

# Adapters



## Pipe Fittings

- SAE Standards
- Dryseal Threads
- Forgings & Extrusions



## Metric Adapters

- Economical
- Reusable
- Forgings & Extrusions



## ISO Port Adapters


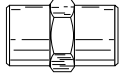



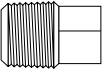
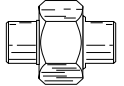

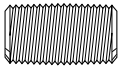
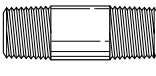
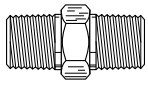
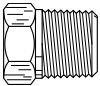
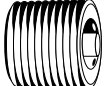



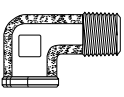
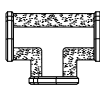

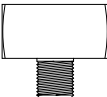
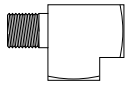
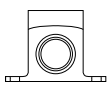


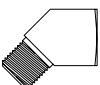
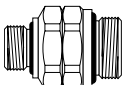
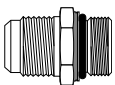

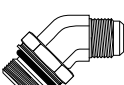

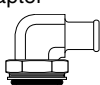
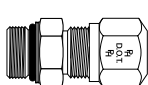



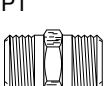
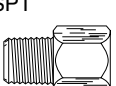













- Meets ISO 6149-3 Requirements
- Meets SAE 2244-3 Requirements
- Viton O-rings Standard



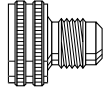
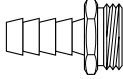




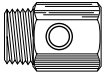
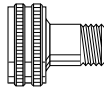
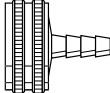







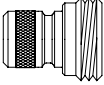


## Garden Hose Fittings

- Heavy Duty Construction
- Coupler option
- Use with Hose Clamp

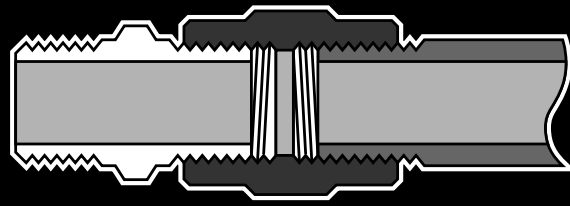
***The World Standard***

<b>Industrial Pipe Fittings</b>	<b>207ACBH</b> Anchor Coupling  Page F6	<b>207P</b> Pipe Coupling  Page F6	<b>208P</b> Reducer Coupling  Page F6	<b>209P</b> Pipe Bushing  Page F6	<b>210P</b> Lock Nut  Page F6	<b>211P</b> Square-head Plug  Page F7		
	<b>212P</b> Union  Page F7	<b>213P</b> Cap  Page F7	<b>215PN</b> Close Nipple  Page F7	<b>215PNL</b> Long Nipple  Page F7	<b>216P</b> Hex Nipple  Page F8	<b>218P</b> Hex-Head Plug  Page F8	<b>219P</b> Countersunk Plug  Page F8	
	<b>220P</b> Slotted-Head Plug  Page F8	<b>222P</b> Adapter  Page F9	<b>1200P-2200P</b> Union Elbow  Page F9	<b>1202P-2202P</b> Street Elbow  Page F9	<b>1203P-2203P</b> Union Tee  Page F10	<b>1204P</b> Male Elbow  Page F10	<b>2224P</b> Male Branch Tee  Page F10	
	<b>2225P</b> Street Tee  Page F10	<b>2200PDE</b> Drop-Ear Elbow  Page F11	<b>2201P</b> 45° Female Elbow  Page F11	<b>2205P</b> Cross  Page F11	<b>2214P</b> 45° Street Elbow  Page F11	<b>Metric Straight Thread Adapters</b>		
	<b>M16M22F8UHA8UB</b> Union  Page F14 & E18	<b>48F-MI</b> Flare Adapter  Page F18	<b>149F-MI</b> Flare Adapter  Page F18	<b>159F-MI</b> Flare Adapter  Page F18	<b>68HB-MI</b> Hose Barb Adapter  Page F19	<b>169HB-MI</b> Hose Barb Adapter  Page F19	<b>68NTA-MI</b> NTA Adapter  Page F19	
	<b>179HB-MI</b> Hose Barb Adapter  Page F19	<b>BSP Adapters</b>		<b>CD43</b> Street Elbow  Page F13	<b>DD44</b> Elbow  Page F13	<b>F3HF</b> Hex Nipple NPTF-BSPT  Page F13	<b>F3HG</b> Adapter-Male BSPT  Page F13	<b>FF33</b> BSPT Hex Nipple  Page F13
	<b>FF44</b> BSPP Hex Nipple  Page F14	<b>FG43</b> Adapter-Male BSPT  Page F14	<b>FHG4</b> Female-BSPP  Page F14	<b>GG44</b> Coupling BSPP  Page F15	<b>HHP3</b> BSPT Plug  Page F15	<b>HP3</b> BSPT Plug  Page F15	<b>KMMO04</b> BSPP Cross  Page F15	
<b>MMO444</b> BSPP Tee  Page F15	<b>MMS443</b> Branch Tee  Page F16	<b>MRO434</b> Run Tee  Page F16	<b>PTR34</b> Pipe Reducer  Page F16	<b>WGG44</b> Bulkhead Union  Page 16				

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<b>Garden Hose Fittings</b>	<b>50GHSV</b> Swivel Connector  Page F21	<b>53GH, 54GH, 55GH</b> Hose Barb  Page F21	<b>69GH, 70GH, 71GH</b> Male Pipe  Page F21	<b>75GH</b> Connector  Page F21	<b>78GH, 79GH, 80GH, 81GH</b> Female Pipe  Page F21	<b>82GH, 83GH</b> Female Hose  Page F21	
	<b>84GH</b> Filter Adapter  Page F21	<b>88GH</b> Swivel Connector  Page F22	<b>90GH</b> Swivel Connector  Page F22	<b>94GH</b> Hose Nut  Page F22	<b>95GH</b> Hose Nut Reducer  Page F22	<b>96GH</b> Hose Cap  Page F22	<b>98GH, 99GH</b> Hose to Pipe  Page F22
	<b>98GHSV, 99GHSV</b> Swivel Connector  Page F23	<b>101GHSV</b> Swivel Nut Connector  Page F23	<b>1163-60-BPD</b> Coupler  Page F23	<b>1163-61-BPD</b> Nipple  Page F23	<b>Auxiliary</b>	<b>112</b> Copper Ring  Page F16	<b>901GH</b> Rubber Washer  Page F23

**F**



# Pipe Fittings

## Advantages

All pipe fitting threads are made to Dryseal standards.\* Connectors, unions, nuts and extruded elbows and tees are machined from CA 360 and CA 345 brass; forged elbows and tees are machined from CA 377 brass.

## Specifications

Meets functional requirements of the SAE J530 and SAE J531.

## Applications

Use with brass, copper or iron pipe. Manufactured for low and medium pressure line connection work.

## Working Pressure and Temperature Ranges

From -65° to +250°F. at 1000 psi.

## Vibration

Fair resistance to vibration and pipe movement depending upon conditions.

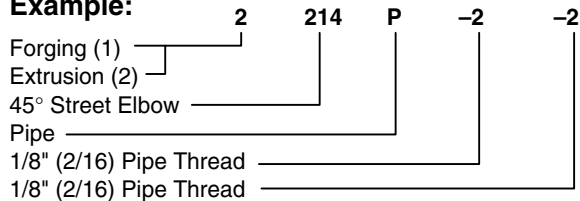
## Order

By part number and name.

## Nomenclature

Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identifies the style and type fitting. The second series of numbers describes the size.

### Example:



## Sizes

Pipe sizes are determined by the number of sixteenths of an inch in the pipe size.

## Special Fittings

Fitting configurations and/or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry.

## Pricing

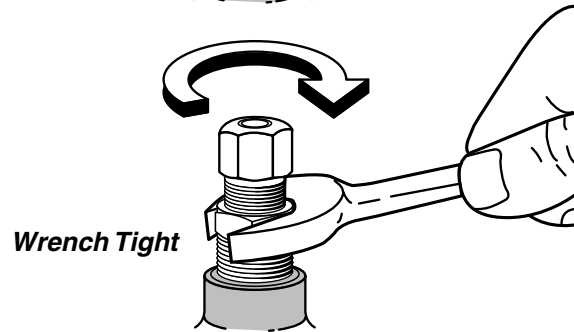
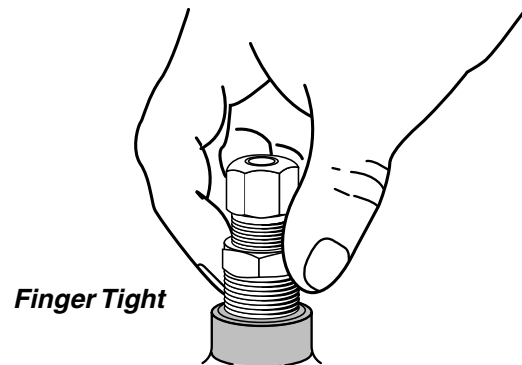
Only items prices in current supplementary price list PL3501 are carried in stock. Price and delivery for non-stock items furnished on request for specified quantity.

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**Pipe thread assembly guide (turns method)  
for Dryseal threads with pre-applied Vibra Seal**

**Straight Fittings**

1. Tighten external thread into the internal thread.
2. Tighten an additional 2 revolutions with a wrench up to 1/2 in. male pipe thread. Above 1/2 in., 1 1/2 to 2 1/2 revolutions.

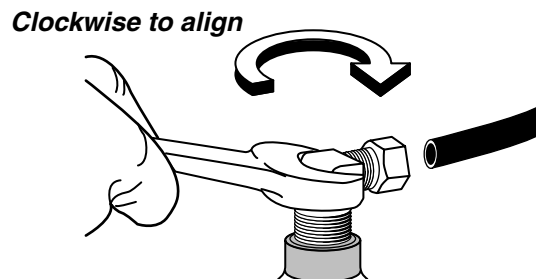
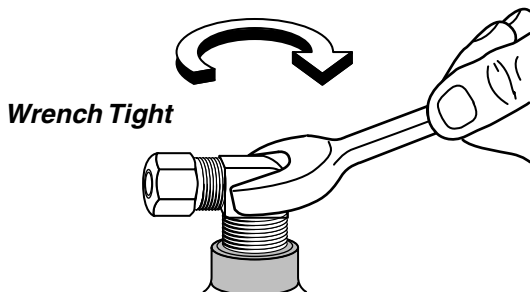
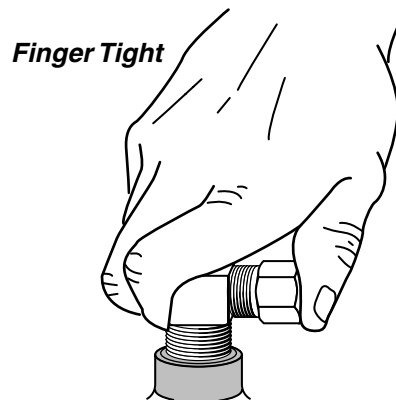


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**Elbow or Tee Fittings**

1. Tighten external thread into the internal thread.
2. Tighten an additional 1 to 1 1/2 revolutions with a wrench.
3. Tighten fitting, Clockwise, to Align with Tubing (never counter clockwise).

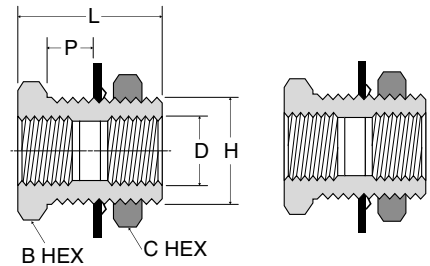
*Note: To minimize the possibility of a leaking threaded joint after assembling male to female pipe threads, neither end should be backed out (loosened) once the assembly has been made.*



**Anchor Coupling 207ACBH**

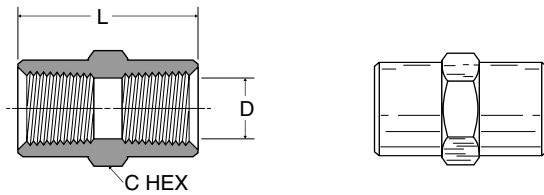
PART NO.	FEAMLE PIPE THREAD	STRAIGHT THREAD	MAX. BULK HEAD P	B HEX	C HEX	L	BULKHEAD HOLE DIA. H	FLOW DIA. D
207ACBH-2	1/8	5/8-18	.89	7/8	15/16	1.50	5/8	.339
207ACBHS-2	1/8	5/8-18	.35	7/8	15/16	.96	5/8	.339
207ACBH-4	1/4	3/4-16	.81	1	1-1/8	1.50	3/4	.441
207ACBHS-4	1/4	3/4-16	.26	1	1	.94	3/4	.441
207ACBH-6	3/8	1-14	.62	1-1/8	1-1/4	1.31	1	.571
207ACBH-8	1/2	1-1/8-14	.75	1-1/4	1-3/8	1.50	1-1/8	.703
207ACBH-12	3/4	1-5/16-12	.65	1-1/2	1-1/2	1.50	1-5/16	.906
207ACBH-16*	1	1-5/8-14	1.00	2	2	1.68	1-5/8	1.140

\*Lock Washer not Available



**Coupling 207P**

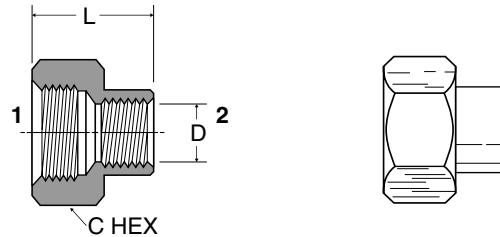
PART NO.	PIPE THREAD	C HEX	L	FLOW DIA. D
207P-2	1/8	9/16	.75	.339
207P-4	1/4	3/4	1.12	.441
207P-6	3/8	7/8	1.12	.571
207P-8	1/2	1-1/16	1.50	.703
207P-12	3/4	1-3/8	1.53	.906



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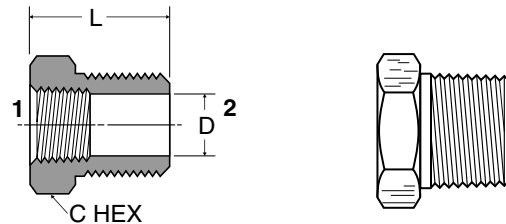
**Reducer Coupling 208P**

PART NO.	1 PIPE THREAD	2 PIPE THREAD	C HEX	L	FLOW DIA. D
208P-4-2	1/4	1/8	3/4	.97	.339
208P-6-4	3/8	1/4	7/8	1.16	.441
208P-8-4	1/2	1/4	1-1/16	1.28	.441
208P-8-6	1/2	3/8	1-1/16	1.38	.571
208P-12-6	3/4	3/8	1-3/8	1.32	.571
208P-12-8	3/4	1/2	1-3/8	1.50	.703



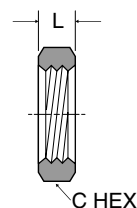
**Bushing 209P**

PART NO.	1 PIPE THREAD	2 PIPE THREAD	C HEX	L	FLOW DIA. D
209P-4-2	1/8	1/4	9/16	.75	.339
209P-6-2	1/8	3/8	11/16	.75	.339
209P-6-4	1/4	3/8	3/4	.75	.441
209P-8-2	1/8	1/2	7/8	1.00	.339
209P-8-4	1/4	1/2	7/8	1.00	.441
209P-8-6	3/8	1/2	7/8	1.00	.571
209P-12-2	1/8	3/4	1-1/8	1.00	.339
209P-12-4	1/4	3/4	1-1/8	1.00	.441
209P-12-6	3/8	3/4	1-1/8	1.00	.571
209P-12-8	1/2	3/4	1-1/8	1.00	.703
209P-16-8	1/2	1	1-3/8	1.31	.703
209P-16-12	3/4	1	1-3/8	1.31	.906



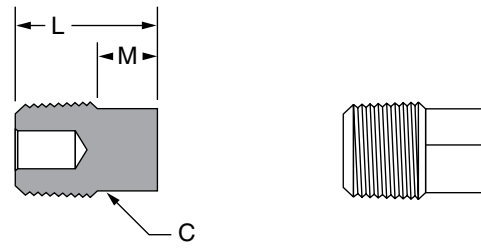
**Lock Nut 210P**

PART NO.	PIPE THREAD	C HEX	L
210P-2	1/8 NPSL	11/16	.19
210P-4	1/4 NPSL	7/8	.25
210P-6	3/8 NPSL	1	.25
210P-8	1/2 NPSL	1-1/8	.25



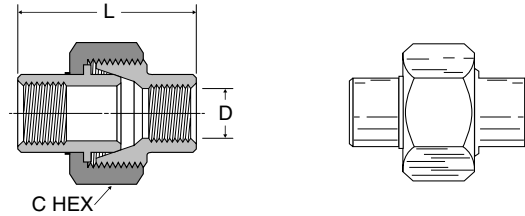
**Square-Head Plug 211P**

PART NO.	PIPE THREAD	C	L	M
211P-2	1/8	9/32	.59	.25
211P-4	1/4	3/8	.80	.29
211P-6	3/8	7/16	.83	.32
211P-8	1/2	9/16	1.07	.39
211P-12	3/4	5/8	1.14	.45



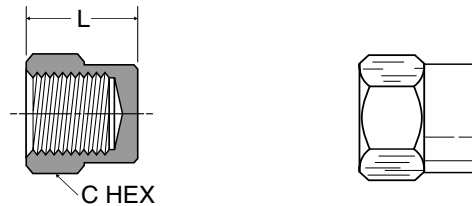
**Union 212P**

PART NO.	PIPE THREAD	C HEX	L	D
212P-4	1/4	1-3/16	1.54	.441
212P-6	3/8	1-1/4	1.76	.571



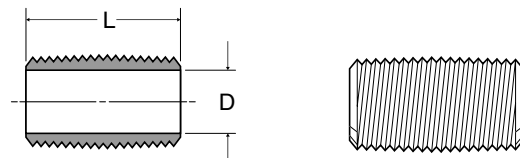
**Cap 213P**

PART NO.	PIPE THREAD	C HEX	L
213P-2	1/8	9/16	.50
213P-4	1/4	11/16	.63
213P-6	3/8	13/16	.63
213P-8	1/2	1-1/16	.87
213P-12	3/4	1-1/4	.89



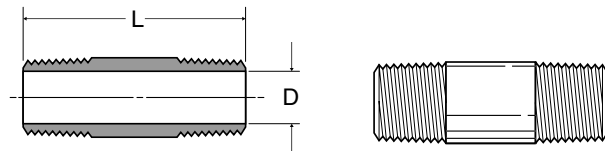
**Close Nipple 215PN**

PART NO.	PIPE THREAD	L	FLOW DIA.D
215PN-2	1/8	.75	.281
215PN-4	1/4	.88	.375
215PN-6	3/8	1.00	.500
215PN-8	1/2	1.13	.625
215PN-12	3/4	1.31	.750



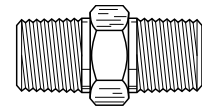
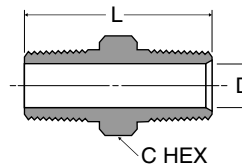
**Long Nipple 215PNL**

PART NO.	PIPE THREAD	L	FLOW DIA.D
215PNL-2-15	1/8	1-1/2	.250
215PNL-4-15	1/4	1-1/2	.375
215PNL-6-15	3/8	1-1/2	.500
215PNL-8-15	1/2	1-1/2	.625
215PNL-2-20	1/8	2	.250
215PNL-4-20	1/4	2	.375
215PNL-6-20	3/8	2	.500
215PNL-8-20	1/2	2	.625
215PNL-2-25	1/8	2-1/2	.250
215PNL-4-25	1/4	2-1/2	.375
215PNL-6-25	3/8	2-1/2	.500
215PNL-8-25	1/2	2-1/2	.625
215PNL-2-30	1/8	3	.250
215PNL-4-30	1/4	3	.375
215PNL-6-30	3/8	3	.500
215PNL-8-30	1/2	3	.625
215PNL-2-35	1/8	3-1/2	.250
215PNL-4-35	1/4	3-1/2	.375
215PNL-6-35	3/8	3-1/2	.500
215PNL-8-35	1/2	3-1/2	.625



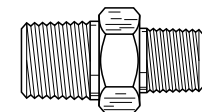
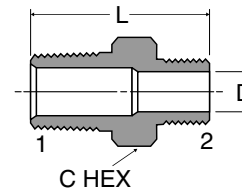
**Hex Nipple 216P**

PART NO.	PIPE THREAD	C HEX	L	FLOW DIA. D
216P-2	1/8	7/16	.97	.220
216P-4	1/4	9/16	1.38	.314
216P-6	3/8	11/16	1.41	.440
216P-8	1/2	7/8	1.81	.564
216P-12	3/4	1-1/16	1.81	.752



**Hex Nipple Reducers 216P**

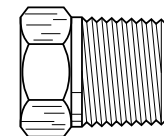
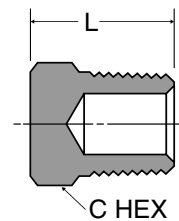
PART NO.	1 PIPE THREAD	2 PIPE THREAD	C HEX	L	FLOW DIA. D
216P-4-2	1/4	1/8	9/16	1.19	.220
216P-6-2	3/8	1/8	11/16	1.22	.220
216P-6-4	3/8	1/4	11/16	1.41	.314
216P-8-4	1/2	1/4	7/8	1.62	.314
216P-8-6	1/2	3/8	7/8	1.62	.440
216P-12-8	3/4	1/2	1-1/16	1.80	.564



F

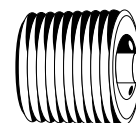
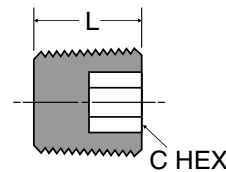
**Hex-Head Plug 218P**

PART NO.	PIPE THREAD	C HEX	L
218P-2	1/8	7/16	.560
218P-4	1/4	9/16	.747
218P-6	3/8	11/16	.780
218P-8	1/2	7/8	.970
218P-12	3/4	1-1/16	1.054



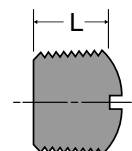
**Countersunk Hex-Head Plug 219P**

PART NO.	PIPE THREAD	C HEX	L
219P-2	1/8	3/16	.30
219P-4	1/4	1/4	.46
219P-6	3/8	5/16	.46
219P-8	1/2	3/8	.61
219P-12	3/4	9/16	.62



**Slotted-Head Plug 220P**

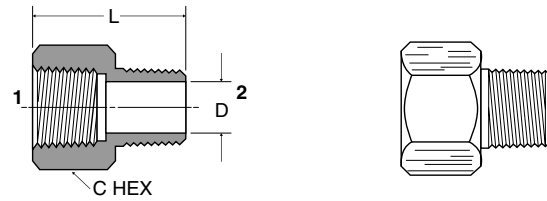
PART NO.	PIPE THREAD	L
220P-2	1/8	.31
220P-4	1/4	.42
220P-6	3/8	.43





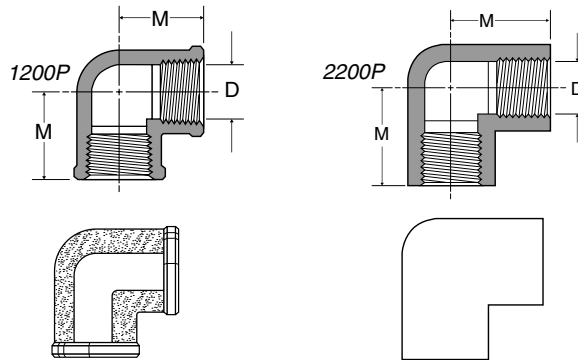
**Adapter 222P**

PART NO.	1 PIPE THREAD	2 PIPE THREAD	C HEX	L	FLOW DIA. D
222P-2-2	1/8	1/8	9/16	.88	.220
222P-4-2	1/4	1/8	3/4	1.06	.220
222P-4-4	1/4	1/4	3/4	1.25	.314
222P-6-2	3/8	1/8	7/8	1.10	.220
222P-6-4	3/8	1/4	7/8	1.25	.314
222P-6-6	3/8	3/8	7/8	1.25	.440
222P-8-4	1/2	1/4	1	1.47	.314
222P-8-6	1/2	3/8	1-1/16	1.47	.440
222P-8-8	1/2	1/2	1-1/16	1.66	.564
222P-12-6	3/4	3/8	1-3/8	1.50	.440
222P-12-8	3/4	1/2	1-3/8	1.69	.564
222P-12-12	3/4	3/4	1-3/8	1.69	.752



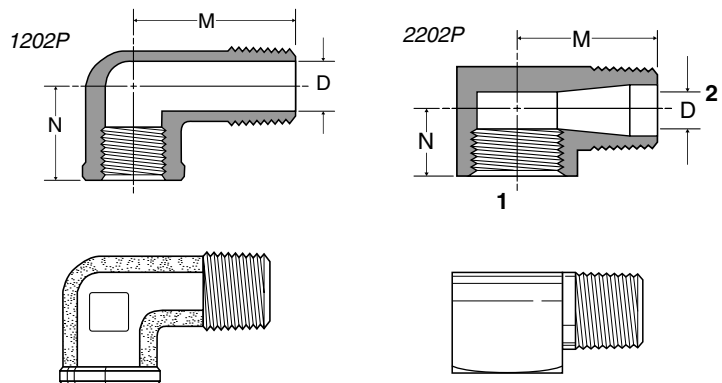
**90° Union Elbow 1200P-2200P**

PART NO.	PIPE THREAD	M	FLOW DIA. D
1200P-2-2	1/8	.56	.329
2200P-2-2	1/8	.55	.339
1200P-4-4	1/4	.81	.441
2200P-4-4	1/4	.78	.441
1200P-6-6	3/8	.84	.571
2200P-6-6	3/8	.84	.571
2200P-8-8	1/2	1.07	.703



**90° Street Elbow 1202P-2202P**

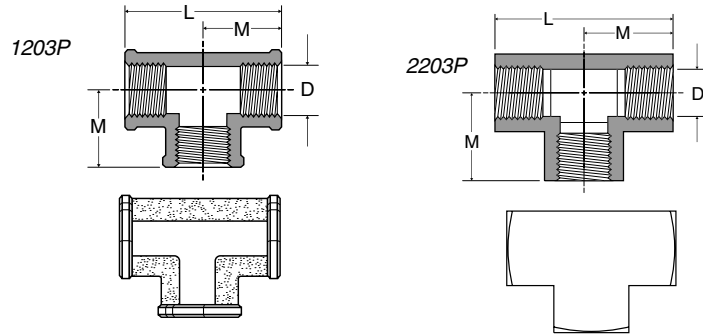
PART NO.	1 PIPE THREAD	2 PIPE THREAD	M	N	FLOW DIA. D
1202P-2-2	1/8	1/8	.81	.56	.22
2202P-2-2	1/8	1/8	.62	.48	.22
2202PA-2-2*	1/8	1/8	.66	.48	.22
2202P-4-2	1/4	1/8	.72	.45	.23
1202P-4-4	1/4	1/4	1.08	.69	.31
2202P-4-4	1/4	1/4	.91	.45	.34
2202PA-4-4*	1/4	1/4	.91	.72	.31
2202P-4-6	1/4	3/8	.97	.78	.43
1202P-6-4	3/8	1/4	1.25	.78	.31
1202P-6-6	3/8	3/8	1.25	.78	.42
2202P-6-6	3/8	3/8	.98	.54	.41
2202PA-6-6*	3/8	3/8	.97	.78	.43
1202P-6-8	3/8	1/2	1.53	1.01	.56
1202P-8-6	1/2	3/8	1.25	.97	.42
2202P-8-8	1/2	1/2	1.25	1.03	.56
2202P-12-8	3/4	1/2	1.39	1.10	.56
2202P-12-12	3/4	3/4	1.39	1.10	.75



\*Meets SAE Dimensions

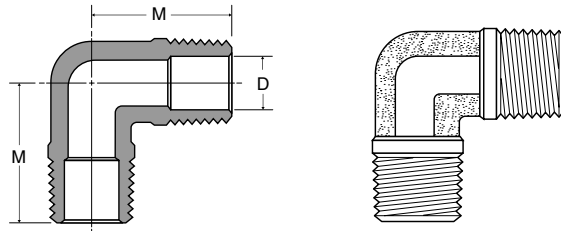
**Union Tee 1203P-2203P**

PART NO.	PIPE THREAD	L	M	FLOW DIA.D
1203P-2	1/8	1.12	.56	.339
2203P-2	1/8	1.06	.53	.339
1203P-4	1/4	1.38	.69	.441
2203P-4	1/4	1.52	.76	.441
2203P-6	3/8	1.68	.84	.571
1203P-8	1/2	2.14	1.07	.703
2203P-8	1/2	2.14	1.07	.703
2203P-12	3/4	2.28	1.14	.906



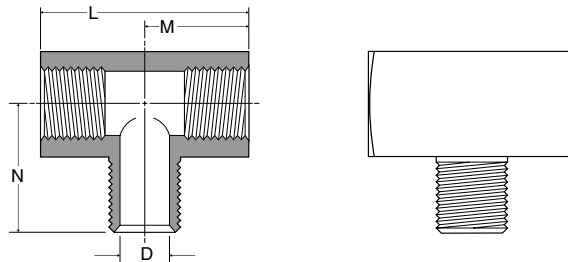
**Male Elbow 1204P**

PART NO.	PIPE THREAD	M	FLOW DIA.D
1204P-2	1/8	.71	.220
1204P-4	1/4	1.09	.312
1204P-6	3/8	1.09	.408
1204P-8	1/2	1.41	.502



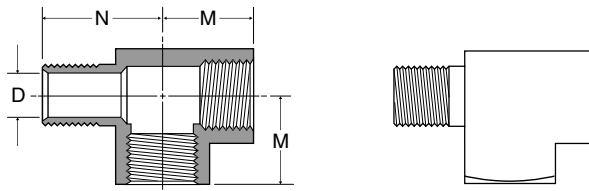
**Male Branch Tee 2224P**

PART NO.	PIPE THREAD	L	M	N	FLOW DIA.D
2224P-2	1/8	1.06	.53	.66	.220
2224P-4	1/4	1.52	.76	.91	.314
2224P-6	3/8	1.68	.84	.97	.440
2224P-8	1/2	2.18	1.09	1.25	.564
2224P-12	3/4	2.32	1.16	1.38	.752



**Street Tee 2225P**

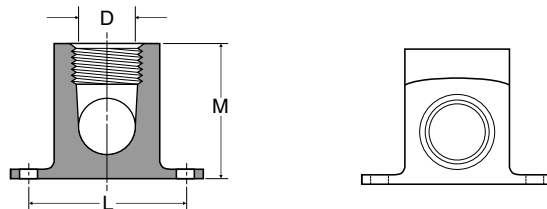
PART NO.	PIPE THREAD	M	N	FLOW DIA.D
2225P-2	1/8	.53	.66	.220
2225P-4	1/4	.76	.91	.314
2225P-6	3/8	.84	.98	.440
2225P-8	1/2	1.07	1.26	.564
2225P-12	3/4	1.14	1.38	.752



**F**

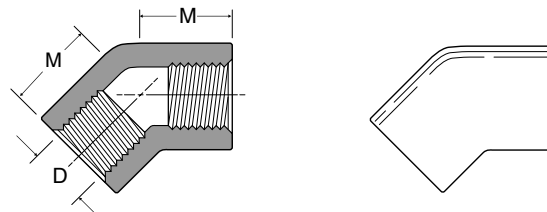
**Drop-ear 90° Elbow 2200PDE**

PART NO.	PIPE THREAD	L	M	FLOW DIA. D
2200PDE-2	1/8	1.38	1.00	.339



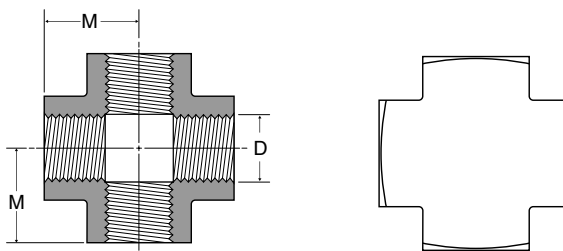
**45° Female Elbow 1201P-2201P**

PART NO.	PIPE THREAD	M	FLOW DIA. D
2201P-2-2	1/8	.43	.339
1201P-8-8	1/2	.89	.703



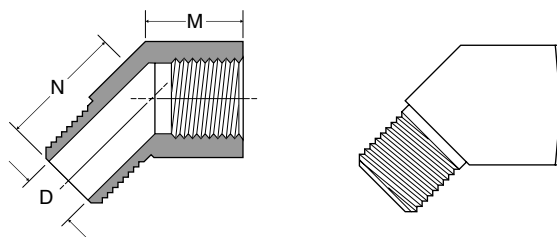
**Cross 2205P**

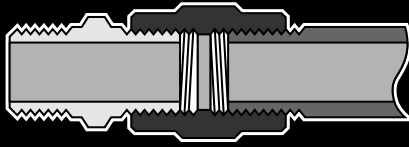
PART NO.	PIPE THREAD	M	FLOW DIA. D
2205P-2	1/8	.53	.339
2205P-4	1/4	.75	.441
2205P-6	3/8	.81	.571
2205P-8	1/2	1.07	.703
2205P-12	3/4	1.14	.906



**45° Street Elbow 2214P**

PART NO.	PIPE THREAD	M	N	FLOW DIA. D
2214P-2-2	1/8	.38	.50	.220
2214P-4-4	1/4	.54	.70	.314
2214P-6-6	3/8	.56	.78	.440
2214P-8-8	1/2	.73	1.00	.564





## Parker Brass Metric Adapters

### Advantages

To simplify the installation of pneumatic systems, Parker supplies a comprehensive range of adapters for NPT, BSPP, and BSPT pipe threads. Pipe nipples, pipe connectors, reducing connectors, pipe thread reducers, bulkhead female unions, elbows, tees, crosses and hex head plugs.

F

Parker brass adapters are produced from forgings and extrusions to meet exacting requirements. The hot forging process increases the density of the material, refines the grain structure and improves material strength.

### Applications

Use with brass, copper, or iron pipe. Manufactured for low- and medium-pressure line connection work.

### Working Pressure and Temperature Ranges

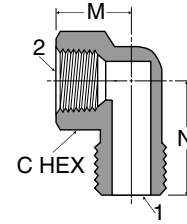
From -65° to +250° at 1000 psi.

### Vibration

Fair resistance to vibration and pipe movement depending upon conditions.

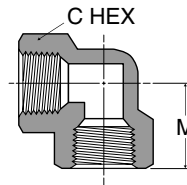
**CD43 90° Elbow Male-Female BSPT-BSPP**

PART NO.	BSPT 1	BSPP 2	C HEX	M	N
1/8CD43B	1/8	1/8	14	14	20
1/4CD43B	1/4	1/4	17	18	25
3/8CD43B	3/8	3/8	22	19	29
1/2CD43B	1/2	1/2	27	24	37



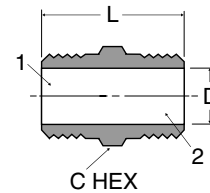
**DD44 Pipe 90° Elbow BSPP**

PART NO.	BSPP	C HEX	M
1/8DD44B	1/8	14	15
1/4DD44B	1/4	17	18
3/8DD44B	3/8	22	22
1/2DD44B	1/2	27	29



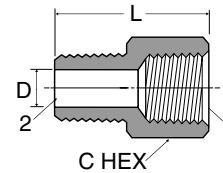
**F3HF Hex Nipple NPTF BSPT**

PART NO.	NPTF 1	BSPT 2	C HEX	L	FLOW D
1/8F3HF-B	1/8	1/8	7/16	1.07	.22
1/4F3HF-B	1/4	1/4	9/16	1.58	.31
3/8F3HF-B	3/8	3/8	11/16	1.61	.44
1/2F3HF-B	1/2	1/2	7/8	2.01	.56



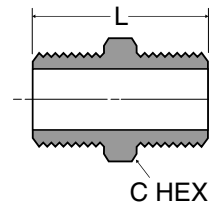
**F3HG Adapter NPTF Male BSPT**

PART NO.	NPTF 1	BSPT 2	C HEX	L	FLOW D
1/8F3HG-B	1/8	1/8	9/16	0.93	.22
1/4F3HG-B	1/4	1/4	3/4	1.35	.31
3/8F3HG-B	3/8	3/8	7/8	1.35	.44
1/2F3HG-B	1/2	1/2	1-1/16	1.76	.56



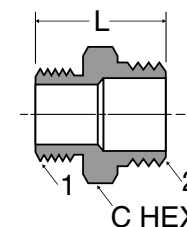
**FF33 Pipe Nipples BSPT**

PART NO.	BSPT	C HEX	L
1/8FF33B	1/8	10	19
1/4FF33B	1/4	14	27
3/8FF33B	3/8	17	28
1/2FF33B	1/2	22	36
3/4FF33B	3/4	27	40
1FF33B	1	36	46



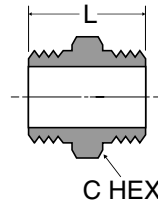
**FF33 Unequal Pipe Nipples BSPT**

PART NO.	BSPT 1	BSPT 2	C HEX	L
1/8x1/4FF33B	1/8	1/4	14	23
1/8x3/8FF33B	1/8	3/8	17	24
1/8x1/2FF33B	1/8	1/2	22	28
1/4x3/8FF33B	1/4	3/8	17	28
1/4x1/2FF33B	1/4	1/2	22	31
3/8x1/2FF33B	3/8	1/2	22	32
3/8x3/4FF33B	3/8	3/4	27	35
1/2x3/4FF33B	1/2	3/4	27	38
3/4x1FF33B	3/4	1	36	43



**FF44 Pipe Nipples BSPP**

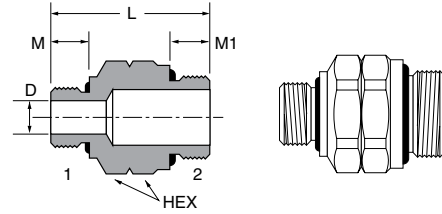
PART NO.	BSPP	C HEX	L
1/8FF44B	1/8	14	19
1/4FF44B	1/4	17	22
3/8FF44B	3/8	22	24
1/2FF44B	1/2	27	31



**Metric Straight Thread Union M16M22F8UHA8UB**

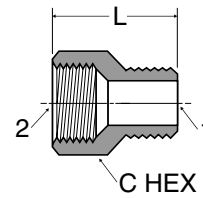
PART NUMBER	METRIC THD 1	METRIC THD 2	L (mm)	HEX (mm)	M (mm)	M1 (mm)	D (mm)
M16M22F8UHA8UB	M16X1.5	M22X1.5	43	27	10	12.5	9.0

Note: Fluorocarbon o-ring is standard



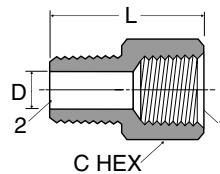
**FG43 Reducing Connector Female-Male BSPP-BSPT**

PART NO.	BSPT 1	BSPP 2	C HEX	L
1/4x1/8FG43B	1/8	1/4	17	23
3/8x1/8FG43B	1/8	3/8	22	25
3/8x1/4FG43B	1/4	3/8	22	28
1/2x1/8FG43B	1/8	1/2	27	29
1/2x1/4FG43B	1/4	1/2	27	32
1/2x3/8FG43B	3/8	1/2	27	31
3/4x1/2FG43B	1/2	3/4	32	39
1x3/4FG43B	3/4	1	41	38



**FHG4 Adapter Male NPTF BSPP**

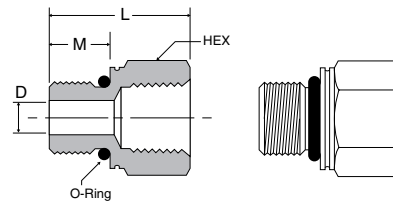
PART NO.	BSPP 1	NPTF 2	C HEX	L	FLOW D
1/8FHG4-B	1/8	1/8	0.562	0.870	.22
1/4FHG4-B	1/4	1/4	0.750	1.125	.31
3/8FHG4-B	3/8	3/8	0.875	1.125	.44
1/2FHG4-B	1/2	1/2	1.062	1.660	.60



**Pipe to Metric Adaptor 222P-X-MIX**

PART NUMBER	NPTF	METRIC THREAD	HEX	L	M	D
222P-2-MI10	1/8-27	M10 x 1.0	9/16	.75	.34	.18
222P-2-MI14	1/8-27	M14 x 1.5	3/4	.91	.43	.30
222P-4-MI12	1/4-18	M12 x 1.5	11/16	1.09	.43	.24
222P-6-MI16	3/8-18	M16 x 1.5	7/8	1.10	.45	.35
222P-6-MI22	3/8-18	M22 x 1.5	1 1/16	1.05	.37	.47
222P-8-MI27	1/2-14	M27 x 2.0	1 1/4	1.32	.63	.60

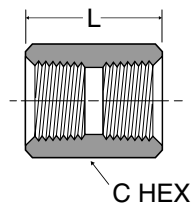
Note: Fluorocarbon o-ring is standard



**F**

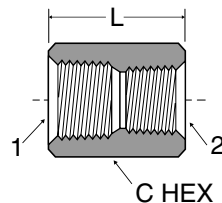
**GG44 Pipe Connector BSPP**

PART NO.	BSPP	C HEX	L
1/8GG44B	1/8	14	16
1/4GG44B	1/4	17	20
3/8GG44B	3/8	22	24
1/2GG44B	1/2	27	28
3/4GG44B	3/4	32	32
1GG44B	1	41	36



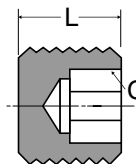
**GG44 Unequal Pipe Connector BSPP**

PART NO.	BSPP 1	BSPP 2	C HEX	L
1/8x1/4GG44B	1/8	1/4	17	18
1/8x3/8GG44B	1/8	3/8	22	20
1/8x1/2GG44B	1/8	1/2	27	22
1/4x3/8GG44B	1/4	3/8	22	22
1/4x1/2GG44B	1/4	1/2	27	24
3/8x1/2GG44B	3/8	1/2	17	26



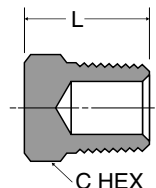
**HHP3 Hollow Hex Head Plug BSPT**

PART NO.	BSPT	C HEX	L
1/8HHP3B	1/8	5	8
1/4HHP3B	1/4	6	10
3/8HHP3B	3/8	8	11
1/2HHP3B	1/2	10	13



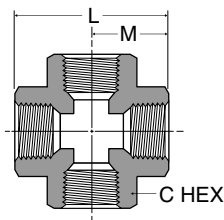
**HP3 Hex Plug BSPT**

PART NO.	BSPT	C HEX	L
1/8HP3B	1/8	10	12
1/4HP3B	1/4	14	16
3/8HP3B	3/8	17	17
1/2HP3B	1/2	22	21
3/4HP3B	3/4	27	24
1HP3B	1	36	27



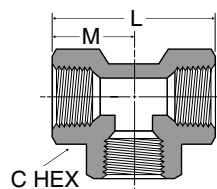
**KMMOO4 Pipe Cross BSPP**

PART NO.	BSPP	C HEX	L	M
1/8KMMOO4B	1/8	14	29	14.5
1/4KMMOO4B	1/4	17	36	18.0
3/8KMMOO4B	3/8	22	44	22.0
1/2KMMOO4B	1/2	27	58	29.0



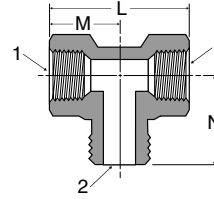
**MMO444 Pipe Tee BSPP**

PART NO.	BSPP	C HEX	L	M
1/8MMO444B	1/8	14	29	14.5
1/4MMO444B	1/4	17	36	18.0
3/8MMO444B	3/8	22	44	22.0
1/2MMO444B	1/2	27	58	29.0
3/4MMO444B	3/4	32	62	31.0
1MMO444B	1	40	85	42.5



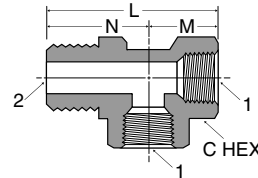
**MMS443 Branch Tee Female-Male-Female BSPP-BSPT-BSPP**

PART NO.	BSPP 1	BSPT 2	L	M	N
1/8MMS443B	1/8	1/8	29	14.5	17
1/4MMS443B	1/4	1/4	36	18.0	22
3/8MMS443B	3/8	3/8	48	24.0	25
1/2MMS443B	1/2	1/2	62	31.0	32



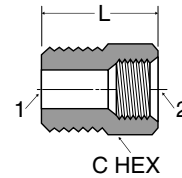
**MRO434 Run Tee Female-Female-Male BSPP-BSPP-BSPT**

PART NO.	BSPP 1	BSPT 2	C HEX	L	M	N
1/8MRO434B	1/8	1/8	14	32	15	17
1/4MRO434B	1/4	1/4	17	40	18	22
3/8MRO434B	3/8	3/8	24	49	24	25
1/2MRO434B	1/2	1/2	30	63	31	32



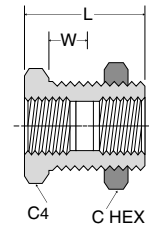
**PTR34 Pipe Thread Reducer male-female BSPT-BSPP**

PART NO.	BSPT 1	BSPP 2	C HEX	L
1/4x1/8PTR34B	1/4	1/8	14	16
3/8x1/8PTR34B	3/8	1/8	17	17
3/8x1/4PTR34B	3/8	1/4	17	17
1/2x1/8PTR34B	1/2	1/8	22	22
1/2x1/4PTR34B	1/2	1/4	22	22
1/2x3/8PTR34B	1/2	3/8	22	22
3/4x3/8PTR34B	3/4	3/8	27	23
3/4x1/2PTR34B	3/4	1/2	27	23
1x1/2PTR34B	1	1/2	36	27
1x3/4PTR34B	1	3/4	36	27



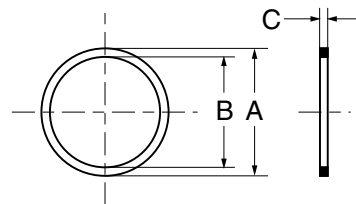
**WGG44 Bulkhead Female Union BSPP**

PART NO.	BSPP	STRAIGHT THREAD	C HEX	C4	L	W
1/8WGG44B	1/8	M16x1.5	19	22	22	12
1/4WGG44B	1/4	M20x1.5	24	24	22	12
3/8WGG44B	3/8	M23x1.5	27	27	24	12
1/2WGG44B	1/2	M27x1.5	32	32	28	14
3/4WGG44B	3/4	M34x1.5	41	41	31	13
1WGG44B	1	M45x2	55	55	36	12



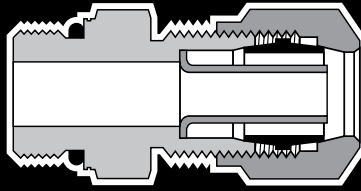
**Copper Rings for BSPP**

PART NO.	BSPP	A	B	C
112-5-10	1/8	16.0	9.9	1.5
112-8-13	1/4	19.0	13.5	1.5
112-12-17	3/8	24.0	16.9	1.5
112-15-21	1/2	27.0	21.2	2.0



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## ISO Port Adapters

### Advantages

To simplify the installation of hydraulic and pneumatic systems, Parker supplies a range of ISO Port Adapters for various sizes of metric threads and end configurations. These adapters include NPTF, flare, hose barb and NTA end configurations. Fluorocarbon o-rings are standard on all ISO adapters.

### Specifications

Meets dimensional requirements of ISO 6149-3 and SAE 2244-3.

### Applications

Use with brass, copper or J844 type A & B nylon tubing. Manufactured for low and medium pressure line connection work.

### Working Pressure and Temperature Ranges

Dependent on tubing or hose end connection

### Nomenclature

Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identifies the style and type fitting. The second series of numbers describes the size.

#### Example:

1 59 F - 10 MI - 27

Forging (1) \_\_\_\_\_

45° Male Elbow \_\_\_\_\_

45° Flare \_\_\_\_\_

5/8" (10/16) Tube Size \_\_\_\_\_

MI-Metric ISO Port \_\_\_\_\_

27mm Port Thread \_\_\_\_\_

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### Special Fittings

Fitting configurations and / or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry.

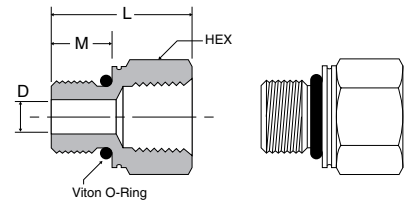
### Pricing

Only items priced in current supplementary price list PL3501 are carried in stock. Price and delivery for non-stock items furnished on request for specified quantity.

**Pipe to Metric Adaptor 222P-X-MIX**

PART NUMBER	NPTF	METRIC THREAD	HEX	L	M	D
222P-2-MI10	1/8-27	M10 x 1.0	9/16	.75	.34	.18
222P-2-MI14	1/8-27	M14 x 1.5	3/4	.91	.43	.30
222P-4-MI12	1/4-18	M12 x 1.5	11/16	1.09	.43	.24
222P-4-MI14	1/4-18	M14 x 1.5	3/4	1.09	.43	.30
222P-6-MI16	3/8-18	M16 x 1.5	7/8	1.16	.45	.35
222P-6-MI22	3/8-18	M22 x 1.5	1 1/16	1.05	.51	.47
222P-8-MI27	1/2-14	M27 x 2.0	1 1/4	1.32	.63	.60

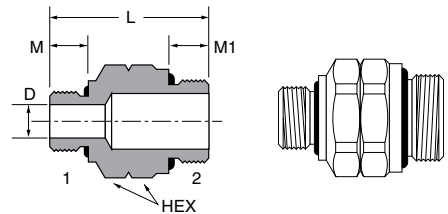
Note: Fluorocarbon o-ring is standard  
 For working pressure and Temperature see Metric Adapters Section



**Metric Straight Thread Union M16M22F8UHA8UB**

PART NUMBER	METRIC THD 1	METRIC THD 2	L (mm)	HEX (mm)	M (mm)	M1 (mm)	D (mm)
M16M22F8UHA8UB	M16X1.5	M22X1.5	43	27	10	12.5	9.0

Note: Fluorocarbon o-ring is standard  
 For working pressure and Temperature see Metric Adapters Section

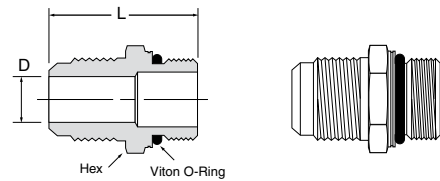


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**Flare to Metric Adaptor 48F-X-MIX**

PART NUMBER	TUBE SIZE	METRIC THREAD	HEX	L	D
48F-8-MI16	1/2	M16 X 1.5	7/8	1.60	.35
48F-10-MI27	5/8	M27 x 2.0	1 1/4	1.87	.50
48F-12-MI27	3/4	M27 x 2.0	1 1/4	1.99	.63

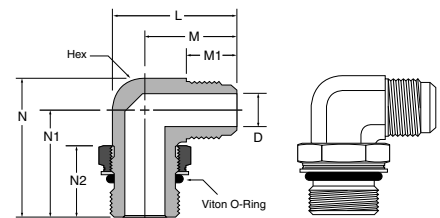
Note: Fluorocarbon o-ring is standard  
 For working pressure and Temperature see SAE Flare Section



**Flare Elbow to Metric Adaptor 149F-X-MIX**

PART NUMBER	TUBE SIZE	METRIC THREAD	HEX	L	M	M1	N	N1	N2	D
149F-10-MI27	5/8	M27 x 2.0	7/8	1.95	1.46	.88	2.12	1.63	1.09	.50

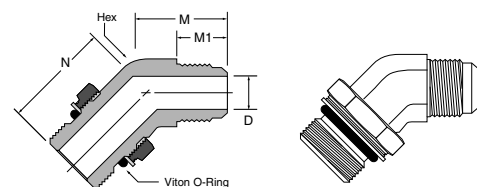
Note: Fluorocarbon o-ring is standard  
 For working pressure and Temperature see SAE Flare Section



**45° Flare Elbow to Metric Adaptor 159F-X-MIX**

PART NUMBER	TUBE SIZE	METRIC THREAD	HEX	M	M1	N	D
159F-8-MI16	1/2	M16 X 1.5	13/16	1.10	.75	1.16	.36
159F-10-MI27	5/8	M27 x 2.0	1 1/8	1.21	.88	1.50	.50

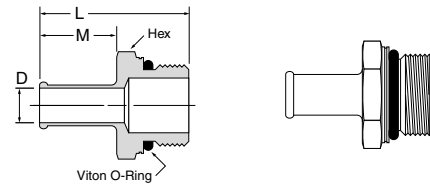
Note: Fluorocarbon o-ring is standard  
 For working pressure and Temperature see SAE Flare Section



**Hose Barb to Metric Adaptor 68HB-X-MIX**

PART NUMBER	TUBE SIZE	METRIC THREAD	HEX	L	M	D
68HB-6-M12	3/8	M12 x 1.5	11/16	1.50	.78	.24
68HB-6-M14	3/8	M14 1.5	3/4	1.51	.78	.30
68HB-8-M12	1/2	M12 x 1.5	11/16	1.50	.78	.24
68HB-10-M127	5/8	M27 x 2.0	1 1/4	1.77	.78	.50

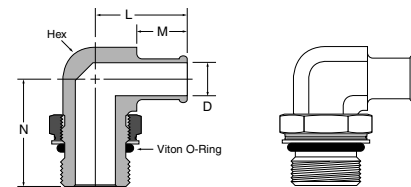
Note: Fluorocarbon o-ring is standard  
 For working pressure and Temperature see Hose Barb Section



**Beaded Elbow to Metric Adaptor 169HB-X-MIX**

PART NUMBER	HOSE SIZE	METRIC THREAD	HEX	L	M	N	D
169HB-10-MI27	5/8	M27 x 2.0	7/8	1.41	.78	1.63	.50
169HB-16-MI27	1	M27 x 2.0	1	1.67	.97	1.68	.71

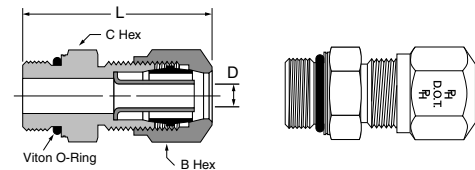
Note: Fluorocarbon o-ring is standard  
 For working pressure and Temperature see Hose Barb Section



**NTA to Metric Adaptor 68NTA-X-MIX**

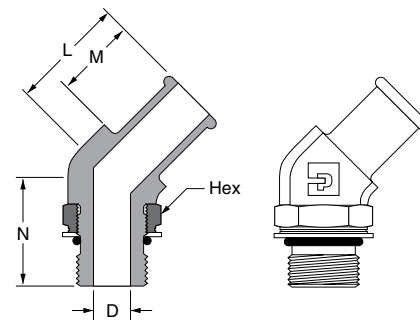
PART NUMBER	TUBE SIZE	METRIC THREAD	B HEX	C HEX	L	D
68NTA-4-MI10	1/4	M10 x 1.0	9/16	9/16	1.33	.140

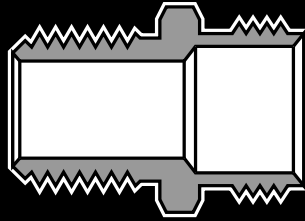
Note: Fluorocarbon o-ring is standard  
 For working pressure and Temperature see Air Brake-NTA Section



**Beaded Hose Barb 45° Elbow to Metric Thread 179HB-X-MIX**

PART NUMBER	HOSE SIZE	METRIC THREAD	HEX	L	M	N	D
179HB-12-MI18	3/4	M18 x 1.5	13/16	1.15	.78	1.16	.44
179HB-16-MI27	1	M27 x 2.0	1 1/16	1.51	.97	1.71	.71





## Garden Hose Fittings

### Advantages

All fitting pipe threads are made to Dryseal standards. Connectors, unions, nuts and extruded elbows and tees are machined from CA 360 and CA 345 brass.

### Sizes

Pipe sizes are determined by the number of sixteenths of an inch in the pipe size.

### Temperature and Working Pressure Ranges

From +35°F. to +100°F. at 75 PSI maximum or the recommended working pressure of garden hose. (not to exceed 150 PSI.)

Note: 90GH is intended for use with 97HC hose clamp or crimped ferrule.

Note: All female connector ends should have a rubber washer (901GH-12) inserted prior to usage.

### Pricing

Only items priced in current supplementary price list PL3501 are carried in stock. Price and delivery for non-stock items furnished on request for specified quantity.

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### Order

By part number and name.

### Nomenclature

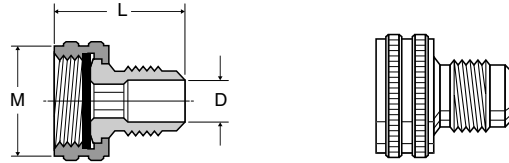
Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identifies the style and type fitting. The second series of numbers describes the size.

**Example:**      50GH    SV    -6            -12

Garden Hose	_____	_____	_____	_____
Swivel Connector	_____	_____	_____	_____
3/8" Tube O.D.	_____	_____	_____	_____
3/4" Hose Thread	_____	_____	_____	_____

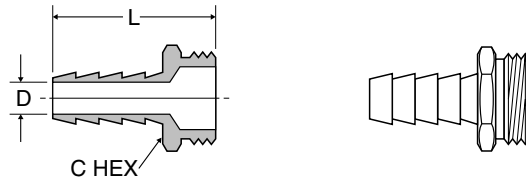
**Swivel Connector SAE Flare to Female Hose Thread 50GHSV**

PART NO.	TUBE SIZE	HOSE THREAD	L	M	FLOW DIA.D
50GHSV-6-12	3/8	3/4	1.25	1.15	.297
50GHSV-8-12	1/2	3/4	1.34	1.15	.406



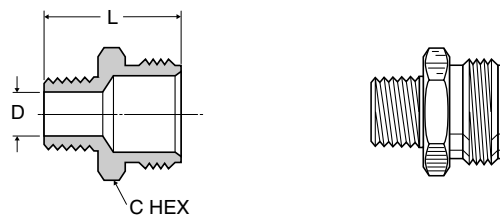
**Hose Barb to Male Hose Thread 53GH, 54GH & 55GH**

PART NO.	I.D. HOSE SIZE	HOSE THREAD	C HEX	L	FLOW DIA.D
53GH-8-12	1/2	3/4	1-1/16	1.88	.375
54GH-10-12	5/8	3/4	1-1/16	1.88	.500
55GH-12-12	3/4	3/4	1-1/16	1.88	.625



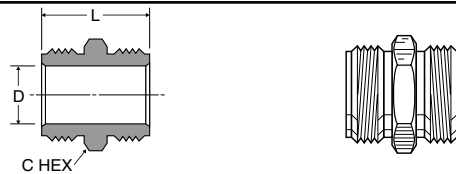
**Male Hose to Male Pipe 69GH, 70GH, 71GH**

PART NO.	HOSE THREAD	PIPE THREAD	C HEX	L	FLOW DIA.D
69GH-12-4	3/4	1/4	1-1/16	1.25	.410
69GH-12-6	3/4	3/8	1-1/16	1.25	.406
70GH-12-8	3/4	1/2	1-1/16	1.39	.531
71GH-12-12	3/4	3/4	1-1/16	1.41	.750



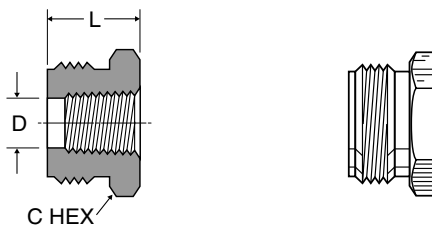
**Male Hose to Male Hose 75GH**

PART NO.	HOSE THREAD	C HEX	L	FLOW DIA.D
75GH-12	3/4	1-1/16	1.25	.750



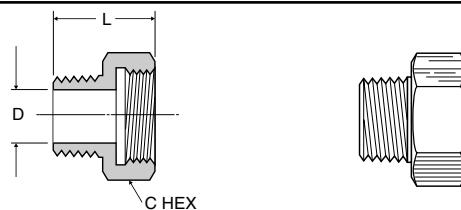
**Male Hose to Female Pipe 78GH, 79GH, 80GH & 81GH**

PART NO.	HOSE THREAD	PIPE THREAD	C HEX	L	FLOW DIA.D
78GH-12-4	3/4	1/4	1-1/16	.75	.422
79GH-12-6	3/4	3/8	1-1/16	.75	.562
80GH-12-8	3/4	1/2	1-1/16	.75	.687
81GH-12-12	3/4	3/4	1-3/16	1.28	.719



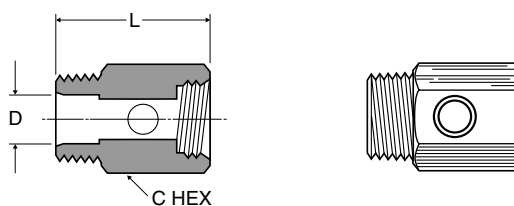
**Female Hose to Male Pipe 82GH & 83GH**

PART NO.	HOSE THREAD	PIPE THREAD	C HEX	L	FLOW DIA.D
82GH-12-8	3/4	1/2	1-3/16	1.20	.562
83GH-12-12	3/4	3/4	1-3/16	1.22	.750



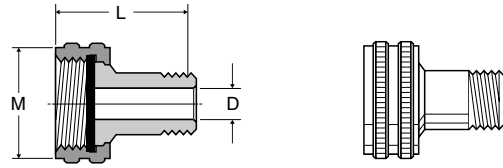
**Special Filter Adapter 84GH**

PART NO.	HOSE THREAD	PIPE THREAD	C HEX	L	FLOW DIA.D
84GH-8-8	1/2	1/2	15/16	1.53	.530



**Swivel Connector Female Garden Hose to Male Pipe 88GH**

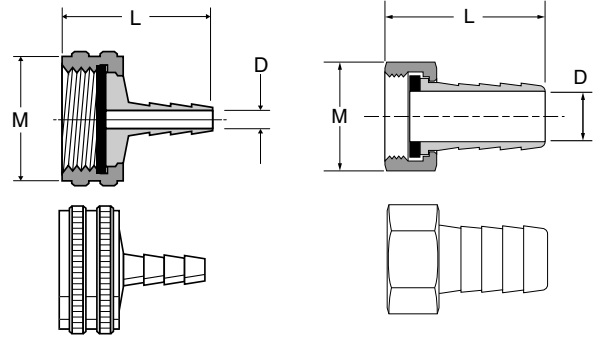
PART NO.	HOSE THREAD	PIPE THREAD	L	M	FLOW DIA.D
88GH-12-4	3/4	1/4	1.69	1.15	.312
88GH-12-6	3/4	3/8	1.69	1.15	.406



**Swivel Connector Female Garden Hose to Hose Barb 90GH**

PART NO.	HOSE THREAD	I.D. HOSE SIZE	L	M	FLOW DIA.D
90GH-12-3	3/4	3/16	1.29	1.15	.125
90GH-12-4	3/4	1/4	1.21	1.15	.187
90GH-12-6	3/4	3/8	1.21	1.15	.281
90GH-12-8	3/4	1/2	1.21	1.15	.375
90GH-12-10*	3/4	5/8	1.93	1.19	.500
90GH-12-12*	3/4	3/4	1.93	1.19	.625

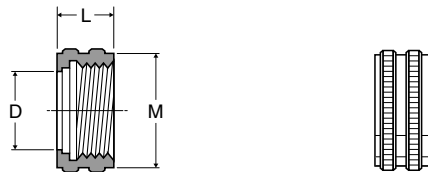
\*Denotes hex body



**F**

**Knurled Hose Nut 94GH**

PART NO.	HOSE THREAD	L	M	FLOW DIA.D
94GH-12	3/4	.57	1.15	.808



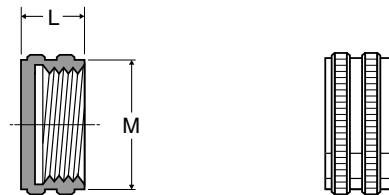
**Hose Nut Reducer 95GH**

PART NO.	HOSE THREAD	PIPE THREAD	C HEX	L
95GH-12-2	3/4	1/8	1-1/8	.63



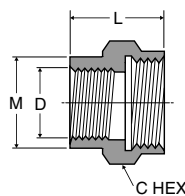
**Hose Cap Nut 96GH**

PART NO.	HOSE THREAD	L	M
96GH-12	3/4	.50	1.15



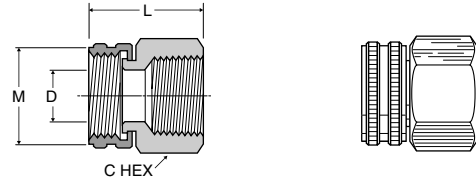
**Female Hose to Female Pipe 98GH & 99GH**

PART NO.	HOSE THREAD	PIPE THREAD	C HEX	L	M	FLOW DIA.D
98GH-12-8	3/4	1/2	1-3/16	1.14	1.01	.687
99GH-12-12	3/4	3/4	1-3/16	1.25	1.17	.750



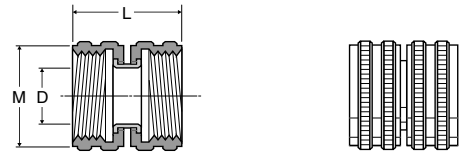
**Swivel Connector Female Hose to Female Pipe 98GHSV & 99GHSV**

PART NO.	HOSE THREAD	PIPE THREAD	C HEX	L	M	FLOW DIA.D
98GHSV-12-8	3/4	1/2	1	1.27	1.21	.687
99GHSV-12-12	3/4	3/4	1-3/16	1.34	1.21	.687



**Swivel Nut Connector 101GHSV**

PART NO.	HOSE THREAD	L	M	FLOW DIA.D
101GHSV-12	3/4	1.25	1.15	.625



**Rubber Garden Hose Coupling Washer 901GH**

PART NO.	HOSE THREAD
901GH-12	3/4

NOTE: All female connector ends should have this rubber washer installed prior to usage.



**Hydraulic Quick Couplings/High Flow Couplings**

**Applications**

Parker Water Service Couplings are used anywhere water hoses are connected and disconnected frequently. They are used on a wide variety of applications including garden hoses, wash down systems, and mobile water tank lines. The unvalved design permits maximum flow with minimum pressure drop.

**Features**

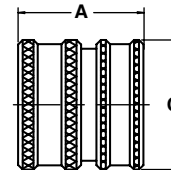
- Brass and stainless steel construction for heavy duty service.
- Durable 4-ball locking mechanism for secure connections.
- Quality, temperature-resistant nitrile seals for a leak-free service life.

**Specifications**

Body Size	3/4"
Rated Pressure (PSI)	200
Rated Flow (GPM)	28
Temperature Range (std seals)	-40°F to +250°F

**High Flow Coupler 1163-60-BPD**

PART NO.	BODY SIZE	THREAD SIZE NH	A	C
1163-60-BPD	3/4	3/4-11 1/2	1.12	1.21



**High Flow Nipple 1163-61-BPD**

PART NO.	BODY SIZE	THREAD SIZE NH	D	E
1163-61-BPD	3/4	3/4-11 1/2	1.25	.50

