

Pioneer

The Farmer's Choice

June 2003

Hose, Fittings, Adapters & Equipment



Catalog 3920 USA

 **WARNING**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

Offer of Sale

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated on page 56 of this document entitled 'Offer of Sale.'



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HOSE

HOSE FITTINGS

CRIMPING EQUIPMENT

SPECIALTY HOSE

TUBE FITTINGS

SWIVELS



Hose

Pioneer offers a wide range of hydraulic hose that includes 1-wire and 2-wire hose along with hybrid hoses that meet every hydraulic application. We have recognized names such as Farmex® and Eliminator® to meet your needs. The availability in sizes ranges from 1/4 inch to 1 inch.

Pioneer AG I Hose .....	.06
Pioneer AG II Hose .....	.07
Farmex Hose .....	.08
Farmex II Hose .....	.09
Eliminator Hose .....	.10
7812 .....	.11
XP2 .....	.12

AG I - Hydraulic - No Skive Hose Exceeds SAE 100R1 Type AT HY Series Permanent Fittings



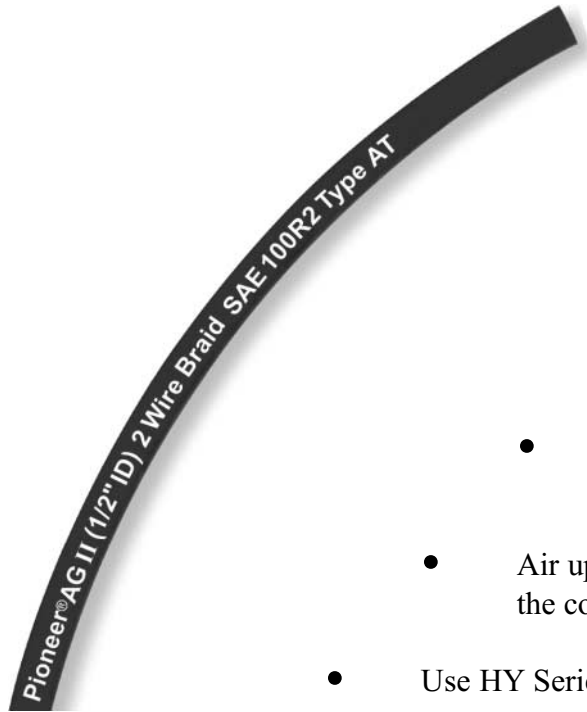
- Constructed of a neoprene inner tube; one braid of high tensile steel wire reinforcement; oil and weather resistant MSHA approved synthetic rubber cover.
- For use with petroleum based hydraulic fluids and lubricating oils within a temperature range of -40° F to +212° F (-40° C to +100° C). More flexible, higher Working Pressure (W.P.), and smaller diameter than SAE 100R1.
- Water, water/glycol, and water/oil emulsion hydraulic fluids up to +185° F (85° C).
- Air up to +158° (70° C). For air above 250psi (1,5MPa), the cover must be pinpricked
- Use HY Series Permanent Fittings
- Refer to HY Series Crimp Diameters in Crimping Equipment Section

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Burst Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	kg/m	
AG1-4	1/4	6,3	0.50	13	3 000	21	12 000	84	2	50	0.15	0.22	HY
AG1-6	3/8	10	0.62	16	3 000	21	12 000	84	2-1/2	65	0.19	0.28	HY
AG1-8	1/2	12,5	0.75	19	2 500	17,5	10 000	70	3-1/2	90	0.24	0.36	HY
AG1-10	5/8	16	0.88	22	1 500	10,5	6 000	42	4	100	0.29	0.43	HY
AG1-12	3/4	19	1.01	26	1 250	8,7	5 000	35	4-3/4	120	0.34	0.51	HY
AG1-16	1	25	1.29	33	1 000	7,0	4 000	28	6	150	0.48	0.72	HY

AG II - Hydraulic - No Skive Hose

SAE 100R2 Type AT

HY Series Permanent Fittings



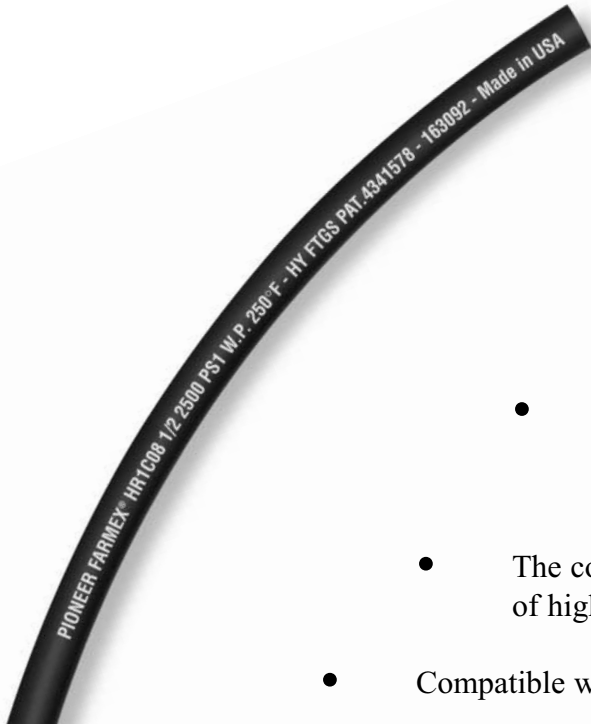
- Constructed of a neoprene inner tube; two braids of high tensile steel wire reinforcement; oil and weather resistant MSHA approved synthetic rubber cover.
- For use with petroleum based hydraulic fluids and lubricating oils within a temperature range of -40° F to +212° F (-40° C to +100° C).
- Water, water/glycol, and water/oil emulsion hydraulic fluids up to +185° F (85° C).
- Air up to +158° (70° C). For air above 250psi (1,5MPa), the cover must be pinpricked
- Use HY Series Permanent Fittings
- Refer to HY Series Crimp Diameters in Crimping Equipment Section

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Burst Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/f t	kg/m	
AG2-4	1/4	6,3	0.59	15	5 000	35	20 000	140	4	100	0.27	0.40	HY
AG2-6	3/8	10	0.74	19	4 000	28	16 000	112	5	125	0.38	0.57	HY
AG2-8	1/2	12,5	0.87	22	3 500	24,5	14 000	98	7	180	0.46	0.69	HY
AG2-10	5/8	16	1.00	25	2 750	19,2	11 000	77	8	200	0.55	0.82	HY
AG2-12	3/4	19	1.15	29	2 250	15,7	9 000	63	9-1/2	240	0.65	0.97	HY
AG2-16	1	25	1.49	38	2 000	14	8 000	56	12	300	0.98	1.46	HY

HR1C - Farmex® Hybrid Hose

2500 to 3000 psi Pressure Range

HY Series Permanent Fittings



- Elastomeric core tube provides excellent fluid / chemical compatibility through a wide temperature range.
- Farmex hose is used in high temperature (up to +250° F), medium pressure hydraulic applications on agricultural equipment.
- Farmex hoses are rated at pressures and temperatures above comparable SAE 100R1 requirements.
- The compact design of Farmex hose features one braid of high tensile steel wire reinforcement.
- Compatible with HY Series over-the-cover fittings.
- Use **silver die ring** with the appropriate crimp die when making hose assemblies.

Tube: Elastomer
Reinforcement: One braid of high tensile steel wire
Cover: Smooth synthetic rubber - MSHA approved
Temperature Range: -40° F to +250° F

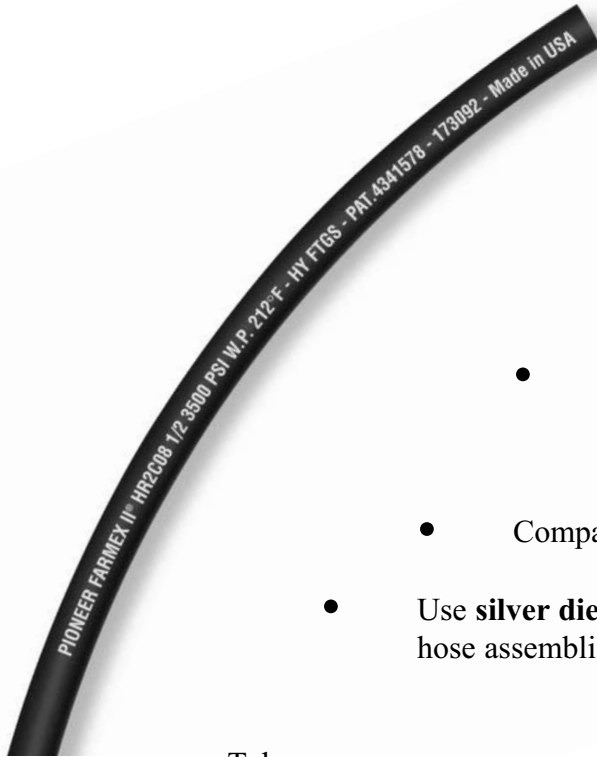
Part Number #	I.D. in. 	Max. O.D. in. 	Max. Working Pressure psi 	Min. Burst Pressure psi 	Min. Bend Radius in. 	Weight lbs. / 100 ft. 	Crimp Fitting Series 	Crimp Die
HR1C04	1/4	.50	3,000	12,000	2.0	12	HY	80C-P0580
HR1C06	3/8	.66	2,500	10,000	2.5	19	HY	80C-P0740
HR1C08	1/2	.77	2,500	10,000	3.5	25	HY	80C-P0845

Note: Burst pressure is for reference and design purposes only and is no indication that the product should be used above the indicated related working pressure.

HR2C - Farmex II® Hybrid Hose

2000 to 5000 psi Pressure Range

HY Series Permanent Fittings



- Elastomeric core tube provides excellent fluid / chemical compatibility through a wide temperature range.
- Farmex II hose is used for SAE 100R2 high pressure hydraulic applications on agricultural equipment.
- The compact design of Farmex II hose features one or two** braids of high tensile steel wire reinforcement.
- Compatible with HY Series over-the-cover fittings.
- Use **silver die ring** with the appropriate crimp die when making hose assemblies.

Tube:Elastomer
 Reinforcement:One or two braids of high tensile steel wire
 Cover:Smooth synthetic rubber - MSHA approved
 Temperature Range:-40° F to +212° F

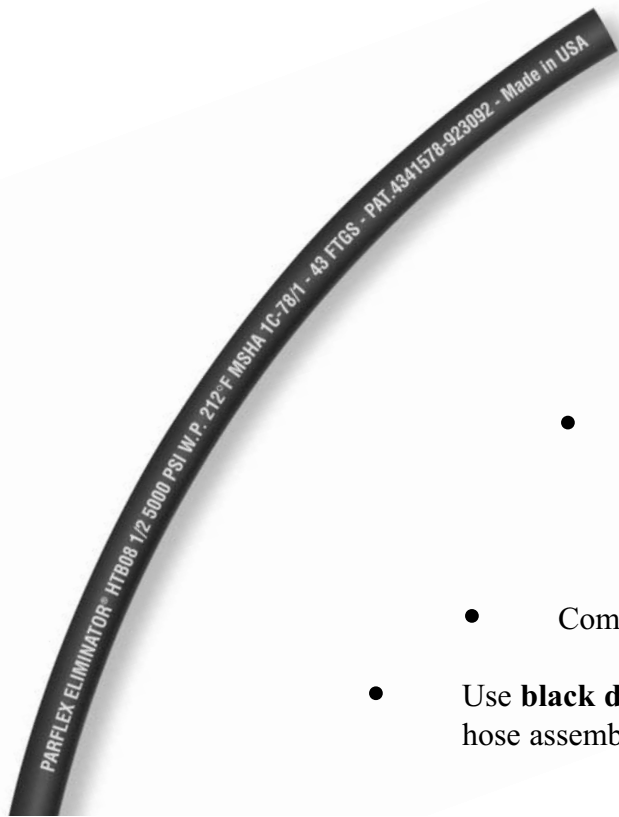
Part Number #	I.D. in. 	Max. O.D. in. 	Max. Working Pressure psi 	Min. Burst Pressure psi 	Min. Bend Radius in. 	Weight lbs. / 100 ft. 	Crimp Fitting Series 	Crimp Die
HR2C04**	1/4	.56	5,000	20,000	2.0	21	HY	80C-P0625
HR2C06	3/8	.66	4,000	16,000	2.5	23	HY	80C-P0740
HR2C08	1/2	.80	3,500	14,000	3.5	29	HY	80C-P0870
HR2C10	5/8	.95	2,750	11,000	4.0	38	HY	80C-P1015
HR2C12	3/4	1.08	2,250	9,000	4.8	45	HY	80C-P1150
HR2C16**	1	1.43	2,000	8,000	6.0	80	HY	80C-P1450

Note: Burst pressure is for reference and design purposes only and is no indication that the product should be used above the indicated related working pressure.

HTB - Eliminator® Hybrid Hose

3500 to 7000 psi Pressure Range

43 Series Permanent Fittings



- Elastomeric core tube provides excellent fluid / chemical compatibility through a wide temperature range.
- Eliminator offers four-spiral wire hose performance in a high tensile two-wire braid construction through application of high quality materials and a unique manufacturing process.
- Provides excellent flexibility, consistent long length patterns, and cost saving opportunities versus comparable high pressure spiral wire reinforced rubber hoses.
- Compatible with 43 Series bite-the-wire fittings.
- Use **black die ring** with the appropriate crimp die when making hose assemblies.

Tube: Elastomer
Reinforcement: Two braids of high tensile steel wire
Cover: Smooth synthetic rubber - MSHA approved
Temperature Range: -40° F to +212° F

Part Number #	I.D. in. 	Max. O.D. in. 	Max. Working Pressure psi 	Min. Burst Pressure psi 	Min. Bend Radius in. 	Weight lbs. / 100 ft. 	Crimp Fitting Series 	Crimp Die
HTB04	1/4	.60	7,000	28,000	4.0	27	Contact Parflex*	
HTB06	3/8	.74	5,500	22,000	6.0	37	43	80C-A06
HTB08	1/2	.88	5,000	20,000	7.0	46	43	80C-A08
HTB10	5/8	1.01	4,000	16,000	8.0	52	43	80C-A10
HTB12	3/4	1.18	4,000	16,000	9.5	73	43	80C-A12
HTB16	1	1.48	3,500	14,000	12.0	101	43	80C-A16

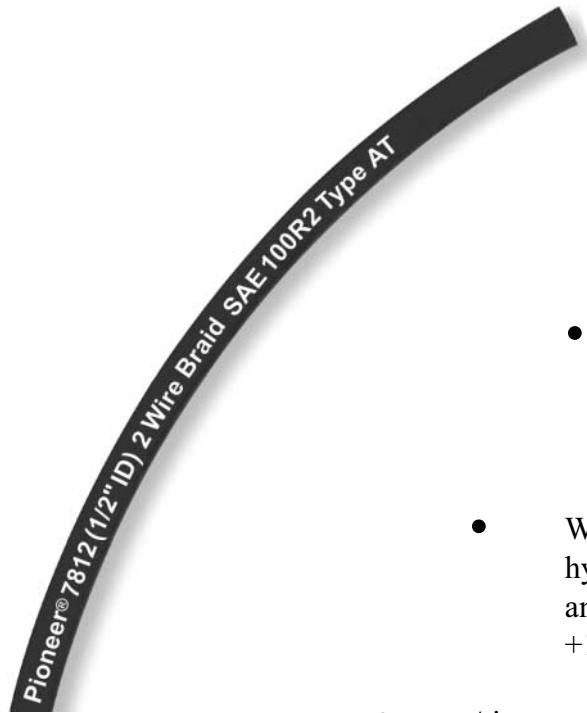
* Contact the Technical Services Specialist at the Parker Parflex Division at 330-296-2871.

Note: Burst pressure is for reference and design purposes only and is no indication that the product should be used above the indicated related working pressure.

7812 - Hydraulic - No Skive Hose

SAE 100R2 Type AT

43 Series Parkrimp Fittings



- Constructed of a synthetic rubber tube; two braids of high tensile steel wire reinforcement separated by a synthetic rubber layer; oil, weather and abrasion resistant MSHA approved synthetic rubber cover.
- High pressure service with petroleum based hydraulic fluids and lubricating oils within a temperature range of -40°F to $+250^{\circ}\text{F}$ (-40°C to $+121^{\circ}\text{C}$).
- Water, water/glycol, and water/oil fire resistant hydraulic fluids, hot oils, grease, lubricants, crude and fuel oils within a temperature range up to $+185^{\circ}\text{F}$ ($+85^{\circ}\text{C}$).
- Air up to $+150^{\circ}$ (66°C) maximum and water up to $+185^{\circ}\text{F}$ ($+85^{\circ}\text{C}$) maximum. For air or gas applications above 250psi (1,5MPa), the cover must be pinpricked.
- Use 43 Series Parkrimp Fittings
- Refer to Crimp Selection Chart in Crimping Equipment Section for Crimp Diameters

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Burst Pressure		Minimum Bend Radius		Weight		Parkrimp Fitting
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	kg/m	Series
7812-04	1/4	6,3	0.59	15	5 000	34,5	20 000	138	4	102	0.26	0.39	43
7812-06	3/8	10	0.75	19	4 000	27,5	16 000	110	5	127	0.37	0.55	43
7812-08	1/2	12,5	0.88	22	3 500	24	14 000	96	7	178	0.45	0.67	43
7812-10	5/8	16	1.00	25	2 750	19	11 000	76	8	203	0.52	0.77	43
7812-12	3/4	19	1.16	29	2 250	15,5	9 000	62	9-1/2	241	0.67	1.00	43
7812-16	1	25	1.50	38	2 000	13,8	8 000	55	12	305	1.00	1.49	43
7812-20	1-1/4	31,5	1.89	48	1 625	11,2	6 500	45	16-1/2	419	1.16	1.73	43

Pioneer® 3000 XP2 - No Skive Hose

SAE 100R1 Type AT - DIN 20 022-75N

43 Series Parkrimp Fittings



- Constructed of a synthetic rubber tube; one braid of special high tensile steel wire reinforcement; oil, weather and abrasion resistant MSHA approved synthetic rubber cover.
- Medium pressure service with petroleum based hydraulic fluids within a temperature range of -40° F to +212° F (-40° C to +100° C).
- Water, water/glycol, and water/oil fire resistant hydraulic fluids, hot oils, grease, lubricants, crude and fuel oils within a temperature range up to +185° F (+85° C).
- Air up to +150° (66° C) maximum and water up to +185° F (+85° C) maximum. For air or gas applications above 250psi (1,5MPa), the cover must be pinpricked.
- Use 43 Series Parkrimp Fittings
- Refer to Crimp Selection Chart in Crimping Equipment Section for Crimp Diameters

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Burst Pressure		Minimum Bend Radius		Weight		Parkrimp Fitting Series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	kg/m	
XP2-4	1/4	6,3	0.53	13	3 000	20,7	12 000	83	2	51	0.16	0.24	43
XP2-6	3/8	10	0.69	18	3 000	20,7	12 000	83	2-1/2	64	0.23	0.34	43
XP2-8	1/2	12,5	0.81	21	3 000	20,7	12 000	83	3-1/2	89	0.29	0.43	43

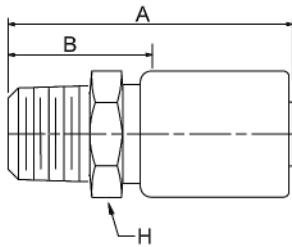


Hose Fittings

Pioneer offers both HY and 43 Series hose fittings to meet customer demands. HY Series fittings are compression style fittings that work with Farmex[®] and Farmex[®] II, AG I and AG II. 43 Series are a bite-the-braid style fitting that is used with 7812, XP2 and HTB hose.

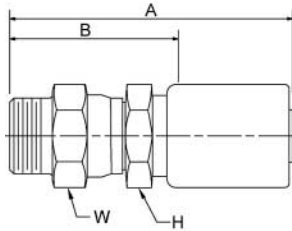
HY Fittings	14
43 Series	30

101HY (HY-MP) Male NPTF Pipe Rigid - Straight



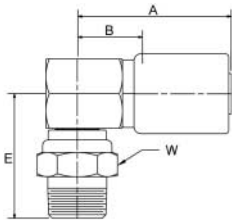
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	B	
		inch		inch		inch	mm	inch	inch	mm
101HY-2-4	HY04-02MP	1/8x27	-2	1/4	-4	2.34	59	5/8	1.00	25
101HY-4-4	HY04-04MP	1/4x18	-4	1/4	-4	2.53	64	9/16	1.19	30
101HY-4-5	HY05-04MP	1/4x18	-4	5/16	-5	2.56	65	11/16	1.22	31
101HY-4-6	HY06-04MP	1/4x18	-4	3/8	-6	2.55	65	11/16	1.19	30
101HY-4-7	HY07-04MP	1/4x18	-4	13/32	-7	2.55	65	7/8	1.19	30
101HY-6-4	HY04-06MP	3/8x18	-6	1/4	-4	2.53	64	3/4	1.19	30
101HY-6-5	HY05-06MP	3/8x18	-6	5/16	-5	2.56	65	3/4	1.22	31
101HY-6-6	HY06-06MP	3/8x18	-6	3/8	-6	2.55	65	3/4	1.19	30
101HY-6-7	HY07-06MP	3/8x18	-6	13/32	-7	2.55	65	7/8	1.19	30
101HY-6-8	HY08-06MP	3/8x18	-6	1/2	-8	2.72	69	7/8	1.38	35
101HY-8-4	HY04-08MP	1/2x14	-8	1/4	-4	2.72	69	7/8	1.38	35
101HY-8-6	HY06-08MP	1/2x14	-8	3/8	-6	2.73	69	7/8	1.38	35
101HY-8-7	HY07-08MP	1/2x14	-8	13/32	-7	2.73	69	7/8	1.38	35
101HY-8-8	HY08-08MP	1/2x14	-8	1/2	-8	2.91	74	7/8	1.56	40
101HY-8-9	HY09-08MP	1/2x14	-8	1/2	-9	2.98	76	7/8	1.41	36
101HY-8-10	HY10-08MP	1/2x14	-8	5/8	-10	2.94	75	1-1/8	1.59	40
101HY-8-12	HY12-08MP	1/2x14	-8	3/4	-12	3.08	78	1-1/4	1.50	38
101HY-12-8	HY08-12MP	3/4x14	-12	1/2	-8	2.91	74	1-1/16	1.56	40
101HY-12-10	HY10-12MP	3/4x14	-12	5/8	-10	2.98	76	1-1/8	1.59	40
101HY-12-12	HY12-12MP	3/4x14	-12	3/4	-12	3.08	78	1-1/4	1.50	38
101HY-12-14	HY14-12MP	3/4x14	-12	7/8	-14	3.08	78	1-3/8	1.59	40
101HY-12-16	HY16-12MP	3/4x14	-12	1	-16	3.23	82	1-3/8	1.63	41
101HY-16-12	HY12-16MP	1x11 1/2	-16	3/4	-12	3.27	83	1-3/8	1.69	43
101HY-16-14	HY14-16MP	1x11 1/2	-16	7/8	-14	3.27	83	1-3/8	1.78	45
101HY-16-16	HY16-16MP	1x11 1/2	-16	1	-16	3.42	87	1-3/8	1.81	46

113HY (HY-MS and HY-SP) Male NPTF Pipe Swivel - Straight



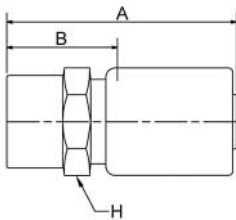
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	W	B	
		inch		inch		inch	mm	inch	inch	inch	mm
113HY-2-4	HY04-02MS	1/8x27	-2	1/4	-4	2.97	75	9/16	5/8	1.63	41
113HY-2-4	HY04-02SP	1/8x27	-2	1/4	-4	2.97	75	9/16	5/8	1.63	41
113HY-4-4	HY04-04MS	1/4x18	-4	1/4	-4	3.06	78	9/16	5/8	1.72	44
113HY-4-4	HY04-04SP	1/4x18	-4	1/4	-4	3.06	78	9/16	5/8	1.72	44
113HY-4-6	HY06-04MS	1/4x18	-4	3/8	-6	3.17	81	11/16	11/16	1.81	46
113HY-4-6	HY06-04SP	1/4x18	-4	3/8	-6	3.17	81	11/16	11/16	1.81	46
113HY-6-4	HY04-06MS	3/8x18	-6	1/4	-4	3.13	80	5/8	11/16	1.78	45
113HY-6-4	HY04-06SP	3/8x18	-6	1/4	-4	3.13	80	5/8	11/16	1.78	45
113HY-6-6	HY06-06MS	3/8x18	-6	3/8	-6	3.11	79	11/16	11/16	1.75	44
113HY-6-6	HY06-06SP	3/8x18	-6	3/8	-6	3.11	79	11/16	11/16	1.75	44
113HY-8-6	HY06-08MS	1/2x14	-8	3/8	-6	3.38	86	7/8	7/8	2.03	52
113HY-8-6	HY06-08SP	1/2x14	-8	3/8	-6	3.38	86	7/8	7/8	2.03	52
113HY-6-8	HY08-06MS	3/8x18	-6	1/2	-8	3.31	84	7/8	7/8	1.97	50
113HY-6-8	HY08-06SP	3/8x18	-6	1/2	-8	3.31	84	7/8	7/8	1.97	50
113HY-8-8	HY08-08MS	1/2x14	-8	1/2	-8	3.50	89	7/8	7/8	2.16	55
113HY-8-8	HY08-08SP	1/2x14	-8	1/2	-8	3.50	89	7/8	7/8	2.16	55
113HY-12-12	HY12-12MS	3/4x14	-12	3/4	-12	3.95	100	1 1/4	1-1/4	2.38	60
113HY-12-12	HY12-12SP	3/4x14	-12	3/4	-12	3.95	100	1 1/4	1-1/4	2.38	60
113HY-16-16	HY16-16MS	1x11-1/2	-16	1	-16	4.23	107	1 1/2	1-1/2	2.63	67
113HY-16-16	HY16-16SP	1x11-1/2	-16	1	-16	4.23	107	1 1/2	1-1/2	2.63	67

11LHY (HY-SP90) Male NPTF Pipe Swivel - 90° Elbow



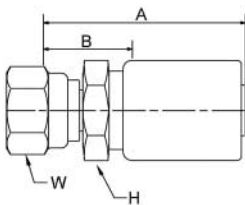
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W		B	
		inch		inch		inch	mm	inch	mm	inch	mm	inch	mm
11LHY-2-4	HY04-02SP90	1/8x27	-2	1/4	-4	2.31	59	1.50	38	5/8	.97	25	
11LHY-4-4	HY04-04SP90	1/4x18	-4	1/4	-4	2.31	59	1.69	43	11/16	.97	25	
11LHY-4-6	HY06-04SP90	1/4x18	-4	3/8	-6	2.33	59	1.69	43	11/16	.97	25	
11LHY-6-4	HY04-06SP90	3/8x18	-6	1/4	-4	2.31	59	1.63	41	11/16	.97	25	
11LHY-6-6	HY06-06SP90	3/8x8	-6	3/8	-6	2.33	59	1.63	41	11/16	.97	25	
11LHY-8-6	HY06-08SP90	1/2x14	-8	3/8	-6	2.73	69	1.88	48	7/8	.97	25	
11LHY-8-8	HY08-08SP90	1/2x14	-8	1/2	-8	3.00	76	1.93	49	7/8	1.09	28	

102HY (HY-FF) Female NPTF Pipe Rigid - Straight



# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H		B	
		inch		inch		inch	mm	inch	mm	inch	mm
102HY-2-4	HY04-02FF	1/8x27	-2	1/4	-4	2.34	59	5/8	1.00	25	
102HY-4-4	HY04-04FF	1/4x18	-4	1/4	-4	2.47	63	11/16	1.13	29	
102HY-4-6	HY06-04FF	1/4x18	-4	3/8	-6	2.48	63	11/16	1.13	29	
102HY-6-4	HY04-06FF	3/8x18	-6	1/4	-4	2.47	63	7/8	1.13	29	
102HY-6-6	HY06-06FF	3/8x18	-6	3/8	-6	2.48	63	7/8	1.13	29	
102HY-8-6	HY06-08FF	1/2x14	-8	3/8	-6	2.75	70	1	1.41	36	
102HY-8-8	HY08-08FF	1/2x14	-8	1/2	-8	2.84	72	1	1.50	38	
102HY-8-12	HY12-08FF	1/2x14	-8	3/4	-12	2.83	72	1-1/4	1.25	32	
102HY-12-12	HY12-12FF	3/4x14	-12	3/4	-12	2.83	72	1-1/4	1.25	32	
102HY-16-16	HY16-16FF	1x11-1/2	-16	1	16	3.27	83	1-1/2	1.66	42	

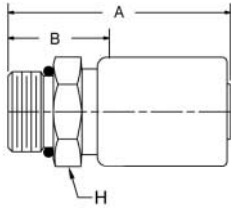
107HY (HY-RV) Female NPSM Pipe Swivel - Straight (60° Cone)



# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H		W		B	
		inch		inch		inch	mm	inch	mm	inch	mm	inch	mm
107HY-6-6	HY06-06RV	3/8x18	-6	3/8	-6	2.55	65	3/4	3/4	1.19	30		

105HY (HY-RA) Male SAE Straight Thread with O-Ring - Rigid - Straight

Note: O-Ring is not compatible with Phosphate Ester fluids.

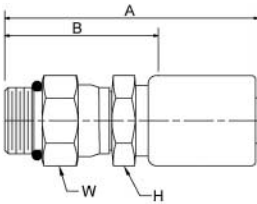


# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H		B	
		inch		inch		inch	mm	inch		inch	mm
105HY-4-4	HY04-04RA	7/16x20	-4	1/4	-4	2.33	59	9/16		.97	25
105HY-5-4	HY04-05RA	1/2x20	-5	1/4	-4	2.33	59	5/8		.97	25
105HY-6-4	HY04-06RA	9/16x18	-6	1/4	-4	2.42	61	11/16		1.06	27
105HY-6-6	HY06-06RA	9/16x18	-6	3/8	-6	2.38	60	11/16		1.03	26
105HY-8-6	HY06-08RA	3/4x16	-8	3/8	-6	2.42	61	7/8		1.06	27
105HY-8-8	HY08-08RA	3/4x16	-8	1/2	-8	2.59	66	7/8		1.25	32
105HY-8-10	HY10-08RA	3/4x16	-8	5/8	-10	2.73	69	1 1/8		1.34	34
105HY-10-6	HY06-10RA	7/8x14	-10	3/8	-6	2.55	65	1		1.19	30
105HY-10-8	HY08-10RA	7/8x14	-10	1/2	-8	2.66	68	1		1.31	33
105HY-10-10	HY10-10RA	7/8x14	-10	5/8	-10	2.80	71	1 1/8		1.41	36
105HY-12-8	HY08-12RA	1 1/16x12	-12	1/2	-8	2.81	71	1 1/4		1.47	37
105HY-12-10	HY10-12RA	1 1/16x12	-12	5/8	-10	2.83	72	1 1/4		1.44	37
105HY-12-12	HY12-12RA	1 1/16x12	-12	3/4	-12	2.92	74	1 1/4		1.34	34
105HY-14-16	HY16-14RA	1 3/16x12	-14	1	-16	3.08	78	1 3/8		1.47	37
105HY-16-12	HY12-16RA	1 5/16x12	-16	3/4	-12	2.92	74	1 1/2		1.34	34
105HY-16-16	HY16-16RA	1 5/16x12	-16	1	-16	3.08	78	1 1/2		1.47	37

10GHY (HY-RC) Male SAE Straight Thread with O-Ring - Swivel - Straight

Note: The fitting allows minor movement under pressure to relieve stress on hose. It is not to be used for continuous or extensive swiveling.

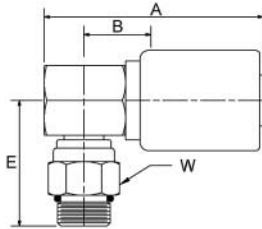
Note: O-Ring is not compatible with Phosphate Ester fluids.



# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	W	B	
		inch		inch		inch	mm	inch	inch	inch	mm
10GHY-4-4	HY04-04RC	7/16x20	-4	1/4	-4	3.00	76	9/16	5/8	1.66	42
10GHY-5-4	HY04-05RC	1/2x20	-5	1/4	-4	3.00	76	9/16	5/8	1.66	42
10GHY-6-4	HY04-06RC	9/16x18	-6	1/4	-4	3.16	80	5/8	11/16	1.81	46
10GHY-6-6	HY06-06RC	9/16x18	-6	3/8	-6	3.14	80	11/16	11/16	1.78	45
10GHY-8-6	HY06-08RC	3/4x16	-8	3/8	-6	3.24	82	13/16	7/8	1.88	48
10GHY-8-8	HY08-08RC	3/4x16	-8	1/2	-8	3.36	85	7/8	7/8	2.00	51
10GHY-10-8	HY08-10RC	7/8x14	-10	1/2	-8	3.44	87	1	1	2.09	53
10GHY-10-10	HY10-10RC	7/8x14	-10	5/8	-10	3.58	91	1 1/8	1	2.19	56
10GHY-12-8	HY08-12RC	1 1/16x12	-12	1/2	-8	3.66	93	1 1/4	1 1/4	2.31	59
10GHY-12-12	HY12-12RC	1 1/16x12	-12	3/4	-12	3.89	99	1 1/4	1 1/4	2.31	59
10GHY-14-12	HY12-14RC	1 3/16x12	-14	3/4	-12	3.92	100	1 1/4	1 3/8	2.34	59
10GHY-16-16	HY16-16RC	1 5/16x12	-16	1	-16	3.95	100	1 3/8	1 1/2	2.34	59

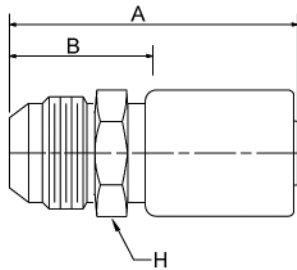
10LHY (HY-RC90) Male SAE Straight Thread with O-Ring - Swivel 90° Elbow

Note: The fitting allows minor movement under pressure to relieve stress on hose. It is not to be used for continuous or extensive swiveling.
 Note: O-Ring is not compatible with Phosphate Ester fluids.



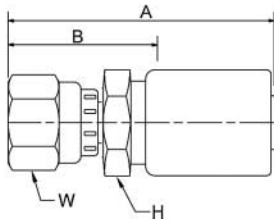
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W		B	
		inch		inch		inch	mm	inch	mm	inch	inch	mm	mm
10LHY-4-4	HY04-04RC90	7/16x20	-4	1/4	-4	2.31	59	1.63	41	11/16	.97	25	
10LHY-6-4	HY04-06RC90	9/16x18	-6	1/4	-4	2.31	59	1.66	42	7/8	.97	25	
10LHY-8-4	HY04-08RC90	3/4x16	-8	1/4	-4	2.31	59	1.75	44	7/8	.94	24	
10LHY-4-6	HY06-04RC90	7/16x20	-4	3/8	-6	2.33	59	1.60	41	11/16	.97	25	
10LHY-6-6	HY06-06RC90	9/16x18	-6	3/8	-6	2.33	59	1.66	42	11/16	.97	25	
10LHY-8-6	HY06-08RC90	3/4x16	-8	3/8	-6	2.33	59	1.73	44	7/8	.97	25	
10LHY-10-6	HY06-10RC90	7/8x14	-10	3/8	-6	2.33	59	1.84	47	1	.97	25	
10LHY-8-8	HY08-08RC90	3/4x16	-8	1/2	-8	3.00	76	1.80	46	7/8	1.09	28	
10LHY-10-8	HY08-10RC90	7/8x14	-10	1/2	-8	3.00	76	1.88	48	1	1.09	28	
10LHY-12-12	HY12-12RC90	1 1/16x12	-12	3/4	-12	2.77	70	2.23	57	1 1/4	1.19	30	
10LHY-14-12	HY12-14RC90	1 3/16x12	-14	3/4	-12	2.77	70	2.28	58	1 3/8	1.19	30	
10LHY-16-16	HY16-16RC90	1 5/16x12	-16	1	-16	3.03	77	2.40	61	1 1/2	1.41	36	

103HY (HY-MJ) Male JIC 37° Rigid - Straight



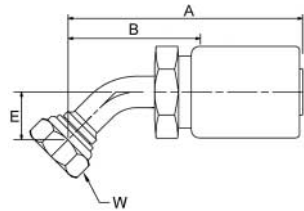
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H		B	
		inch		inch		inch	mm	inch	inch	mm	mm
103HY-4-4	HY04-04MJ	7/16x20	-4	1/4	-5	2.52	64	5/8	1.19	30	
103HY-5-4	HY04-05MJ	1/2x20	-5	1/4	-4	2.52	64	5/8	1.19	30	
103HY-5-5	HY05-05MJ	1/2x20	-5	5/16	-5	2.55	65	5/8	1.19	30	
103HY-6-4	HY04-06MJ	9/16x18	-6	1/4	-4	2.53	64	11/16	1.19	30	
103HY-6-5	HY05-06MJ	9/16x18	-6	5/16	-5	2.56	65	11/16	1.22	31	
103HY-6-6	HY06-06MJ	9/16x18	-6	3/8	-6	2.54	65	11/16	1.19	30	
103HY-6-8	HY08-06MJ	9/16x18	-6	1/2	-8	2.72	69	7/8	1.38	35	
103HY-8-6	HY06-08MJ	3/4x16	-8	3/8	-6	2.64	67	13/16	1.28	33	
103HY-8-7	HY07-08MJ	3/4x16	-8	13/32	-7	2.64	67	7/8	1.28	33	
103HY-8-8	HY08-08MJ	3/4x16	-8	1/2	-8	2.81	71	7/8	1.47	37	
103HY-8-9	HY09-08MJ	3/4x16	-8	1/2	-9	2.81	71	7/8	1.47	37	
103HY-10-6	HY06-10MJ	7/8x14	-10	3/8	-6	2.81	71	1	1.47	37	
103HY-10-8	HY08-10MJ	7/8x14	-10	1/2	-8	2.91	74	1	1.56	40	
103HY-10-10	HY10-10MJ	7/8x14	-10	5/8	-10	2.98	76	1-1/8	1.59	40	
103HY-10-12	HY12-10MJ	7/8x14	-10	3/4	-12	3.08	78	1-1/4	1.50	38	
103HY-12-8	HY08-12MJ	1-1/16x12	-12	1/2	-8	3.02	77	1-1/8	1.66	42	
103HY-12-10	HY10-12MJ	1-1/16x12	-12	5/8	-10	3.09	78	1-1/8	1.72	44	
103HY-12-12	HY12-12MJ	1-1/16x12	-12	3/4	-12	3.19	81	1-1/4	1.63	41	
103HY-14-12	HY12-14MJ	1-3/16x12	-14	3/4	-12	3.19	81	1-1/4	1.63	41	
103HY-16-12	HY12-16MJ	1-5/16x12	-16	3/4	-12	3.23	82	1-3/8	1.66	42	
103HY-16-14	HY14-16MJ	1-5/16x12	-16	7/8	-14	3.24	82	1-3/8	1.75	44	
103HY-16-16	HY16-16MJ	1-5/16x12	-16	1	-16	3.39	86	1-3/8	1.78	45	
103HY-20-16	HY16-20MJ	1-5/8x12	-20	1	-16	3.44	87	1-3/4	1.81	46	

106HY (HY-FJ) Female JIC 37° Swivel - Straight



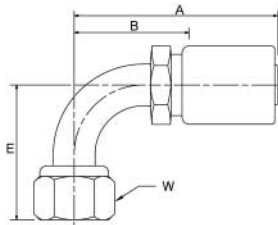
# Part Number	# Part Number	Thread		Hose		A		H	W	B	
		inch	inch	inch	inch	inch	mm	inch	inch	inch	mm
106HY-3-4	HY04-03FJ	3/8x24	-3	1/4	-4	2.58	66	9/16	1/2	1.22	31
106HY-4-4	HY04-04FJ	7/16x20	-4	1/4	-4	2.60	66	9/16	9/16	1.25	32
106HY-4-6	HY06-04FJ	7/16x20	-4	3/8	-6	2.67	68	3/4	9/16	1.31	33
106HY-5-4	HY04-05FJ	1/2x20	-5	1/4	-4	2.65	67	9/16	5/8	1.31	33
106HY-5-6	HY06-05FJ	1/2x20	-5	3/8	-6	2.73	69	3/4	5/8	1.38	35
106HY-6-4	HY04-06FJ	9/16x18	-6	1/4	-4	2.67	68	5/8	11/16	1.31	33
106HY-6-6	HY06-06FJ	9/16x18	-6	3/8	-6	2.69	68	11/16	11/16	1.34	34
106HY-6-8	HY08-06FJ	9/16x18	-6	1/2	-8	2.86	73	7/8	11/16	1.50	38
106HY-8-6	HY06-08FJ	3/4x16	-8	3/8	-6	2.72	69	7/8	7/8	1.38	35
106HY-8-8	HY08-08FJ	3/4x16	-8	1/2	-8	2.90	74	7/8	7/8	1.56	40
106HY-8-10	HY10-08FJ	3/4x16	-8	5/8	-10	2.98	76	1-1/8	7/8	1.59	40
106HY-8-12	HY12-08FJ	3/4x16	-8	3/4	-10	3.08	78	1-1/4	7/8	1.53	39
106HY-10-6	HY06-10FJ	7/8x14	-10	3/8	-6	2.81	71	7/8	1	1.47	37
106HY-10-8	HY08-10FJ	7/8x14	-10	1/2	-8	2.98	76	1	1	1.63	41
106HY-10-10	HY10-10FJ	7/8x14	-10	5/8	-10	3.06	78	1-1/8	1	1.69	43
106HY-10-12	HY12-10FJ	7/8x14	-10	3/4	-12	3.16	80	1-1/4	1	1.59	40
106HY-12-8	HY08-12FJ	1-1/16x12	-12	1/2	-8	3.05	77	1-1/8	1-1/4	1.69	43
106HY-12-10	HY10-12FJ	1-1/16x12	-12	5/8	-10	3.12	79	1-1/8	1-1/4	1.75	44
106HY-12-12	HY12-12FJ	1-1/16x12	-12	3/4	-12	3.22	82	1-1/4	1-1/4	1.66	42
106HY-12-16	HY16-12FJ	1-1/16x12	-12	1	-16	3.38	86	1-3/8	1-1/4	1.75	44
106HY-14-10	HY10-14FJ	1-3/16x12	-14	5/8	-10	3.12	79	1-3/8	1-3/8	1.75	44
106HY-14-16	HY16-14FJ	1-3/16x12	-14	1	-16	3.38	86	1-3/8	1-3/8	1.75	44
106HY-16-12	HY12-16FJ	1-5/16x12	-16	3/4	-12	3.30	84	1-3/8	1-1/2	1.72	44
106HY-16-16	HY16-16FJ	1-5/16x12	-16	1	-16	3.45	88	1-3/8	1-1/2	1.84	47
106HY-20-16	HY16-20FJ	1-5/8x12	-20	1	-16	3.70	94	1-3/4	2	2.09	53

137HY (HY-FJ45T) Female JIC 37° Swivel - 45° Elbow



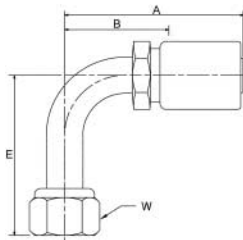
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W	B	
		inch	inch	inch	inch	inch	mm	inch	mm	inch	inch	mm
137HY-4-4	HY04-04FJ45T	7/16x20	-4	1/4	-4	3.24	82	.33	8	9/16	1.88	48
137HY-5-4	HY04-05FJ45T	1/2x20	-5	1/4	-4	3.27	83	.36	9	5/8	1.91	49
137HY-6-4	HY04-06FJ45T	9/16x18	-6	1/4	-4	3.34	85	.39	10	3/4	2.00	51
137HY-6-5	HY05-06FJ45T	9/16x18	-6	5/16	-5	3.34	85	.39	10	11/16	2.00	51
137HY-6-6	HY06-06FJ45T	9/16x18	-6	3/8	-6	3.33	85	.39	10	11/16	1.97	50
137HY-8-6	HY06-08FJ45T	3/4x16	-8	3/8	-6	3.66	93	.54	14	7/8	2.31	59
137HY-8-8	HY08-08FJ45T	3/4x16	-8	1/2	-8	3.77	96	.54	14	7/8	2.41	61
137HY-10-8	HY08-10FJ45T	7/8x14	-10	1/2	-8	3.41	87	.63	16	1	2.06	52
137HY-10-10	HY10-10FJ45T	7/8x14	-10	5/8	-10	3.69	94	.63	16	1	2.31	59
137HY-12-10	HY10-12FJ45T	1 1/16x12	-12	5/8	-10	3.94	100	.77	20	1 1/8	2.56	65
137HY-12-12	HY12-12FJ45T	1 1/16x12	-12	3/4	-12	3.89	99	.77	20	1 1/4	2.31	59
137HY-12-16	HY16-12FJ45T	1 1/16x12	-12	1	-16	3.92	100	.77	20	1 1/4	2.31	59
137HY-16-12	HY12-16FJ45T	1 5/16x12	-16	3/4	-12	4.35	110	.89	23	1 1/2	2.78	71
137HY-16-16	HY16-16FJ45T	1 5/16x12	-16	1	-16	4.31	109	.89	23	1 1/2	2.69	68

139HY (HY-FJ90T) Female JIC 37° Swivel - 90° Elbow - Short Drop



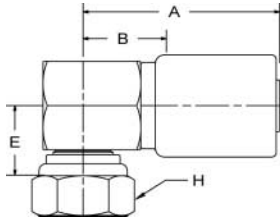
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W	B	
		inch		inch		inch	mm	inch	mm	inch	inch	mm
139HY-4-4	HY04-04FJ90T	7/16x20	-4	1/4	-4	3.13	80	0.69	18	9/16	1.78	45
139HY-5-4	HY04-05FJ90T	1/2x20	-5	1/4	-4	3.16	80	0.77	20	5/8	1.81	46
139HY-5-5	HY05-05FJ90T	1/2x20	-5	5/16	-5	3.19	81	0.77	20	5/8	1.84	47
139HY-6-4	HY04-06FJ90T	9/16x18	-6	1/4	-4	3.25	83	0.86	22	3/4	1.91	49
139HY-6-5	HY05-06FJ90T	9/16x18	-6	5/16	-5	3.25	83	0.86	22	11/16	1.91	49
139HY-6-6	HY06-06FJ90T	9/16x18	-6	3/8	-6	3.23	82	0.86	22	11/16	1.88	48
139HY-6-8	HY08-06FJ90T	9/16x18	-6	1/2	-8	3.41	87	0.86	22	11/16	2.06	52
139HY-8-6	HY06-08FJ90T	3/4x16	-8	3/8	-6	3.48	88	1.12	28	7/8	2.13	54
139HY-8-7	HY07-08FJ90T	3/4x16	-8	13/32	-7	3.03	77	1.09	28	7/8	1.69	43
139HY-8-8	HY08-08FJ90T	3/4x16	-8	1/2	-8	3.59	91	1.13	29	7/8	2.25	57
139HY-8-9	HY09-08FJ90T	3/4x16	-8	1/2	-9	3.59	91	1.12	28	7/8	2.25	57
139HY-10-8	HY08-10FJ90T	7/8x14	-10	1/2	-8	3.11	79	1.23	31	1	1.75	44
139HY-10-10	HY10-10FJ90T	7/8x14	-10	5/8	-10	3.39	86	1.23	31	1	2.00	51
139HY-10-12	HY12-10FJ90T	7/8x14	-10	3/4	-12	3.25	83	1.23	31	1	1.69	43
139HY-12-8	HY08-12FJ90T	1 1/16x12	-12	1/2	-8	3.61	92	1.83	46	1 1/4	2.25	57
139HY-12-10	HY10-12FJ90T	1 1/16x12	-12	5/8	-10	3.89	99	1.83	46	1 1/4	2.50	64
139HY-12-12	HY12-12FJ90T	1 1/16x12	-12	3/4	-12	3.84	98	1.83	46	1 1/4	2.28	58
139HY-16-12	HY12-16FJ90T	1 5/16x12	-16	3/4	-12	4.33	110	2.14	54	1 1/2	2.78	71
139HY-16-14	HY14-16FJ90T	1 5/16x12	-16	7/8	-14	3.97	101	2.14	54	1 1/2	2.50	64
139HY-16-16	HY16-16FJ90T	1 5/16x12	-16	1	-16	4.31	109	2.31	59	1 1/2	2.69	68

141HY (HY-FJ90TL) Female JIC 37° Swivel - 90° Elbow - Long Drop



# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W	B	
		inch		inch		inch	mm	inch	mm	inch	inch	mm
141HY-4-4	HY04-04FJ90TL	7/16x20	-4	1/4	-4	3.13	80	1.80	46	9/16	1.78	45
141HY-5-4	HY04-05FJ90TL	1/2x20	-5	1/4	-4	3.16	80	1.77	45	5/8	1.81	46
141HY-6-4	HY04-06FJ90TL	9/16x18	-6	1/4	-4	3.22	82	2.19	56	11/16	1.88	48
141HY-6-5	HY05-06FJ90TL	9/16x18	-6	5/16	-5	3.25	83	2.19	56	11/16	1.91	49
141HY-6-6	HY06-06FJ90TL	9/16x18	-6	3/8	-6	3.23	82	2.19	56	11/16	1.88	48
141HY-6-8	HY08-06FJ90TL	9/16x18	-6	1/2	-8	3.41	87	2.19	56	11/16	2.06	52
141HY-8-6	HY06-08FJ90TL	3/4x16	-8	3/8	-6	3.48	88	2.44	62	7/8	2.13	54
141HY-8-7	HY07-08FJ90TL	3/4x16	-8	13/32	-7	3.16	80	2.44	62	7/8	1.81	46
141HY-8-8	HY08-08FJ90TL	3/4x16	-8	1/2	-8	3.59	91	2.44	62	7/8	2.25	57
141HY-10-8	HY08-10FJ90TL	7/8x14	-10	1/2	-8	3.36	85	2.58	66	1	2.00	51
141HY-12-8	HY08-12FJ90TL	1 1/16x12	-12	1/2	-8	3.61	92	3.73	95	1 1/4	2.25	57
141HY-12-12	HY12-12FJ90TL	1 1/16x12	-12	3/4	-12	3.59	91	3.73	95	1 1/4	2.03	52
141HY-16-16	HY16-16FJ90TL	1 5/16x12	-16	1	-16	4.56	116	4.33	110	1 1/2	2.94	75

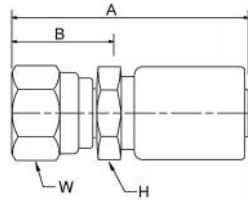
193HY (HY-FJ90) Female JIC 37° Swivel - 90° Elbow - Block Type



# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W		B	
		inch		inch		inch	mm	inch	mm	inch	inch	mm	mm
193HY-6-6	HY06-06FJ90	9/16x18	-6	3/8	-6	2.33	59	0.78	20	11/16	0.97	25	
193HY-8-8	HY08-08FJ90	3/4x16	-8	1/2	-8	3.00	76	0.85	22	7/8	1.09	28	
193HY-10-8	HY08-10FJ90	7/8x14	-10	1/2	-8	3.00	76	0.89	23	1	1.09	28	
193HY-10-12	HY12-10FJ90	7/8x14	-10	3/4	-12	3.25	83	0.96	24	1	1.19	30	
193HY-12-12	HY12-12FJ90	1-1/16x12	-12	3/4	-12	3.33	85	0.99	25	1-1/4	1.19	30	

108HY (HY-FA) Female SAE 45° Swivel - Straight

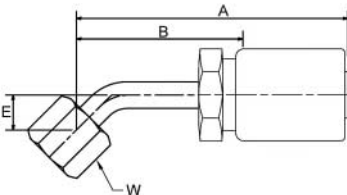
Note: Notch in nut for SAE 45° flare.



# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	W	B	
		inch		inch		inch	mm	inch	inch	inch	mm
108HY-4-4	HY04-04FA	7/16x20	-4	1/4	-4	2.60	66	9/16	9/16	1.26	32
108HY-5-4	HY04-05FA	1/2x20	-5	1/4	-4	2.66	68	9/16	5/8	1.31	33
108HY-5-5	HY05-05FA	1/2x20	-5	5/16	-5	2.68	68	5/8	5/8	1.34	34
108HY-6-4	HY04-06FA	5/8x18	-6	1/4	-4	2.73	69	11/16	3/4	1.38	35
108HY-6-5	HY05-06FA	5/8x18	-6	5/16	-5	2.76	70	5/8	3/4	1.41	36
108HY-6-6	HY06-06FA	5/8x18	-6	3/8	-6	2.75	70	11/16	3/4	1.41	36
108HY-6-7	HY07-06FA	5/8x18	-6	13/32	-7	2.75	70	7/8	3/4	1.41	36
108HY-8-6	HY06-08FA	3/4x16	-8	3/8	-6	2.73	69	13/16	7/8	1.38	35
108HY-8-7	HY07-08FA	3/4x16	-8	13/32	-7	2.73	69	7/8	7/8	1.47	37
108HY-8-8	HY08-08FA	3/4x16	-8	1/2	-8	2.90	74	7/8	7/8	1.56	40
108HY-8-12	HY12-08FA	3/4x16	-8	3/4	-12	3.17	81	1 1/4	7/8	1.59	40
108HY-10-8	HY08-10FA	7/8x14	-10	1/2	-8	2.98	76	1	1	1.63	41
108HY-10-10	HY10-10FA	7/8x14	-10	5/8	-10	3.06	78	1 1/8	1	1.69	43
108HY-12-10	HY10-12FA	1 1/16x14	-12	5/8	-10	3.33	85	1 1/8	1 1/4	1.94	49
108HY-12-12	HY12-12FA	1 1/16x14	-12	3/4	-12	3.41	87	1 1/4	1 1/4	1.84	47

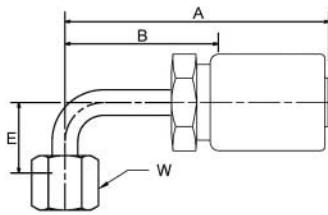
177HY (HY-FA45T) Female SAE 45° Swivel - 45° Elbow

Note: Notch in nut for SAE 45° flare.



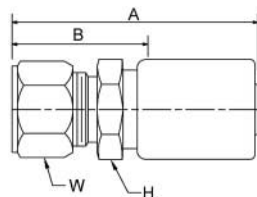
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W		B	
		inch		inch		inch	mm	inch	mm	inch	inch	mm	mm
177HY-4-6	HY06-04FA45T	7/16x20	-4	3/8	-6	3.19	81	0.33	8	9/16	1.84	47	
177HY-5-6	HY06-05FA45T	1/2x20	-5	3/8	-6	3.28	83	0.36	9	5/8	1.94	49	
177HY-6-6	HY06-06FA45T	5/8x18	-6	3/8	-6	3.33	85	0.39	10	3/4	1.97	50	
177HY-6-7	HY07-06FA45T	5/8x18	-6	13/32	-7	3.33	85	0.39	10	3/4	1.97	50	
177HY-12-10	HY10-12FA45T	1-1/16x14	-12	5/8	-10	3.94	100	0.77	20	1 1/4	2.56	65	
177HY-12-12	HY12-12FA45T	1-1/16x14	-12	3/4	-12	4.03	102	0.77	20	1 1/4	2.44	62	

179HY (HY-FA90T) Female SAE 45° - Swivel - 90° Elbow



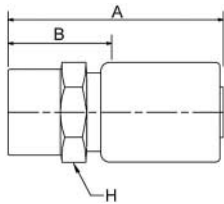
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W	B	
		inch		inch		inch	mm	inch	mm	inch	inch	mm
179HY-4-6	HY06-04FA90T	7/16x20	-4	3/8	-6	3.08	78	0.69	18	9/16	1.72	44
179HY-5-6	HY06-05FA90T	1/2x20	-5	3/8	-6	3.17	81	0.77	20	5/8	1.81	46
179HY-6-5	HY05-06FA90T	5/8x18	-6	5/16	-5	3.25	83	0.86	22	3/4	1.91	49
179HY-6-6	HY06-06FA90T	5/8x18	-6	3/8	-6	3.23	82	0.86	22	3/4	1.88	48
179HY-6-7	HY07-06FA90T	5/8x18	-6	13/32	-7	3.23	82	0.86	22	3/4	1.88	48
179HY-12-10	HY10-12FA90T	1-1/16x14	-12	5/8	-10	3.89	99	1.83	46	1 1/4	2.50	64
179HY-12-12	HY12-12FA90T	1-1/16x14	-12	3/4	-12	3.98	101	1.83	46	1 1/4	2.39	61

111HY (HY-MV, HY-MH and HY-MM) Male Ferulok Flareless - Rigid - Straight (24° Cone w/Nut and Ferrule)



# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	W	B	
		inch		inch		inch	mm	inch	inch	inch	mm
111HY-4-4	HY04-04MH	1/2x20	-4	1/4	-4	2.31	59	9/16		0.97	25
111HY-4-6	HY06-04MH	1/2x20	-4	3/8	-6	2.33	59	3/4		0.97	25
111HY-5-4	HY04-05MH	9/16x18	-5	1/4	-4	2.31	59	5/8		0.97	25
111HY-5-6	HY06-05MH	9/16x18	-5	3/8	-6	2.33	59	3/4		0.97	25
111HY-6-6	HY06-06MH	5/8x18	-6	3/8	-6	2.38	60	11/16		1.03	26
111HY-8-6	HY06-08MH	3/4x16	-8	3/8	-6	2.48	63	7/8		1.13	29
111HY-8-8	HY08-08MH	3/4x16	-8	1/2	-8	2.59	66	7/8		1.25	32
111HY-10-8	HY08-10MH	15/16x16	-10	1/2	-8	2.63	67	1		1.28	33
111HY-12-12	HY12-12MH	1-1/16x16	-12	3/4	-12	2.80	71	1-1/4		1.28	33
111HY-6-6	HY06-06MM	9/16x18	-6	3/8	-6	2.45	62	3/4		1.09	28
111HY-8-8	HY08-08MM	3/4x16	-8	1/2	-8	2.72	69	7/8		1.38	35
111HY-10-8	HY08-10MM	7/8x14	-10	1/2	-8	2.78	71	1		1.44	37
111HY-4-4	HY04-04MV	7/16x20	-4	1/4	-4	2.42	61	9/16	9/16	1.06	27
111HY-4-6	HY06-04MV	7/16x20	-4	3/8	-6	2.44	62	3/4	9/16	1.09	28
111HY-5-6	HY06-05MV	1/2x20	-5	3/8	-6	2.44	62	3/4	5/8	1.09	28
111HY-6-4	HY04-06MV	9/16x18	-6	1/4	-4	2.44	62	5/8	11/16	1.09	28
111HY-6-6	HY06-06MV	9/16x18	-6	3/8	-6	2.45	62	11/16	11/16	1.09	28
111HY-8-6	HY06-08MV	3/4x16	-8	3/8	-6	2.61	66	7/8	7/8	1.25	32
111HY-8-8	HY08-08MV	3/4x16	-8	1/2	-8	2.72	69	7/8	7/8	1.38	35
111HY-10-8	HY08-10MV	7/8x14	-10	1/2	-8	2.78	71	1	1	1.44	37
111HY-12-12	HY12-12MV	1-1/16x12	-12	3/4	-12	3.02	77	1-1/4	1-1/4	1.44	37
111HY-16-16	HY16-16MV	1-5/16x12	-16	1	-16	3.17	81	1	1-1/2	1.56	40

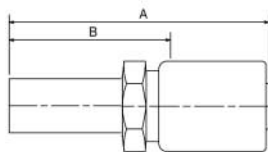
1GJHY (HY-NV) Female Grease Connection - Special PTF Taper Thread - Rigid - Straight



# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H		B	
		inch		inch		inch	mm	inch		inch	mm
1GJHY-8-4	HY04-08NV	1/2x27	-8	1/4	-4	2.41	61	3/4		1.06	27

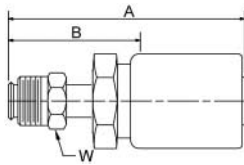
134HY (HY-RL) Male Standpipe Rigid - Straight (Inch Size Tube O.D.)

Note: 134HY requires the use of Ferrule nut (BU), Ferrule (TU), and Ferulok Fittings.



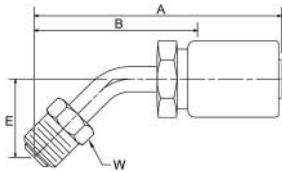
# Parker Part Number	# Dayco Part Number	R		Hose		A		B	
		inch		inch		inch	mm	inch	mm
134HY-4-4	HY04-04RL	1/4	-4	1/4	-4	3.03	77	1.69	43
134HY-6-4	HY04-06RL	3/8	-6	1/4	-4	3.16	80	1.81	46
134HY-6-6	HY06-06RL	3/8	-6	3/8	-6	3.17	81	1.81	46
134HY-8-6	HY06-08RL	1/2	-8	3/8	-6	3.33	85	1.97	50
134HY-8-8	HY08-08RL	1/2	-8	1/2	-8	3.44	87	2.09	53
134HY-10-8	HY08-10RL	7/8	-10	1/2	-8	3.66	93	2.31	59
134HY-12-10	HY10-12RL	3/4	-12	5/8	-10	3.80	97	2.41	61
134HY-12-12	HY12-12RL	3/4	-12	3/4	-12	3.89	99	2.31	59
134HY-16-16	HY16-16RL	1	-16	1	-16	4.23	107	2.63	67

128HY (HY-MF) Male Inverted SAE 45° Swivel - Straight



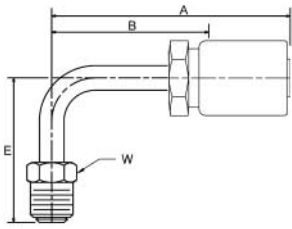
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		W	B	
		inch		inch		inch	mm	inch	inch	mm
128HY-3-4	HY04-03MF	3/8x24	-3	1/4	-4	3.09	78	3/8	1.75	44
128HY-4-4	HY04-04MF	7/16x24	-4	1/4	-4	3.28	83	7/16	1.94	49
128HY-4-6	HY06-04MF	7/16x24	-6	3/8	-4	3.11	79	7/16	1.75	44
128HY-5-4	HY04-05MF	1/2x20	-5	1/4	-4	3.34	85	1/2	2.00	51
128HY-5-5	HY05-05MF	1/2x20	-5	5/16	-5	3.41	87	1/2	2.06	52
128HY-5-6	HY06-05MF	1/2x20	-5	3/8	-6	3.17	81	1/2	1.81	46
128HY-6-5	HY05-06MF	5/8x18	-6	5/16	-5	3.75	95	5/8	2.41	61
128HY-6-6	HY06-06MF	5/8x18	-6	3/8	-6	3.73	95	5/8	2.38	60
128HY-7-6	HY06-07MF	11/16x18	-7	3/8	-7	3.73	95	11/16	2.38	60
128HY-8-6	HY06-08MF	3/4x18	-8	3/8	-8	3.42	87	3/4	2.06	52
128HY-8-8	HY08-08MF	3/4x18	-8	1/2	-8	3.66	93	3/4	2.31	59

167HY (HY-MF45T) Male Inverted SAE 45° Swivel - 45° Elbow



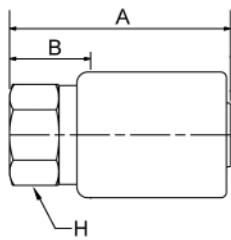
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W	B	
		inch		inch		inch	mm	inch	mm	inch	inch	mm
167HY-3-4	HY04-03MF45T	3/8x24	-3	1/4	-4	3.03	77	0.72	18	3/8	1.69	43
167HY-4-4	HY04-04MF45T	7/16x24	-4	1/4	-4	3.31	84	0.78	20	7/16	1.97	50
167HY-4-6	HY06-04MF45T	7/16x24	-4	3/8	-6	3.14	80	0.78	20	7/16	1.78	45
167HY-5-4	HY04-05MF45T	1/2x20	-5	1/4	-4	3.55	90	0.88	22	1/2	2.19	56
167HY-5-6	HY06-05MF45T	1/2x20	-5	3/8	-6	3.38	86	0.88	22	1/2	2.03	52
167HY-6-6	HY06-06MF45T	5/8x18	-6	3/8	-6	4.16	106	0.94	24	5/8	2.81	71
167HY-8-6	HY06-08MF45T	3/4x18	-8	3/8	-6	4.17	106	1.06	27	3/4	2.81	71
167HY-8-8	HY08-08MF45T	3/4x18	-8	1/2	-8	4.22	107	1.06	27	3/4	2.88	73

169HY (HY-MF90T) Male Inverted SAE 45° - Swivel - 90° Elbow



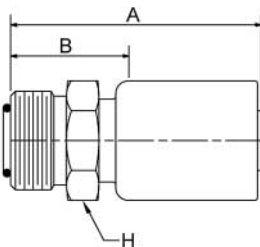
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W	B	
		inch		inch		inch	mm	inch	mm	inch	inch	mm
169HY-3-4	HY04-03MF90T	3/8x24	-3	1/4	-4	3.09	78	1.38	35	3/8	1.75	44
169HY-4-4	HY04-04MF90T	7/16x24	-4	1/4	-4	3.28	83	1.47	37	7/16	1.94	49
169HY-4-6	HY06-04MF90T	7/16x24	-4	3/8	-6	3.11	79	1.47	37	7/16	1.75	44
169HY-5-4	HY04-05MF90T	1/2x20	-5	1/4	-4	3.52	89	1.66	42	1/2	2.16	55
169HY-5-6	HY06-05MF90T	1/2x20	-5	3/8	-6	3.34	85	1.66	42	1/2	2.00	51
169HY-6-5	HY05-06MF90T	5/8x18	-6	5/16	-5	4.05	103	1.69	43	5/8	2.69	68
169HY-6-6	HY06-06MF90T	5/8x18	-6	3/8	-6	4.03	102	1.69	43	5/8	2.69	68
169HY-7-6	HY06-07MF90T	11/16x18	-7	3/8	-6	4.16	106	1.69	43	11/16	2.81	71
169HY-8-6	HY06-08MF90T	3/4x18	-8	3/8	-6	4.05	103	1.88	48	3/4	2.72	69
169HY-8-8	HY08-08MF90T	3/4x18	-8	1/2	-8	4.09	104	1.88	48	3/4	2.75	70

129HY (HY-NG) Female Inverted SAE 45° Rigid - Straight



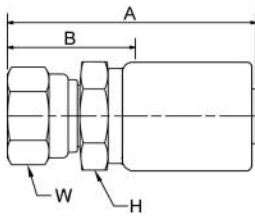
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	B	
		inch		inch		inch	mm	inch	inch	mm
129HY-4-4	HY04-04NG	7/16x24	-4	1/4	-4	2.16	55	9/16	0.81	21
129HY-5-4	HY04-05NG	1/2x20	-5	1/4	-5	2.25	57	5/8	0.91	23
129HY-5-5	HY05-05NG	1/2x20	-5	5/16	-5	2.25	57	5/8	0.91	23
129HY-6-6	HY06-06NG	5/8x18	-6	3/8	-6	2.25	57	7/8	0.91	23
129HY-8-6	HY06-08NG	3/4x18	-8	3/8	-8	2.30	58	1	0.94	24
129HY-8-8	HY08-08NG	3/4x18	-8	1/2	-8	2.41	61	1	1.06	27
129HY-12-12	HY12-12NG	1-1/16x16	-12	3/4	-12	2.61	66	1 1/4	1.03	26

1J0HY (HY-OM) Male Seal-Lok® Rigid - Straight (with O-Ring)



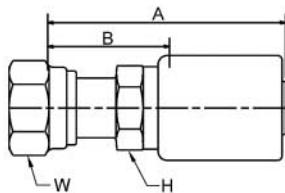
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	B	
		inch		inch		inch	mm	inch	inch	mm
1J0HY-4-4	HY04-04OM	9/16x18	-4	1/4	-4	2.36	60	5/8	1.00	25
1J0HY-6-6	HY06-06OM	11/16x16	-6	3/8	-6	2.49	63	3/4	1.13	29
1J0HY-8-8	HY08-08OM	13/16x16	-8	1/2	-8	2.69	68	7/8	1.34	34
1J0HY-12-8	HY08-12OM	1 3/16x12	-12	1/2	-8	2.91	74	1 1/4	1.56	40

1JCHY (HY-OF) Female Seal-Lok® Swivel - Straight - Short



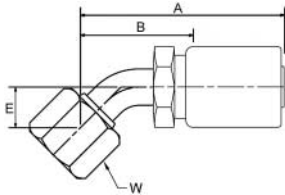
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	W	B	
		inch		inch		inch	mm	inch	inch	inch	mm
1JCHY-4-4	HY04-04OF	9/16x18	-4	1/4	-4	2.61	66	9/16	11/16	.94	24
1JCHY-6-6	HY06-06OF	11/16x16	-6	3/8	-6	2.69	68	11/16	13/16	.94	24
1JCHY-8-8	HY08-08OF	13/16x16	-8	1/2	-8	2.91	74	7/8	15/16	1.13	29
1JCHY-12-12	HY12-12OF	1 3/16x12	-12	3/4	-12	3.31	84	1 1/4	1 3/8	1.13	29

1JSHY (HY-OFT) Female Seal-Lok® Swivel - Straight - Long



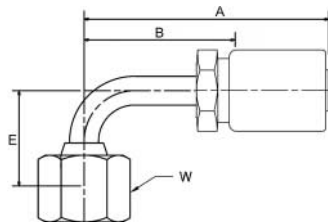
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	W	B	
		inch		inch		inch	mm	inch	inch	inch	mm
1JSHY-4-4	HY04-04OFT	9/16x18	-4	1/4	-4	2.59	66	9/16	11/16	1.25	32
1JSHY-6-4	HY04-06OFT	11/16x16	-6	1/4	-4	2.67	68	5/8	13/16	1.31	33
1JSHY-6-5	HY05-06OFT	11/16x16	-6	5/16	-5	2.70	69	5/8	13/16	1.34	34
1JSHY-6-6	HY06-06OFT	11/16x16	-6	3/8	-6	2.75	70	11/16	13/16	1.34	34
1JSHY-6-8	HY08-06OFT	11/16x16	-6	1/2	-8	2.87	73	7/8	15/16	1.53	39
1JSHY-8-6	HY06-08OFT	13/16x16	-8	3/8	-6	2.84	72	7/8	15/16	1.50	38
1JSHY-8-8	HY08-08OFT	13/16x16	-8	1/2	-8	2.95	75	7/8	15/16	1.59	40
1JSHY-10-8	HY08-10OFT	1x14	-10	1/2	-8	3.16	80	15/16	1 1/8	1.81	46
1JSHY-10-10	HY10-10OFT	1x14	-10	5/8	-10	3.17	81	1 1/8	1 1/8	1.78	45
1JSHY-10-12	HY12-10OFT	1x14	-10	3/4	-12	3.27	83	1 1/4	1 1/8	1.69	43
1JSHY-12-10	HY10-12OFT	1 3/16x12	-12	5/8	-10	3.20	81	1 1/8	1 3/8	1.81	46
1JSHY-12-12	HY12-12OFT	1 3/16 x12	-12	3/4	-12	3.30	84	1 1/4	1 3/8	1.72	44
1JSHY-12-14	HY14-12OFT	1 3/16 x12	-12	7/8	-14	3.30	84	1 3/8	1 3/8	1.81	46
1JSHY-16-12	HY12-16OFT	1 7/16x12	-16	3/4	-12	3.44	87	1 3/8	1 5/8	1.88	48
1JSHY-16-14	HY14-16OFT	1 7/16 x12	-16	7/8	-14	3.44	87	1 3/8	1 5/8	1.97	50
1JSHY-16-16	HY16-16OFT	1 7/16x12	-16	1	-16	3.59	91	1 3/8	1 5/8	1.97	50
1JSHY-20-16	HY16-20OFT	1 11/16x12	-20	1	-16	3.47	88	1 5/8	1 7/8	2.31	59

1J7HY (HY-OF45T) Female Seal-Lok® Swivel - 45° Elbow



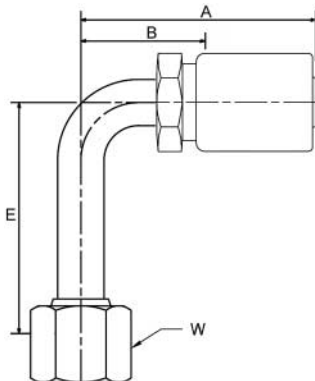
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W		B	
		inch		inch		inch	mm	inch	mm	inch	mm	inch	mm
1J7HY-4-4	HY04-04OF45T	9/16x18	-4	1/4	-4	3.22	82	.40	10	11/16	1.88	48	
1J7HY-6-4	HY04-06OF45T	11/16x16	-6	1/4	-4	3.31	84	.44	11	13/16	1.97	50	
1J7HY-6-6	HY06-06OF45T	11/16x16	-6	3/8	-6	3.23	82	.44	11	13/16	1.88	48	
1J7HY-6-8	HY08-06OF45T	11/16x16	-6	1/2	-8	3.41	87	.44	11	13/16	2.06	52	
1J7HY-8-6	HY06-08OF45T	13/16x16	-8	3/8	-6	3.37	86	.56	14	15/16	2.03	52	
1J7HY-8-8	HY08-08OF45T	13/16x16	-8	1/2	-8	3.34	85	.56	14	15/16	2.00	51	
1J7HY-10-8	HY08-10OF45T	1x14	-10	1/2	-8	3.58	91	.69	18	1 1/8	2.22	56	
1J7HY-10-10	HY10-10OF45T	1x14	-10	5/8	-10	3.59	91	.69	18	1 1/8	2.22	56	
1J7HY-10-12	HY12-10OF45T	1x14	-10	3/4	-12	3.69	94	.69	18	1 1/8	2.13	54	
1J7HY-12-10	HY10-12OF45T	1 3/16x12	-12	5/8	-10	4.11	104	.83	21	1 3/8	2.72	69	
1J7HY-12-12	HY12-12OF45T	1 3/16x12	-12	3/4	-12	4.00	102	.83	21	1 3/8	2.44	62	
1J7HY-16-12	HY12-16OF45T	1 7/16x12	-16	3/4	-12	4.39	112	.97	25	1 5/8	2.84	72	
1J7HY-16-14	HY14-16OF45T	1 7/16x12	-16	7/8	-14	4.39	112	.97	25	1 5/8	2.91	74	
1J7HY-16-16	HY16-16OF45T	1 7/16x12	-16	1	-16	4.55	116	.97	25	1 5/8	2.94	75	
1J7HY-20-16	HY16-20OF45T	1 11/16x12	-20	1	-16	4.77	121	1.00	25	1 7/8	3.16	80	

1J9HY (HY-OF90T) Female Seal-Lok® Swivel - 90° Elbow - Short Drop



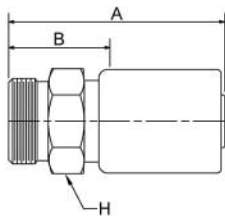
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W		B	
		inch		inch		inch	mm	inch	mm	inch	mm	inch	mm
1J9HY-4-4	HY04-04OF90T	9/16x18	-4	1/4	-4	3.06	78	.83	21	11/16	1.72	44	
1J9HY-4-6	HY06-04OF90T	9/16x18	-4	3/8	-6	3.08	78	.83	21	11/16	1.72	44	
1J9HY-6-4	HY04-06OF90T	11/16x16	-6	1/4	-4	3.20	81	.95	24	13/16	1.84	47	
1J9HY-6-6	HY06-06OF90T	11/16x16	-6	3/8	-6	3.13	80	.95	24	13/16	1.72	44	
1J9HY-6-8	HY08-06OF90T	11/16x16	-6	1/2	-8	3.30	84	.95	24	13/16	1.94	49	
1J9HY-8-6	HY06-08OF90T	13/16x16	-8	3/8	-6	3.19	81	1.16	29	15/16	1.84	47	
1J9HY-8-8	HY08-08OF90T	13/16x16	-8	1/2	-8	3.16	80	1.16	29	15/16	1.81	46	
1J9HY-10-8	HY08-10OF90T	1x14	-10	1/2	-8	3.47	88	1.33	34	1 1/8	2.13	54	
1J9HY-10-10	HY10-10OF90T	1x14	-10	5/8	-10	3.42	87	1.33	34	1 1/8	2.03	52	
1J9HY-12-10	HY10-12OF90T	1 3/16x12	-12	5/8	-10	3.91	99	1.91	49	1 3/8	2.53	64	
1J9HY-12-12	HY12-12OF90T	1 3/16x12	-12	3/4	-12	3.92	100	1.91	49	1 3/8	2.34	59	
1J9HY-16-12	HY12-16OF90T	1 7/16x12	-16	3/4	-12	4.27	108	2.25	57	1 5/8	2.69	68	
1J9HY-16-16	HY16-16OF90T	1 7/16x12	-16	1	-16	4.45	113	2.25	57	1 5/8	2.84	72	

1J1HY (HY-OF90TL) Female Seal-Lok® Swivel - 90° Elbow - Long Drop



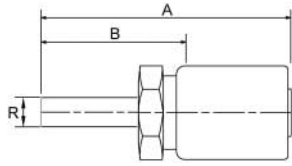
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		E		W		B	
		inch	inch	inch	mm	inch	mm	inch	mm	inch	mm		
1J1HY-4-4	HY04-04OF90TL	9/16x18	-4	1/4	-4	3.06	78	1.80	46	11/16	1.72	44	
1J1HY-6-6	HY06-06OF90TL	11/16x16	-6	3/8	-6	3.13	80	2.13	54	13/16	1.72	44	
1J1HY-8-6	HY06-08OF90TL	13/16x16	-8	3/8	-6	3.05	77	2.50	64	15/16	1.69	43	
1J1HY-8-8	HY08-08OF90TL	13/16x16	-8	1/2	-8	3.16	80	2.50	64	15/16	1.81	46	
1J1HY-10-8	HY08-10OF90TL	1x14	-10	1/2	-8	3.41	87	2.77	70	1-1/8	1.81	46	
1J1HY-10-10	HY10-10OF90TL	1x14	-10	5/8	-10	3.42	87	2.77	70	1-1/8	2.03	52	
1J1HY-12-10	HY10-12OF90TL	1-3/16x12	-12	5/8	-10	3.91	99	3.83	97	1-3/8	2.51	64	
1J1HY-12-12	HY12-12OF90TL	1-3/16x12	-12	3/4	-12	3.95	100	3.83	97	1-3/8	2.38	60	
1J1HY-16-16	HY16-16OF90TL	1-7/16x12	-16	1	-16	4.45	113	4.50	114	1-5/8	2.84	72	

1D0HY (HY-MZ) Male Metric L Rigid - Straight (24° Cone)



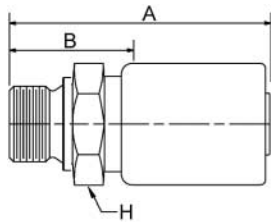
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	B		
		mm	mm	inch	inch	inch	mm	mm	inch	mm	
1D0HY-6-4	HY04-06MZ12A	6	M12x1.5	-6	1/4	-4	2.36	60	14	1.00	25
1D0HY-8-4	HY04-08MZ14A	8	M14x1.5	-8	1/4	-4	2.36	60	17	1.00	25
1D0HY-10-4	HY04-10MZ16A	10	M16x1.5	-10	1/4	-4	2.40	61	19	1.03	26
1D0HY-10-5	HY05-10MZ16A	10	M16x1.5	-10	5/16	-5	2.43	62	19	1.06	27
1D0HY-12-5	HY05-12MZ18A	12	M18x1.5	-12	5/16	-5	2.43	62	22	1.06	27
1D0HY-10-6	HY06-10MZ16A	10	M16x1.5	-10	3/8	-6	2.42	61	19	1.06	27
1D0HY-12-6	HY06-12MZ18A	12	M18x1.5	-12	3/8	-6	2.42	61	22	1.06	27
1D0HY-15-6	HY06-15MZ22A	15	M22x1.5	-15	3/8	-6	2.52	64	24	1.16	29
1D0HY-15-8	HY08-15MZ22A	15	M22x1.5	-15	1/2	-8	2.63	67	24	1.28	33
1D0HY-18-10	HY10-18MZ26A	18	M26x1.5	-18	5/8	-10	2.71	69	27	1.31	33
1D0HY-22-12	HY12-22MZ30B	22	M30x2.0	-22	3/4	-12	2.88	73	32	1.31	33
1D0HY-28-16	HY16-28MZ36B	28	M36x2.0	-28	1	-16	3.04	77	41	1.41	36

13DHY (HY-RZT) Male Standpipe Metric S - Rigid - Straight



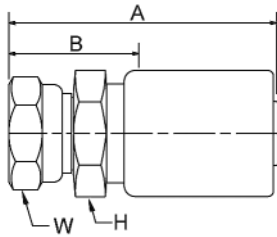
# Parker Part Number	# Dayco Part Number	R		Hose		A		B	
		mm	mm	inch	inch	inch	mm	inch	mm
13DHY-10-5	HY05-10RZLST	10	-10	5/16	-5	3.20	81	1.84	47
13DHY-14-6	HY06-14RZST	14	-14	3/8	-6	3.30	84	1.94	49
13DHY-16-8	HY08-16RZST	16	-16	1/2	-8	3.53	90	2.16	55
13DHY-20-10	HY10-20RZST	20	-20	5/8	-10	3.62	92	2.22	56
13DHY-25-12	HY12-25RZST	25	-25	3/4	-12	3.79	96	2.22	56
13DHY-30-16	HY16-30RZST	30	-30	1	-16	4.15	105	2.53	64

1D9HY (HY-BP) Male BSP Parallel Pipe - Rigid - Straight (60° Cone)



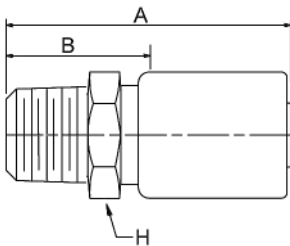
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	B	
		mm	mm	inch	inch	inch	mm	mm	inch	mm
1D9HY-4-4	HY04-04BP	1/4x19	-4	1/4	-4	2.40	61	13/16	1.03	26
1D9HY-6-4	HY04-06BP	3/8x19	-6	1/4	-4	2.54	65	7/8	1.19	30
1D9HY-6-5	HY05-06BP	3/8x19	-6	5/16	-5	2.57	65	7/8	1.28	33
1D9HY-6-6	HY06-06BP	3/8x19	-6	3/8	-6	2.55	65	7/8	1.19	30
1D9HY-6-8	HY08-06BP	3/8x19	-6	1/2	-8	2.73	69	7/8	1.38	35
1D9HY-8-4	HY04-08BP	1/2x14	-8	1/4	-4	2.64	67	1 1/16	1.28	33
1D9HY-8-6	HY06-08BP	1/2x14	-8	3/8	-6	2.65	67	1 1/16	1.28	33
1D9HY-8-8	HY08-08BP	1/2x14	-8	1/2	-8	2.83	72	1 1/16	1.47	37
1D9HY-10-10	HY10-10BP	5/8x14	-10	5/8	-10	2.98	76	1 1/8	1.59	40
1D9HY-12-10	HY10-12BP	3/4x14	-12	5/8	-10	2.98	76	1 5/16	1.59	40
1D9HY-12-12	HY12-12BP	3/4x14	-12	3/4	-12	3.09	78	1 5/16	1.50	38
1D9HY-16-16	HY16-16BP	1x11	-16	1	-16	3.31	84	1 9/16	1.69	43

1GUHY (HY-BPF) Female BSP Parallel Pipe - Swivel - Straight (60° Flare)



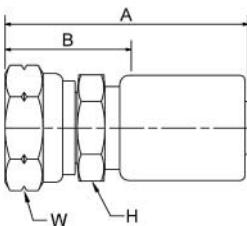
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	W	B	
		inch		inch		inch	mm	mm	mm	inch	mm
1GUHY-2-4	HY04-02BPF	1/8x28	-2	1/4	-4	2.51	64	9/16	9/16	1.16	29
1GUHY-4-4	HY04-04BPF	1/4x19	-4	1/4	-4	2.62	67	9/16	11/16	1.28	33
1GUHY-4-6	HY06-04BPF	1/4x19	-4	3/8	-6	2.64	67	3/4	11/16	1.28	33
1GUHY-6-4	HY04-06BPF	3/8x19	-6	1/4	-4	2.69	68	3/4	7/8	1.34	34
1GUHY-6-5	HY05-06BPF	3/8x19	-6	5/16	-5	2.72	69	5/8	7/8	1.38	35
1GUHY-6-6	HY06-06BPF	3/8x19	-6	3/8	-6	2.70	69	3/4	7/8	1.34	34
1GUHY-6-8	HY08-06BPF	3/8x19	-6	1/2	-8	2.94	75	7/8	7/8	1.59	40
1GUHY-8-6	HY06-08BPF	1/2x14	-8	3/8	-6	2.84	72	7/8	1	1.50	38
1GUHY-8-8	HY08-08BPF	1/2x14	-8	1/2	-8	3.02	77	7/8	1	1.66	42
1GUHY-8-10	HY10-08BPF	1/2x14	-8	5/8	-10	3.03	77	1 1/16	1	1.66	42
1GUHY-10-8	HY08-10BPF	5/8x14	-10	1/2	-8	3.08	78	1	1 1/8	1.72	44
1GUHY-10-10	HY10-10BPF	5/8x14	-10	5/8	-10	3.09	78	1 1/16	1 1/8	1.72	44
1GUHY-12-10	HY10-12BPF	3/4x14	-12	5/8	-10	3.16	80	1 1/8	1 1/4	1.78	45
1GUHY-12-12	HY12-12BPF	3/4x14	-12	3/4	-12	3.25	83	1 1/4	1 1/4	1.69	43
1GUHY-16-12	HY12-16BPF	1x11	-16	3/4	-12	3.30	84	1 3/8	1 1/2	1.72	44
1GUHY-16-16	HY16-16BPF	1x11	-16	1	-16	3.45	88	1 3/8	1 1/2	1.84	47

1UTHY (HY-BT) Male BSP Taper Pipe Rigid - Straight



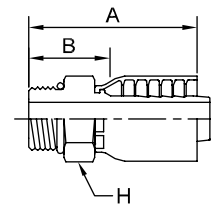
# Parker Part Number	# Dayco Part Number	Thread		Hose		A		H	B	
		mm		inch		inch	mm	mm	inch	mm
1UTHY-4-4	HY04-04BT	1/4x19	-4	1/4	-4	2.53	64	9/16	1.19	30
1UTHY-6-4	HY04-06BT	3/8x19	-6	1/4	-4	2.53	64	11/16	1.19	30
1UTHY-6-6	HY06-06BT	3/8x19	-6	3/8	-6	2.55	65	11/16	1.19	30
1UTHY-8-6	HY06-08BT	1/2x14	-8	3/8	-6	2.73	69	7/8	1.38	35
1UTHY-8-8	HY08-08BT	1/2x14	-8	1/2	-8	2.91	74	7/8	1.56	40
1UTHY-12-12	HY12-12BT	3/4x14	-12	3/4	-12	3.08	78	1 1/4	1.50	38
1UTHY-16-16	HY16-16BT	1x11	-16	1	-16	3.42	87	1 3/8	1.82	46

1XUHY (HY-KMF) Female Metric Swivel - Straight (30° Flare)



# Parker Part Number	# Dayco Part Number	Thread			Hose		A		H	W	B	
		mm			inch		inch	mm	mm	mm	inch	mm
1XUHY-14-4	HY04-14KMF	14	M14x1.5	-14	1/4	-4	2.75	70	14	19	1.38	35
1XUHY-18-6	HY06-18KMF	18	M18x1.5	-18	3/8	-6	2.81	71	19	22	1.44	37
1XUHY-22-8	HY08-22KMF	22	M22x1.5	-22	1/2	-8	3.08	78	22	27	1.72	44
1XUHY-24-8	HY08-24KMF	24	M24x1.5	-24	1/2	-8	3.14	80	22	30	1.72	44
1XUHY-24-10	HY10-24KMF	24	M24x1.5	-24	5/8	10	3.22	82	30	30	1.84	47
1XUHY-30-12	HY12-30KMF	30	M30x1.5	-30	3/4	-12	3.31	84	32	38	1.75	44
1XUHY-33-16	HY16-33KMF	33	M33x1.5	-33	1	-16	3.62	92	36	41	2.00	51

10543 Male SAE Straight Thread with O-Ring Rigid - Straight



Note: O-Ring not compatible with Phosphate Ester Fluids.
 Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

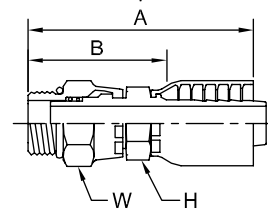
# Part Number	Thread			Hose		A		H	B	
	inch			inch		inch	mm	inch	inch	mm
10543-4-4	1/4	7/16x20	-4	1/4	-4	1.65	42	9/16	0.90	23
10543-6-4	3/8	9/16x18	-6	1/4	-4	1.68	43	11/16	0.93	24
10543-6-6	3/8	9/16x18	-6	3/8	-6	2.08	53	11/16	1.08	27
10543-6-8	3/8	9/16x18	-6	1/2	-8	2.32	59	13/16	1.07	27
10543-8-6	1/2	3/4x16	-8	3/8	-6	2.09	53	7/8	1.09	28
10543-8-8	1/2	3/4x16	-8	1/2	-8	2.45	62	7/8	1.20	30
10543-10-8	5/8	7/8x14	-10	1/2	-8	2.35	60	1	1.10	28
10543-12-8	3/4	1-1/16x12	-12	1/2	-8	2.61	66	1-1/4	1.36	35
10543-12-12	3/4	1-1/16x12	-12	3/4	-12	2.79	71	1-1/4	1.36	35
10543-16-12	1	1-5/16x12	-16	3/4	-12	2.79	71	1-1/2	1.36	35
10543-16-16	1	1-5/16x12	-16	1	-16	3.35	85	1-1/2	1.76	45

+ Non-standard

10G43 Male SAE Straight Thread with O-Ring Swivel under Pressure - Straight

Note: The fitting allows minor movements under pressure to relieve stress on hose. It is not to be used for continuous or extensive swiveling.

Note: O-Ring not compatible with Phosphate Ester Fluids.



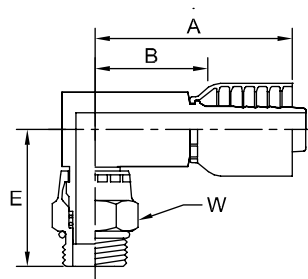
# Part Number	Thread			Hose		A		H	W	B	
	inch			inch		inch	mm	inch	inch	inch	mm
10G43-6-6	3/8	9/16x18	-6	3/8	-6	3.14	80	-	3/4	2.14	54
10G43-8-6	1/2	3/4x16	-8	3/8	-6	3.06	78	11/16	7/8	2.06	52
10G43-8-8	1/2	3/4x16	-8	1/2	-8	3.19	81	-	7/8	1.94	49
10G43-10-8	5/8	7/8x14	-10	1/2	-8	3.31	84	-	1	2.06	52
10G43-12-12	3/4	1-1/16x12	-12	3/4	-12	3.62	92	1-1/16	1-1/4	2.19	56

10L43 Male SAE Straight Thread with O-Ring Swivel under Pressure - 90° Elbow

Note: The fitting allows minor movements under pressure to relieve stress on hose. It is not to be used for continuous or extensive swiveling.

Note: O-Ring not compatible with Phosphate Ester Fluids.

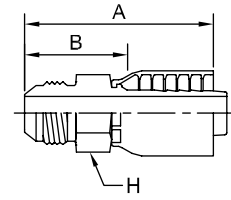
Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.



# Part Number	Thread			Hose		A		E		W	B	
	inch			inch		inch	mm	inch	mm	inch	inch	mm
10L43-6-6	3/8	9/16x18	-6	3/8	-6	2.51	64	2.08	53	3/4	1.50	38
10L43-8-6	1/2	3/4x16	-8	3/8	-6	2.64	67	1.86	47	7/8	1.64	42
10L43-8-8	1/2	3/4x16	-8	1/2	-8	2.96	75	1.86	47	7/8	1.71	43
10L43-10-8	5/8	7/8x14	-10	1/2	-8	2.96	75	1.92	49	1	1.71	43
10L43-12-12	3/4	1-1/16x12	-12	3/4	-12	3.15	80	2.46	62	1-1/4	1.87	47

+ Non-standard

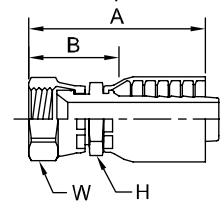
10343 Male JIC 37° - Rigid Straight



Note: Must use Parkrimp 2 or Superkrimp and Die Part No. 83C-A20H.
 Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

# Part Number	Thread			Hose		A		H	B	
	inch	inch	inch	inch	inch	inch	mm	inch	inch	mm
10343-4-4	1/4	7/16x20	-4	1/4	-4	2.00	51	9/16	1.25	32
10343-6-4	3/8	9/16x18	-6	1/4	-4	1.85	47	11/16	1.10	28
10343-6-6	3/8	9/16x18	-6	3/8	-6	2.38	60	3/4	1.38	35
10343-8-6	1/2	3/4x16	-8	3/8	-6	2.28	58	7/8	1.28	33
10343-8-8	1/2	3/4x16	-8	1/2	-8	2.68	68	7/8	1.43	36
10343-10-6	5/8	7/8x14	-10	3/8	-6	2.38	60	15/16	1.38	35
10343-10-8	5/8	7/8x14	-10	1/2	-8	2.62	67	15/16	1.37	35
10343-12-8	3/4	1-1/16x12	-12	1/2	-8	2.76	70	1-1/8	1.51	38
10343-12-12	3/4	1-1/16x12	-12	3/4	-12	3.17	81	1-1/8	1.75	44
10343-16-12	1	1-5/16x12	-16	3/4	-12	3.02	77	1-3/8	1.59	40
10343-16-16	1	1-5/16x12	-16	1	-16	3.63	92	1-3/8	1.74	44

10643 Female JIC 37° - Swivel Straight



Note: These 10643 fittings contain a dual seat that accepts both the JIC (37 deg.) and SAE (45 deg.) male configurations. The -6 and -12 SAE 45 deg. swivel fittings are shown under part number 10843.
 Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

# Part Number	Thread			Hose		A		H	W	B	
	inch	inch	inch	inch	inch	inch	mm	inch	inch	inch	mm
10643-4-4	1/4	7/16x20	-4	1/4	-4	1.94	49	9/16	9/16	1.19	30
10643-6-4	3/8	9/16x18	-6	1/4	-4	2.05	52	9/16	11/16	1.30	33
10643-6-6	3/8	9/16x18	-6	3/8	-6	2.29	58	11/16	11/16	1.26	32
10643-8-6	1/2	3/4x16	-8	3/8	-6	2.49	63	11/16	7/8	1.46	37
10643-8-8	1/2	3/4x16	-8	1/2	-8	2.63	67	13/16	7/8	1.37	35
10643-10-6	5/8	7/8x14	-10	3/8	-6	2.51	64	7/8	1	1.48	38
10643-10-8	5/8	7/8x14	-10	1/2	-8	2.85	72	7/8	1	1.59	40
10643-12-8	3/4	1-1/16x12	-12	1/2	-8	2.78	71	1-1/16	1-1/4	1.52	39
10643-12-12	3/4	1-1/16x12	-12	3/4	-12	3.17	81	1-1/16	1-1/4	1.73	44
10643-16-12	1	1-5/16x12	-16	3/4	-12	3.31	84	1-1/4	1-1/2	1.87	47
10643-16-16	1	1-5/16x12	-16	1	-16	3.62	92	1-3/8	1-1/2	2.00	51

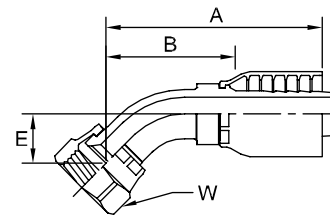
+ Non-standard

HOSE
HOSE FITTINGS
CRIMPING EQUIPMENT
SPECIALTY HOSE
TUBE FITTINGS
SWIVELS

13743 Female JIC 37° - Swivel 45° Elbow - Short Drop

Note: These 13743 fittings contain a dual seat that accepts both the JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

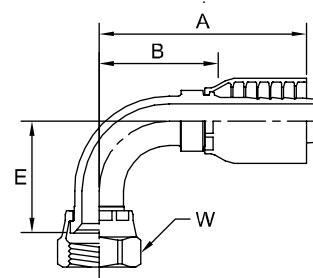


# Part Number	Thread			Hose		A		E		W	B	
	inch			inch		inch	mm	inch	mm	inch	inch	mm
13743-4-4~	1/4	7/16x20	-4	1/4	-4	1.96	50	0.39	10	9/16	1.21	31
13743-6-4	3/8	9/16x18	-6	1/4	-4	2.23	57	0.39	10	11/16	1.48	38
13743-6-6	3/8	9/16x18	-6	3/8	-6	2.39	61	0.39	10	11/16	1.39	35
13743-8-6~	1/2	3/4x16	-8	3/8	-6	2.74	70	0.55	14	7/8	1.74	44
13743-8-8~	1/2	3/4x16	-8	1/2	-8	2.88	73	0.55	14	7/8	1.63	41
13743-10-8~	5/8	7/8x14	-10	1/2	-8	2.97	75	0.63	16	1	1.71	43
13743-12-10	3/4	1-1/16x12	-12	5/8	-10	3.62	92	0.83	21	1-1/4	2.08	53
13743-12-12	3/4	1-1/16x12	-12	3/4	-12	3.57	91	0.78	20	1-1/4	2.14	54
13743-16-16	1	1-5/16x12	-16	1	-16	4.08	104	0.90	23	1-1/2	2.49	63

13943 Female JIC 37° - Swivel 90° Elbow - Short Drop

Note: These 13943 fittings contain a dual seat that accepts both the JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

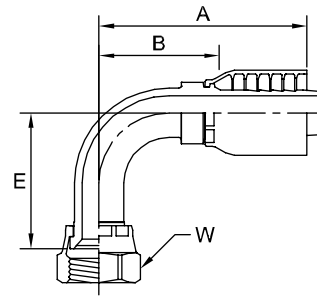


# Part Number	Thread			Hose		A		E		W	B	
	inch			inch		inch	mm	inch	mm	inch	inch	mm
13943-4-4~	1/4	7/16x20	-4	1/4	-4	1.79	45	0.83	21	9/16	1.04	26
13943-6-4	3/8	9/16x18	-6	1/4	-4	2.13	54	0.85	22	11/16	1.38	35
13943-6-6	3/8	9/16x18	-6	3/8	-6	2.28	58	0.85	22	11/16	1.28	33
13943-6-8	3/8	9/16x18	-6	1/2	-8	2.52	64	0.85	22	11/16	1.27	32
13943-8-6~	1/2	3/4x16	-8	3/8	-6	2.50	64	1.09	28	7/8	1.50	38
13943-8-8~	1/2	3/4x16	-8	1/2	-8	2.65	67	1.09	28	7/8	1.40	36
13943-12-8	3/4	1-1/16x12	-12	1/2	-8	3.17	81	1.81	46	1-1/4	1.92	49
13943-12-12	3/4	1-1/16x12	-12	3/4	-12	3.51	89	1.81	46	1-1/4	2.07	53
13943-16-16	1	1-5/16x12	-16	1	-16	4.05	103	2.14	54	1-1/2	2.46	62

+ Non-standard

1L943 Female JIC 37° - Swivel 90° Elbow - Medium Drop

Note: These 1L943 fittings contain a dual seat that accepts both the JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

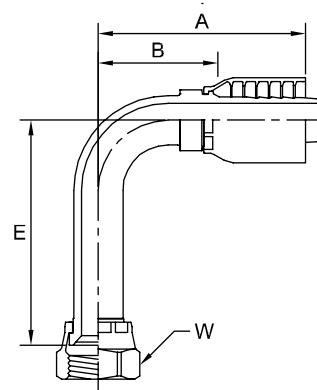


# Part Number	Thread			Hose		A		E		W	B	
	inch	inch		inch	inch	inch	mm	inch	mm	inch	inch	mm
1L943-4-4~	1/4	7/16x20	-4	1/4	-4	1.85	47	1.26	32	9/16	1.10	28
1L943-6-6	3/8	9/16x18	-6	3/8	-6	2.28	58	1.12	28	11/16	1.28	33
1L943-8-8~	1/2	3/4x16	-8	1/2	-8	2.65	67	1.38	35	7/8	1.40	36

14143 Female JIC 37° - Swivel 90° Elbow - Long Drop

Note: These 14143 fittings contain a dual seat that accepts both the JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

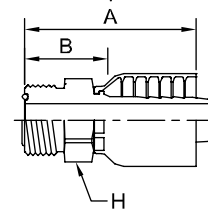


# Part Number	Thread			Hose		A		E		W	B	
	inch	inch		inch	inch	inch	mm	inch	mm	inch	inch	mm
14143-4-4~	1/4	7/16x20	-4	1/4	-4	1.96	50	1.81	46	9/16	1.21	31
14143-6-4+	3/8	9/16x18	-6	1/4	-4	2.12	54	2.18	55	11/16	1.37	35
14143-6-6	3/8	9/16x18	-6	3/8	-6	2.27	58	2.18	55	11/16	1.27	32
14143-8-6~	1/2	3/4x16	-8	3/8	-6	2.56	65	2.43	62	7/8	1.56	40
14143-8-8~	1/2	3/4x16	-8	1/2	-8	2.72	69	2.43	62	7/8	1.47	37
14143-10-8~	5/8	7/8x14	-10	1/2	-8	2.78	71	2.76	70	1	1.52	39
14143-12-12	3/4	1-1/16x12	-12	3/4	-12	3.38	86	3.74	95	1-1/4	1.95	50
14143-16-16	1	1-5/16x12	-16	1	-16	3.90	99	4.32	110	1-1/2	2.31	59

+ Non-standard

1J043 Male Seal-Lok® - Rigid Straight (with O-Ring)

Note: Part Number 1J043 is 1JM43 boxed with Nitrile O-Ring

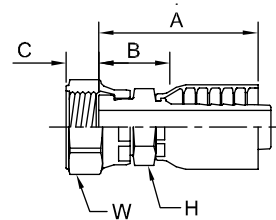


# Part Number	Thread			Hose		A		H		B	
	inch			inch		inch	mm	inch	inch	mm	
	inch	mm	Length	inch	mm						
1J043-4-4	1/4	9/16x18	-4	1/4	-4	1.71	43	5/8	0.99	25	
1J043-6-6	3/8	11/16x16	-6	3/8	-6	2.06	52	3/4	1.06	27	
1J043-8-8	1/2	13/16x16	-8	1/2	-8	2.42	61	7/8	1.17	30	
1J043-12-12	3/4	1-3/16x12	-12	3/4	-12	2.88	73	1-1/4	1.45	37	
1J043-16-16	1	1-7/16x12	-16	1	-16	3.26	83	1-1/2	1.67	42	

1JC43 Female Seal-Lok® - Swivel Straight - Short

Note: When measuring overall length to the end of the nut, B & C must be used to calculate cut-off allowance.

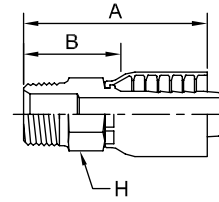
Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.



# Part Number	Thread			Hose		A		C		H	W	B	
	inch			inch		inch	mm	inch	mm	inch	inch	inch	mm
	inch	mm	Length	inch	mm								
1JC43-4-4	1/4	9/16x18	-4	1/4	-4	1.63	41	0.32	8	9/16	11/16	0.89	23
1JC43-6-4	3/8	11/16x16	-6	1/4	-4	1.65	42	0.32	8	11/16	13/16	0.92	23
1JC43-6-6	3/8	11/16x16	-6	3/8	-6	1.94	49	0.38	10	11/16	13/16	0.91	23
1JC43-8-6	1/2	13/16x16	-8	3/8	-6	1.98	50	0.38	10	13/16	15/16	0.98	25
1JC43-8-8	1/2	13/16x16	-8	1/2	-8	2.22	56	0.43	11	13/16	15/16	0.96	24
1JC43-10-8	5/8	1x14	-10	1/2	-8	2.30	58	0.43	11	15/16	1-1/8	1.05	27
1JC43-12-8	3/4	1-3/16x12	-12	1/2	-8	2.48	63	0.55	14	1-1/8	1-3/8	1.22	31
1JC43-12-12	3/4	1-3/16x12	-12	3/4	-12	2.68	68	0.57	14	1-1/8	1-3/8	1.24	31
1JC43-16-12	1	1-7/16x12	-16	3/4	-12	2.81	71	0.58	15	1-3/8	1-5/8	1.38	35
1JC43-16-16	1	1-7/16x12	-16	1	-16	3.14	80	0.58	15	1-3/8	1-5/8	1.52	39

+ Non-standard

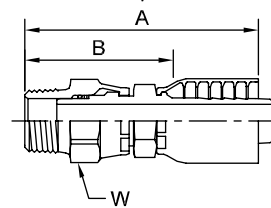
10143 Male NPTF Pipe - Rigid Straight



Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

# Part Number	Thread		Hose		A		H	B	
	inch		inch		inch	mm	inch	inch	mm
10143-4-4	1/4x18	-4	1/4	-4	2.02	51	9/16	1.27	32
10143-4-6	1/4x18	-4	3/8	-6	2.26	57	3/4	1.25	32
10143-6-4	3/8x18	-6	1/4	-4	1.87	47	11/16	1.12	28
10143-6-6	3/8x18	-6	3/8	-6	2.26	57	3/4	1.25	32
10143-6-8	3/8x18	-6	1/2	-8	2.37	60	7/8	1.37	35
10143-6-10	3/8x18	-6	5/8	-10	2.59	66	15/16	1.18	30
10143-8-4	1/2x14	-8	1/4	-4	2.14	54	7/8	1.39	35
10143-8-6	1/2x14	-8	3/8	-6	2.37	60	7/8	1.37	35
10143-8-8	1/2x14	-8	1/2	-8	2.63	67	7/8	1.38	35
10143-8-10	1/2x14	-8	5/8	-10	2.59	66	15/16	1.18	30
10143-8-12	1/2x14	-8	3/4	-12	2.85	72	1-1/16	1.44	37
10143-12-10	3/4x14	-12	5/8	-10	3.01	76	15/16	1.60	41
10143-12-12	3/4x14	-12	3/4	-12	3.08	78	1-1/16	1.65	42
10143-12-16	3/4x14	-12	1	-16	3.38	86	1-3/8	1.79	45
10143-16-12	1x11-1/2	-16	3/4	-12	3.08	78	1-3/8	1.65	42
10143-16-16	1x11-1/2	-16	1	-16	3.62	92	1-3/8	2.03	52
10143-20-20	1-1/4x11-1/2	-20	1-1/4	-20	4.04	103	1-3/4	2.39	61

11343 Male NPTF Pipe - Swivel Straight



Note: The fitting allows minor movements under pressure to relieve stress on hose. It is **not** to be used for continuous or extensive swiveling.

Note: O-Ring not compatible with Phosphate Ester Fluids.

Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

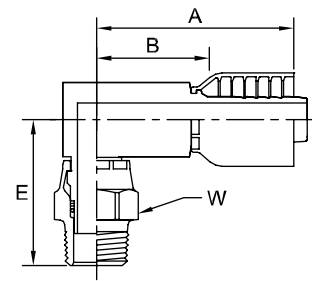
# Part Number	Thread		Hose		A		W	B	
	inch		inch		inch	mm	inch	inch	mm
11343-4-4	1/4x18	-4	1/4	-4	2.68	68	5/8	1.93	49
11343-4-6	1/4x18	-4	3/8	-6	2.98	76	5/8	1.98	50
11343-6-4	3/8x18	-6	1/4	-4	2.93	74	3/4	2.18	55
11343-6-6	3/8x18	-6	3/8	-6	3.03	77	3/4	2.03	52
11343-6-8	3/8x18	-6	1/2	-8	3.30	84	3/4	2.04	52
11343-8-6	1/2x14	-8	3/8	-6	3.35	85	7/8	2.35	60
11343-8-8	1/2x14	-8	1/2	-8	3.50	89	7/8	2.25	57
11343-12-12	3/4x14	-12	3/4	-12	3.91	99	1-1/4	2.50	63
11343-16-16	1x11-1/2	-16	1	-16	4.50	114	1-1/2	2.90	74

11L43 Male NPTF Pipe - Swivel under Pressure - 90° Elbow

Note: The fitting allows minor movements under pressure to relieve stress on hose. It is **not** to be used for continuous or extensive swiveling.

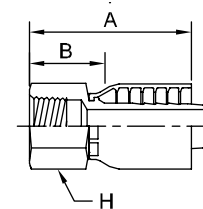
Note: O-Ring not compatible with Phosphate Ester Fluids.

Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.



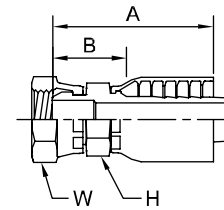
# Part Number	Thread		Hose		A		E		W	B	
	inch		inch		inch	mm	inch	mm	inch	inch	mm
11L43-4-4	1/4x18	-4	1/4	-4	2.24	57	1.80	46	5/8	1.49	38
11L43-6-6	3/8x18	-6	3/8	-6	2.51	64	1.91	49	3/4	1.51	38
11L43-8-6	1/2x14	-8	3/8	-6	2.63	67	2.16	55	7/8	1.63	41
11L43-8-8	1/2x14	-8	1/2	-8	2.96	75	2.16	55	7/8	1.71	43
11L43-12-12	3/4x14	-12	3/4	-12	3.88	99	2.45	62	1-1/4	2.36	60

10243 Female NPTF Pipe - Rigid Straight



# Part Number	Thread		Hose		A		H	B	
	inch		inch		inch	mm	inch	inch	mm
10243-4-4	1/4x18	-4	1/4	-4	1.79	45	11/16	1.04	26
10243-6-6	3/8x18	-6	3/8	-6	2.30	58	7/8	1.30	33
10243-8-8	1/2x14	-8	1/2	-8	2.62	67	1-1/8	1.37	35
10243-12-12	3/4x14	-12	3/4	-12	2.70	69	1-1/4	1.27	32

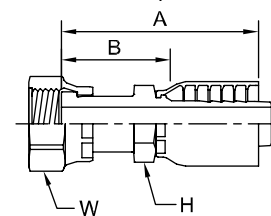
10743 Female NPSM Pipe - Swivel Straight (60° Cone)



Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

# Part Number	Thread		Hose		A		H	W	B	
	inch		inch		inch	mm	inch	inch	inch	mm
10743-4-4	1/4x18	-4	1/4	-4	1.74	44	9/16	11/16	0.99	25
10743-6-6	3/8x18	-6	3/8	-6	2.27	58	11/16	7/8	1.27	32
10743-8-8	1/2x14	-8	1/2	-8	2.60	66	15/16	1	1.35	34
10743-12-12	3/4x14	-12	3/4	-12	3.03	77	1-1/16	1-1/4	1.60	41
10743-16-16	1x11-1/2	-16	1	-16	3.44	87	1-3/8	1-1/2	1.85	47

1JS43 Female Seal-Lok® - Swivel Straight - Long

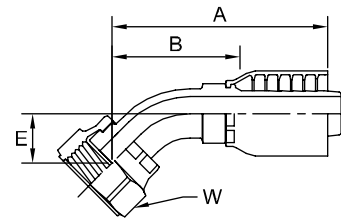


Note: Must use Parkrimp 2 or Superkrimp and Die Part No. 83C-A20H.
 Note: "C" - Stainless Steel Fitting. Must be crimped with Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.

# Part Number	Thread			Hose		A		H	W	B	
	inch			inch		inch	mm	inch	inch	inch	mm
1JS43-4-4	1/4	9/16x18	-4	1/4	-4	2.08	53	9/16	11/16	1.33	34
1JS43-6-4	3/8	11/16x16	-6	1/4	-4	2.15	55	9/16	13/16	1.40	36
1JS43-6-6	3/8	11/16x16	-6	3/8	-6	2.26	57	11/16	13/16	1.26	32
1JS43-8-4	1/2	13/16x16	-8	1/4	-4	2.27	58	11/16	15/16	1.52	39
1JS43-8-6	1/2	13/16x16	-8	3/8	-6	2.51	64	11/16	15/16	1.51	38
1JS43-8-8	1/2	13/16x16	-8	1/2	-8	2.65	67	13/16	15/16	1.40	36
1JS43-10-8	5/8	1x14	-10	1/2	-8	2.89	73	13/16	1-1/8	1.64	42
1JS43-12-8	3/4	1-3/16x12	-12	1/2	-8	2.89	73	15/16	1-3/8	1.64	42
1JS43-12-12	3/4	1-3/16x12	-12	3/4	-12	3.29	84	1-1/16	1-3/8	1.86	47
1JS43-16-12	1	1-7/16x12	-16	3/4	-12	3.37	86	1-3/8	1-5/8	1.94	49
1JS43-16-16	1	1-7/16x12	-16	1	-16	3.60	91	1-3/8	1-5/8	2.01	51
1JS43-20-20	1-1/4	1-11/16x12	-20	1-1/4	-20	3.77	96	1-3/4	1-7/8	2.08	53

1J743 Female Seal-Lok® - Swivel 45° Elbow

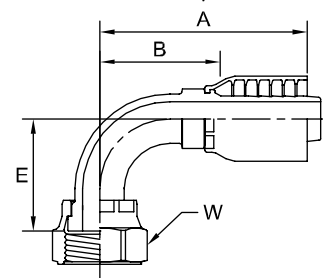
Note: Must use Parkrimp 2 or Superkrimp and Die Part No. 83C-A20H.
Note: "C" - Stainless Steel Fitting. Must be crimped with
Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.



# Part Number	Thread			Hose		A		E		W	B	
	inch	inch	inch	inch	inch	inch	mm	inch	mm	inch	inch	mm
1J743-4-4	1/4	9/16x18	-4	1/4	-4	2.24	57	0.39	10	11/16	1.49	38
1J743-6-4	3/8	11/16x16	-6	1/4	-4	2.30	58	0.43	11	13/16	1.55	39
1J743-6-6	3/8	11/16x16	-6	3/8	-6	2.34	59	0.43	11	13/16	1.31	33
1J743-6-8	3/8	11/16x16	-6	1/2	-8	2.66	68	0.43	11	13/16	1.41	36
1J743-8-6	1/2	13/16x16	-8	3/8	-6	2.61	66	0.59	15	15/16	1.58	40
1J743-8-8	1/2	13/16x16	-8	1/2	-8	2.83	72	0.59	15	15/16	1.57	40
1J743-10-8	5/8	1x14	-10	1/2	-8	2.93	74	0.63	16	1-1/8	1.67	42
1J743-12-8	3/4	1-3/16x12	-12	1/2	-8	3.57	91	0.83	21	1-3/8	2.32	59
1J743-12-12	3/4	1-3/16x12	-12	3/4	-12	3.63	92	0.83	21	1-3/8	2.19	56
1J743-16-12	1	1-7/16x12	-16	3/4	-12	4.02	102	0.94	24	1-5/8	2.59	66
1J743-16-16	1	1-7/16x12	-16	1	-16	4.34	110	0.94	24	1-5/8	2.72	69

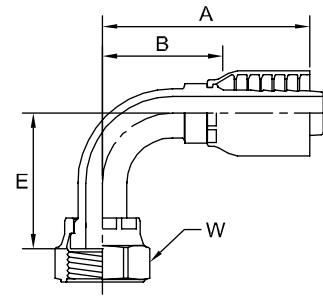
1J943 Female Seal-Lok® - Swivel 90° Elbow - Short Drop

Note: Must use Parkrimp 2 or Superkrimp and Die Part No. 83C-A20H.
Note: "C" - Stainless Steel Fitting. Must be crimped with
Karrykrimp 2, PHastkrimp, Superkrimp, or Parkrimp 2.



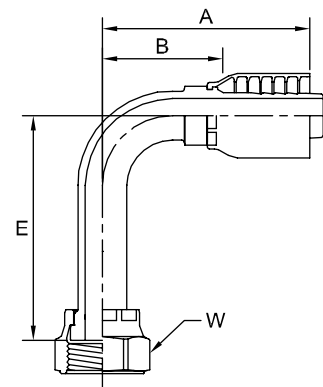
# Part Number	Thread			Hose		A		E		W	B	
	inch	inch	inch	inch	inch	inch	mm	inch	mm	inch	inch	mm
1J943-4-4	1/4	9/16x18	-4	1/4	-4	2.21	56	0.83	21	11/16	1.46	37
1J943-6-4	3/8	11/16x16	-6	1/4	-4	2.18	55	0.91	23	13/16	1.43	36
1J943-8-4	1/2	13/16x16	-8	1/4	-4	2.29	58	1.15	29	15/16	1.54	39
1J943-8-8	1/2	13/16x16	-8	1/2	-8	2.59	66	1.14	29	15/16	1.33	34
1J943-10-8	5/8	1x14	-10	1/2	-8	2.74	70	1.26	32	1-1/8	1.48	38
1J943-12-8	3/4	1-13/16x12	-12	1/2	-8	2.91	74	1.88	48	1-3/8	1.65	42
1J943-12-12	3/4	1-3/16x12	-12	3/4	-12	3.49	89	1.89	48	1-3/8	2.05	52
1J943-16-12	1	1-7/16x12	-16	3/4	-12	4.07	103	2.21	56	1-5/8	2.64	67
1J943-16-16	1	1-7/16x12	-16	1	-16	4.28	109	2.20	56	1-5/8	2.66	68

1J543 Female Seal-Lok® - Swivel 90° Elbow - Medium Drop



# Part Number	Thread			Hose		A		E		W	B	
	inch	inch		inch	inch	inch	mm	inch	mm	inch	inch	mm
1J543-4-4	1/4	9/16x18	-4	1/4	-4	2.26	57	1.26	32	11/16	1.51	38
1J543-6-4	3/8	11/16x16	-6	1/4	-4	2.17	55	1.50	38	13/16	1.42	36
1J543-6-6	3/8	11/16x16	-6	3/8	-6	2.39	61	1.50	38	13/16	1.36	35
1J543-8-6	1/2	13/16x16	-8	3/8	-6	2.45	62	1.61	41	15/16	1.42	36
1J543-8-8	1/2	13/16x16	-8	1/2	-8	2.59	66	1.61	41	15/16	1.33	34
1J543-12-12	3/4	1-3/16x12	-12	3/4	-12	3.49	89	2.28	58	1-3/8	2.05	52

1J143 Female Seal-Lok® - Swivel 90° Elbow - Long Drop



Note: Must use Parkrimp 2 or Superkrimp and Die Part No. 83C-A20H.

# Part Number	Thread			Hose		A		E		W	B	
	inch	inch		inch	inch	inch	mm	inch	mm	inch	inch	mm
1J143-4-4	1/4	9/16x18	-4	1/4	-4	2.02	51	1.81	46	11/16	1.27	32
1J143-6-4	3/8	11/16x16	-6	1/4	-4	2.26	57	2.29	58	13/16	1.51	38
1J143-6-6	3/8	11/16x16	-6	3/8	-6	2.39	61	2.13	54	13/16	1.36	35
1J143-8-6	1/2	13/16x16	-8	3/8	-6	2.45	62	2.52	64	15/16	1.42	36
1J143-8-8	1/2	13/16x16	-8	1/2	-8	2.59	66	2.52	64	15/16	1.33	34
1J143-10-8	5/8	1x14	-10	1/2	-8	2.74	70	2.79	71	1-1/8	1.48	38
1J143-12-12	3/4	1-3/16x12	-12	3/4	-12	3.49	89	3.78	96	1-3/8	2.05	52
1J143-16-16	1	1-7/16x12	-16	1	-16	4.28	109	4.49	114	1-5/8	2.66	68



Crimping Equipment

Pioneer offers different styles of crimping equipment for the market. The Parker crimpers are unique with caged dies for each size and the Parkalign® feature. The Dayco crimper offers the dial in feature for crimping different size hoses. Pioneer also offers additional accessories such as hose cutting equipment and conversion kits.

Parker Crimpers	42
Dayco Crimper	51
Parker Dies for Pioneer Hose	52
Conversion Kits	54
Hose Assembly Equipment	56



MiniKrimp™ — Hand Pump Model

For use with Parker HY and 43 Series Fittings

With its cast aluminum design, the MiniKrimp is lightweight, portable, and compact. This all-in-one unit is capable of crimping Parflex Division hose sizes up to 1".

Note: Dies are sold separately.

Specifications

Approximate Size (with Pump)	6" wide, 13" deep, 15" high
Weight (w/o Die Set)	42 lbs. with hand pump
Rating	30 tons force @ 10,000 psi maximum
Capability (steel & brass) HY and 43 series fittings	- 1" SAE 100R1 maximum - 1" SAE 100R2 maximum - 1" SAE 100R16 maximum
Capability (stainless steel) HY series fittings	- 3/4" SAE 100R1 maximum - 3/4" SAE 100R2 maximum - 3/4" SAE 100R16 maximum
Set Up Time	20 seconds
Full Cycle Time	Approx. 20 seconds to 3 minutes. Note: Cycle times vary depending on hose, fitting, operator, and crimping environment.

Standard Equipment

Model 94C-001-PFD includes:

Part Description	Part Number
MiniKrimp™ Portable Crimping Machine	94C-080-PFD
Hand Pump Only	015301
Die Ring – Color Coded Silver	82C-R01-PFD

Optional Equipment:

Part Description	Part Number
Side Vise Mount	015736
Upright Table Mount	015306
Upright Vise Mount	015307
Die Ring – Color Coded Black	82C-R02-PFD
Hose Assembly	015309

Current hose and fitting combinations, as well as proper crimp dimensions, are available from Parker Parflex Division for Farmex and HTB hose and Parker Hose Products Division for rubber hose. Contact 1-800-C-PARKER for direction on obtaining current literature.



MiniKrimp™ — Air over Hydraulic Model

For use with Parker HY and 43 Series Fittings

With its cast aluminum design, the MiniKrimp™ Air over Hydraulic is lightweight, portable, and compact. This all-in-one unit is capable of crimping Parflex Division hose sizes up to 1".

Note: Dies are sold separately.

Specifications

Approximate Size with Pump:	6" wide, 12" deep, 15" high
Weight	45 lbs. with air/hydraulic pump
Rating	30 tons force @ 10,000 psi maximum
Capability (steel & brass) HY and 43 series fittings	- 1" SAE 100R1 maximum - 1" SAE 100R2 maximum
Capability (stainless steel) HY series fittings	- 3/4" SAE 100R1 maximum - 3/4" SAE 100R2 maximum - 3/4" SAE 100R16 maximum
Set Up Time	20 seconds
Full Cycle Time	Approx. 20 seconds to crimp a 3/8" hose Note: Cycle times vary depending on hose and fitting styles and sizes.

Standard Equipment

Model 94C-002-PFD includes:

Part Description	Part Number
MiniKrimp™ Portable Crimping Machine	94C-080-PFD
Air over Hydraulic Pump Kit (includes tubing and adapters)	025411
Die Ring – Color Coded Silver	82C-R01-PFD

Optional Equipment:

Part Description	Part Number
Side Vise Mount	015736
Upright Table Mount	015306
Upright Vise Mount	015307
Die Ring – Color Coded Black	82C-R02-PFD
Hose Assembly	015309

Current hose and fitting combinations, as well as proper crimp dimensions, are available from Parker Parflex Division for Farmex and HTB hose, and Parker Hose Products Division for rubber hose. Contact 1-800-C-PARKER for direction on obtaining current literature.

ENERPAC Warranty Policy

For those ENERPAC items sold as part of the Parker Parflex Division product offering, the following warranty applies.

ENERPAC products are warranted to be free of defects in materials and workmanship under normal use for as long as they are owned by the original purchaser, subject to the exclusions and limitations described below. This warranty does not cover ordinary wear and tear, overloading, alterations, (including repairs or attempted repairs by parties other than ENERPAC or its authorized service representatives), improper fluid, use in a manner for which they are not intended or use which is contrary to instructions for the products.

THIS WARRANTY IS LIMITED TO NEW PRODUCTS SOLD THROUGH ENERPAC AUTHORIZED DISTRIBUTORS, ORIGINAL EQUIPMENT MANUFACTURERS OR OTHER DESIGNATED CHANNELS OF DISTRIBUTION. NO AGENT, EMPLOYEE, OR OTHER REPRESENTATIVE OF ENERPAC HAS THE AUTHORITY TO IN ANY WAY CHANGE OR AMEND THIS WARRANTY.

Electronic products and components are warranted against defects in material and workmanship for a period of two years from the date of purchase.

The following items supplied with ENERPAC products are excluded from this warranty:

- Components not manufactured by ENERPAC, including air motors, electric motors, gasoline engines, and diesel engines. Such items are warranted to the extent of the warranty provided by the manufacturers of such items.

If the customer believes a product is defective, the product must be delivered, or shipped freight prepaid, to the nearest ENERPAC Authorized Service Center. The customer should contact ENERPAC to locate an Authorized Service Center in

the customer's area. Products that do not conform to this warranty will be returned by ground transportation, freight prepaid.

THE FOREGOING WARRANT IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy of repair, replacement or refund is customer's exclusive remedy in the event of breach of this warranty.

SELLER SHALL NOT BE SUBJECT TO AND DISCLAIMS:

- (a) ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY,
- (b) ANY OBLIGATIONS WHATSOEVER ARISING FROM TORT CLAIMS (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR ARISING UNDER THEORIES OF LAW WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY SELLER OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATING THERETO, AND
- (c) ALL CONSEQUENTIAL, INCIDENTAL AND CONTINGENT DAMAGES WHATSOEVER.

ENERPAC's liability in all cases is limited to, and shall not exceed, the purchase price paid.

For the nearest authorized ENERPAC SERVICE CENTER, please call ENERPAC at 800-558-0530 or visit the ENERPAC WEB SITE at www.Enerpac.com.

Upright Vise Mount

Part No. 015307

(for use with MiniKrimp™ only)



Weight1.7 lbs.

3/8"-16 UNC 1" long bolts are required for mounting bracket to crimper. Mounting bolts are **not** included.

Upright Table Mount

Part No. 015306

(for use with MiniKrimp™ only)



Weight2.2 lbs.

3/8"-16 UNC 1" long bolts are required for mounting bracket to crimper. Mounting bolts are **not** included.

Side Vise Mount

Part No. 015736

(for use with MiniKrimp™ only)



Weight1.4 lbs.

1/4"-20 UNC 1" long bolts are required for mounting bracket to crimper. Mounting bolts are **not** included.

Attachable Hose Assembly

Part No. 015309

(for use with MiniKrimp™ only)



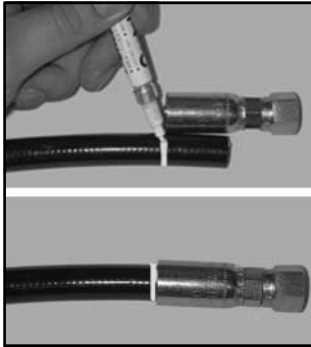
Size1/4" I.D.

Pressure Rating10,000 psi W.P.

Length6 ft.

End Connections:1/4" NPTF

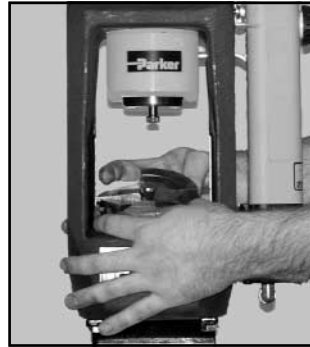
MiniKrimp™ Assembly Instructions for HY and 43 Series Fittings



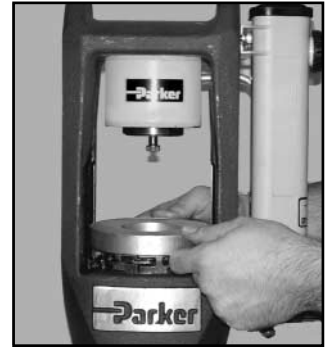
1. Place the hose next to the fitting and align it with the knurl marks in the fitting shell. Mark the length onto the hose. Push hose into the fitting until the mark on the hose is even with the end of the fitting shell (lubricate hose, if necessary).



2. Select proper die set. For Pioneer hoses, see Crimp Assembly Tool Selection Chart on page 52/53 of this manual. **Note:** Die sets are color coded by size.



- 3a. Using a molybdenum disulfide type grease, apply a thin layer of grease to the die bowl.
- 3b. Place unitized die set into die bowl.



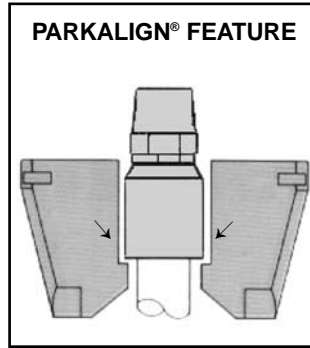
4. Place proper die ring on top of the selected die. Refer to Crimp Specification and Tool Selection Chart on page 52/53 for proper die ring selection.



5. Slide pusher into place onto shoulder bolt.



6. Position the hose and fitting in dies from below.



7. Rest bottom of coupling on die step using PARKALIGN® feature.



8. While holding hose and fitting into position on die step, begin pumping hand pump until die ring contacts base plate.



9. Release pressure, remove finished assembly. Check crimp diameter on page 52/53 for correct crimp diameter measurements.



10. Measure crimp diameter of each fitting at the top, middle and bottom of the shell. Take measurements at a minimum of three places around the shell circumference. Verify crimp diameter is within tolerances. Use the Crimp Specification and Tool Selection Chart on page 52/53 of this manual.

Note: Hose assemblies must be inspected for cleanliness and should be free of all foreign particles.

Note: Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating that crimper.



Parkrimp 1 For use with HY/43 Series Fittings

The Parkrimp 1, Model 80C-001, gives you everything you need to crimp hoses from 1/4" to 1" in one convenient package. It includes crimping machine, electric pump, die rings, die sets for 1/4", 3/8", 1/2", 3/4" and 1" hoses. (Die sets for 5/16" and 5/8" hoses are available.)

All you need to be in business is a small inventory of Parker No-Skive hose and Parker Parkrimp No-Skive fittings.

Specifications

<u>Dimensions</u>	26" wide, 19-1/2" deep, 24-1/4" high
<u>Weight</u>	275 lbs. with power unit
<u>Rating</u>	30 tons force @ 3,000 psi maximum
<u>Capability</u>	-1-1/4" SAE 100R1AT maximum
	-1-1/4" DIN 20 022-1SN maximum
	-1-1/4" SAE 100R2AT maximum
	-1-1/4" DIN 20 022-2SN maximum
	-1" SAE 100R3 maximum
	-1-1/4" SAE 100R4 maximum
	-7/8" SAE100R5 maximum
	-1" SAE 100R9AT maximum
	-1" SAE 100R16 maximum
	-7/8" SAEJ1402 Al maximum
	-7/8" SAEJ1402 All maximum
<u>Set up time</u>	20 seconds
<u>Full cycle time</u>	20 seconds
<u>Hydraulic Fluid</u>	AW32

Note: Cycle times vary depending on hose and fitting styles and sizes.

Standard Equipment:

Model 80C-101 includes:

- Parkrimp 1 Crimper with 115/230 volt, 1 phase, 60 hertz power unit wired for 115V. **Note:** Must run on a dedicated 20 AMP circuit.
 - Die ring Cavity Color Coded Silver 80C-R01
 - Die ring Cavity Color Coded Black 80C-R02
- 43 Series Dies (Silver)
- -4 (1/4") Cavity Color Coded Red 80C-A04
 - -6 (3/8") Cavity Color Coded Yellow 80C-A06
 - -8 (1/2") Cavity Color Coded Blue 80C-A08
 - -12 (3/4") Cavity Color Coded Green 80C-A12
 - -16 (1") Cavity Color Coded Black 80C-A16

Model 80C-061 includes:

- Parkrimp 1 Crimper 80C-081
- Die ring Color Coded Silver 80C-R01
- Die ring Color Coded Black 80C-R02
- No Dies - Order separately from list below

Model 80C-181 includes:

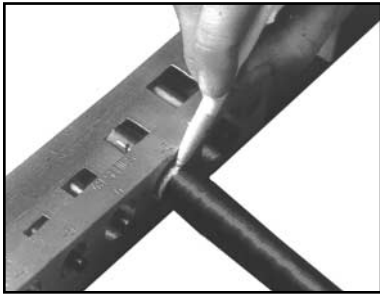
- Parkrimp 1 Crimper 80C-080
- 115/230 volt, 1 phase, 60 Hz power unit wired for 115V 80C-110
- No Die Rings
- No Dies - Order separately from list below

Optional Tooling:

43 Series Dies (Silver)

- -4 (1/4") Cavity Color Coded Red 80C-A04
- -6 (3/8") Cavity Color Coded Yellow 80C-A06
- -8 (1/2") Cavity Color Coded Blue 80C-A08
- -10 (5/8") Cavity Color Coded Orange 80C-A10
- -12 (3/4") Cavity Color Coded Green 80C-A12
- -16 (1") Cavity Color Coded Black 80C-A16

Parkrimp 1 Assembly Instructions



1. Mark the hose insertion depth and push hose into fitting until the mark on the hose is even with the end of the shell (lubricate hose, if necessary). Hose Insertion Depth table is on page 52.

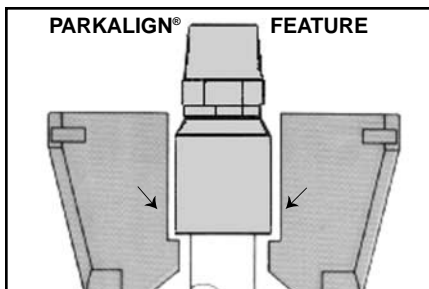


↑
Color
Coded
Unitized
Die-Train

2. Lubricate Die Bowl using a premium quality lithium base grease. Place unitized die-train into base plate. See decal on crimper for proper die set. **Note:** Die sets have color coded cavities indicating size.



3. Position hose in dies from below.



3b Rest bottom of coupling on die step using PARKALIGN® feature.



4. Place the die ring on top of the dies. See decal on crimper for proper die ring. **Note:** Select correct dies and die ring based on size. See Parkrimp Tool Selection Chart on pages 52/53.



5. Activate pump* - pull handle - when die ring fully contacts base plate, crimp is complete.
***Note:** Pump must not exceed 3000psi. Warranty will be void if pump pressures exceeds limit.



6. Push handle to open dies. Remove finished assembly. Check crimp diameter on table on page 52/53.

Note: Hose assemblies must be inspected for cleanliness and free of all foreign particles.
Note: Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.



Karrykrimp 2

For use with HY/43 Series Fittings

Karrykrimp 2 is portable, compact and ruggedly built. The Karrykrimp 2 gives you everything you need to crimp hoses from 1/4" to 1-1/4" (through 4 spiral, SAE 100R12) and from 3/4" to 1" (through 6 spiral, SAE 100R13). In one convenient package, Model 85C-061 includes crimping machine, take-apart stand, die rings, and connection hose with quick coupling. Select the power unit and dies that meet your needs.

Specifications:

<u>Dimensions</u>	14" wide, 15" deep, 30" high
<u>Weight</u>	100 lbs. without power unit
<u>Rating</u>	60 tons force @ 10,000 psi maximum
<u>Capability</u>	- 1-1/4" SAE 100R1AT maximum
	- 1" DIN 20 022-1SN maximum
	- 1-1/4" SAE 100R2AT maximum
	- 1-1/4" DIN 20 022-2SN maximum
	- 1" SAE 100R3 maximum
	- 1-1/4" SAE 100R4 maximum
	- 7/8" SAE100R5 maximum
	- 7/8" SAEJ1402 AI maximum
	- 7/8" SAEJ1402 All maximum
	- 1-1/4" SAE 100R9AT maximum
	- 1-1/4" SAE 100R12 maximum
	- 1" SAE 100R13 maximum
	- 1" SAE 100R16 maximum
<u>Set up Time</u>	- 20 seconds

Note: Cycle times vary depending on hose and fitting styles and sizes.

Standard Equipment:

Model 85C-061 includes:

• Karrykrimp 2 Portable Crimper (base unit)	85C-080
• Die ring Color Coded Silver	85C-R01
• Die ring Color Coded Black	85C-R02
• Connection hose with Quick Coupling	82C-00L
• Stand (2 piece)	832021
• No Dies or Pumps	

Model 85C-KDA (Die Kit) Includes: 43 Series -4, -6, -8, -12, -16, and -20 dies and 70/71 Series -6, -8, -12, -16, and -20 dies **ONLY**.

43 Series Dies (Silver)

• -4 (1/4")	Cavity Color Coded Red	80C-A04
• -6 (3/8")	Cavity Color Coded Yellow	80C-A06
• -8 (1/2")	Cavity Color Coded Blue	80C-A08
• -12 (3/4")	Cavity Color Coded Green	80C-A12
• -16 (1")	Cavity Color Coded Black	80C-A16
• -20 (1-1/4")	Cavity Color Coded White	80C-A20

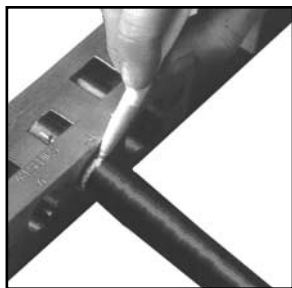
Optional Tooling:

43 Series Dies (Silver)

• -4 (1/4")	Cavity Color Coded Red	80C-A04
• -6 (3/8")	Cavity Color Coded Yellow	80C-A06
• -8 (1/2")	Cavity Color Coded Blue	80C-A08
• -12 (3/4")	Cavity Color Coded Green	80C-A12
• -16 (1")	Cavity Color Coded Black	80C-A16
• -20 (1-1/4")	Cavity Color Coded White	80C-A20

Note: Reference page C-10 for information on Hand Pump (85C-0HP), Electric Pump (82C-0EP and 85C-0EP), Air/Hydraulic Pump (82C-0AP) and Rechargeable Battery-Powered Electric Pump (82C-3BP-1). For crimping instructions, see pages C-15 and C16.

Karrykrimp 2 Assembly Instructions



1. Mark the hose insertion depth and push hose into fitting until the mark on the hose is even with the end of the shell (DO NOT use any lubricant to assemble spiral hose and fittings). Hose Insertion Depth table is on page 52.

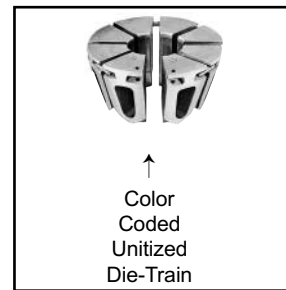


2. Pull pin at the top of pusher to swing it back. Lubricate Die Bowl using a premium quality lithium base grease.

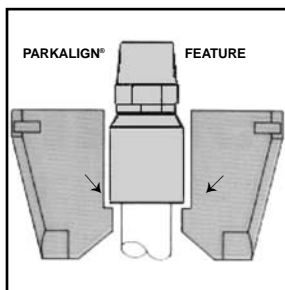


3. Place unitized die-train into base plate. See decal on crimper for proper die set.

Note: Die sets have color coded cavities indicating size.



4a. Position the hose and fitting in dies from below.



4b. Rest bottom of coupling on die step using PARKALIGN® feature.



5. Place the die ring on top of the dies. **See decal on crimper or reference Page C-4 through C-8 for proper die ring—Silver or Black.**



6. Position pusher and replace pin. Pump until die ring contacts base plate. Battery-Powered Pump (82C-3BP-1) shown.

Available Power Units:

- Hand Pump (85C-0HP)
- Air-oil pump (82C-0AP)
- Electric pump (82C-0EP)
- Electric pump (85C-0EP)
- Battery-Powered pump (82C-3BP-1)
- Vehicle Battery-Powered pump (85C-12V)



7. Release pressure - remove finished assembly. Crimp diameters are listed on page 52/53.

Important: Hose assemblies must be inspected for cleanliness and free of all foreign particles.

Note: Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.

DE60 Crimper

Description: A real workhorse, the DE60 has 4 strain rods to increase crimping precision, a new micrometer gauge including a limit switch for greater accuracy and a simplified controller design featuring a built-in circuit breaker and emergency stop switch. Standard features include a coupling stop, pusher retraction stop, six standard color-coded die sets and a built-in pump.

Features:

- Supersedes the NP60 and K-501 crimpers. 60-ton cylinder
- Four strain rods for greater durability and crimping precision
- New micrometer gauging mechanism with limit switch for greater accuracy and reliability
- New simplified controller design with emergency stop and circuit breaker integrated with “on/off” power switch for added safety. New pusher retraction stop for reduced cycle-time of same-assembly crimping
- New coupling stop attaches to standard pusher plate to ease locating couplings in die sets
- Color coded die rings make die selection easy
- Die storage shelving, detachable pusher, standard pusher plate and notched bent tube pusher plates are included
- 10,000 psi two-stage electric pump included

Capability: Crimps through 1” I.D. 2-wire braid and 4-spiral wire hoses with standard die sets Crimps 1-1/4” I.D. 2-wire braid and 4-spiral wire hoses with optional dies

Power Source(s) 1 hp 115VAC 60 hz 15 AMP

Dimensions: 25” wide X 26.5” deep X 28.5” high

Weight: 300 lbs. (approximate with standard die sets, pump and shelving)

Options: Purchased Separately:

- Additional color coded split die ring sets
- Color coded solid die ring sets
- KDB die sets
- Foot pedal for pump
- 220VAC 50 hz single phase (DE60G)
- Mobile configuration (DE60M) includes crimper with manual gauge and mounting bracket only—no dies, no shelving, no pump

Crimping Specifications: Please reference CrimpSource online via our website at www.parkerhose.com



Dies:	• Split Ring Straight Crimp Dies:		• Solid-Ring Straight-Crimp Dies	
	Die Sets	Die Size	Die Sets	Die Size
	EN98-020-09	.350 Orange	EN98-030-07	.350 Orange
	EN98-020-01	.520 Red	EN98-030-01	.520 Red
	EN98-020-02	.670 Yellow	EN98-030-02	.670 Yellow
	EN98-020-03	.830 Blue	EN98-030-03	.830 Blue
	EN98-020-04	1.100 Green	EN98-030-04	1.100 Green
	EN98-020-05	1.320 Black	EN98-030-05	1.320 Black
	EN98-020-06	1.500 Brown	EN98-030-06	1.730 Silver
	EN98-020-07	1.730 Silver	EN98-030-09	1.500 Brown
	EN98-020-08	1.920 Purple	EN98-030-10	1.850 Orange
	EN98-020-11	1.850 Orange	EN98-030-11	1.920 Purple

HY Series Parkrimp Tool Selection - Minikrimp, Karrykrimp 2 and Parkrimp 1 machines. Reference Parker Hose Products Division Catalog 4400 USA, web-site at www.parkerhose.com, or the appropriate Technical Manuals for specific machine operating instructions.



Black Die Ring – Use with Pioneer AG II Hose

Parkrimp 1	80C-R02
Minikrimp	82C-R02
Karrykrimp 2	85C-R02

Silver Die Ring – Use with Pioneer AG I Hose

Parkrimp 1	80C-R01
Minikrimp	82C-R01
Karrykrimp 2	85C-R01

80C-Hxx Dies – Parkalign Feature

Part Numbers are stamped on the Top of the Dies.
There is no color coding per Die Size. All HY Series Dies are Silver with Brown inserts.

HY Series Parkrimp Tool Selection and Crimp Diameters for Pioneer AG I Hose

Parkrimp Machines		Hose Part Number - Pioneer AG I				Die Part Number	Die Ring	Hose Insertion Depth		
Karrykrimp 2 Sizes -4/-16	Parkrimp 1 Minikrimp Sizes -4/-12	Hose Size	Dash Size	* Crimp Diameter				See Above for Part Number	mm	inch
				mm	inch					
				1/4	-4	14,60/15,10	0.575/0.595		80C-H585	36,5	1-7/16
		3/8	-6	18,40/18,90	0.725/0.745	80C-H735	39,5	1-1/2		
		1/2	-8	21,10/21,60	0.830/0.850	80C-H840	39,5	1-9/16		
		5/8	-10	24,40/24,90	0.960/0.980	80C-H970	39,5	1-9/16		
		3/4	-12	28,20/28,70	1.110/1.130	80C-H1120	39,5	1-5/8		
		1	-16	34,40/34,90	1.355/1.375	80C-H1365	43,0	1-3/4		

HY Series Parkrimp Tool Selection and Crimp Diameters for Pioneer AG II Hose

Parkrimp Machines		Hose Part Number - Pioneer AG II				Die Part Number	Die Ring	Hose Insertion Depth		
Karrykrimp 2 Sizes -4/-16	Parkrimp 1 Minikrimp Sizes -4/-12	Hose Size	Dash Size	* Crimp Diameter				BLACK See Above for Part Number	mm	inch
				mm	inch					
				1/4	-4	16,15/16,65	0.635/0.655		80C-H605	36,5	1-7/16
		3/8	-6	20,45/20,95	0.805/0.825	80C-H775	39,5	1-1/2		
		1/2	-8	23,25/23,75	0.915/0.935	80C-H885	39,5	1-9/16		
		5/8	-10	26,40/26,90	1.040/1.060	80C-H1010	39,5	1-9/16		
		3/4	-12	30,50/31,00	1.200/1.220	80C-H1170	39,5	1-5/8		
		1	-16	37,95/38,45	1.495/1.515	80C-H1465	43,0	1-3/4		

* Crimp Diameters for stainless steel fittings are 0,13 mm (0.005 inch) larger then shown. Do Not use Minikrimp, Karrykrimp, or Parkrimp 1 to assemble any stainless steel fittings.

Crimp Specification and Tool Selection Chart for Farmex®, Farmex® II, HTB Eliminator®, 7812 and XP2

Crimp Specification and Tool Selection Chart						
Hose	Size	Fitting	Die Part Number	Crimp Diameter	Color	Die Ring Color
Farmex®						
HR1C-04	-4	HY	80C-P0580	0.570/0.590	Red	Silver
HR1C-06	-6	HY	80C-P0740	0.730/0.750	Yellow	Silver
HR1C-08	-8	HY	80C-P0845	0.835/0.855	Blue	Silver
Farmex II®						
HR2C-04	-4	HY	80C-P0625	0.615/0.635	Red	Silver
HR2C-06	-6	HY	80C-P0740	0.730/0.750	Yellow	Silver
HR2C-08	-8	HY	80C-P0870	0.860/0.880	Blue	Silver
HR2C-10	-10	HY	80C-P1015	1.005/1.025	Orange	Silver
HR2C-12	-12	HY	80C-P1150	1.140/1.160	Green	Silver
HR2C-16	-16	HY	80C-P1450	1.440/1.460	Black	Silver
HTB Eliminator®						
HTB-04	-4	Contact Parflex*				
HTB-06	-6	43	80C-A06	0.865/0.885	Yellow	Black
HTB-08	-8	43	80C-A08	0.985/1.005	Blue	Black
HTB-10	-10	43	80C-A10	1.100/1.120	Orange	Black
HTB-12	-12	43	80C-A12	1.285/1.305	Green	Black
HTB-16	-16	43	80C-A16	1.630/1.650	Black	Black
7812						
7812-04	-4	43	80C-A04	0.685/0.705	Red	Black
7812-06	-6	43	80C-A06	0.865/0.885	Yellow	Black
7812-08	-8	43	80C-A08	0.985/1.005	Blue	Black
7812-10	-10	43	80C-A10	1.100/1.120	Orange	Black
7812-12	-12	43	80C-A12	1.285/1.305	Green	Black
7812-16	-16	43	80C-A16	1.630/1.650	Black	Black
XP2						
XP2-04	-4	43	80C-A04	0.645/0.665	Red	Silver
XP2-06	-6	43	80C-A06	0.825/0.845	Yellow	Silver
XP2-08	-8	43	80C-A08	0.945/0.965	Blue	Silver

* Contact the Technical Services Specialist at the Parker Parflex Division at 330-296-2871.



Gates Conversion Kit

For use with 43 Series Fittings ONLY

Now you can convert the Gates 701, 703, and 707 bottom loading crimp machines to crimp Parkrimp 43 Series No-Skive thru-the-cover fittings. Crimping is easy and quick using the Parkrimp 8GC-002 conversion kit.

Standard Equipment

Model 8GC-002 includes:

- Bowl Assembly 8PC-030
- Silver Die Ring 81C-R01
- Black Die Ring 81C-R02

43 Series Dies (Silver)

- -4 (1/4") Cavity Color Coded Red 80C-A04
- -6 (3/8") Cavity Color Coded Yellow 80C-A06
- -8 (1/2") Cavity Color Coded Blue 80C-A08
- -12 (3/4") Cavity Color Coded Green 80C-A12
- -16 (1") Cavity Color Coded Black 80C-A16

Optional Tooling:

43 Series Dies (Silver)

- -5 (5/16") Cavity Color Coded Purple 80C-A05
- -10 (5/8") Cavity Color Coded Orange 80C-A10
- -20 (1-1/4") Cavity Color Coded White 80C-A20

Note: For additional information and operating instructions, reference Hose Products Division Bulletin #4480-B10.

Note: Hose assemblies must be inspected for cleanliness and free of all foreign particles.

Note: Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.



Weatherhead Conversion Kit For use with 43 Series Fittings ONLY.

Now you can convert Weatherhead T-400 Crimpers to utilize Parker Parkrimp No-Skive thru-the-cover fittings. Crimping is easy and quick using Parkrimp 8WC-001 Conversion Kit.

Standard Equipment

Model 8WC-001 for T-400 machines includes:

- | | |
|-------------------|---------|
| • Bowl Assembly | 8PC-030 |
| • Pusher | 8WC-00P |
| • Silver Die Ring | 81C-R01 |
| • Black Die Ring | 81C-R02 |

43 Series Dies (Silver)

- | | | |
|--------------|---------------------------|---------|
| • -4 (1/4") | Cavity Color Coded Red | 80C-A04 |
| • -6 (3/8") | Cavity Color Coded Yellow | 80C-A06 |
| • -8 (1/2") | Cavity Color Coded Blue | 80C-A08 |
| • -12 (3/4") | Cavity Color Coded Green | 80C-A12 |

Optional Tooling:

43 Series Dies (Silver)

- | | | |
|--------------|---------------------------|---------|
| • -5 (5/16") | Cavity Color Coded Purple | 80C-A05 |
| • -10 (5/8") | Cavity Color Coded Orange | 80C-A10 |

Note: For additional information and operating instructions, reference Hose Products Division Bulletin #4480-B10.

Note: Hose assemblies must be inspected for cleanliness and free of all foreign particles.

Note: Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.



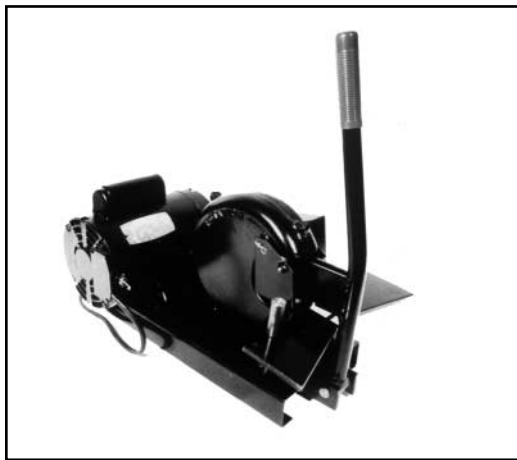
Hose Cut-Off Machine Model No. 339 and 239 Model 339

Designed for heavy duty use. Will cut multi-braided wire reinforced hoses including 6 heavy spiral constructions up to 2" inside diameters. Model 339 comes equipped with 2 cut-off blades of a special scalloped construction. Equipped with 3 HP motor 230V, 3 phase, 60 cycle.

Dimensions: 22" wide x 42" long x 24" high
Shipping Weight: 115 lbs.
Replacement Scallop Cutting Blade (10" with 3/4" arbor size) Part No. 24248
Replacement Smooth Cutting Blade Part No. 15960

Model 239

This is Model 339 with 230V single-phase motor Part No. 239
(For additional information see Bulletin 4497-B11.)



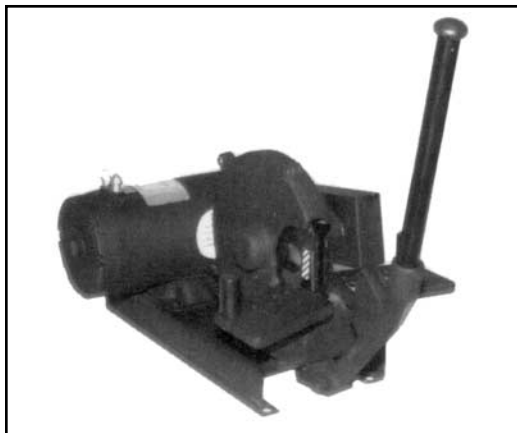
Hose Cut-Off Machine Model No. 332T-115V

Power unit for quick, easy cutting of cotton or rubber covered fabric braid or wire reinforced hose. Equipped with 1-1/2 HP, 3450 RPM, 115/230V single phase electric motor wired for 115V. Belt driven cutting wheel of high speed steel, hardened and ground for smooth, dust-free, long-lasting service. Moving parts shielded by guards. Includes a Smooth Cutting Blade (8" with 5/8" arbor size)

Model 332T-115V will cut:

- two wire braid, 1-1/4" maximum
- one wire braid, 2" maximum
- four spiral, 1-1/4" maximum

Replacement Smooth Cutting Blade (8" with 5/8" arbor size) Part No. 580661
Replacement Scallop Cutting Blade Part No. 24398



Hose Cut-Off Machine Model No. 332T-12VDC

Designed primarily for fast, efficient cutting of multi-spiral wire reinforced hydraulic hose. This machine is equipped with the scalloped edge cutting blade that will consistently cut 4 spiral hose up through and including 1-1/4" (31,8mm) I.D. as well as one and two wire braid reinforced hydraulic hose. The scalloped blade efficiently cuts hose with minimum of smoke, dust and internal debris inherent with other types of cutting equipment. Has a 1-1/2 HP, 12 volt, 115 amps, 3500 RPM DC permanent magnet motor.

Model 332T-12VDC will cut:

- 1 wire braid (SAE 100R1)—2" maximum; 2 wire braid (SAE 100R2)—2" maximum;
- 4 wire braid (SAE 100R12)—1-1/4" maximum; (SAE100R13)—1" maximum.

Dimensions: 13" wide x 26" long x 22" high (333,2mm x 660,4mm x 558,8mm)

Shipping Weight: 67 lbs. (30,4kg.)

Blade: 8" (203,2mm) O.D. 5/8" (15,8mm) arbor, special scalloped edge. Precision ground and finely edged - may be resharpeded.

Replacement Scallop Cutting Blade Part No. 24398



Specialty Hose

Pioneer offers an extensive line of industrial hose for many applications. The Blue Thunder™ hose meets most chemical applications and could be used in conjunction with the PF Series coupling for chemical systems. Pioneer also has multipurpose hoses such as GST® II and Jiffy® for many low-pressure applications. This additional offering along with welding hose and coiled hose will expand your customer base.

Blue Thunder (Series 7373T)	.58
GST II (7092/7093)	.59
Jiffy Hose (7212)	.60
Siameez Twin Welding Hose	.61
Contractor's Water Hose	.62
Commercial Duty Air Hose	.63
Nylon Air Coil Hose	.64
Urethane Air Coil Hose	.64

BLUE THUNDER™ UHMW Hose Series 7373T



WARNING! Elevated temperatures can change chemical resistance ratings. Most chemical resistance guides are based on testing performed at ambient/70°F (21°C) and higher temperatures are likely to change these ratings. Many chemicals will become more aggressive as temperatures increase, reducing the ability of materials to withstand them. It is the users responsibility to determine if the hose is compatible with the application. Compatibility information can be requested from Parker/Dayco for chemicals at elevated temperatures, it will be necessary for users to perform compatibility testing if no data exists for the chemical at the temperature desired.

Also, coupling attachment becomes even more critical at elevated temperatures. Only permanent crimp, internal expanded or swage style fittings should be installed for applications with temperatures above 125°F. The working pressure of banded assemblies below 125°F should be reduced to maintain a 4:1 design factor based on the assembly burst capability.

This corrugated hose provides flexibility and durability in chemical **full suction and discharge applications**. The clear Ultra High Molecular Weight (UHMW) polyethylene tube will handle 98% of the most common chemicals without leaching and contaminating the product being conveyed. Refer to the chemical guide in the Safety and Technical Data section of this catalog, or contact Parker/Dayco to determine compatibility with chemicals and applications.
4:1 Design factor

Tube: Clear Ultra High Molecular Weight Polyethylene (UHMW)
Cover: Corrugated Blue EPDM
Reinforcement: Textile Plies with Helix Wire
Temp. Range: -40° F to +250° F (**WARNING!** Check chemical temperature & concentration)
Branding: PARKER/DAYCO SERIES 7373 BLUE THUNDER™
 UHMW TUBE MAX WP XXX PSI MADE IN USA 001
Brand Description: Tape Brand - Yellow ink lettering

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7373T-1000	1	25.4	2	1.475	37.5	61	3.0	200
7373T-1250	1 1/4	31.8	2	1.700	43.2	65	4.0	200
7373T-1500	1 1/2	38.0	2	1.965	49.9	83	5.0	200
7373T-2000	2	50.8	4	2.600	66.0	139	6.0	200

LENGTHS: 100 ft., lengths up to 200 ft. on quotation.
COUPLINGS: Coupling style 7, 10, 11, 14, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

GST® II

General Service Air & Water Hose

Series 7092-BR. RED 7093-BLACK



An economical and versatile general purpose hose, which is excellent for air & water service as well as many agricultural chemicals including LASSO® herbicide. The EPDM tube and cover resists heat, sunlight, ozone and weathering. The GST II hose exceeds RMA class C medium oil resistance requirements. Suitable for applications such as oil mist lubricating air lines, but NOT suitable for the transfer of petroleum products. Closely plied reinforcement of high tensile textile cord provides excellent coupling retention and kink resistance.
4:1 Design factor

Tube: Black EPDM
Cover: EPDM - colors referenced above
Reinforcement: Multiple textile spirals
Temp. Range: -40° F to +212° F
Branding Example: PARKER/DAYCO SERIES 7031 GST® II I.D. (IN & MM)
 XXX PSI MAX WP MADE IN USA
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-25200	1/4	6.4	2	0.500	12.7	9	2.5	200
-31200	5/16	7.9	2	0.594	15.1	13	3.3	200
-38200	3/8	9.5	2	0.656	16.7	14	3.5	200
-50200	1/2	12.7	2	0.813	20.7	21	4.5	200
-63200	5/8	15.9	2	0.969	24.6	24	5.5	200
-75200	3/4	19.1	2	1.109	28.2	32	6.0	200
-100200	1	25.4	2	1.406	35.7	44	7.0	200
-125204	1-1/4	31.75	4	1.781	45.2	77	9.0	200
-150204	1-1/2	38.1	4	2.031	51.6	86	10.0	200

LENGTHS: Exact length reels (+50 ft./-0 ft.), 90% 1 pc., 10% 2 pc. - 50 ft. min. length.
 50 ft. cut lengths are coiled and tied in pallet boxes.
 *Sizes stocked in green and blue
 †Sizes stocked in yellow
 Contact Parker or check Price Schedule for availability.

COUPLINGS: Coupling style 1, 2, 3, 5, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

HOSE FITTINGS JIFFY® HOSE Air Hose - MSHASeries 7212

This oil resistant hose is excellent for use with air tools, to convey water, mild chemicals and various petroleum products. Light, flexible and couples in a jiffy - no clamps or special tools needed. Special braid angle for quick and secure push-on coupling retention. Available in various colors for color coding line. Flame resistant cover is branded with MSHA approval number. 4:1 Design factor

Tube: Black Nitrile
Cover: Black, blue, gray, green or red Neoprene
Reinforcement: One textile braid
Temp. Range: -40° F to +212° F
Branding: PARKER/DAYCO 7212 JIFFY® HOSE PUSH-ON 1/4 in. ID 300 PSI MAX WP MSHA# MADE IN USA DE1 (DATE CODE)
Brand Description: Ink Brand - White or black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braid	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7212-251*	1/4	6.4	1	0.500	12.7	9	3.0	300
7212-381*	3/8	9.5	1	0.625	15.9	12	3.0	300
7212-501*	1/2	12.7	1	0.750	19.1	15	5.0	300
7212-631*	5/8	15.9	1	0.906	23.0	20	6.0	300
7212-751*	3/4	19.1	1	1.031	26.2	26	7.0	300

LENGTHS: Random lengths on reels. Max. 600 ft., min. 400 ft., 5 pieces max. with 50 ft. minimum length.

COUPLINGS: Coupling style 8, 9, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Couplings Style Pages in the back of the catalog for coupling details.

*Note: Add BK (black), BL (blue), GY (gray), GN (green) or RD (red) to complete part number.



SIAMEEZ® Twin Welding Hose - Grade R Series 7126

RED - ACETYLENE LINE ONLY

TUBE AND COVER NOT OIL AND FLAME RESISTANT



Warning! Care should be taken to avoid gouging, dragging, abrading or otherwise damaging the hose cover, which may also lead to premature hose failure. Do not attempt to repair or re-couple hose assemblies; replace all assemblies that show signs of age or abuse. Refer to RMA IP-11-5, "Welding Hose, Precautions for the Selection and Use of".

Warning! Grade R & RM for use with acetylene gas **ONLY!** DO NOT use with any other fuel gas. Bleed hoses when not in use for 30 minutes or longer. Couple with one inch ferrules only.

This hose is recommended for portable or production line welding in factories, ships, construction work, etc. Meets or exceeds RMA and CGA (Compressed Gas Association) specifications for Type VD, Grade R welding hose. The tube is non-blooming. Minimum 4:1 Design factor

Tube: Black EPDM
Cover: Vulcanized twin - Green (oxygen), Red (acetylene) EPDM
Reinforcement: Multiple textile spirals
Temp. Range: -20° F to +200° F
Branding: PARKER/DAYCO 7126 WELDING ! WARNING ACETYLENE ONLY 3/16 ID MAX WP 200 PSI RMA/CGA IP-7-99 STD DUTY GRADE R COUPLE WITH ONE INCH FERRULES MADE IN USA
Brand Description: Ink Brand - White letter color

Part No.	ID	Length	Reinf Spirals	Max Rec WP
7126NLF-150	1/4"	12.5 FT	2	200
7126NLF-300	1/4"	25 FT	2	200
7126NLF-600	1/4"	50 FT	2	200
7126NLC-150	3/16"	12.5 FT	2	200
7126NLC-300	3/16"	25 FT	2	200
7126NLC-600	3/16"	50 FT	2	200

LENGTHS: Exact length reels, +/- 50 ft., 90% 1 piece, 50 ft. min. length and coupled assemblies.

COUPLINGS: Special right hand or left hand threaded brass inserts and crimp ferrules—not available from Parker/Dayco. Couplings not sold or quoted separately.

Contractor's Water Hose

- 7055 is 100 PSI WP, 7093 is 200 PSI WP
- Weather & abrasion-resistant EPDM rubber
- Heavy duty reinforcement
- Working temperature range: -40°F to +180°F
- Heavy duty machined brass garden hose thread fittings



Part No.	Color	ID	Length	Standard Pack	Wt./ Length
7055GHT63-300	Black	5/8"	25'	10	4.4
7055GHT63-600	Black	5/8"	50'	5	8.6
7055GHT75-300	Black	3/4"	25'	6	6.6
7055GHT75-600	Black	3/4"	50'	3	13.0

HOSE

HOSE FITTINGS

CRIMPING EQUIPMENT

SPECIALTY HOSE

TUBE FITTINGS

SWIVELS



Commercial Duty 300 PSI Air Hose

- 300 PSI WP
- Flexible, lightweight handling
- Working temperature range: 0°F to +130°F
- Strain relief sleeve
- Brass fittings with male NPT threads

Designed for a wide range of agricultural, industrial and residential applications.

Part No.	Color	ID	Length	Standard Pack	Wt.
33903	Yellow	1/4"	25'	10	21
33904	Yellow	1/4"	50'	5	21
33913	Yellow	3/8"	25'	10	24
33914	Yellow	3/8"	50'	5	24
33923	Yellow	1/2"	25'	10	39
33924	Yellow	1/2"	50'	5	39

Fast-Stor® FSX Air Hose

Parker Fast-Stor® FSX self-retracting air hose assemblies are a lower cost alternative to nylon Fast-Stor® assemblies. Manufactured from a proprietary resin, FSX air hose offers high working pressure and excellent coil retention at an economical price.

Note: Product comes fully assembled. Not for use with Fast-Stor® compression fittings or spring guards.

Standard color: Safety Yellow

Service temperature range: -40°F to +200°F

- For use in pneumatic applications
- Working pressure of 200 psi at 73°F
- Live swivel male barbed fittings are standard on both ends.
- Spring guards are included to provide protection from abrasion and kinking.



Assembly Part Number	Hose I. D. in.	Avg. Wall Thick	Working Length ft.	Fittings Live Swivel Male	Max. Working Pressure psi @ 73°F
AX412	1/4	.035	9	1/4" NPT	200
AX425	1/4	.035	18	1/4" NPT	200
AX612	3/8	.050	9	3/8" NPT	200
AX625	3/8	.050	18	3/8" NPT	200

Parker NoMar™ Fast-Stor® Assemblies

Urethane Fast-Stor® Assemblies

- For use in pneumatic applications
- Working pressure of 125 psi for 1/4" ID and 85 psi for 3/8" ID
- Service temperature range: -40°F to +180°F
- Includes one live male end and one rigid male end
- Standard color is transparent blue (-TBLU)
- Pigtail Lengths – 16" swivel end, 8" rigid end



Part Number #	Hose O. D. in.	Hose I. D. in.	Working Length ft.	Coil I. D. in.	Max. Working Pressure psi at 73°F	Min. Burst psi at 73°F	End Fittings
AUFS-64-TBLU-010	3/8	1/4	10	1-1/4	125	375	1/4" NPT
AUFS-64-TBLU-020	3/8	1/4	20	1-1/4	125	375	1/4" NPT
AUFS-86-TBLU-010	1/2	3/8	10	2-1/2	85	255	3/8" NPT
AUFS-86-TBLU-020	1/2	3/8	20	2-1/2	85	255	3/8" NPT



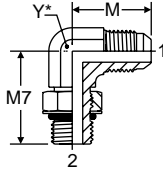
Tube Fittings

Pioneer offers tube fittings to meet most hydraulic applications. Pioneer's forged design provides better durability in tough applications. Pioneer also extends a broad offering to meet customer demands such as pipe, flare, and o'ring face seal. This product will compliment the broad offering of hoses that are available through Pioneer.

37° Flare Fittings .....	.66
ORFS Fittings .....	.70
Pipe Fittings .....	.74
O'Rings .....	.78
Metric Seal-lok .....	.80

C50X

Straight Thread Elbow
37° Flare / SAE-ORB



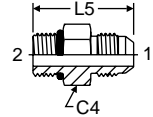
Y* – Across wrench flats

SAE 070220
HPD Base # 2503

TUBE FITTING PART #	END SIZE		M (in.)	M7 (in.)	Y (in.)	STANDARD
	1 (in.)	2 UN/UNF-2A				Dynamic Pressure
						(x 1,000 PSI)
4 C50X	1/4	7/16-20	0.89	1.03	7/16	6.0
4-6 C50X	1/4	9/16-18	1.05	1.25	9/16	6.0
6 C50X	3/8	9/16-18	1.06	1.25	9/16	6.0
6-4 C50X	3/8	7/16-20	1.06	1.19	9/16	6.0
6-8 C50X	3/8	3/4-16	1.14	1.45	3/4	6.0
8 C50X	1/2	3/4-16	1.25	1.45	3/4	6.0
8-6 C50X	1/2	9/16-18	1.25	1.36	3/4	6.0
8-10 C50X	1/2	7/8-14	1.34	1.70	7/8	5.0
10 C50X	5/8	7/8-14	1.45	1.70	7/8	5.0
10-12 C50X	5/8	1 1/16-12	1.53	1.94	1 1/16	5.0
12 C50X	3/4	1 1/16-12	1.66	1.94	1 1/16	5.0
12-10 C50X	3/4	7/8-14	1.66	1.78	1 1/16	5.0
12-16 C50X	3/4	1 5/16-12	1.81	2.05	1 5/16	4.0
16 C50X	1	1 5/16-12	1.81	2.05	1 5/16	4.0
16-12 C50X	1	1 1/16-12	1.81	2.05	1 5/16	4.0
16-20 C50X	1	1 5/8-12	2.01	2.25	1 5/8	4.0
20 C50X	1 1/4	1 5/8-12	2.06	2.25	1 5/8	4.0
20-16 C50X	1 1/4	1 5/16-12	2.06	2.25	1 5/8	4.0
20-24 C50X	1 1/4	1 7/8-12	2.20	2.39	1 7/8	3.0
24 C50X	1 1/2	1 7/8-12	2.33	2.39	1 7/8	3.0
24-20 C50X	1 1/2	1 5/8-12	2.33	2.39	1 7/8	3.0
32 C50X	2	2 1/2-12	3.06	2.89	2 1/2	2.0

F50X

Straight Thread Connector
37° Flare / SAE-ORB

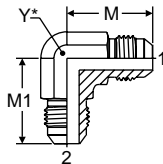


SAE 070120
HPD Base # 0503

TUBE FITTING PART #	END SIZE		C4 HEX (in.)	L5 (in.)	STANDARD
	1 (in.)	2 UN/UNF-2A			Dynamic Pressure
					(x 1,000 PSI)
4 F50X	1/4	7/16-20	9/16	1.23	7.5
4-6 F50X	1/4	9/16-18	11/16	1.28	6.0
6 F50X	3/8	9/16-18	11/16	1.30	6.0
6-4 F50X	3/8	7/16-20	5/8	1.27	6.0
6-8 F50X	3/8	3/4-16	7/8	1.38	6.0
8 F50X	1/2	3/4-16	7/8	1.48	6.0
8-6 F50X	1/2	9/16-18	13/16	1.44	6.0
8-10 F50X	1/2	7/8-14	1	1.59	5.0
10 F50X	5/8	7/8-14	1	1.70	5.0
10-6 F50X	5/8	9/16-18	11/16	1.71	5.0
10-8 F50X	5/8	3/4-16	15/16	1.64	5.0
10-12 F50X	5/8	1 1/16-12	1 1/4	1.86	5.0
12 F50X	3/4	1 1/16-12	1 1/4	1.97	5.0
12-10 F50X	3/4	7/8-14	1 1/8	1.88	5.0
12-16 F50X	3/4	1 5/16-12	1 1/2	1.99	4.5
16 F50X	1	1 5/16-12	1 1/2	2.05	4.5
16-12 F50X	1	1 1/16-12	1 3/8	1.99	4.5
20 F50X	1 1/4	1 5/8-12	1 7/8	2.17	4.0
20-16 F50X	1 1/4	1 5/16-12	1 11/16	2.33	4.0
20-24 F50X	1 1/4	1 7/8-12	2 1/8	2.24	3.0
24 F50X	1 1/2	1 7/8-12	2 1/8	2.38	3.0
32 F50X	2	2 1/2-12	2 3/4	2.78	2.0

ETX

Union Elbow
37° Flare / 37° Flare



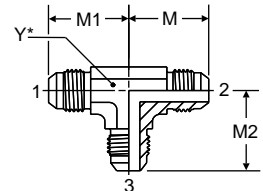
Y* – Across wrench flats

SAE 070201
HPD Base # 2303

TUBE FITTING PART #	END SIZE		M (in.)	M1 (in.)	Y (in.)	STANDARD
	1 (in.)	2 (in.)				Dynamic Pressure
						(x 1,000 PSI)
4 ETX	1/4	1/4	0.89	0.89	7/16	7.5
6 ETX	3/8	3/8	1.06	1.06	9/16	6.0
8 ETX	1/2	1/2	1.25	1.25	3/4	6.0
10 ETX	5/8	5/8	1.45	1.45	7/8	5.0
12 ETX	3/4	3/4	1.66	1.66	1 1/16	5.0
16 ETX	1	1	1.81	1.81	1 5/16	4.0
20 ETX	1 1/4	1 1/4	2.06	2.06	1 5/8	4.0
24 ETX	1 1/2	1 1/2	2.33	2.33	1 7/8	3.0
32 ETX	2	2	3.06	3.06	2 1/2	2.0

JTX

Union Tee
37° Flare (all three ends)



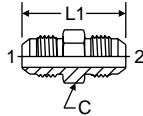
Y* – Across wrench flats

SAE 070401
HPD Base # 033T

TUBE FITTING PART #	END SIZE			M (in.)	M1 (in.)	M2 (in.)	Y (in.)	STANDARD
	1 (in.)	2 (in.)	3 (in.)					Dynamic Pressure
								(x 1,000 PSI)
4 JTX	1/4	1/4	1/4	0.89	0.89	0.89	7/16	7.5
6 JTX	3/8	3/8	3/8	1.06	1.06	1.06	9/16	6.0
8 JTX	1/2	1/2	1/2	1.25	1.25	1.25	3/4	6.0
10 JTX	5/8	5/8	5/8	1.45	1.45	1.45	7/8	5.0
12 JTX	3/4	3/4	3/4	1.66	1.66	1.66	1 1/16	5.0
16 JTX	1	1	1	1.81	1.81	1.81	1 5/16	4.0
20 JTX	1 1/4	1 1/4	1 1/4	2.06	2.06	2.06	1 5/8	4.0
24 JTX	1 1/2	1 1/2	1 1/2	2.33	2.33	2.33	1 7/8	3.0
32 JTX	2	2	2	3.06	3.06	3.06	2 1/2	2.0

HTX

Union
37° Flare / 37° Flare

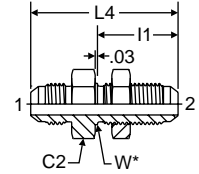


SAE 070101
HPD Base # 0303

TUBE FITTING PART #	END SIZE		C HEX (in.)	L1 (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 (in.)	2 (in.)			-S
4 HTX	1/4	1/4	1/2	1.38	7.5
6 HTX	3/8	3/8	5/8	1.41	6.0
8 HTX	1/2	1/2	13/16	1.62	6.0
10 HTX	5/8	5/8	15/16	1.88	5.0
12 HTX	3/4	3/4	1 1/8	2.16	5.0
16 HTX	1	1	1 3/8	2.25	4.0
20 HTX	1 1/4	1 1/4	1 11/16	2.44	4.0
24 HTX	1 1/2	1 1/2	2	2.75	3.0
32 HTX	2	2	2 5/8	3.41	2.0

WTX

Bulkhead Union
37° Flare / 37° Flare



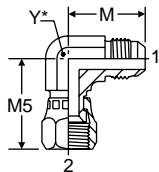
SAE 070601
HPD Base # 0353
WTX-WLN – Body with locknut

W* – Bulkhead pilot dia. recommended clearance hole +.015 over W dia.

TUBE FITTING PART #	END SIZE	C2 HEX (in.)	I1 (in.)	L4 (in.)	W DIA. (in.)	MAX. BULKHEAD WALL THICKNESS (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	2 (in.)						-S
4 WTX	1/4	11/16	1.20	2.08	0.44	0.33	7.5
6 WTX	3/8	13/16	1.28	2.19	0.56	0.42	6.0
8 WTX	1/2	1	1.44	2.44	0.75	0.44	6.0
10 WTX	5/8	1 1/8	1.58	2.75	0.88	0.43	5.0
12 WTX	3/4	1 3/8	1.75	3.09	1.06	0.44	5.0
16 WTX	1	1 5/8	1.75	3.14	1.31	0.39	4.0

C6X

Swivel Nut Elbow
37° Flare / 37° Swivel



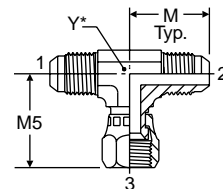
SAE 070221
HPD Base # 3903

Y* – Across wrench flats

TUBE FITTING PART #	END SIZE	M (in.)	M5 (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 & 2 (in.)				-S
4 C6X	1/4	0.89	1.00	7/16	7.5
6 C6X	3/8	1.06	1.25	9/16	5.0
8 C6X	1/2	1.25	1.38	3/4	5.0
10 C6X	5/8	1.45	1.62	7/8	5.0
12 C6X	3/4	1.66	1.75	1 3/16	5.0
16 C6X	1	1.81	2.00	1 5/16	3.6
20 C6X	1 1/4	2.06	2.31	1 5/8	3.6
24 C6X	1 1/2	2.33	2.59	1 7/8	2.5
32 C6X	2	3.06	3.51	2 1/2	1.5

S6X

Swivel Nut Branch Tee
37° Flare / 37° Flare / 37° Swivel



SAE 070433
HPD Base # 393T

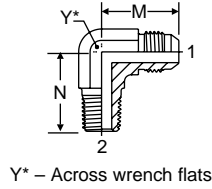
Y* – Across wrench flats

TUBE FITTING PART #	END SIZE	M (in.)	M5 (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 - 3 (in.)				-S
4 S6X	1/4	0.89	1.00	7/16	7.5
6 S6X	3/8	1.06	1.25	9/16	5.0
8 S6X	1/2	1.25	1.38	3/4	5.0
10 S6X	5/8	1.45	1.62	7/8	5.0
12 S6X	3/4	1.66	1.75	1 1/16	5.0
14 S6X	7/8	1.80	1.78	1 5/16	4.0
16 S6X	1	1.81	2.00	1 5/16	3.6
20 S6X	1 1/4	2.06	2.31	1 5/8	3.6
24 S6X	1 1/2	2.33	2.67	1 7/8	2.5

CTX

Male Elbow
37° Flare / NPTF

SAE 070202
HPD Base # 2103



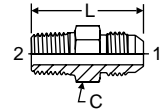
Y* – Across wrench flats

TUBE FITTING PART #	END SIZE		M (in.)	N (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI) -S
	1 (in.)	2 NPTF				
4 CTX	1/4	1/8-27	0.89	0.78	7/16	6.0
4-4 CTX	1/4	1/4-18	1.05	1.09	9/16	6.0
6 CTX	3/8	1/4-18	1.06	1.09	9/16	6.0
6-6 CTX	3/8	3/8-18	1.14	1.22	3/4	6.0
6-8 CTX	3/8	1/2-14	1.22	1.47	7/8	6.0
6-12 CTX	3/8	3/4-14	1.31	1.59	1 1/16	4.0
8 CTX	1/2	3/8-18	1.25	1.22	3/4	6.0
8-8 CTX	1/2	1/2-14	1.33	1.47	7/8	6.0
10 CTX	5/8	1/2-14	1.45	1.47	7/8	5.0
12 CTX	3/4	3/4-14	1.66	1.59	1 1/16	4.0
12-8 CTX	3/4	1/2-14	1.66	1.59	1 1/16	5.0
16 CTX	1	1-11 1/2	1.81	1.97	1 5/16	3.0
16-12 CTX	1	3/4-14	1.81	1.78	1 5/16	4.0
16-20 CTX	1	1 1/4-11 1/2	2.13	2.38	1 5/8	2.5
20 CTX	1 1/4	1 1/4-11 1/2	2.06	2.38	1 5/8	2.5
24 CTX	1 1/2	1 1/2-11 1/2	2.33	2.64	1 7/8	2.5
32 CTX	2	2-11 1/2	3.06	3.00	2 1/2	2.0

FTX

Male Connector
37° Flare / NPTF

SAE 070102
HPD Base # 0103

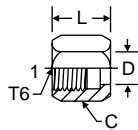


TUBE FITTING PART #	END SIZE		C HEX (in.)	L (in.)	STANDARD Dynamic Pressure (x 1,000 PSI) -S
	1 (in.)	2 NPTF			
4 FTX	1/4	1/8-27	1/2	1.22	6.0
4-4 FTX	1/4	1/4-18	9/16	1.42	6.0
6 FTX	3/8	1/4-18	5/8	1.43	6.0
6-6 FTX	3/8	3/8-18	3/4	1.44	6.0
6-8 FTX	3/8	1/2-14	7/8	1.69	6.0
8 FTX	1/2	3/8-18	13/16	1.53	6.0
8-8 FTX	1/2	1/2-14	7/8	1.78	6.0
10 FTX	5/8	1/2-14	15/16	1.89	5.0
12 FTX	3/4	3/4-14	1 1/8	2.06	5.0
12-8 FTX	3/4	1/2-14	1 1/8	2.06	5.0
16 FTX	1	1-11 1/2	1 3/8	2.30	4.5
16-12 FTX	1	3/4-14	1 3/8	2.11	4.5
20 FTX	1 1/4	1 1/4-11 1/2	1 11/16	2.45	3.0
24 FTX	1 1/2	1 1/2-11 1/2	2	2.67	3.0
32 FTX	2	2-11 1/2	2 5/8	3.11	2.0

BTX

Nut
37° Flare

SAE 070110
HPD Base # 06B1

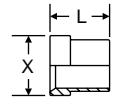


TUBE FITTING PART #	END SIZE		T6 UN/UNF-2B	C HEX (in.)	D (in.)	L (in.)	STANDARD FROM STOCK -S
	1 in. / (mm)	2					
4 BTX	1/4, (6)		7/16-20	9/16	0.31	0.62	<
6 BTX	3/8, (10)		9/16-18	11/16	0.44	0.73	<
8 BTX	1/2, (12)		3/4-16	7/8	0.57	0.85	<
10 BTX	5/8, (14, 15, 16)		7/8-14	1	0.70	0.98	<
12 BTX	3/4, (18)		1 1/16-12	1 1/4	0.84	1.03	<
16 BTX	1, (25)		1 5/16-12	1 1/2	1.09	1.13	<
20 BTX	1 1/4, (28, 30, 32)		1 5/8-12	2	1.35	1.23	<
24 BTX	1 1/2, (35, 38)		1 7/8-12	2 1/4	1.62	1.42	<
32 BTX	2, (42, 50)		2 1/2-12	2 7/8	2.17	1.75	<

TX (inch)

Sleeve
37° Flare

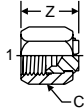
HPD Base # 06S



TUBE FITTING PART #	TUBE O.D. (in.)	L (in.)	X (in.)	STANDARD FROM STOCK -S
4 TX	1/4	0.41	0.38	<
6 TX	3/8	0.50	0.50	<
8 TX	1/2	0.56	0.68	<
10 TX	5/8	0.66	0.80	<
12 TX	3/4	0.69	0.97	<
16 TX	1	0.78	1.22	<
20 TX	1 1/4	0.91	1.53	<
24 TX	1 1/2	1.13	1.78	<
32 TX	2	1.19	2.41	<

FNTX

Cap
37° Flare

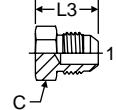


SAE 070112
HPD Base # 06CP

TUBE FITTING PART #	END SIZE 1 (in.)	C HEX (in.)	Z (in.)	STANDARD
				Dynamic Pressure (x 1,000 PSI)
-S				
4 FNTX	1/4	9/16	0.67	7.5
6 FNTX	3/8	11/16	0.81	6.0
8 FNTX	1/2	7/8	0.94	6.0
10 FNTX	5/8	1	1.07	5.0
12 FNTX	3/4	1 1/4	1.24	5.0
16 FNTX	1	1 1/2	1.29	4.5
20 FNTX	1 1/4	2	1.39	4.0
24 FNTX	1 1/2	2 1/4	1.70	4.0
32 FNTX	2	2 7/8	2.01	2.0

PNTX

Plug
37° Flare

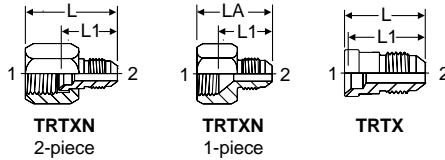


SAE 070109
HPD Base # 03CP

TUBE FITTING PART #	END SIZE 1 (in.)	C HEX (in.)	L3 (in.)	STANDARD
				Dynamic Pressure (x 1,000 PSI)
-S				
4 PNTX	1/4	1/2	0.80	7.5
6 PNTX	3/8	5/8	0.84	6.0
8 PNTX	1/2	13/16	0.94	6.0
10 PNTX	5/8	15/16	1.10	5.0
12 PNTX	3/4	1 1/8	1.28	5.0
16 PNTX	1	1 3/8	1.33	4.5
20 PNTX	1 1/4	1 11/16	1.45	4.0
24 PNTX	1 1/2	2	1.66	4.0
32 PNTX	2	2 5/8	2.05	2.0

TRTX / TRTXN

Reducer
37° Flare



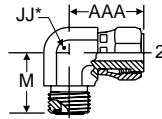
SAE 070123 / SAE 070123A
HPD Base # 0603

TUBE FITTING PART #			END SIZE		L (TRTX) (in.)	LA (TRTXN) (in.)	L1 (TRTXN / TRTX) (in.)	STANDARD
TRTXN 2-pc. Design (with Large Nut)	TRTXN 1-pc. Design (Machined Female)	TRTX Reducer Insert (For 2-pc. Design Only)	1 (in.)	2 (in.)				Dynamic Pressure (x 1,000 PSI)
-S								
6-4 TRTXN	-	6-4 TRTX	3/8	1/4	0.97	1.40	0.90	6.0
8-4 TRTXN	-	8-4 TRTX	1/2	1/4	1.00	1.50	0.91	6.0
8-6 TRTXN	-	8-6 TRTX	1/2	3/8	1.00	1.50	0.91	6.0
10-4 TRTXN	-	10-4 TRTX	5/8	1/4	1.03	1.61	0.95	5.0
10-6 TRTXN	-	10-6 TRTX	5/8	3/8	1.03	1.61	0.95	5.0
12-6 TRTXN	-	12-6 TRTXN	3/4	3/8	1.09	1.69	0.98	5.0
12-8 TRTXN	-	12-8 TRTXN	3/4	1/2	1.19	1.79	1.08	5.0
16-8 TRTXN	-	16-8 TRTX	1	1/2	1.27	1.95	1.15	4.0
16-12 TRTXN	-	16-12 TRTX	1	3/4	1.47	2.15	1.36	4.0
20-16 TRTXN	-	20-16 TRTX	1 1/4	1	1.59	2.30	1.44	4.0
24-16 TRTXN	-	24-16 TRTX	1 1/2	1	1.63	2.46	1.43	3.0

C6LO

Swivel Nut Elbow
ORFS / ORFS Swivel

SAE 520221



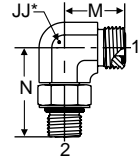
* JJ – Across
Wrench Flats

TUBE FITTING PART #	END SIZE		AAA (in.)	JJ (in.)	M (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 (in.)	2 (in.)				
	S					
4 C6LO	1/4	1/4	1.07	9/16	0.85	9.2
6 C6LO	3/8	3/8	1.17	3/4	0.98	9.2
8 C6LO	1/2	1/2	1.49	3/4	1.10	9.2
10 C6LO	5/8	5/8	1.65	1 1/16	1.31	6.0
12 C6LO	3/4	3/4	1.82	1 3/16	1.47	6.0
16 C6LO	1	1	2.10	1 7/16	1.64	6.0
20 C6LO	1 1/4	1 1/4	2.29	1 5/8	1.76	5.0
24 C6LO	1 1/2	1 1/2	2.41	1 7/8	1.92	4.0

C5OLO

Straight Thread Elbow
ORFS / SAE-ORB

SAE 520220



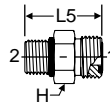
* JJ – Across
Wrench Flats

TUBE FITTING PART #	END SIZE		JJ (in.)	M (in.)	N (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 (in.)	2 UN/UNF-2A				
	S					
4 C5OLO	1/4	7/16-20	9/16	0.85	1.29	6.0
4-6 C5OLO***	1/4	9/16-18	9/16	0.92	1.45	6.0
6 C5OLO	3/8	9/16-18	3/4	0.98	1.45	6.0
6-4 C5OLO	3/8	7/16-20	3/4	0.98	1.37	6.0
6-8 C5OLO	3/8	3/4-16	3/4	1.04	1.60	6.0
8 C5OLO	1/2	3/4-16	3/4	1.10	1.60	6.0
8-6 C5OLO	1/2	9/16-18	3/4	1.10	1.44	6.0
10 C5OLO	5/8	7/8-14	1 1/16	1.31	1.97	6.0
10-8 C5OLO	5/8	3/4-16	1 1/16	1.31	1.80	6.0
12 C5OLO	3/4	1 1/16-12	1 3/16	1.47	2.17	6.0
12-10 C5OLO	3/4	7/8-14	1 3/16	1.47	2.01	6.0
16 C5OLO	1	1 5/16-12	1 7/16	1.64	2.35	5.5
20 C5OLO	1 1/4	1 5/8-12	1 5/8	1.76	2.45	4.0
20-16 C5OLO	1 1/4	1 5/16-12	1 5/8	1.76	2.42	4.0
24 C5OLO	1 1/2	1 7/8-12	1 7/8	1.92	2.59	4.0

F5OLO

Straight Thread Connector
ORFS / SAE-ORB

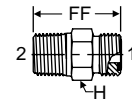
SAE 520120



TUBE FITTING PART #	END SIZE		H HEX (in.)	L5 (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 (in.)	2 UN/UNF-2A			
	S				
4 F5OLO	1/4	7/16-20	5/8	1.13	9.2
4-6 F5OLO	1/4	9/16-18	3/4	1.20	9.2
6 F5OLO	3/8	9/16-18	3/4	1.25	9.2
6-4 F5OLO	3/8	7/16-20	3/4	1.34	9.2
6-8 F5OLO	3/8	3/4-16	7/8	1.38	9.2
8 F5OLO	1/2	3/4-16	7/8	1.44	9.2
8-6 F5OLO	1/2	9/16-18	7/8	1.47	6.0
10 F5OLO	5/8	7/8-14	1 1/16	1.70	6.0
10-8 F5OLO	5/8	3/4-16	1 1/16	1.78	6.0
12 F5OLO	3/4	1 1/16-12	1 1/4	1.92	6.0
12-10 F5OLO	3/4	7/8-14	1 1/4	1.99	6.0
16 F5OLO	1	1 5/16-12	1 1/2	1.98	6.0
20 F5OLO	1 1/4	1 5/8-12	1 7/8	2.06	6.0
20-16 F5OLO	1 1/4	1 5/16-12	1 7/8	2.28	6.0
24 F5OLO	1 1/2	1 7/8-12	2 1/8	2.13	5.0

FLO

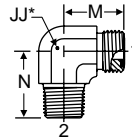
Male Pipe Connector
ORFS / NPTF



TUBE FITTING PART #	END SIZE		FF (in.)	H HEX (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 (in.)	2 NPTF			
	S				
4 FLO	1/4	1/8-27	1.07	5/8	6.0
4-4 FLO	1/4	1/4-18	1.26	5/8	6.0
4-6 FLO	1/4	3/8-18	1.32	3/4	6.0
6 FLO	3/8	1/4-18	1.25	3/4	6.0
6-6 FLO	3/8	3/8-18	1.34	3/4	6.0
6-8 FLO	3/8	1/2-14	1.55	7/8	6.0
8 FLO	1/2	3/8-18	1.48	7/8	6.0
8-8 FLO	1/2	1/2-14	1.64	7/8	6.0
10 FLO	5/8	1/2-14	1.82	1 1/16	6.0
12 FLO	3/4	3/4-14	1.93	1 1/4	5.5
16 FLO	1	1-11 1/2	2.19	1 1/2	4.5
20 FLO	1 1/4	1 1/4-11 1/2	2.30	1 7/8	3.0
24 FLO	1 1/2	1 1/2-11 1/2	2.40	2 1/8	3.0

CLO

Straight Thread Elbow
ORFS / NPTF

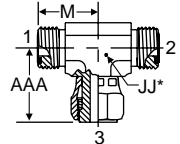


* JJ – Across Wrench Flats

TUBE FITTING PART #	END SIZE		JJ (in.)	M (in.)	N (in.)	STANDARD Dynamic Pressure (x 1,000 PSI) S
	1 (in.)	2 NPTF				
4 CLO	1/4	1/8-27	9/16	0.85	0.80	6.0
4-4 CLO	1/4	1/4-18	9/16	0.85	1.12	6.0
6 CLO	3/8	1/4-18	3/4	0.98	1.09	6.0
6-6 CLO	3/8	3/8-18	3/4	0.98	1.22	6.0
6-8 CLO	3/8	1/2-14	7/8	1.15	1.47	6.0
8 CLO	1/2	3/8-18	3/4	1.10	1.22	6.0
8-8 CLO	1/2	1/2-14	7/8	1.10	1.47	6.0
10 CLO	5/8	1/2-14	1 1/16	1.31	1.47	6.0
12 CLO	3/4	3/4-14	1 3/16	1.47	1.59	4.0
16 CLO	1	1-11 1/2	1 7/16	1.64	1.97	3.0
20 CLO	1 1/4	1 1/4-11 1/2	1 5/8	1.76	2.38	2.5
24 CLO	1 1/2	1 1/2-11 1/2	1 7/8	1.92	2.64	2.5

S6LO

Swivel Nut Branch Tee
ORFS / ORFS / ORFS Swivel



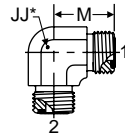
* JJ – Across Wrench Flats

SAE 520433

TUBE FITTING PART #	END SIZE 1-3 (in.)	AAA (in.)	JJ (in.)	M (in.)	STANDARD Dynamic Pressure (x 1,000 PSI) S
6 S6LO	3/8	1.17	3/4	0.98	9.2
8 S6LO	1/2	1.49	3/4	1.10	9.2
10 S6LO	5/8	1.65	1 1/16	1.31	6.0
12 S6LO	3/4	1.82	1 3/16	1.47	6.0
16 S6LO	1	2.10	1 7/16	1.64	6.0
20 S6LO	1 1/4	2.29	1 5/8	1.76	5.0
24 S6LO	1 1/2	2.41	1 7/8	1.92	4.0

ELO

Union Elbow
ORFS / ORFS



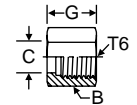
* JJ – Across Wrench Flats

SAE 520201

TUBE FITTING PART #	END SIZE		JJ (in.)	M (in.)	STANDARD Dynamic Pressure (x 1,000 PSI) S
	1 (in.)	2 (in.)			
4 ELO	1/4	1/4	9/16	0.85	9.2
6 ELO	3/8	3/8	3/4	0.98	9.2
8 ELO	1/2	1/2	3/4	1.10	9.2
10 ELO	5/8	5/8	1 1/16	1.31	6.0
12 ELO	3/4	3/4	1 3/16	1.47	6.0
16 ELO	1	1	1 7/16	1.64	6.0
20 ELO	1 1/4	1 1/4	1 5/8	1.76	5.0
24 ELO	1 1/2	1 1/2	1 7/8	1.92	4.0

BL

Tube Nut
ORFS



SAE 520110

TUBE FITTING PART #	TUBE O.D. (in.)	T6 UNF/UNF-2B	B HEX (in.)	C (in.)	G (in.)	STANDARD From Stock
						S
4 BL	1/4	9/16-18	11/16	0.41	0.58	.
6 BL	3/8	11/16-16	13/16	0.53	0.67	.
8 BL	1/2	13/16-16	15/16	0.65	0.83	.
10 BL	5/8	1-14	1 1/8	0.83	0.93	.
12 BL	3/4	1 3/16-12	1 3/8	0.95	1.02	.
16 BL	1	1 7/16-12	1 5/8	1.14	1.10	.
20 BL	1 1/4	1 11/16-12	1 7/8	1.42	1.10	.
24 BL	1 1/2	2-12	2 1/4	1.73	1.10	.
32 BL*	2	2 1/2-2	2 7/8	2.22	1.30	.

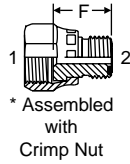
* Size 32 is not included in SAE J1453.

** These tube nuts should not be exposed to annealing temperatures, such as furnace brazing. Contact the Tube Fittings Division for information on special nuts.

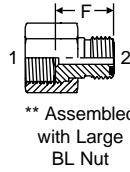
TRLON

Tube End Reducer
ORFS Swivel / ORFS Tube End

SAE 520123 (body only)
SAE 520123A (body with large nut)



* Assembled with Crimp Nut



** Assembled with Large BL Nut

TUBE FITTING PART #	END SIZE		F (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 (in.)	2 (in.)		
6-4 TRLON*	3/8	1/4	0.77	9.2
8-4 TRLON**	1/2	1/4	0.86	9.2
8-6 TRLON*	1/2	3/8	0.88	9.2
10-4 TRLON**	5/8	1/4	0.90	6.0
10-6 TRLON**	5/8	3/8	0.95	6.0
12-6 TRLON**	3/4	3/8	1.03	6.0
12-8 TRLON**	3/4	1/2	1.09	6.0
16-8 TRLON**	1	1/2	1.15	6.0
16-12 TRLON*	1	3/4	1.30	6.0
20-12 TRLON**	1 1/4	3/4	1.32	5.0
20-16 TRLON*	1 1/4	1	1.51	5.0
24-16 TRLON**	1 1/2	1	1.23	4.0
24-20 TRLON**	1 1/2	1 1/4	1.35	4.0

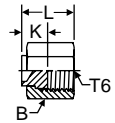
* Assembled with crimp nut.

** Assembled with large BL nut. To order reducer without large nut, remove the "N" from the part number (i.e., TRLO).

FNL

Cap
ORFS

SAE 520112



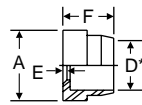
TUBE FITTING PART #	TUBE O.D. (in.)	T6 SWIVEL UN/UNF-2B	B HEX (in.)	K (in.)	L (in.)	STANDARD From Stock
						S
4 FNL	1/4	9/16-18	11/16	0.34	0.65	9.2
6 FNL	3/8	11/16-18	13/16	0.39	0.76	9.2
8 FNL	1/2	13/16-18	15/16	0.45	0.88	9.2
10 FNL	5/8	1-14	1 1/8	0.51	1.04	6.0
12 FNL	3/4	1 3/16-12	1 3/8	0.57	1.14	6.0
16 FNL	1	1 7/16-12	1 5/8	0.61	1.18	6.0
20 FNL	1 1/4	1 11/16-12	1 7/8	0.61	1.18	6.0
24 FNL	1 1/2	2-12	2 1/4	0.61	1.18	5.0
32 FNL*	2	2 1/2-12	2 7/8	0.80	1.47	3.0

* Size 32 is not included in SAE J1453.

TL

Braze Sleeve for Inch Tubing
ORFS Silver Braze Sleeve

SAE 520115



TUBE FITTING PART #	TUBE O.D. (in.)	A DIA. (in.)	D* (in.)	E (in.)	F (in.)	STANDARD From Stock
						S
4 TL	1/4	0.50	0.26	0.04	0.37	.
6 TL	3/8	0.62	0.38	0.04	0.37	.
8 TL	1/2	0.75	0.51	0.04	0.37	.
10 TL	5/8	0.92	0.63	0.06	0.41	.
12 TL	3/4	1.10	0.76	0.06	0.55	.
16 TL	1	1.35	1.01	0.06	0.61	.
20 TL	1 1/4	1.60	1.26	0.06	0.61	.
24 TL	1 1/2	1.91	1.51	0.06	0.61	.
32 TL**	2	2.41	2.01	0.06	0.65	.

Unplated part, oil dipped for corrosion protection.

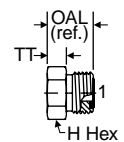
* D is for silver brazing.

** Size 32 is not included in SAE J1453.

PNLO

Plug
ORFS

SAE 520109

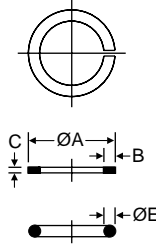


TUBE FITTING PART #	END SIZE 1 (in.)	H HEX (in.)	OAL (REF.) (in.)	TT (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
					S
4 PNLO	1/4	5/8	0.66	0.20	9.2
6 PNLO	3/8	3/4	0.76	0.32	9.2
8 PNLO	1/2	7/8	0.86	0.35	9.2
10 PNLO	5/8	1 1/16	1.02	0.41	6.0
12 PNLO	3/4	1 1/4	1.08	0.41	6.0
16 PNLO	1	1 1/2	1.10	0.41	6.0
20 PNLO	1 1/4	1 3/4	1.10	0.41	6.0
24 PNLO	1 1/2	2 1/8	1.10	0.41	5.0

SBR

Silver Braze Ring for Inch Tubing

TUBE FITTING PART #	TUBE O.D. (in.)	A DIA. (in.)	B (in.)	C (in.)	E (in.)	STANDARD From Stock
						S
4 SBR	1/4	0.260	—	—	0.05	.
6 SBR	3/8	0.390	0.07	0.03	—	.
8 SBR	1/2	0.515	0.07	0.03	—	.
10 SBR	5/8	0.640	0.07	0.03	—	.
12 SBR	3/4	0.765	0.08	0.04	—	.
16 SBR	1	1.015	0.08	0.04	—	.
20 SBR	1 1/4	1.265	0.08	0.04	—	.
24 SBR	1 1/2	1.515	0.08	0.04	—	.
32 SBR	2	2.015	—	—	0.09	.



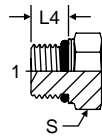
SBR recommended for steel or copper tubing.

SBR-SS recommended for stainless tubing, but can be used on steel tubing.

Contact the Tube Fittings Division for braze rings used in marine or special applications.

P87OMN

ISO 6149 Hex Head Plug
ISO 6149
(for ISO 6149-1 Port)



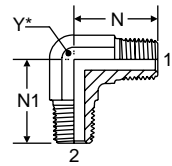
SAE J2244-4* 62M0109A

TUBE FITTING PART #	END SIZE		L4 (mm)	S HEX (mm)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 Metric Thd.	2			-S
M10P87OMN	M10X1		8.5	14	8.0
M12P87OMN	M12X1.5		11	17	9.0
M14P87OMN	M14X1.5		11	19	9.0
M16P87OMN	M16X1.5		11.5	22	9.0
M18P87OMN	M18X1.5		12.5	24	9.0
M22P87OMN	M22X1.5		13	27	6.0
M27P87OMN	M27X2		16	32	6.0
M42P87OMN	M42X2		16	50	4.0

CR

Male Pipe Elbow
NPTF / NPTF

SAE 140237*



* Y – Across Wrench Flats

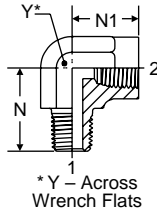
TUBE FITTING PART #	END SIZE		N (in.)	N1 (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 NPTF	2 NPTF				-S
1/8 CR	1/8-27	1/8-27	0.78	0.78	7/16	6.0
1/4 CR	1/4-18	1/4-18	1.09	1.09	9/16	6.0
3/8 CR	3/8-18	3/8-18	1.22	1.22	3/4	6.0
1/2 CR	1/2-14	1/2-14	1.47	1.47	7/8	6.0
3/4 CR	3/4-14	3/4-14	1.59	1.59	1 1/16	4.0
1 CR	1-11 1/2	1-11 1/2	1.97	1.97	1 5/8	3.0
1 1/4 CR	1 1/4-11 1/2	1 1/4-11 1/2	2.22	2.22	1 7/8	2.5
1 1/2 CR	1 1/2-11 1/2	1 1/2-11 1/2	2.34	2.34	1 7/8	2.5

* Not shown in SAE J514, but coded per SAE J846.

CD

Street Elbow
NPTF / NPTF

SAE 140239
HPD Base # 2102

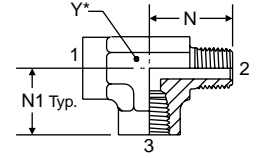


TUBE FITTING PART #	END SIZE		N (in.)	N1 (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 NPTF	2 NPTF				-S
	1/8 x 1/4 CD	1/8-27				1/4-18	0.90	0.88	9/16	5.0
1/8 CD	1/8-27	1/8-27	0.78	0.66	9/16	5.0
1/4 x 1/8 CD	1/4-18	1/8-27	1.09	0.66	9/16	5.0
1/4 x 1/2 CD	1/4-18	1/2-14	1.28	1.23	1 1/16	
1/4 x 3/8 CD	1/4-18	3/8-18	1.22	1.01	7/8	4.5
1/4 CD	1/4-18	1/4-18	1.09	0.88	3/4	5.0
3/8 x 1/4 CD	3/8-18	1/4-18	1.22	0.88	3/4	5.0
3/8 x 1/2 CD	3/8-18	1/2-14	1.28	1.23	1 1/16	3.0
3/8 CD	3/8-18	3/8-18	1.22	1.02	7/8	4.5
1/2 x 3/8 CD	1/2-14	3/8-18	1.48	1.25	7/8	4.5
1/2 x 3/4 CD	1/2-14	3/4-14	1.58	1.36	15/16	3.0
1/2 CD	1/2-14	1/2-14	1.47	1.23	1 1/16	3.0
3/4 x 1/2 CD	3/4-14	1/2-14	1.59	1.23	1 1/16	3.0
3/4 CD	3/4-14	3/4-14	1.59	1.36	15/16	3.0
1 CD	1-11 1/2	1-11 1/2	1.97	1.63	1 5/8	1.8
1 1/4 CD	1 1/4-11 1/2	1 1/4-11 1/2	2.38	1.70	1 7/8	1.5
1 1/2 CD	1 1/2-11 1/2	1 1/2-11 1/2	2.64	2.08	2 1/2	1.5

MRO

Male Run Tee
NPTF (all three ends)

SAE 140424
HPD Base # 012T

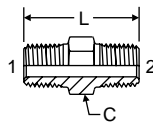


TUBE FITTING PART #	END SIZE		N (in.)	N1 (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1-3 NPTF	-S				
	1/8 MRO	1/8-27				0.78	0.66	9/16	5.0
1/4 MRO	1/4-18	1.09	0.88	3/4	5.0	
3/8 MRO	3/8-18	1.22	1.02	7/8	4.5	
1/2 MRO	1/2-14	1.47	1.23	1 1/16	3.0	
3/4 MRO	3/4-14	1.59	1.36	15/16	3.0	
1 MRO	1-11 1/2	1.97	1.63	1 5/8	1.8	
1 1/4 MRO	1 1/4-11 1/2	2.38	1.70	1 7/8	1.5	
1 1/2 MRO	1 1/2-11 1/2	2.64	2.08	2 1/2	1.5	

FF

Pipe Nipple
NPTF / NPTF

HPD Base # 0101

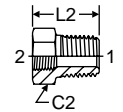


TUBE FITTING PART #	END SIZE		C HEX (in.)	L (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 NPTF	2 NPTF			-S
	1/8 FF	1/8-27			1/8-27	7/16	1.06	6.0
1/4 x 1/8 FF	1/4-18	1/8-27	5/8	1.25	6.0
1/4 FF	1/4-18	1/4-18	5/8	1.45	6.0
3/8 x 1/8 FF	3/8-18	1/8-27	3/4	1.45	6.0
3/8 x 1/4 FF	3/8-18	1/4-18	3/4	1.45	6.0
3/8 FF	3/8-18	3/8-18	3/4	1.45	6.0
1/2 x 1/8 FF	1/2-14	1/8-27	7/8	1.52	6.0
1/2 x 3/8 FF	1/2-14	3/8-18	7/8	1.70	6.0
1/2 x 1/4 FF	1/2-14	1/4-18	7/8	1.70	6.0
1/2 FF	1/2-14	1/2-14	7/8	1.89	6.0
3/4 x 1/2 FF	3/4-14	1/2-14	1 1/8	1.96	5.5
3/4 FF	3/4-14	3/4-14	1 1/8	1.96	5.5
1 x 3/4 FF	1-11 1/2	3/4-14	1 3/8	2.09	4.5
1 FF	1-11 1/2	1-11 1/2	1 3/8	2.34	4.5
1 1/4 x 1 FF	1 1/4-11 1/2	1-11 1/2	1 3/4	2.45	3.0
1 1/4 FF	1 1/4-11 1/2	1 1/4-11 1/2	1 3/4	2.48	3.0
1 1/2 x 1 FF	1 1/2-11 1/2	1-11 1/2	2	2.55	3.0
1 1/2 FF	1 1/2-11 1/2	1 1/2-11 1/2	2	2.61	3.0
2 FF	2-11 1/2	2-11 1/2	2 1/2	2.83	2.0

PTR

Pipe Thread Reducer
NPTF / NPTF

SAE 140140
HPD Base # 0102



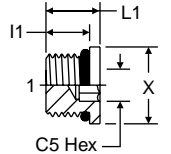
TUBE FITTING PART #	END SIZE		C2 HEX (in.)	L2 (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 NPTF	2 NPTF			-S
	1/4 x 1/8 PTR	1/4-18			1/8-27	5/8	0.85	6.0
3/8 x 1/8 PTR	3/8-18	1/8-27	3/4	0.85	6.0
3/8 x 1/4 PTR	3/8-18	1/4-18	3/4	0.85	6.0
1/2 x 1/8 PTR	1/2-14	1/8-27	7/8	1.10	6.0
1/2 x 1/4 PTR	1/2-14	1/4-18	7/8	1.10	6.0
1/2 x 3/8 PTR	1/2-14	3/8-18	7/8	1.10	6.0
3/4 x 1/4 PTR	3/4-14	1/4-18	1 1/8	1.17	5.5
3/4 x 3/8 PTR	3/4-14	3/8-18	1 1/8	1.17	5.5
1 x 1/4 PTR	1-11 1/2	1/4-18	1 3/8	1.36	4.5
1 x 3/8 PTR	1-11 1/2	3/8-18	1 3/8	1.36	4.5
1 x 1/2 PTR	1-11 1/2	1/2-14	1 3/8	1.36	4.5
1 x 3/4 PTR	1-11 1/2	3/4-14	1 3/8	1.36	4.0
1 1/4 x 1/2 PTR	1 1/4-11 1/2	1/2-14	1 3/4	1.47	3.0
1 1/4 x 3/4 PTR	1 1/4-11 1/2	3/4-14	1 3/4	1.47	3.0
1 1/4 x 1 PTR	1 1/4-11 1/2	1-11 1/2	1 3/4	1.47	3.0
1 1/2 x 3/4 PTR	1 1/2-11 1/2	3/4-14	2	1.57	3.0
1 1/2 x 1 PTR	1 1/2-11 1/2	1-11 1/2	2	1.57	3.0
1 1/2 x 1 1/4 PTR	1 1/2-11 1/2	1 1/4-11 1/2	2	1.57	2.5

Note: All "FF" fittings have a 30° chamfer for sealing with NPSM swivel type fittings.

HP50N

Hollow Hex Plug
SAE-ORB

SAE 090109B
HPD Base # 05HP



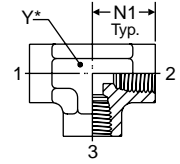
C5 – Across Internal Hex Flats

TUBE FITTING PART #	END SIZE 1 UN/UNF-2A	C5 HEX (in.)	I1 (in.)	L1 (in.)	X DIA. (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
						-S
2 HP50N	5/16-24	1/8	0.30	0.40	0.44	6.0
4 HP50N	7/16-20	3/16	0.36	0.47	0.56	6.0
6 HP50N	9/16-18	1/4	0.40	0.50	0.69	6.0
8 HP50N	3/4-16	5/16	0.44	0.58	0.88	6.0
10 HP50N	7/8-14	3/8	0.50	0.65	1.00	6.0
12 HP50N	1 1/16-12	9/16	0.59	0.77	1.25	6.0
16 HP50N	1 5/16-12	5/8	0.59	0.77	1.50	5.5
20 HP50N	1 5/8-12	3/4	0.59	0.77	1.88	4.0
24 HP50N	1 7/8-12	3/4	0.59	0.77	2.13	3.0
32 HP50N	2 1/2-12	3/4	0.59	0.77	2.75	2.0

MMO

Female Pipe Tee
NPTF (all three ends)

SAE 140438
HPD Base # 022T



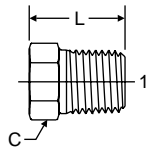
*Y – Across Wrench Flats

TUBE FITTING PART #	END SIZE 1-3 NPTF	N1 (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
				-S
1/8 MMO	1/8-27	0.66	9/16	5.0
1/4 MMO	1/4-18	0.88	3/4	5.0
3/8 MMO	3/8-18	1.02	7/8	4.5
1/2 MMO	1/2-14	1.23	1 1/16	3.0
3/4 MMO	3/4-14	1.36	1 5/16	3.0
1 MMO	1-11 1/2	1.63	1 5/8	1.8
1 1/4 MMO	1 1/4-11 1/2	1.70	1 7/8	1.5
1 1/2 MMO	1 1/2-11 1/2	2.08	2 1/2	1.5

HP

Hex Head Pipe Plug
NPTF

SAE 130109E
HPD Base # 01CP

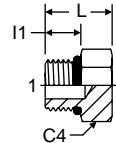


TUBE FITTING PART #	END SIZE 1 NPTF	C HEX (in.)	L (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
				-S
1/8 HP	1/8-27	7/16	0.56	6.0
1/4 HP	1/4-18	9/16	0.75	6.0
3/8 HP	3/8-18	11/16	0.78	6.0
1/2 HP	1/2-14	7/8	0.97	6.0
3/4 HP	3/4-14	1 1/16	1.06	5.5
1 HP	1-11 1/2	1 5/16	1.25	4.5
1 1/4 HP	1 1/4-11 1/2	1 3/4	1.41	3.0
1 1/2 HP	1 1/2-11 1/2	2	1.50	3.0
2 HP	2-11 1/2	2 1/2	1.69	2.0

P50N

Hex Head Plug
SAE-ORB

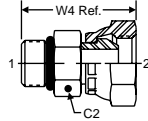
SAE 090109A
HPD Base # 05CP



TUBE FITTING PART #	END SIZE 1 UN/UNF-2A	C4 HEX (in.)	I1 (in.)	L (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
					-S
2 P50N	5/16-24	7/16	0.30	0.61	7.5
4 P50N	7/16-20	9/16	0.36	0.67	7.5
6 P50N	9/16-18	11/16	0.39	0.73	6.0
8 P50N	3/4-16	7/8	0.44	0.80	6.0
10 P50N	7/8-14	1	0.50	0.94	6.0
12 P50N	1 1/16-12	1 1/4	0.59	1.09	6.0
16 P50N	1 5/16-12	1 1/2	0.59	1.13	5.5
20 P50N	1 5/8-12	1 7/8	0.59	1.20	4.0
24 P50N	1 7/8-12	2 1/8	0.59	1.27	3.0
32 P50N	2 1/2-12	2 3/4	0.59	1.44	2.0

0507

Straight Thread Adapter
SAE-ORB / NPSM Swivel

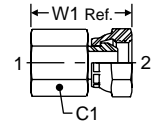


SAE 140157

TUBE FITTING PART #	END SIZE		C2 HEX BODY (in.)	W4 (in.)	STANDARD Dynamic Pressure (x1,000 PSI) -S
	1 UN/UNF-2A	2 NPSM			
0507-4-4	7/16-20	1/4-18	9/16	1.32	5.0
0507-6-4	9/16-18	1/4-18	11/16	1.35	4.0
0507-6-6	9/16-18	3/8-18	11/16	1.37	4.0
0507-6-8	9/16-18	1/2-14	3/4	1.57	3.5
0507-8-6	3/4-16	3/8-18	7/8	1.45	3.5
0507-8-8	3/4-16	1/2-14	7/8	1.56	3.5
0507-8-12	3/4-16	3/4-14	1	1.79	2.2
0507-10-8	7/8-14	1/2-14	1	1.73	3.5
0507-10-12	7/8-14	3/4-14	1 1/4	1.88	2.3
0507-12-8	1 1/16-12	1/2-14	1 1/4	1.88	2.2
0507-12-12	1 1/16-12	3/4-14	1 1/4	1.97	2.2
0507-16-16	1 5/16-12	1-11 1/2	1 1/2	2.12	2.0
0507-20-20	1 5/8-12	1 1/4-11 1/2	1 7/8	2.21	1.2

0207

Female Pipe Adapter
NPTF / NPSM Swivel

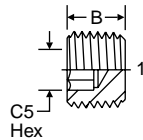


SAE 140131

TUBE FITTING PART #	END SIZE		C1 HEX (in.)	W1 (in.)	STANDARD Dynamic Pressure (x1,000 PSI) -S
	1 NPTF	2 NPSM			
0207-2-2	1/8-27	1/8-27	9/16	1.02	5.0
0207-4-4	1/4-18	1/4-18	11/16	1.43	5.0
0207-6-4	3/8-18	1/4-18	7/8	1.49	4.0
0207-6-6	3/8-18	3/8-18	7/8	1.51	4.0
0207-8-6	1/2-14	3/8-18	1	1.73	3.5
0207-8-8	1/2-14	1/2-14	1	1.79	3.5
0207-12-12	3/4-14	3/4-14	1 1/4	1.97	2.2
0207-16-16	1-11 1/2	1-11 1/2	1 1/2	2.37	2.0
0207-20-20	1 1/4-11 1/2	1 1/4-11 1/2	1 7/8	2.38	1.6
0207-24-24	1 1/2-11 1/2	1 1/2-11 1/2	2 1/8	2.42	1.2
0207-32-32	2-11 1/2	2-11 1/2	2 5/8	2.55	1.1

HHP

Hollow Hex Pipe Plug
NPTF



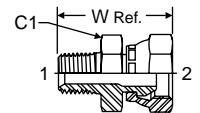
SAE 130109N
HPD Base # 01HP

C5 - Across Internal Hex Flats

TUBE FITTING PART #	END SIZE		C5 INTERNAL HEX (in.)	STANDARD Dynamic Pressure (x1,000 PSI) -S
	1 NPTF	B (in.)		
1/8 HHP	1/8-27	0.30	3/16	6.0
1/4 HHP	1/4-18	0.46	1/4	6.0
3/8 HHP	3/8-18	0.46	5/16	6.0
1/2 HHP	1/2-14	0.61	3/8	6.0
3/4 HHP	3/4-14	0.62	9/16	5.5
1 HHP	1-11 1/2	0.77	5/8	4.5

0107

Male Pipe Adapter
NPTF / NPSM Swivel



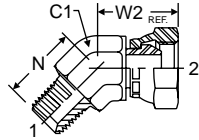
SAE 140130

TUBE FITTING PART #	END SIZE		C1 HEX (in.)	W (in.)	STANDARD Dynamic Pressure (x1,000 PSI) -S
	1 NPTF	2 NPSM			
0107-2-2	1/8-27	1/8-27	9/16	1.09	5.0
0107-2-4	1/8-27	1/4-18	5/8	1.24	5.0
0107-4-2	1/4-18	1/8-27	11/16	1.39	5.0
0107-4-4	1/4-18	1/4-18	11/16	1.43	5.0
0107-4-6	1/4-18	3/8-18	13/16	1.45	5.0
0107-4-8	1/4-18	1/2-14	15/16	1.44	3.5
0107-6-4	3/8-18	1/4-18	11/16	1.49	4.0
0107-6-6	3/8-18	3/8-18	7/8	1.51	4.0
0107-6-8	3/8-18	1/2-14	15/16	1.73	3.5
0107-8-4	1/2-14	1/4-18	1	2.27	5.0
0107-8-6	1/2-14	3/8-18	7/8	1.70	3.5
0107-8-8	1/2-14	1/2-14	1	1.91	3.5
0107-8-12	1/2-14	3/4-14	1 1/4	2.04	2.2
0107-12-8	3/4-14	1/2-14	1 1/8	1.91	2.2
0107-12-12	3/4-14	3/4-14	1 1/4	2.04	2.2
0107-12-16	3/4-14	1-11 1/2	1 1/2	2.17	2.0
0107-16-12	1-11 1/2	3/4-14	1 3/8	2.29	2.0
0107-16-16	1-11 1/2	1-11 1/2	1 1/2	2.37	2.0
0107-16-20	1-11 1/2	1 1/4-11 1/2	1 3/4	2.38	1.6
0107-20-16	1 1/4-11 1/2	1-11 1/2	1 7/8	2.46	1.6
0107-20-20	1 1/4-11 1/2	1 1/4-11 1/2	1 7/8	2.47	1.6
0107-24-24	1 1/2-11 1/2	1 1/2-11 1/2	2 1/8	2.61	1.2
0107-32-32	2-11 1/2	2-11 1/2	2 5/8	2.80	1.1

3107

45° Male Pipe Elbow
NPTF / NPSM Swivel

SAE 140330

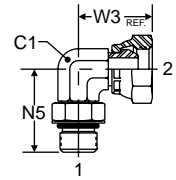


TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N (in.)	W2 (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 NPTF	2 NPSM				
	-S					
3107-2-2	1/8-27	1/8-27	7/16	0.52	0.77	5.0
3107-4-4	1/4-18	1/4-18	9/16	0.86	0.91	5.0
3107-6-6	3/8-18	3/8-18	3/4	0.95	1.10	4.0
3107-8-6	1/2-14	3/8-18	7/8	1.17	1.10	3.5
3107-8-8	1/2-14	1-2/14	7/8	1.17	1.17	3.5
3107-8-12	1/2-14	3/4-14	1 1/16	1.20	1.22	2.2
3107-12-8	3/4-14	1/2-14	1 1/16	1.20	1.23	2.2
3107-12-12	3/4-14	3/4-14	1 1/16	1.20	1.37	2.2
3107-16-12	1-11 1/2	3/4-14	1 5/16	1.48	1.47	2.0
3107-16-16	1-11 1/2	1-11 1/2	1 5/16	1.48	1.52	2.0
3107-20-20	1 1/4-11 1/2	1 1/4-11 1/2	1 5/8	1.67	1.61	1.6
3107-24-24	1 1/2-11 1/2	1 1/2-11 1/2	1 7/8	1.77	1.77	1.2
3107-32-32	2-11 1/2	2-11 1/2	2 1/2	2.11	1.89	1.1

2507

STraight Thread Adapter
SAE-ORB / NPSM Swivel

SAE 140257

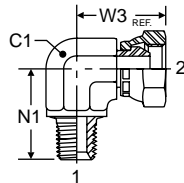


TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N5 (in.h)	W3 (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 UN/UNF-2A	2 NPSM				
	-S					
2507-4-4	7/16-20	1/4-18	7/16	1.03	0.97	5.0
2507-6-4	9/16-18	1/4-18	9/16	1.25	1.06	4.0
2507-6-6	9/16-18	3/8-18	9/16	1.25	1.10	4.0
2507-6-8	9/16-18	1/2-14	3/4	1.41	1.29	3.5
2507-8-6	3/4-16	3/8-18	3/4	1.45	1.19	3.5
2507-8-8	3/4-16	1/2-14	3/4	1.45	1.33	3.5
2507-8-12	3/4-16	3/4-14	3/4	1.62	1.65	2.2
2507-10-6	7/8-14	3/8-18	7/8	1.70	1.26	4.0
2507-10-8	7/8-14	1/2-14	7/8	1.70	1.40	3.5
2507-10-12	7/8-14	3/4-14	7/8	1.78	1.62	2.2
2507-12-8	1 1/16-12	1/2-14	1 1/16	1.94	1.50	2.2
2507-12-12	1 1/16-12	3/4-14	1 1/16	1.94	1.65	2.2
2507-16-16	1 5/16-12	1-11 1/2	1 5/16	2.05	1.91	2.0
2507-20-20	1 5/8-12	1 1/4-11 1/2	1 5/8	2.25	2.16	1.6

2107

Male Pipe Elbow
NPTF / NPSM Swivel

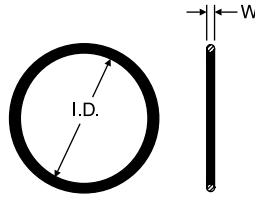
SAE 140230



TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N1 (in.)	W3 (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)
	1 NPTF	2 NPSM				
	-S					
2107-2-2	1/8-27	1/8-27	7/16	0.72	0.85	5.0
2107-4-4	1/4-18	1/4-18	9/16	1.09	1.06	5.0
2107-4-6	1/4-18	3/8-18	3/4	1.09	1.28	4.0
2107-6-4	3/8-18	1/4-18	3/4	1.22	1.17	4.0
2107-6-6	3/8-18	3/8-18	3/4	1.22	1.28	4.0
2107-6-8	3/8-18	1/2-14	3/4	1.22	1.33	3.5
2107-8-6	1/2-14	3/8-18	7/8	1.47	1.35	3.5
2107-8-8	1/2-14	1/2-14	7/8	1.47	1.40	3.5
2107-8-12	1/2-14	3/4-14	1 1/16	1.47	1.65	2.2
2107-12-6	3/4-14	3/8-18	1 1/16	1.59	1.48	2.2
2107-12-8	3/4-14	1/2-14	1 1/16	1.59	1.53	2.2
2107-12-12	3/4-14	3/4-14	1 1/16	1.59	1.65	2.2
2107-16-12	1-11 1/2	3/4-14	1 5/16	1.97	1.82	2.0
2107-16-16	1-11 1/2	1-11 1/2	1 5/16	1.97	1.91	2.0
2107-16-20	1-11 1/2	1 1/4-11 1/2	1 7/8	2.41	1.87	1.6
2107-20-20	1 1/4-11 1/2	1 1/4-11 1/2	1 5/8	2.38	2.11	1.6
2107-24-24	1 1/2-11 1/2	1 1/2-11 1/2	1 7/8	2.64	2.31	1.2
2107-32-32	2-11 1/2	2-11 1/2	2 1/2	3.00	2.70	1.1

ISO 6149 O-Ring

Metric Straight Thread
Port O-Ring



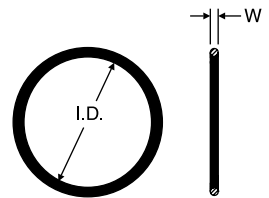
Specify size and compound (for option compound only)
Example: M-12 ISO O-RING (standard NBR)
M-12 ISO VITON O-RING (optional FKM)

TUBE FITTING PART #	PORT THREAD	I.D. (mm)	W (mm)	STANDARD From Stock	
				NBR**	FKM** *
M-8 ISO O-Ring	M8x1	6.1	1.6	<	<
M-10 ISO O-Ring	M10x1	8.1	1.6	<	<
M-12 ISO O-Ring	M12x1.5	9.3	2.2	<	<
M-14 ISO O-Ring	M14x1.5	11.3	2.2	<	<
M-16 ISO O-Ring	M16x1.5	13.3	2.2	<	<
M-18 ISO O-Ring	M18x1.5	15.3	2.2	<	<
M-22 ISO O-Ring	M22x1.5	19.3	2.2	<	<
M-27 ISO O-Ring	M27x1.5	23.6	2.9	<	<
*M-30 ISO O-Ring	M30x2	26.6	2.9	<	<
M-33 ISO O-Ring	M33x1.5	29.6	2.9	<	<
M-38 ISO O-Ring	M38x2	34.6	2.9	<	<
M-42 ISO O-Ring	M42x2	38.6	2.9	<	<
M-48 ISO O-Ring	M48x2	44.6	2.9	<	<
M-60 ISO O-Ring	M60x2	56.6	2.9	<	<

* M30X2 is not a standard ISO 6149 size.
** NBR is the standard compound — 90-durometer peroxide-cured Nitrile.
*** FKM is an optional 90-durometer fluorocarbon compound (for part number, VITON is used as suffix).

ORFS O-Ring

ORFS Tube End O-Ring



Specify size and compound
Example: 2-018 N0552 (standard NBR)

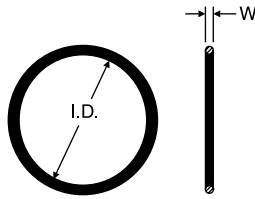
TUBE FITTING PART #	FITTING DASH SIZE	Tube O.D.		I.D.		W		STANDARD From Stock		
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	N0552*	V0894**	N0756***
2-011	4	1/4	6	0.30	7.7	0.07	1.78	<	<	<
2-012	6	3/8	8, 10	0.36	9.3	0.07	1.78	<	<	<
2-014	8	1/2	12	0.49	12.4	0.07	1.78	<	<	<
2-016	10	5/8	14, 15, 16	0.61	15.6	0.07	1.78	<	<	<
2-018	12	3/4	18, 20	0.74	18.8	0.07	1.78	<	<	<
2-020	14	7/8	22	0.86	21.8	0.07	1.78	<	<	<
2-021	16	1	25	0.93	23.5	0.07	1.78	<	<	<
2-025	20	1 3/4	28, 30, 32	1.18	29.9	0.07	1.78	<	<	<
2-029	24	1 1/2	35, 38	1.49	37.8	0.07	1.78	<	<	<
2-135	32	2	50	1.93	49.0	0.10	2.54	<	<	<

* N0552 is the standard compound — 90-durometer Nitrile (NBR).
** V0894 is an optional 90-durometer fluorocarbon compound.
*** N0756 is an optional 75-durometer Nitrile compound for CNG applications.

SAE O-Ring

SAE Straight Thread Port O-Ring

Specify size and compound
 Example: 3-906 N0552 (standard NBR)



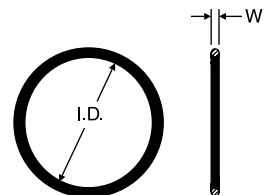
TUBE FITTING PART #	TUBE FITTING SIZE	TUBE O.D. (in.)	I.D. (in.)	W (in.)	STANDARD From Stock		
					N0552	V0894	N0756
3-902	2	1/8	0.24	0.06	-	-	-
3-903	3	3/16	0.30	0.06	-	-	-
3-904	4	1/4	0.35	0.07	-	-	-
3-905	5	5/16	0.41	0.07	-	-	-
3-906	6	3/8	0.47	0.08	-	-	-
3-908	8	1/2	0.64	0.09	-	-	-
3-910	10	5/8	0.76	0.10	-	-	-
3-912	12	3/4	0.92	0.12	-	-	-
3-914	14	7/8	1.05	0.12	-	-	-
3-916	16	1	1.17	0.12	-	-	-
3-920	20	1 1/4	1.48	0.12	-	-	-
3-924	24	1 1/2	1.72	0.12	-	-	-
3-932	32	2	2.34	0.12	-	-	-

* N0552 is the standard compound — 90-durometer Nitrile (NBR).
 ** V0894 is an optional 90-durometer fluorocarbon compound.
 *** N0756 is an optional 75-durometer Nitrile compound for CNG applications.
 See page U13 for O-ring Material Selection and data.

SAE 4-Bolt Flange O-Ring

Code 61 and Code 62 Flanges

Specify size and compound
 Examples: 2-210 N0552



TUBE FITTING PART #	HOSE PRODUCTS DIVISION PART # ¹⁾	FITTING DASH SIZE	W	I.D.	STANDARD From Stock
					N0552*
2-210	711510-6	8	0.139	0.734	<
2-214	711510-5	12	0.139	0.984	<
2-219	711510-4	16	0.139	1.296	<
2-222	711510-3	20	0.139	1.484	<
2-225	711510-2	24	0.139	1.859	<
2-228	711510-1	32	0.139	2.234	<

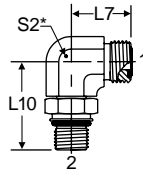
* N0552 is the standard compound — 90-durometer Nitrile.
 1) Code 61, Code 62 Flange Kits and O-Rings may be purchased from the Hose Products Division (440) 943-5700.
 See page U13 for O-ring Material Selection and data.

Metric Seal-Lok®
Metric/BSP Tube Fittings and Conversion Adapters

C87OMLO

90° Metric Straight Thread Elbow
ORFS / ISO 6149

ISO 8434-3 SDE
SAE 52M0287



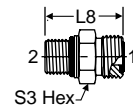
* S2 – Across
Hex Flats

TUBE FITTING PART #	END SIZE			L7 (mm)	L10 (mm)	S2 (mm)	STANDARD
	1		2				Dynamic Pressure (x1,000 PSI)
	(mm)	(in.)	ISO261					S
4M12C87OMLO	6	1/4	M12x1.5	21.5	33.0	14	6.0
6M12C87OMLO	8,10	3/8	M12x1.5	25.0	35.5	17	6.0
6M16C87OMLO	8,10	3/8	M16x1.5	25.0	37.5	17	6.0
8M14C87OMLO	12	1/2	M14x1.5	28.0	36.0	19	6.0
8M18C87OMLO	12	1/2	M18x1.5	28.0	41.0	19	6.0
8M22C87OMLO	12	1/2	M22x1.5	31.0	49.0	27	6.0
10M18C87OMLO	14,15,16	5/8	M18x1.5	33.5	47.5	37	6.0
10M22C87OMLO	14,15,16	5/8	M22x1.5	33.5	49.0	27	6.0
12M22C87OMLO	18,20	3/4	M22x1.5	37.5	49.5	27	
12M27C87OMLO	18,20	3/4	M27x2	37.5	55.5	27	6.0
16M33C87OMLO	22,25	1	M33x2	41.5	59.5	36	5.0
20M38C87OMLO*	28,30,32	1 1/4	M38x2	44.5	62.0	41	4.0
20M42C87OMLO	28,30,32	1 1/4	M42x2	44.5	63.0	41	4.0
24M48C87OMLO	35,38	1 1/2	M48x2	49.0	71.5	50	

* For special M38x2 (ISO 6149-1 style) port. The current ISO 6149 does not include the M38 size.

F87OMLO

Metric Straight Thread Connector
ORFS / ISO 6149



ISO 8434-3 SDS
SAE 52M0187

TUBE FITTING PART #	END SIZE			L8 (mm)	S3 HEX (mm)	STANDARD
	1		2			Dynamic Pressure (x1,000 PSI)
	(mm)	(in.)	ISO261				S
4M12F87OMLO	6	1/4	M12x1.5	28.5	17	9.2
4M14F87OMLO	6	1/4	M14x1.5	29.5	19	
6M12F87OMLO	8,10	3/8	M12x1.5	32.0	19	9.2
6M14F87OMLO	8,10	3/8	M14x1.5	32.0	19	9.2
6M16F87OMLO	8,10	3/8	M16x1.5	33.5	22	9.2
6M18F87OMLO	8,10	3/8	M18x1.5	36.0	24	9.2
8M14F87OMLO	12	1/2	M14x1.5	35.0	22	9.2
8M16F87OMLO	12	1/2	M16x1.5	36.5	24	9.2
8M18F87OMLO	12	1/2	M18x1.5	38.0	24	9.2
8M22F87OMLO	12	1/2	M22x1.5	39.5	27	6.0
8M27F87OMLO	12	1/2	M27x2	44.0	32	6.0
10M18F87OMLO	14,15,16	5/8	M18x1.5	41.0	27	6.0
10M22F87OMLO	14,15,16	5/8	M22x1.5	42.0	27	6.0
10M27F87OMLO	14, 15, 16	5/8	M27x2	47.0	32	6.0
12M22F87OMLO	18,20	3/4	M22x1.5	45.0	32	6.0
12M27F87OMLO	18,20	3/4	M27x2	48.5	32	6.0
12M33F87OMLO	18,20	3/4	M33x2	51.5	41	
16M33F87OMLO	22,25	1	M33x2	52.0	41	6.0
20M38F87OMLO*	28,30,32	1 1/4	M38x2	53.0	46	6.0
20M42F87OMLO	28,30,32	1 1/4	M42x2	54.5	50	5.0
24M48F87OMLO	35,38	1 1/2	M48x2	57.0	55	

* M38x2 is not included in ISO 6149.



S Series Swivels

Pioneer swivels meet 3000 PSI working pressures with a variety of seal options. The S Series swivels in 90-degree configurations can eliminate long radius bends, hose twist, and stress that can cause premature hose failure. The swivels are made of one piece forged design eliminating a brazed connection and case hardened to enhance service life. The S Series line is available in many port configurations including male and female pipe, straight thread, and flare.

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90°	84
Repair Kits	88

S Series Swivels

Introduction

The S Series Swivel product line complements the Quick Coupling Division's PS Series swivel line by offering a pressure balanced, compact forged body design. As a result of the pressure balanced design, the S Series Swivel does not experience a significant increase in torque as pressure rises. The housing body is forged to provide superior performance and durability in tough applications. This product is great for eliminating hose twist, torque and stress caused by the movement of the hydraulic components where side load to the swivel can be minimized.

Features

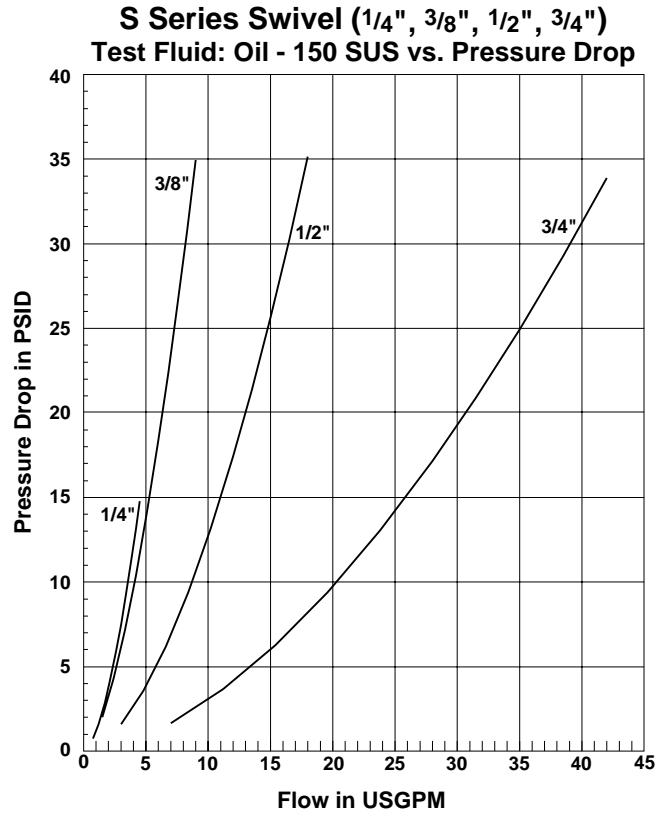
- 3000 psi working pressure rating for all sizes.
- Variety of seal options.
- Torque value does not significantly increase with pressure.
- Dust seals protect the swivel from damaging environmental contaminants.
- Field service kits are available for quick and reliable repairs.
- 360° swivel eliminates long radius bends, hose twist and stress that can cause premature hose failure.
- One piece forged housing eliminates a brazed 90° adapter connection.
- Case hardened for enhanced service life.
- Compact design to fit into tight areas.

Specifications

Body size	1/4"	3/8"	1/2"	3/4"	1"
Maximum Rated Pressure (PSI)	3000	3000	3000	3000	3000*
Temperature Range (standard)	(-40° to 250° F)				

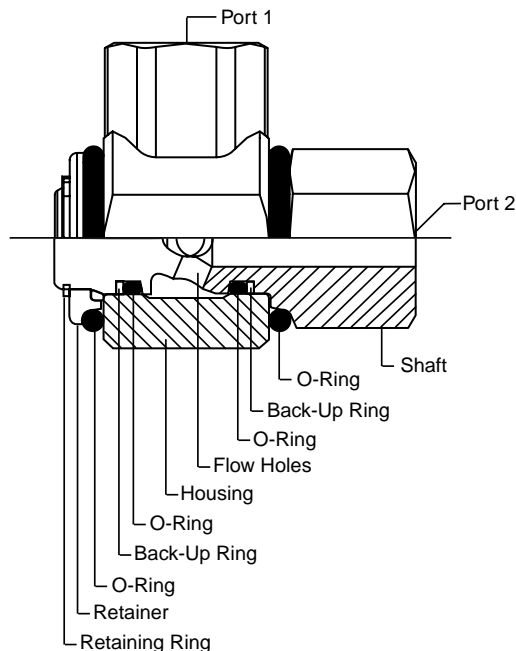
* 07 ports on 1" S Series maximum rated pressure is 2600 psi.

Performance Data



HOSE
HOSE FITTINGS
CRIMPING EQUIPMENT
SPECIALTY HOSE
TUBE FITTINGS
SWIVELS

How To Order



S Part Number:

S 21 02 V - 8 - 8 NI

Material and Finish:

Blank = Carbon Steel (12L14),
Yellow Chromate Plating

NI = Carbon Steel (12L14)*
Nickel Plating

Housing Port Size (1/16 of an inch)

Shaft Port Size (1/16 of an inch)

Seal Code:

Blank = Nitrile (Standard)

E = Ethylene Propylene

V = Fluorocarbon

Housing Port Configuration:

01 = Male NPTF

02 = Female NPTF

03 = Male JIC 37 Degree

05 = Male SAE O-Ring Straight Thread

07 = Female NPSM Pipe Swivel

10 = Female SAE Straight Thread

Shaft Port Configuration:

21 = Male NPTF

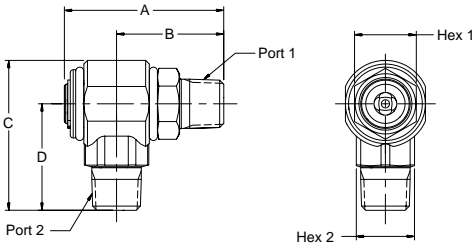
22 = Female NPTF

23 = Male JIC 37 Degree

25 = Male SAE O-Ring Straight Thread

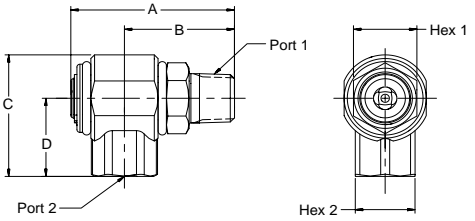
Parker S Series Swivel designator

Male Pipe - Male Pipe



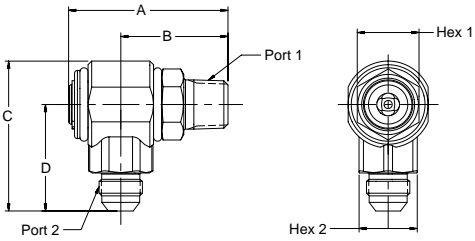
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2101-4-4	2.31" 58.7 mm	1.51" 38.4 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	1/4-18 NPTF	1/4-18 NPTF
S2101-6-6	2.31" 58.7 mm	1.51" 38.4 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	3/8-18 NPTF
S2101-8-8	2.74" 69.6 mm	1.84" 46.8 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	1/2-14 NPTF
S2101-12-12	3.35" 85.1 mm	2.12" 53.9 mm	3.00" 76.2 mm	2.11" 53.5 mm	1.38" 34.9 mm	1.38" 34.9 mm	3/4-14 NPTF	3/4-14 NPTF

Male Pipe - Female Pipe



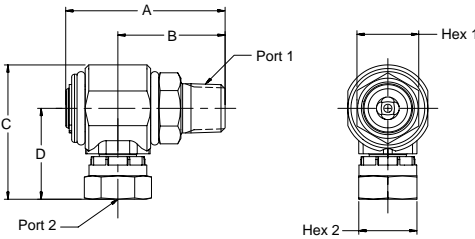
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2102-4-4	2.31" 58.7 mm	1.51" 38.4 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	1/4-18 NPTF	1/4-18 NPTF
S2102-6-6	2.31" 58.7 mm	1.51" 38.4 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	3/8-18 NPTF
S2102-8-8	2.74" 69.6 mm	1.84" 46.8 mm	2.10" 53.3 mm	1.35" 34.3 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	1/2-14 NPTF
S2102-12-12	3.35" 85.1 mm	2.12" 53.9 mm	2.39" 60.7 mm	1.50" 38.0 mm	1.38" 34.9 mm	1.38" 34.9 mm	3/4-14 NPTF	3/4-14 NPTF

Male Pipe - 37° Flare



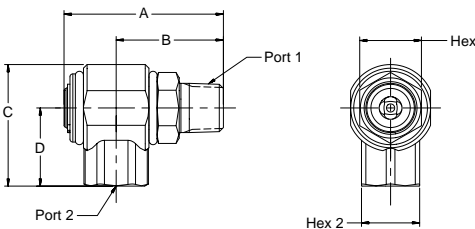
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2103-4-4	2.31" 58.7 mm	1.51" 38.4 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	1/4-18 NPTF	7/16-20UNF-2A
S2103-6-6	2.31" 58.7 mm	1.51" 38.4 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	9/16-18UNF-2A
S2103-8-8	2.74" 69.6 mm	1.84" 46.8 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	3/4-16UNF-2A
S2103-12-12	3.35" 85.1 mm	2.12" 53.9 mm	3.07" 77.9 mm	2.17" 55.2 mm	1.38" 34.9 mm	1.38" 34.9 mm	3/4-14 NPTF	1-1/16-12UN-2A
S2103-16-16	3.95" 100.33 mm	2.54" 64.5 mm	3.01" 76.5 mm	2.11" 53.6 mm	1.63" 41.4 mm	1.69" 42.9 mm	1-11 1/2 NPTF	1-5/16-12UN-2A

Male Pipe - Female NPSM Pipe Swivel



Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2107-4-4	2.31" 58.7 mm	1.51" 38.4 mm	2.05" 52.0 mm	1.36" 34.5 mm	.88" 22.2 mm	.69" 17.5 mm	1/4-18 NPTF	1/4-18 NPSM
S2107-6-6	2.31" 58.7 mm	1.51" 38.4 mm	2.07" 52.5 mm	1.38" 35.1 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	3/8-18 NPSM
S2107-8-8	2.74" 69.6 mm	1.84" 46.8 mm	2.32" 59.0 mm	1.57" 39.9 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	1/2-14 NPSM
S2107-12-12	3.35" 85.1 mm	2.12" 53.9 mm	2.74" 69.5 mm	1.85" 46.9 mm	1.38" 34.9 mm	1.25" 31.8 mm	3/4-14 NPTF	3/4-14 NPSM
S2107-16-16	3.95" 100.3 mm	2.54" 64.5 mm	3.14" 79.8 mm	2.23" 56.6 mm	1.63" 41.4 mm	1.69" 42.9 mm	1-11 1/2 NPTF	1-11 1/2 NPSM

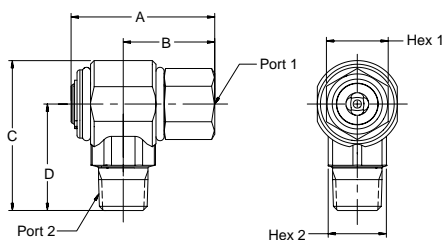
Male Pipe - Female SAE Straight Thread



Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2110-6-6	2.31" 58.7 mm	1.51" 38.4 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	9/16-18UNF-2B
S2110-8-8	2.74" 69.6 mm	1.84" 46.8 mm	2.10" 53.3 mm	1.35" 34.3 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	3/4-16UNF-2B
S2110-12-12	3.35" 85.1 mm	2.12" 53.9 mm	2.54" 64.5 mm	1.65" 41.9 mm	1.38" 34.9 mm	1.38" 34.9 mm	3/4-14 NPTF	1-1/16-12UN-2B

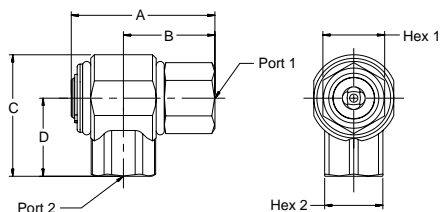
HOSE
HOSE FITTINGS
CRIMPING EQUIPMENT
SPECIALTY HOSE
TUBE FITTINGS
SWIVELS

Female Pipe - Male Pipe



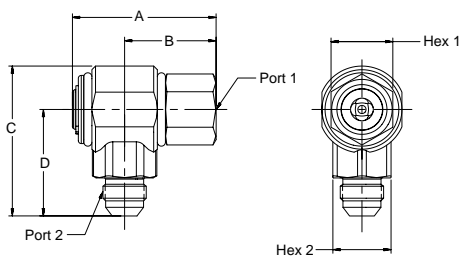
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2201-4-4	2.19" 55.6 mm	1.39" 35.4 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	1/4-18 NPTF	1/4-18 NPTF
S2201-6-6	2.19" 55.6 mm	1.39" 35.4 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	3/8-18 NPTF
S2201-8-8	2.47" 62.7 mm	1.57" 40.0 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	1/2-14 NPTF
S2201-12-12	3.15" 80.0 mm	1.92" 48.8 mm	3.00" 76.2 mm	2.11" 53.5 mm	1.38" 34.9 mm	1.38" 34.9 mm	3/4-14 NPTF	3/4-14 NPTF

Female Pipe - Female Pipe



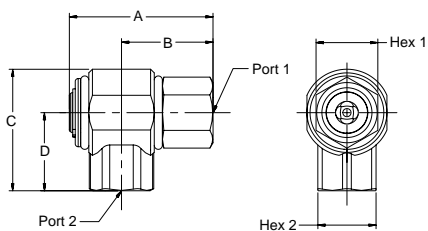
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2202-4-4	2.19" 55.6 mm	1.39" 35.4 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	1/4-18 NPTF	1/4-18 NPTF
S2202-6-6	2.19" 55.6 mm	1.39" 35.4 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	3/8-18 NPTF
S2202-8-8	2.47" 62.7 mm	1.57" 40.0 mm	2.10" 53.3 mm	1.35" 34.3 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	1/2-14 NPTF
S2202-12-12	3.15" 80.0 mm	1.92" 48.8 mm	2.39" 60.7 mm	1.50" 38.0 mm	1.38" 34.9 mm	1.38" 34.9 mm	3/4-14 NPTF	3/4-14 NPTF

Female Pipe - 37° Flare



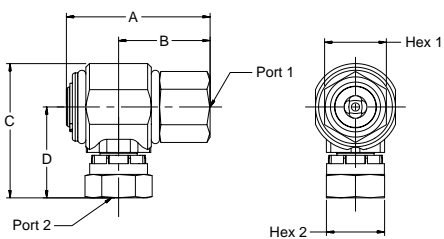
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2203-4-4	2.19" 55.6 mm	1.39" 35.4 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	1/4-18 NPTF	7/16-20UNF-2A
S2203-6-6	2.19" 55.6 mm	1.39" 35.4 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	9/16-18UNF-2A
S2203-8-8	2.47" 62.7 mm	1.57" 40.0 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	3/4-16UNF-2A
S2203-12-12	3.15" 80.0 mm	1.92" 48.8 mm	3.07" 77.9 mm	2.17" 55.2 mm	1.38" 34.9 mm	1.38" 34.9 mm	3/4-14 NPTF	1-1/16-12UN-2A
S2203-16-16	3.55" 90.2 mm	2.13" 54.1 mm	3.01" 76.5 mm	2.11" 53.6 mm	1.63" 41.4 mm	1.69" 42.9 mm	1-11/12 NPTF	1-5/16-12UN-2A

Female Pipe - Female SAE Straight Thread



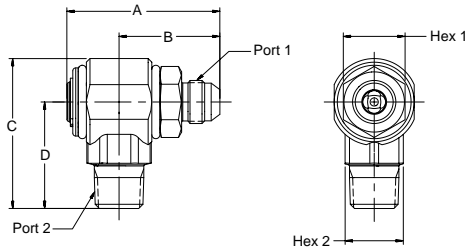
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2210-6-6	2.19" 55.6 mm	1.39" 35.4 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	9/16-18UNF-2B
S2210-8-8	2.47" 62.7 mm	1.57" 40.0 mm	2.10" 53.3 mm	1.35" 34.3 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	3/4-16UNF-2B
S2210-12-12	3.15" 80.0 mm	1.92" 48.8 mm	2.54" 64.5 mm	1.65" 41.9 mm	1.38" 34.9 mm	1.38" 34.9 mm	3/4-14 NPTF	1-1/16-12UN-2B

Female Pipe - Female NPSM Pipe Swivel



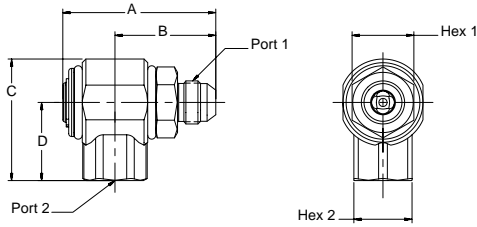
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2207-4-4	2.19" 55.6 mm	1.39" 35.4 mm	2.05" 52.0 mm	1.36" 34.5 mm	.88" 22.2 mm	.69" 17.5 mm	1/4-18 NPTF	1/4-18 NPSM
S2207-6-6	2.19" 55.6 mm	1.39" 35.4 mm	2.07" 52.5 mm	1.38" 35.1 mm	.88" 22.2 mm	.88" 22.2 mm	3/8-18 NPTF	3/8-18 NPSM
S2207-8-8	2.47" 62.7 mm	1.57" 40.0 mm	2.32" 59.0 mm	1.57" 39.9 mm	1.06" 27.0 mm	1.00" 25.4 mm	1/2-14 NPTF	1/2-14 NPSM
S2207-12-12	3.15" 80.0 mm	1.92" 48.8 mm	2.74" 69.5 mm	1.85" 46.9 mm	1.38" 34.9 mm	1.25" 31.8 mm	3/4-14 NPTF	3/4-14 NPSM
S2207-16-16	3.55" 90.2 mm	2.13" 54.1 mm	3.14" 79.8 mm	2.23" 56.6 mm	1.63" 41.4 mm	1.69" 42.9 mm	1-11/12 NPTF	1-11/12 NPSM

37° Flare - Male Pipe



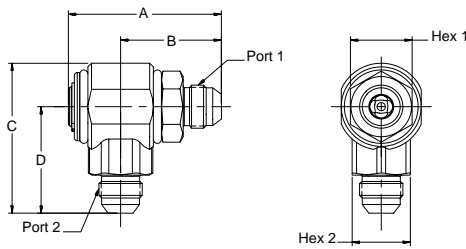
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2301-4-4	2.41" 61.2 mm	1.61" 40.9 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	7/16-20UNF-2A	1/4-18 NPTF
S2301-6-6	2.41" 61.2 mm	1.61" 40.9 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	3/8-18 NPTF
S2301-8-8	2.63" 66.8 mm	1.73" 44.0 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	1/2-14 NPTF
S2301-12-12	3.33" 84.6 mm	2.10" 53.4 mm	3.00" 76.2 mm	2.11" 53.5 mm	1.38" 34.9 mm	1.38" 34.9 mm	1-1/16-12UN-2A	3/4-14 NPTF

37° Flare - Female Pipe



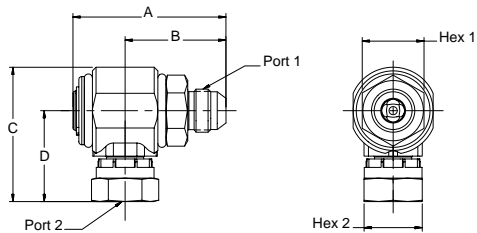
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2302-4-4	2.41" 61.2 mm	1.61" 40.9 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	7/16-20UNF-2A	1/4-18 NPTF
S2302-6-6	2.41" 61.2 mm	1.61" 40.9 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	3/8-18 NPTF
S2302-8-8	2.63" 66.8 mm	1.73" 44.0 mm	2.10" 53.3 mm	1.35" 34.3 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	1/2-14 NPTF
S2302-12-12	3.33" 84.6 mm	2.10" 53.4 mm	2.39" 60.7 mm	1.50" 38.0 mm	1.38" 34.9 mm	1.38" 34.9 mm	1-1/16-12UN-2A	3/4-14 NPTF

37° Flare - 37° Flare



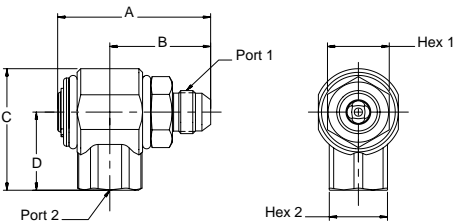
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2303-4-4	2.41" 61.2 mm	1.61" 40.9 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	7/16-20UNF-2A	7/16-20UNF-2A
S2303-6-6	2.41" 61.2 mm	1.61" 40.9 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	9/16-18UNF-2A
S2303-8-8	2.63" 66.8 mm	1.73" 44.0 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	3/4-16UNF-2A
S2303-10-10	2.63" 66.8 mm	1.73" 44.0 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	7/8-14UNF-2A	7/8-14UNF-2A
S2303-12-12	3.33" 84.6 mm	2.10" 53.4 mm	3.07" 77.9 mm	2.17" 55.2 mm	1.38" 34.9 mm	1.38" 34.9 mm	1-1/16-12UN-2A	1-1/16-12UN-2A
S2303-16-16	4.05" 102.9 mm	2.64" 67.1 mm	3.01" 76.5 mm	2.11" 53.6 mm	1.63" 41.4 mm	1.69" 42.9 mm	1-5/16-12UN-2A	1-5/16-12UN-2A

37° Flare - Female NPSM Pipe Swivel



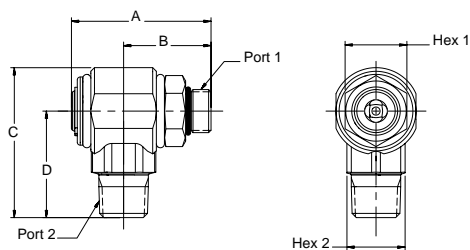
Part Number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2307-4-4	2.41" 61.2 mm	1.61" 40.9 mm	2.05" 52.0 mm	1.36" 34.5 mm	.88" 22.2 mm	.69" 17.5 mm	7/16-20UNF-2A	1/4-18 NPSM
S2307-6-6	2.41" 61.2 mm	1.61" 40.9 mm	2.07" 52.5 mm	1.38" 35.1 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	3/8-18 NPSM
S2307-8-8	2.63" 66.8 mm	1.73" 44.0 mm	2.32" 59.0 mm	1.57" 39.9 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	1/2-14 NPSM
S2307-12-12	3.33" 84.6 mm	2.10" 53.4 mm	2.74" 69.5 mm	1.85" 46.9 mm	1.38" 34.9 mm	1.25" 31.8 mm	1-1/16-12UN-2A	3/4-14 NPSM

37° Flare - Female SAE Straight Thread



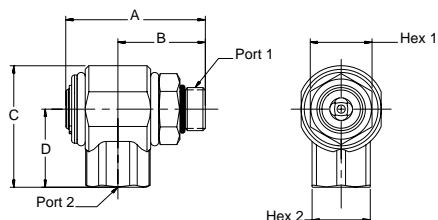
Part number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2310-6-6	2.41" 61.2 mm	1.61" 40.9 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	9/16-18UNF-2B
S2310-8-8	2.63" 66.8 mm	1.73" 44.0 mm	2.10" 53.3 mm	1.35" 34.3 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	3/4-16UNF-2B
S2310-12-12	3.33" 84.6 mm	2.10" 53.4 mm	2.54" 64.5 mm	1.65" 41.9 mm	1.38" 34.9 mm	1.38" 34.9 mm	1-1/16-12UN-2A	1-1/16-12UN-2B

Male SAE O-Ring Straight Thread - Male Pipe



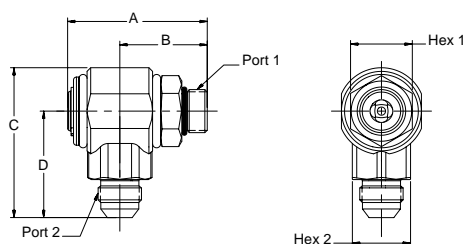
Part number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2501-6-6	2.13" 54.1 mm	1.33" 33.8 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	3/8-18 NPTF
S2501-8-8	2.40" 61.0 mm	1.50" 38.2 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	1/2-14 NPTF
S2501-12-12	3.40" 86.4 mm	2.17" 55.2 mm	3.00" 76.2 mm	2.11" 53.5 mm	1.38" 34.9 mm	1.38" 34.9 mm	1-1/16-12UN-2A	3/4-14 NPTF

Male SAE O-Ring Straight Thread - Female Pipe



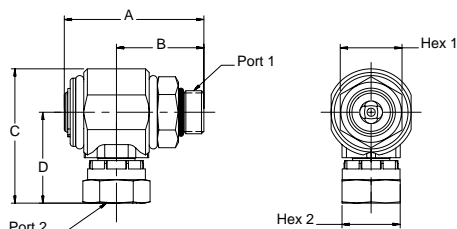
Part number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2502-6-6	2.13" 54.1 mm	1.33" 33.8 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	3/8-18 NPTF
S2502-8-8	2.40" 61.0 mm	1.50" 38.2 mm	2.10" 53.3 mm	1.35" 34.3 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	1/2-14 NPTF
S2502-12-12	3.40" 86.4 mm	2.17" 55.2 mm	2.39" 60.7 mm	1.50" 38.0 mm	1.38" 34.9 mm	1.38" 34.9 mm	1-1/16-12UN-2A	3/4-14 NPTF

Male SAE O-Ring Straight Thread - 37° Flare



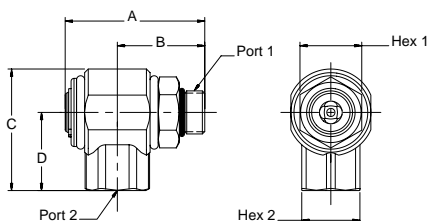
Part number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2503-6-6	2.13" 54.1 mm	1.33" 33.8 mm	2.19" 55.5 mm	1.50" 38.0 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	9/16-18UNF-2A
S2503-8-8	2.40" 61.0 mm	1.50" 38.2 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	3/4-16UNF-2A
S2503-10-10	2.54" 64.5 mm	1.64" 41.7 mm	2.59" 65.8 mm	1.84" 46.7 mm	1.06" 27.0 mm	1.00" 25.4 mm	7/8-14UNF-2A	7/8-14UNF-2A
S2503-12-12	3.40" 86.4 mm	2.17" 55.2 mm	3.07" 77.9 mm	2.17" 55.2 mm	1.38" 34.9 mm	1.38" 34.9 mm	1-1/16-12UN-2A	1-1/16-12UN-2A
S2503-16-16	3.75" 95.3 mm	2.33" 59.2 mm	3.01" 76.5 mm	2.11" 53.6 mm	1.63" 41.4 mm	1.69" 42.9 mm	1-5/16-12UN-2A	1-5/16-12UN-2A

Male SAE O-Ring Straight Thread - Female NPSM Pipe Swivel



Part number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2507-6-6	2.13" 54.1 mm	1.33" 33.8 mm	2.07" 52.5 mm	1.38" 35.1 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	3/8-18 NPSM
S2507-8-8	2.40" 61.0 mm	1.50" 38.2 mm	2.32" 59.0 mm	1.57" 39.9 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	1/2-14 NPSM
S2507-12-12	3.75" 86.4 mm	2.17" 55.2 mm	2.74" 69.5 mm	1.85" 46.9 mm	1.38" 34.9 mm	1.25" 31.8 mm	1-1/16-12UN-2A	3/4-14 NPSM
S2507-16-16	3.75" 95.3 mm	2.33" 59.2 mm	3.14" 79.8 mm	2.23" 56.6 mm	1.63" 41.4 mm	1.69" 42.9 mm	1-5/16-12UN-2A	1-1 1/2 NPSM

Male SAE O-Ring Straight Thread - Female SAE Straight Thread



Part number	A	B	C	D	HEX 1	HEX 2	PORT 1	PORT 2
S2510-6-6	2.13" 54.1 mm	1.33" 33.8 mm	1.78" 45.1 mm	1.09" 27.6 mm	.88" 22.2 mm	.88" 22.2 mm	9/16-18UNF-2A	9/16-18UNF-2B
S2510-8-8	2.40" 61.0 mm	1.50" 38.2 mm	2.10" 53.3 mm	1.35" 34.3 mm	1.06" 27.0 mm	1.00" 25.4 mm	3/4-16UNF-2A	3/4-16UNF-2B
S2510-12-12	3.40" 86.4 mm	2.17" 55.2 mm	2.54" 64.5 mm	1.65" 41.9 mm	1.38" 34.9 mm	1.38" 34.9 mm	1-1/16-12UN-2A	1-1/16-12UN-2B

Repair Kits/Seal Options

Repair Kits come complete with primary O-Rings, PTFE back-up rings, external and internal dust seals, retaining ring and instruction sheet.

Nitrile Seals		EP Seals		Fluorocarbon Seals	
Size	Kit Number	Size	Kit Number	Size	Kit Number
-4/-6	RK-4/6N	-4/-6	RK-4/6E	-4/-6	RK-4/6V
-8/-10	RK-8N	-8/-10	RK-8E	-8/-10	RK-8V
-12	RK-12N	-12	RK-12E	-12	RK-12V
-16	RK-16N	-16	RK-16E	-16	RK-16V

HOSE

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