b>2405-4-4</b>	4500	<b>2.95</b>
9/16"-18	1/4"-18	<b>2405-6-4</b>	4000	<b>3.05</b>
9/16"-18	3/8"-18	<b>2405-6-6</b>	4000	<b>3.00</b>
9/16"-18	1/2"-14	<b>2405-6-8</b>	3000	<b>4.50</b>
3/4"-16	3/8"-18	<b>2405-8-6</b>	4000	<b>3.80</b>
3/4"-16	1/2"-14	<b>2405-8-8</b>	3000	<b>4.20</b>
3/4"-16	3/4"-14	<b>2405-8-12</b>	2500	<b>13.35</b>
7/8"-14	1/2"-14	<b>2405-10-8</b>	3000	<b>5.95</b>
1-1/16"-12	3/4"-14	<b>2405-12-12</b>	2500	<b>6.65</b>
1-1/16"-12	1"-11½	<b>2405-12-16</b>	2000	<b>20.80</b>
1-5/16"-12	1"-11½	<b>2405-16-16</b>	2000	<b>9.15</b>

Hydraulic  
Couplings**45° male 37° flare x male NPTF**

Male 37° Flare	Male NPTF	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/8"-27	<b>2503-4-2</b>	4500	<b>\$2.90</b>
7/16"-20	1/4"-18	<b>2503-4-4</b>	4500	<b>3.15</b>
9/16"-18	1/4"-18	<b>2503-6-4</b>	4000	<b>3.40</b>
9/16"-18	3/8"-18	<b>2503-6-6</b>	4000	<b>3.90</b>
3/4"-16	1/4"-18	<b>2503-8-4</b>	4000	<b>4.75</b>
3/4"-16	3/8"-18	<b>2503-8-6</b>	4000	<b>4.70</b>
3/4"-16	1/2"-14	<b>2503-8-8</b>	3000	<b>5.00</b>
7/8"-14	1/2"-14	<b>2503-10-8</b>	3000	<b>6.55</b>
7/8"-14	3/4"-14	<b>2503-10-12</b>	2500	<b>7.65</b>
1-1/16"-12	3/4"-14	<b>2503-12-12</b>	2500	<b>8.00</b>
1-5/16"-12	1"-11½	<b>2503-16-16</b>	2000	<b>14.10</b>





**Hydraulic 37° JIC Adapters****90° male 37° flare x male NPTF**

Male 37° Flare	Male NPTF	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/8"-27	<b>2501-4-2</b>	4500	<b>\$3.15</b>
7/16"-20	1/4"-18	<b>2501-4-4</b>	4500	<b>3.05</b>
7/16"-20	3/8"-18	<b>2501-4-6</b>	4000	<b>4.10</b>
9/16"-18	1/4"-18	<b>2501-6-4</b>	4000	<b>2.80</b>
9/16"-18	1/8"-27	<b>2501-6-2</b>	4000	<b>3.75</b>
9/16"-18	3/8"-18	<b>2501-6-6</b>	4000	<b>3.90</b>
9/16"-18	1/2"-14	<b>2501-6-8</b>	3000	<b>4.80</b>
3/4"-16	1/4"-18	<b>2501-8-4</b>	4000	<b>5.70</b>
3/4"-16	3/8"-18	<b>2501-8-6</b>	4000	<b>4.90</b>
3/4"-16	1/2"-14	<b>2501-8-8</b>	3000	<b>5.25</b>
3/4"-16	3/4"-14	<b>2501-8-12</b>	2500	<b>7.80</b>
7/8"-14	1/2"-14	<b>2501-10-8</b>	3000	<b>6.25</b>
7/8"-14	3/4"-14	<b>2501-10-12</b>	2500	<b>8.10</b>
1-1/16"-12	1/2"-14	<b>2501-12-8</b>	3000	<b>8.10</b>
1-1/16"-12	3/4"-14	<b>2501-12-12</b>	2500	<b>8.65</b>
1-5/16"-12	3/4"-14	<b>2501-16-12</b>	2500	<b>12.40</b>
1-5/16"-12	1"-11½	<b>2501-16-16</b>	2000	<b>12.00</b>

**Hydraulic Female 37° Swivel Adapters****45° swivel elbow  
male 37° flare x female 37° swivel**

SAE 37° Male	SAE 37° Female Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>6502-4</b>	4500	<b>\$3.90</b>
9/16"-18	9/16"-18	<b>6502-6</b>	4000	<b>4.30</b>
3/4"-16	3/4"-16	<b>6502-8</b>	4000	<b>4.90</b>
7/8"-14	7/8"-14	<b>6502-10</b>	3000	<b>9.15</b>
1 1/16"-12	1 1/16"-12	<b>6502-12</b>	3000	<b>10.40</b>
1 5/16"-12	1 5/16"-12	<b>6502-16</b>	2500	<b>16.95</b>
1 5/8"-12	1 5/8"-12	<b>6502-20</b>	2000	<b>35.00</b>

**swivel branch tees  
male 37° flare x female 37° swivel**

SAE 37° Male	SAE 37° Female Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>6600-4</b>	4500	<b>\$5.70</b>
9/16"-18	9/16"-18	<b>6600-6</b>	4000	<b>5.90</b>
3/4"-16	3/4"-16	<b>6600-8</b>	4000	<b>7.85</b>
1 1/16"-12	1 1/16"-12	<b>6600-12</b>	3000	<b>15.85</b>
1 5/16"-12	1 5/16"-12	<b>6600-16</b>	2500	<b>25.85</b>

**37° Flare Tube Fittings**

- reference SAE 070112

**JIC caps**

JIC Cap Nut	Tube OD	Zinc Plated Steel		
		Part #	PSI	Price/E
5/16"-24	1/8"	<b>0304C-2</b>	5000	<b>\$1.55</b>
7/16"-20	1/4"	<b>0304C-4</b>	5000	<b>0.85</b>
9/16"-18	3/8"	<b>0304C-6</b>	5000	<b>0.95</b>
3/4"-16	1/2"	<b>0304C-8</b>	4500	<b>1.35</b>
7/8"-14	5/8"	<b>0304C-10</b>	3500	<b>1.65</b>
1-1/16"-12	3/4"	<b>0304C-12</b>	3500	<b>2.45</b>
1-5/16"-12	1"	<b>0304C-16</b>	3000	<b>3.55</b>
1-5/8"-12	1-1/4"	<b>0304C-20</b>	2500	<b>7.10</b>
1-7/8"-12	1-1/2"	<b>0304C-24</b>	2000	<b>15.85</b>
2-1/2"-12	2"	<b>0304C-32</b>	1500	<b>24.10</b>



- reference SAE 070118

**bulkhead lock nuts**

Bulkhead Lock Nut	Tube OD	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/4"	<b>0306-4</b>	5000	<b>\$0.55</b>
9/16"-18	3/8"	<b>0306-6</b>	5000	<b>0.60</b>
3/4"-16	1/2"	<b>0306-8</b>	4500	<b>0.85</b>
7/8"-14	5/8"	<b>0306-10</b>	3500	<b>0.95</b>
1-1/16"-12	3/4"	<b>0306-12</b>	3500	<b>1.45</b>
1-5/16"-12	1"	<b>0306-16</b>	3000	<b>2.05</b>



- reference SAE070425

**male 37° flare x male NPTF branch tees**

Male 37° Flare (2)	Male NPTF Pipe	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/4"-18	<b>2601-4-4-4</b>	5000	<b>\$5.40</b>
9/16"-18	3/8"-18	<b>2601-6-6-6</b>	4000	<b>7.10</b>
9/16"-18	1/4"-18	<b>2601-6-6-4</b>	5000	<b>4.75</b>
3/4"-16	1/2"-14	<b>2601-8-8-8</b>	3000	<b>8.55</b>
7/8"-14	1/2"-14	<b>2601-10-10-8</b>	3000	<b>9.70</b>
1-1/16"-12	3/4"-14	<b>2601-12-12-12</b>	2500	<b>13.40</b>
1-5/16"-12	1"-11½"	<b>2601-16-16-16</b>	2000	<b>21.45</b>



Hydraulic Couplings

- reference SAE 070401

**union tees**

Male 37° Flare	Zinc Plated Steel		
	Part #	PSI	Price/E
7/16"-20	<b>2603-4</b>	5000	<b>\$4.75</b>
9/16"-18	<b>2603-6</b>	5000	<b>4.35</b>
3/4"-16	<b>2603-8</b>	4500	<b>7.10</b>
7/8"-14	<b>2603-10</b>	3500	<b>9.75</b>
1-1/16"-12	<b>2603-12</b>	3500	<b>13.35</b>
1-5/16"-12	<b>2603-16</b>	3000	<b>19.10</b>

**tube nuts**

JIC 37°	Zinc Plated Steel		
	Part #	PSI	Price/E
7/16"-20	<b>0318-4</b>	5000	<b>\$0.85</b>
9/16"-18	<b>0318-6</b>	5000	<b>1.05</b>
3/4"-16	<b>0318-8</b>	4500	<b>1.55</b>
7/8"-14	<b>0318-10</b>	3500	<b>1.90</b>
1-1/16"-12	<b>0318-12</b>	3500	<b>2.55</b>
1-5/16"-12	<b>0318-16</b>	3000	<b>3.45</b>

**tube sleeves**

JIC 37°	Zinc Plated Steel		
	Part #	PSI	Price/E
7/16"-20	<b>0319-4</b>	5000	<b>\$0.55</b>
9/16"-18	<b>0319-6</b>	5000	<b>0.70</b>
3/4"-16	<b>0319-8</b>	4500	<b>0.80</b>
7/8"-14	<b>0319-10</b>	3500	<b>1.05</b>
1-1/16"-12	<b>0319-12</b>	3500	<b>1.35</b>
1-5/16"-12	<b>0319-16</b>	3000	<b>2.45</b>



**37° Flare Bulkhead Fittings**

- reference SAE 070601

**bulkhead union with lock nut**

Male 37° Flare	Zinc Plated Steel		
	Part #	PSI	Price/E
7/16"-20	<b>2700LN-4</b>	5000	<b>\$3.40</b>
9/16"-18	<b>2700LN-6</b>	5000	<b>3.70</b>
3/4"-16	<b>2700LN-8</b>	4500	<b>5.65</b>
7/8"-14	<b>2700LN-10</b>	3500	<b>7.45</b>
1-1/16"-12	<b>2700LN-12</b>	3500	<b>9.60</b>
1-5/16"-12	<b>2700LN-16</b>	3000	<b>13.65</b>

- reference SAE 070701

**90° bulkhead elbow with lock nut**

Male 37° Flare	Zinc Plated Steel		
	Part #	PSI	Price/E
7/16"-20	<b>2701LN-4</b>	5000	<b>\$4.50</b>
9/16"-18	<b>2701LN-6</b>	5000	<b>5.35</b>
3/4"-16	<b>2701LN-8</b>	4500	<b>8.80</b>
7/8"-14	<b>2701LN-10</b>	3500	<b>12.45</b>
1-1/16"-12	<b>2701LN-12</b>	3500	<b>13.85</b>
1-5/16"-12	<b>2701LN-16</b>	3000	<b>19.65</b>

**Female 37° Swivel Fittings**

- reference SAE 070221

**male 37° flare x female 37° swivel 90° elbows**

Male 37° Flare	Female 37° Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>6500-4</b>	5000	<b>\$3.25</b>
9/16"-18	9/16"-18	<b>6500-6</b>	5000	<b>3.65</b>
9/16"-18	7/16"-20	<b>6500-6-4</b>	5000	<b>5.40</b>
9/16"-18	3/4"-16	<b>6500-6-8</b>	4500	<b>5.90</b>
3/4"-16	3/4"-16	<b>6500-8</b>	4500	<b>5.55</b>
3/4"-16	7/8"-14	<b>6500-8-10</b>	3500	<b>9.10</b>
3/4"-16	9/16"-18	<b>6500-8-6</b>	4500	<b>6.10</b>
7/8"-14	7/8"-14	<b>6500-10</b>	3500	<b>7.30</b>
1-1/16"-12	1-1/16"-12	<b>6500-12</b>	3500	<b>9.75</b>
1-1/16"-12	7/8"-14	<b>6500-12-10</b>	3500	<b>11.65</b>
1-5/16"-12	1-5/16"-12	<b>6500-16</b>	3000	<b>17.25</b>
1-5/8"-12	1-5/8"-12	<b>6500-20</b>	2500	<b>35.55</b>

- reference SAE 070432

**male 37° flare x female 37° swivel run tees**

Male 37° Flare	Female 37° Swivel	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	7/16"-20	<b>6602-4</b>	4500	<b>\$5.95</b>
9/16"-18	9/16"-18	<b>6602-6</b>	4000	<b>6.45</b>
3/4"-16	3/4"-16	<b>6602-8</b>	4000	<b>8.75</b>
7/8"-14	7/8"-14	<b>6602-10</b>	3000	<b>12.80</b>
1-1/16"-12	1-1/16"-12	<b>6602-12</b>	3000	<b>15.30</b>
1-5/16"-12	1-5/16"-12	<b>6602-16</b>	2500	<b>26.15</b>
1-5/8"-12	1-5/8"-12	<b>6602-20</b>	2000	<b>54.65</b>

**Metric Thread Adapters****male 37° flare x male metric parallel thread**

SAE 37° Male	Male Metric Thread	Zinc Plated Steel	
		Part #	Price/E
7/16"-20	M10X1.0	<b>M7400-4-10</b>	<b>\$7.30</b>
7/16"-20	M12X1.5	<b>M7400-4-12</b>	<b>8.65</b>
9/16"-18	M14X1.5	<b>M7400-6-14</b>	<b>9.15</b>
9/16"-18	M16X1.5	<b>M7400-6-16</b>	<b>11.05</b>
3/4"-16	M16X1.5	<b>M7400-8-16</b>	<b>11.55</b>
3/4"-16	M18X1.5	<b>M7400-8-18</b>	<b>11.95</b>
1-1/16"-12	M22X1.5	<b>M7400-12-22</b>	<b>18.30</b>
1-1/16"-12	M27X2.0	<b>M7400-12-27</b>	<b>20.65</b>
1-5/16"-12	M33X2.0	<b>M7400-16-33</b>	<b>27.95</b>

**female NPTF pipe x male metric parallel thread**

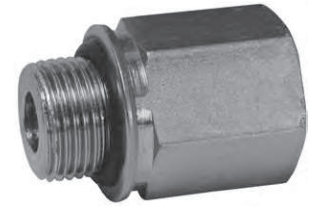
Female NPTF	Male Metric Thread	Zinc Plated Steel	
		Part #	Price/E
1/4"-18	M12X1.5	<b>M7455-4-12</b>	<b>\$11.55</b>
1/4"-18	M14X1.5	<b>M7455-4-14</b>	<b>12.55</b>
3/8"-18	M16X1.5	<b>M7455-6-16</b>	<b>13.15</b>
3/8"-18	M18X1.5	<b>M7455-6-18</b>	<b>13.65</b>
1/2"-14	M16X1.5	<b>M7455-8-16</b>	<b>15.35</b>
1/2"-14	M18X1.5	<b>M7455-8-18</b>	<b>15.70</b>
1/2"-14	M22X1.5	<b>M7455-8-22</b>	<b>16.50</b>
3/4"-14	M27X2.0	<b>M7455-12-27</b>	<b>23.20</b>
1"-11 1/2	M33X2.0	<b>M7455-16-33</b>	<b>32.20</b>



Hydraulic Couplings

**British Thread Metric Adapters****female NPTF pipe x male BSPP**

Female NPTF	Male British Parallel	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-19	<b>B3455-4-4</b>	5000	<b>\$10.00</b>
3/8"-18	3/8"-19	<b>B3455-6-6</b>	4000	<b>12.45</b>
1/2"-14	1/2"-14	<b>B3455-8-8</b>	3000	<b>15.45</b>
3/4"-14	3/4"-14	<b>B3455-12-12</b>	2500	<b>30.65</b>
1"-11 1/2	1"-11	<b>B3455-16-16</b>	2000	<b>42.80</b>

**male NPTF pipe x male BSPP**

Male NPTF	Male British Parallel	Zinc Plated Steel		
		Part #	PSI	Price/E
1/4"-18	1/4"-19	<b>B3401-4-4</b>	5000	<b>\$8.55</b>
3/8"-18	3/8"-19	<b>B3401-6-6</b>	4000	<b>11.55</b>
1/2"-14	1/2"-14	<b>B3401-8-8</b>	3000	<b>13.35</b>
3/4"-14	3/4"-14	<b>B3401-12-12</b>	2500	<b>26.80</b>
1"-11 1/2	1"-11	<b>B3401-16-16</b>	2000	<b>39.85</b>



## British Thread Metric Adapters

### male 37° flare x male BSPP



SAE 37° Male	Male British Parallel	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/4"-19	<b>B3800-4-4</b>	5000	<b>\$8.10</b>
9/16"-18	3/8"-19	<b>B3800-6-6</b>	4000	<b>9.20</b>
3/4"-16	1/2"-14	<b>B3800-8-8</b>	3000	<b>11.20</b>
1-1/16"-12	3/4"-14	<b>B3800-12-12</b>	2500	<b>16.85</b>
1-5/16"-12	1"-11	<b>B3800-16-16</b>	2000	<b>27.45</b>

### male 37° flare x male BSPP 90° Elbow



SAE 37° Male	Male British Parallel	Zinc Plated Steel		
		Part #	PSI	Price/E
7/16"-20	1/4"-19	<b>B3801-4-4</b>	5000	<b>\$13.10</b>
9/16"-18	3/8"-19	<b>B3801-6-6</b>	4000	<b>14.55</b>
3/4"-16	1/2"-14	<b>B3801-8-8</b>	3000	<b>16.85</b>
1-1/16"-12	3/4"-14	<b>B3801-12-12</b>	2500	<b>32.75</b>
1-5/16"-12	1"-11	<b>B3801-16-16</b>	2000	<b>45.25</b>

### bonded doughy seal for British Thread



Bonded Seal	Plated Carbon Steel with Buna O-ring	
	Part #	Price/E
1/4"	<b>BDS04</b>	<b>\$2.50</b>
3/8"	<b>BDS06</b>	<b>2.80</b>
1/2"	<b>BDS08</b>	<b>3.00</b>
3/4"	<b>BDS12</b>	<b>4.60</b>
1"	<b>BDS16</b>	<b>4.90</b>