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Hose, Fittings and Equipment

Catalog 4400 AUS January 2013



HoseFinder^{2.0}
Parker Hose Selection Guide



ENGINEERING YOUR SUCCESS.



Parkrimp (Crimp) Series
Field Attachable Series

Fittings

B



ENGINEERING YOUR SUCCESS.

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Mining Fittings

For mining related hose fittings contact technical service on 02 9842 5110.
Available fittings include Stecko, Super Stecko, Slimlock, Parslym and Super Parslym.

How to read the fittings section

With more than 750 end configurations, Parker's brass, stainless steel and Chromium-6 free plated steel fittings include O-ring face seal, flare, straight thread, pipe and metric designs, in both crimp and field attachable styles. Along with Parker hose, all fittings have been tested and approved, and meet stringent industry standards worldwide. Fitting page content is defined by the information shown below. Please take a moment and review.

How to Select Parkrimp Hose Fittings

Example: 1JC43-12-8C

- 1JC43-12-8C** - Fitting (1=Crimp, 2=Field attachable, 3=Push-Lok, Blank=Nipple with clamp)
1JC43-12-8C - End Connection
1JC43-12-8C - Fitting Series
1JC43-12-8C - Size of Fitting End Connection
1JC43-12-8C - Hose Size
1JC43-12-8C - Fitting Material
 No Suffix = Steel
 B = Brass
 C = 316 Stainless Steel
 BA = Brass Nipple with Steel Nut and Socket
 BS = Brass Nipple with Brass nut and Socket
 SM = Metric Index

Hose Inner Diameter
Measured in 1/16 inch increments identified by use of a "dash"(-) numbering system. i.e., 4/16" = 1/4" = -4.

"A" Dimension
Overall Length

Hex size
Use to determine the wrench size

"B" Dimension
(Cutoff Allowance) Dimension used to determine cut length (C.L.) of hose when making a hose assembly

Fitting Information
Base part number and end connection description

10126
Male NPTF Pipe - Rigid

10326
Male JIC 37° - Rigid

26 Series Fittings
Use with 201, 206, 213, 221FR, 266, 265, 293, SS230CG hoses.

Lists approved hoses for fitting series

Standard material for fittings is steel. For additional material, refer to column

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	H mm	B inch	B mm	Additional Material Brass (B)
10126-2-4	1/8x27	3/16	1.65	42	7/16	0.78	0.78	20	
10126-4-4	1/4x18	3/16	1.88	48	9/16	1.01	1.01	26	
10126-4-5	1/4x18	1/4	1.88	48	9/16	1.01	1.01	26	
10126-4-6	1/4x18	5/16	1.88	48	3/4	1.02	1.02	26	•
10126-6-6	3/8x18	5/16	1.89	48	11/16	1.03	1.03	26	•
10126-6-8	3/8x18	13/32	1.89	48	11/16	1.03	1.03	26	•
10126-8-8	1/2x14	13/32	2.14	54	7/8	1.28	1.28	33	•
10126-8-10	1/2x14	1/2	2.25	57	7/8	1.30	1.30	33	•
10126-12-12	3/4x14	5/8	2.31	59	1-1/16	1.37	1.37	35	•
10126-16-16	1x11-1/2	7/8	2.61	66	1-3/8	1.57	1.57	40	
10126-20-20	1-1/4x11-1/2	1-1/8	2.83	72	1-3/4	1.77	1.77	45	
10126-24-24	1-1/2x11-1/2	1-3/8	3.01	76	2	1.93	1.93	49	
10126-32-32	2x11-1/2	1-13/16	3.44	87	2-1/2	2.18	2.18	55	

B
Indicates Fitting Section

Continued on next page

How to select hose fittings

To make ordering Parker products easier, we have outlined the nomenclature for hose and fittings on this page. For information on ordering hose assemblies, see Section A.

How to Select Hose

Example: 451TC-8

- 451**TC-8 - Hose type
- 451**TC**-8 - Indicates the special feature of the hose
(in this case, 'Tough Cover')
- 451TC-**8** - Hose inside diameter dash size (in this case, 8/16" or 1/2")



How to Select Parkrimp Hose Fittings

Example: 1JC43-12-8C

- 1**JC43-12-8C - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
- 1JC**43-12-8C - End connection (In this case, a female Seal-Lok – swivel – straight)
- 1JC**43**-12-8C - Fitting series
- 1JC43-**12**-8C - Size of fitting end connection (In this case, 12/16" or 3/4")
- 1JC43-12-**8**C - Hose size (In this case, 8/16" or 1/2")
- 1JC43-12-8**C** - Fitting material:
 - No Suffix = Steel
 - B = Brass
 - C = 316 Stainless Steel
 - BA = Brass Nipple with Steel Nut and Socket
 - BS = Brass Nipple with Brass Nut and Socket
 - SM = Metric Hex



How to Select Two-Piece Field Attachable Fittings

When selecting a two-piece field attachable fitting, the fitting part number (found in Section B of this catalog) needs to be broken down into two distinct numbers for the nipple and the socket.

Example: 20120-16-16B

Socket Part Number

Example: 20020-16B

- 20020**-16B - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
- 200**20-16B - End connection ("00" represents that it is a socket)
- 200**20**-16B - Fitting series
- 20020-**16**B - Hose size (In this case, 16/16" or 1")
- 20020-16**B** - Fitting material:
 - No Suffix = Steel
 - B = Brass
 - C = 316 Stainless Steel
 - BA = Brass Nipple with Steel Nut and Socket
 - BS = Brass Nipple with Brass Nut and Socket
 - SM = Metric Hex




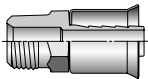
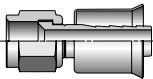
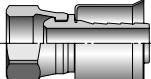
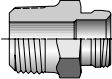
Nipple Part Number

Example: 0120-16-16B

- _0120-16-16B - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
- 01**20-16-16B - End connection (In this case, a male NPTF Pipe – rigid – straight)
- 01**20**-16-16B - Fitting series
- 0120-**16**-16B - Size of fitting end connection (In this case, 16/16" or 1")
- 0120-16-**16**B - Hose size (In this case, 16/16" or 1")
- 0120-16-16**B** - Fitting material:
 - No Suffix = Steel
 - B = Brass
 - C = 316 Stainless Steel
 - BA = Brass Nipple with Steel Nut and Socket
 - BS = Brass Nipple with Brass Nut and Socket
 - SM = Metric Hex



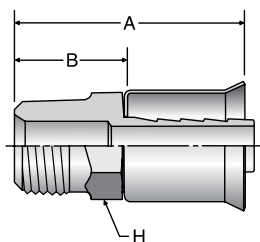
Use with 271 hose.




 <i>Flange</i>	10125	B-6	10825	B-6	17B25	B-6	017M	B-6	<i>Assembly Instructions</i>
	 <i>Rigid</i>		 <i>Swivel</i>		 <i>Swivel</i>		 <i>Swivel</i>		

Use with 271 hose.

10125

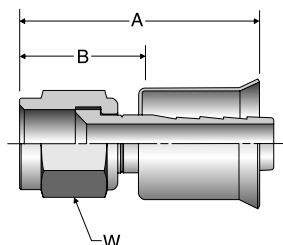
Male NPTF Pipe - Rigid






#			A			B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm
10125-6-6B-VS	3/8X18	3/8	1.72	44	11/16	1.00	25
10125-6-8B-VS	3/8X18	1/2	1.72	44	11/16	1.00	25
10125-8-6B-VS	1/2X14	3/8	2.05	52	7/8	1.33	34
10125-8-8B-VS	1/2X14	1/2	2.05	52	7/8	1.33	34

10825

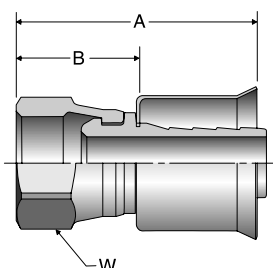
Female SAE 45° - Swivel






#			A			B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm
10825-6-6B	5/8X18	3/8	1.82	46	3/4	1.10	28
10825-8-6B	3/4X16	3/8	1.80	46	7/8	1.08	27
10825-8-8B	3/4X16	1/2	1.95	50	7/8	1.22	31

17B25

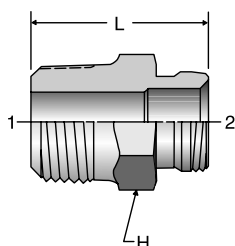
Female Air Brake Jounce Line - Swivel - Straight






#			A			B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm
17B25-8-6B	3/4X20	3/8	1.59	40	7/8	0.87	22
17B25-8-8B	3/4X20	1/2	1.59	40	7/8	0.87	22

017M

Air Brake Adapter



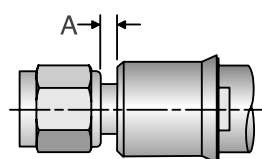
#					L		
Part Number	Thread End 1 NPTF inch	Thread End 2 UNEFinch	inch	mm	inch	mm	inch
017M-6-8B	6 3/8X18	8 3/4X20	1.13	29			3/4
017M-8-8B	8 1/2X14	8 3/4X20	1.33	34			7/8

Assembly instructions

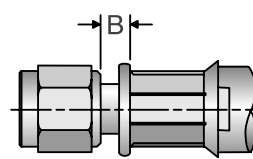
1. On the 08 end configurations only, the use of a mandrel is required. This mandrel is designed to set the proper gap between the nut and the shell. To match the correct fitting with the proper mandrel part number refer to the table below.



2. The assembly mandrels can be used with a common bench vise or on the TH2-7 push-on stand. Refer to Bulletin 4480-T13-USA for push-on stand instructions.
3. When using a common bench vise, place the mandrel in the vise, put the fitting on the mandrel (nut first) then push on the hose until it bottoms. Visually check the sight hole on the side of the shell to assure that the hose is fully inserted.
4. Remove mandrel from fitting and check for proper gap between nut and shell. (See table below).
5. Now crimp the fitting onto the hose. Refer to CrimpSource for correct crimp dies and crimping dimensions.
6. Check for proper gap between nut and shell after crimp. (See table below)



BEFORE CRIMP



AFTER CRIMP

NOTE: B dimension is measured from the back of the fully-seated nut to the start of the crimp length. The nut must be free to swivel after crimping of the shell.

Fitting Part Number	A Length		B Length		Required Assembly Mandrel
	mm	inch	mm	inch	
10625-6-6B	3.80	0.150	8.00	0.315	TH2-7M25-6
10825-6-6B	5.80	0.230	11.80	0.465	
10625-8-8B	3.80	0.150	8.00	0.315	TH2-7M25-8
10825-8-8B	5.80	0.230	11.80	0.465	

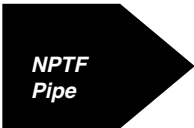
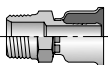

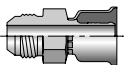
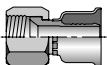
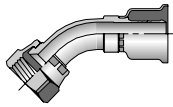
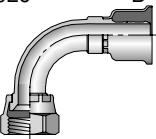
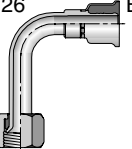

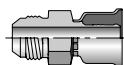
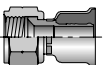
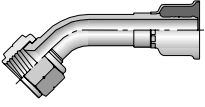
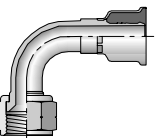

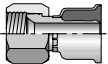

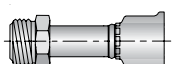
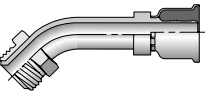
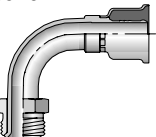

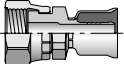
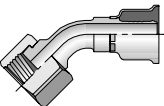
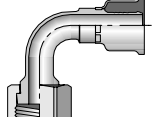

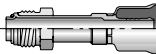
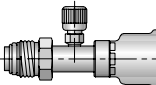
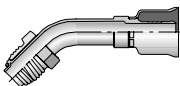
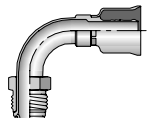
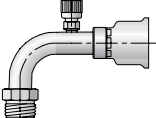
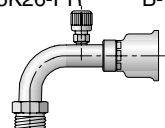
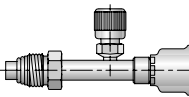
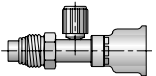
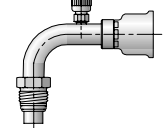
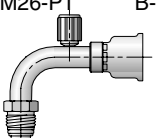

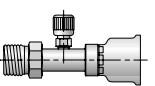
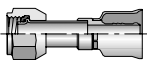
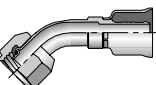
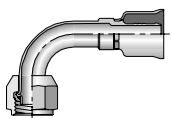
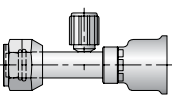
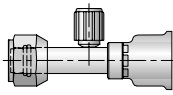
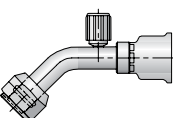
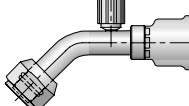
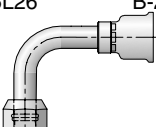
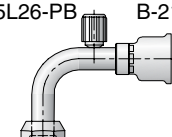
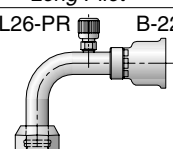
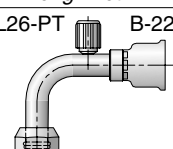
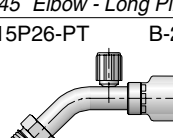
NOTE: The "Required Assembly Tool" must be used to assemble all fittings listed above.

7. For all other 25 series fittings, use of mandrel is not necessary. Push fitting onto hose until it bottoms. Visually check sight hole on the side of the shell to assure that the hose is fully inserted.

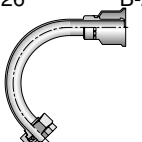
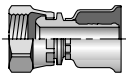
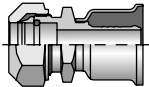
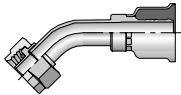
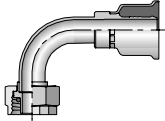
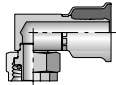
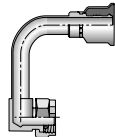
NOTES

B

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

 NPTF Pipe	10126 B-11  <i>Male - Rigid</i>	 JIC 37°	10326 B-11  <i>Male - Rigid</i>	10626 B-12  <i>Female - Swivel</i>	13726 B-12  <i>Female - Swivel 45° Elbow - Short</i>
13926 B-12  <i>Female - Swivel 90° Elbow - Short</i>	14126 B-13  <i>Female - Swivel 90° Elbow - Long</i>	 SAE 45°	10426 B-13  <i>Male - Rigid</i>	10826 B-13  <i>Female - Swivel</i>	17726 B-13  <i>Female - Swivel 45° Elbow</i>
17926 B-14  <i>Female - Swivel 90° Elbow</i>	 JIC 37°/ SAE 45° Dual Flare	16826 B-14  <i>Female - Swivel</i>	 Inverted Flare	12826 B-14  <i>Male - Swivel</i>	16726 B-15  <i>Male - Swivel 45° Elbow</i>
16926 B-15  <i>Male - Swivel 90° Elbow</i>	 Seal-Lok® (O-Ring Face Seal)	1JC26 B-15  <i>Female - Swivel Short</i>	1J726 B-16  <i>Female - Swivel 45° Elbow</i>	1J926 B-16  <i>Female - Swivel 90° Elbow - Short</i>	 Tube-O
1S526 B-16  <i>Male - Swivel Short Pilot</i>	1S526-PR B-17  <i>Male - Swivel Short Pilot</i>	15R26 B-17  <i>Male - Swivel 45° Elbow - Short Pilot</i>	15K26 B-17  <i>Male - Swivel 90° Elbow - Short Pilot</i>	15K26-PB B-17  <i>Male - Swivel 90° Elbow - Short Pilot</i>	15K26-PR B-18  <i>Male - Swivel 90° Elbow - Short Pilot</i>
14526-PR B-18  <i>Male - Swivel Long Pilot</i>	14526-PT B-18  <i>Male - Swivel Long Pilot</i>	15M26-PR B-18  <i>Male - Swivel 90° Elbow - Long Pilot</i>	15M26-PT B-19  <i>Male - Swivel 90° Elbow - Long Pilot</i>	15G26 B-19  <i>Male - Rigid Internal - Long Pilot</i>	15G26-PR B-19  <i>Male - Rigid Internal - Long Pilot</i>
15S26 B-19  <i>Female - Swivel Short Pilot</i>	15H26 B-20  <i>Female - Swivel 45° Elbow - Short Pilot</i>	15T26 B-20  <i>Female - Swivel 90° Elbow - Short Pilot</i>	15926-PB B-20  <i>Female - Swivel Long Pilot</i>	15926-PT B-20  <i>Female - Swivel Long Pilot</i>	15N26-PB B-21  <i>Female - Swivel 45° Elbow - Long Pilot</i>
15N26-PT B-21  <i>Female - Swivel 45° Elbow - Long Pilot</i>	15L26 B-21  <i>Female - Swivel 90° Elbow - Long Pilot</i>	15L26-PB B-21  <i>Female - Swivel 90° Elbow - Long Pilot</i>	15L26-PR B-22  <i>Female - Swivel 90° Elbow - Long Pilot</i>	15L26-PT B-22  <i>Female - Swivel 90° Elbow - Long Pilot</i>	15P26-PT B-22  <i>Male - Swivel 45° Elbow - Long Pilot</i>



Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

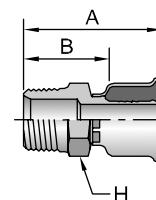
<div><div>Air Brake Jounce Line</div><div>1RV26B-23</div><div>Female - Swivel 135° Elbow</div></div>	<div><div>17B26B-22</div><div>Female - Swivel</div></div>	<div><div>Compressor</div><div>1T126B-24</div><div>Male (w/Nut & Ferrule)</div></div>	<div><div>15V26B-23</div><div>Female - Swivel 45° Elbow</div></div>	<div><div>15W26B-23</div><div>Female - Swivel 90° Elbow</div></div>	<div><div>15Z26B-23</div><div>Female - Swivel 90° Elbow - Block Type</div></div>
	<div><div>1RZ26B-24</div><div>Female - Swivel 180° Elbow</div></div>		<div><div>Fitting Assembly Instructions</div></div>		

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

10126

Male NPTF Pipe - Rigid



# Part Number	 Thread inch	 Hose I.D. inch	A		H		B		Additional Material Brass (B)
			inch	mm	inch	mm	inch	mm	
10126-2-4	1/8x27	3/16	1.65	42	7/16	0.78	0.78	20	
10126-4-4	1/4x18	3/16	1.88	48	9/16	1.01	1.01	26	
10126-4-5	1/4x18	1/4	1.88	48	9/16	1.01	1.01	26	
10126-4-6	1/4x18	5/16	1.88	48	3/4	1.02	1.02	26	•
10126-6-6	3/8x18	5/16	1.89	48	11/16	1.03	1.03	26	•
10126-6-8	3/8x18	13/32	1.89	48	11/16	1.03	1.03	26	•
10126-8-8	1/2x14	13/32	2.14	54	7/8	1.28	1.28	33	•
10126-8-10	1/2x14	1/2	2.25	57	7/8	1.30	1.30	33	•
10126-12-12	3/4x14	5/8	2.31	59	1-1/16	1.37	1.37	35	•
10126-16-16	1x11-1/2	7/8	2.61	66	1-3/8	1.57	1.57	40	
10126-20-20	1-1/4x11-1/2	1-1/8	2.83	72	1-3/4	1.77	1.77	45	
10126-24-24	1-1/2x11-1/2	1-3/8	3.01	76	2	1.93	1.93	49	
10126-32-32	2x11-1/2	1-13/16	3.44	87	2-1/2	2.18	2.18	55	

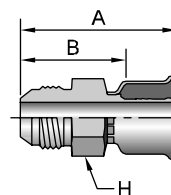


B

10326

Male JIC 37° - Rigid

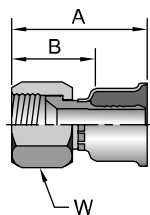
# Part Number	 Thread inch	 Hose I.D. inch	A		H		B		Additional Material Brass (B)
			inch	mm	inch	mm	inch	mm	
10326-4-4	1/4 7/16x20	3/16	2.02	50	1/2	1.15	1.15	29	•
10326-6-6	3/8 9/16x18	5/16	2.12	54	3/4	1.26	1.26	32	•
10326-8-8	1/2 3/4x16	13/32	1.94	49	13/16	1.08	1.08	27	•
10326-10-10	5/8 7/8x14	1/2	2.49	64	15/16	1.54	1.54	39	•
10326-16-16	1 1-5/16x12	7/8	2.79	71	1-3/8	1.75	1.75	44	



Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

10626

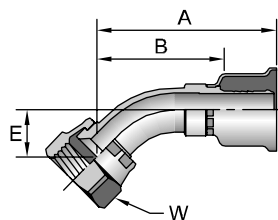
Female JIC 37° - Swivel



# Part Number	Thread inch	Hose I.D. inch	A inch mm		W inch	B inch mm		Additional Material Brass (B)
10626-6-6	3/8 9/16x18	5/16	1.81	45	11/16	0.95	23	•
10626-6-8	3/8 9/16x18	13/32	1.67	52	11/16	1.19	30	•
10626-12-12	3/4 1-1/16x12	5/8	2.29	58	1-1/4	1.35	34	•
10626-16-16	1 1-5/16x12	7/8	2.53	64	1-1/2	1.49	38	•
10626-20-20	1-1/4 1-5/8x12	1-1/8	2.56	65	2	1.50	38	•
10626-24-24	1-1/2 1-7/8x12	1-3/8	2.77	70	2-1/4	1.69	43	
10626-32-32	2 2-1/2x12	1-13/16	3.30	84	2-7/8	2.04	52	

13726

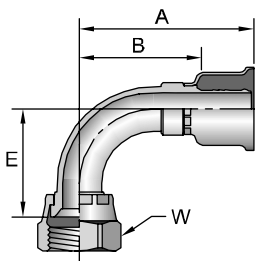
Female JIC 37° - Swivel - 45° Elbow - Short Drop



# Part Number	Thread inch	Hose I.D. inch	A inch mm		E inch mm		W inch	B inch mm	
13726-4-4	1/4 7/16x20	3/16	2.01	51	0.39	10	9/16	1.14	29
13726-6-6	3/8 9/16x18	5/16	2.72	69	0.43	11	11/16	1.86	47
13726-8-8	1/2 3/4x16	13/32	2.82	72	0.55	15	7/8	1.96	50
13726-10-10	5/8 7/8x14	1/2	2.96	75	0.63	16	1	2.01	51
13726-12-12	3/4 1-1/16x12	5/8	3.44	87	0.83	21	1-1/4	2.50	63
13726-16-16	1 1-5/16x12	7/8	3.34	85	0.90	23	1-1/2	2.30	58
13726-20-20	1-1/4 1-5/8x12	1-1/8	3.74	95	1.18	30	2	2.68	68
13726-24-24	1-1/2 1-7/8x12	1-3/8	3.92	100	1.16	29	2-1/4	2.84	72

13926

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



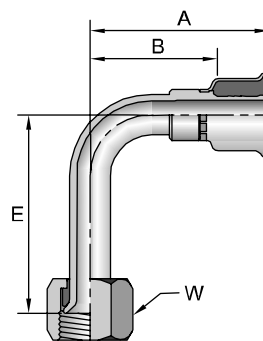
# Part Number	Thread inch	Hose I.D. inch	A inch mm		E inch mm		W inch	B inch mm	
13926-4-4	1/4 7/16x20	3/16	1.82	46	0.83	21	9/16	0.95	24
13926-6-6	3/8 9/16x18	5/16	2.15	55	0.91	23	11/16	1.29	33
13926-8-8	1/2 3/4x16	13/32	2.22	56	1.09	28	7/8	1.36	35
13926-10-10	5/8 7/8x14	1/2	2.23	57	1.26	32	1	1.28	33
13926-10-12	5/8 7/8x14	5/8	2.52	64	1.23	31	1	1.58	40
13926-12-12	3/4 1-1/16x12	5/8	2.28	58	1.82	46	1-1/4	1.30	34
13926-16-16	1 1-5/16x12	7/8	3.30	84	2.14	54	1-1/2	2.26	57
13926-20-20	1-1/4 1-5/8x12	1-1/8	3.60	91	2.57	65	2	2.53	65
13926-24-24	1-1/2 1-7/8x12	1-3/8	3.92	100	2.82	72	2-1/4	2.84	72

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

14126

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

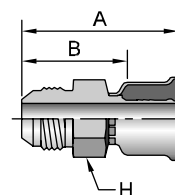
# Part Number	Thread inch		Hose I.D. inch	A inch mm		E inch mm		W inch	B inch mm	
14126-4-4	1/4	7/16x20	1/4	2.05	52	1.81	46	9/16	1.18	30
14126-6-6	3/8	9/16x18	5/16	2.02	51	2.13	54	11/16	1.16	29
14126-8-8	1/2	3/4x16	13/32	2.35	60	2.43	62	7/8	1.49	38
14126-10-10	5/8	7/8x14	1/2	2.11	54	2.76	70	1	1.16	29
14126-16-16	1	1-5/16x12	7/8	3.17	81	4.33	110	1-1/2	2.13	54



10426

Male SAE 45° - Rigid

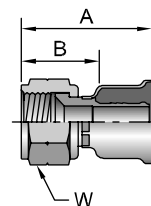
# Part Number	Thread inch		Hose I.D. inch	A inch mm		H inch	B inch mm	
10426-4-4	1/4	7/16x20	3/16	1.97	50	1/2	1.18	28
10426-6-6	3/8	5/8x18	5/16	2.04	52	11/16	1.18	30



10826

Female SAE 45° - Swivel

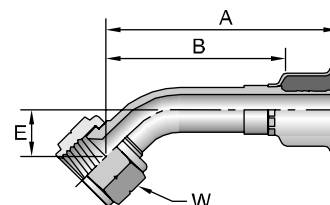
# Part Number	Thread inch		Hose I.D. inch	A inch mm		W inch	B inch mm		Additional Material Brass (B)
10826-6-6	3/8	5/8x18	5/16	1.84	47	3/4	0.98	25	•
10826-10-8	5/8	7/8x14	13/32	2.21	56	1	1.35	34	
10826-10-10	5/8	7/8x14	1/2	2.13	54	1	1.18	30	
10826-12-12	3/4	1-1/16x14	5/8	2.19	56	1-1/4	1.25	32	•



17726

Female SAE 45° - Swivel - 45° Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch mm		E inch mm		W inch	B inch mm	
17726-4-4	1/4	7/16x20	3/16	2.29	58	0.39	10	9/16	1.43	36
17726-6-6	3/8	5/8x18	5/16	2.72	69	0.43	11	11/16	1.86	47
17726-8-8	1/2	3/4x16	13/32	2.82	72	0.59	14	7/8	1.96	50
17726-10-10	5/8	7/8x14	1/2	2.96	75	0.63	16	1	2.01	51
17726-12-12	3/4	1-1/16x14	5/8	3.43	87	0.83	21	1-1/4	2.49	63

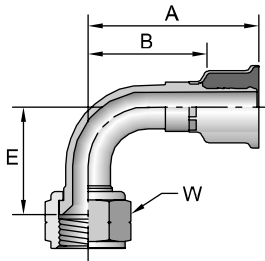


Notch on nut signifies SAE 45° flare fitting.

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

17926

Female SAE 45° - Swivel - 90° Elbow

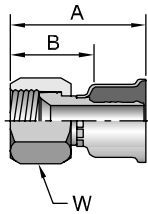


# Part Number	Thread inch		Hose I.D. inch	A inch mm		E inch mm		W inch	B inch mm	
17926-4-4	1/4	7/16x20	3/16	1.75	44	0.83	21	9/16	0.89	23
17926-6-6	3/8	5/8x18	5/16	2.15	55	0.91	23	3/4	1.29	33
17926-8-8	1/2	3/4x16	13/32	2.31	58.7	1.00	25.4	7/8	1.45	37
17926-10-10	5/8	7/8x14	1/2	2.23	57	1.26	32	1	1.28	33
17926-12-12	3/4	1-1/16x14	5/8	2.28	58	1.82	46	1-1/4	1.34	34

Notch on nut signifies 45° flare fitting.

16826

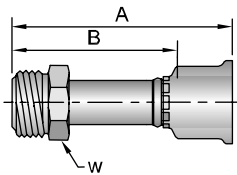
Female JIC 37° / SAE 45° - Dual Flare - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch mm		W inch	B inch mm		Additional Material Brass (B)
16826-4-4	1/4	7/16x20	3/16	1.67	42	9/16	0.80	20	•
16826-4-5	1/4	7/16x20	1/4	1.55	48	9/16	1.03	26	
16826-4-6	1/4	7/16x20	5/16	1.55	39	9/16	0.07	17	
16826-5-5	5/16	1/2x20	1/4	1.77	45	5/8	0.90	23	
16826-8-6	1/2	3/4x16	5/16	1.76	56	7/8	1.34	34	
16826-8-8	1/2	3/4x16	13/32	1.91	49	7/8	1.05	27	
16826-8-10	1/2	3/4x16	1/2	2.36	60	7/8	1.41	36	•
16826-10-10	5/8	7/8x14	1/2	2.17	55	1	1.23	31	•
16826-10-12	5/8	7/8x14	5/8	1.96	61	1	1.53	37	

12826

Male Inverted SAE 45° - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch mm		W inch	B inch mm	
12826-4-4	1/4	7/16x24	3/16	2.43	62	7/16	1.56	40
12826-5-5	5/16	1/2x20	1/4	2.56	65	1/2	1.69	43
12826-6-6	3/8	5/8x18	5/16	2.87	73	5/8	2.01	51
12826-8-8	1/2	3/4x18	13/32	3.00	76	3/4	2.14	54
12826-10-10	5/8	7/8x18	1/2	3.17	81	7/8	2.22	56

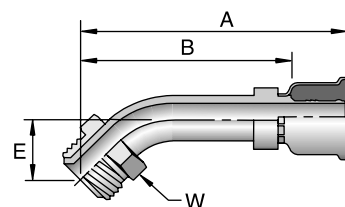
See Accessories Section for O-Rings and Flange Kits.

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

16726

Male Inverted SAE 45° - Swivel - 45° Elbow

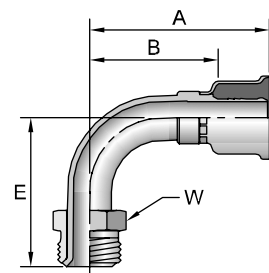
#											
Part Number	Thread		Hose I.D.	A		E		W		B	
	inch		inch	inch	mm	inch	mm	inch	mm	inch	mm
16726-4-4	1/4	7/16x24	3/16	2.20	56	0.63	16	7/16	1.33	34	
16726-5-5	5/16	1/2x20	1/4	2.30	58	0.70	18	1/2	1.43	36	
16726-6-6	3/8	5/8x18	5/16	2.55	65	0.87	22	5/8	1.69	43	
16726-8-8	1/2	3/4x18	13/32	2.60	66	1.09	28	3/4	1.74	44	



16926

Male Inverted SAE 45° - Swivel - 90° Elbow

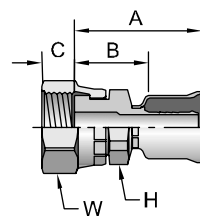
#											
Part Number	Thread		Hose I.D.	A		E		W		B	
	inch		inch	inch	mm	inch	mm	inch	mm	inch	mm
16926-4-4	1/4	7/16x24	3/16	2.27	58	1.56	40	7/16	1.40	36	
16926-6-6	3/8	5/8x18	5/16	1.89	48	1.48	38	5/8	1.03	26	
16926-8-8	1/2	3/4x18	13/32	2.25	57	1.88	48	3/4	1.39	35	
16926-10-10	5/8	7/8x18	1/2	2.70	69	2.17	55	7/8	1.75	44	



1JC26

Female Seal-Lok® - Swivel - Short

#											
Part Number	Thread		Hose I.D.	A		C		H		W	
	inch		inch	inch	mm	inch	mm	inch	mm	inch	mm
1JC26-4-4	1/4	9/16x18	3/16	1.66	42	0.31	8	9/16	11/16	0.79	20
1JC26-6-6	3/8	11/16x16	5/16	1.70	43	0.34	9	11/16	13/16	0.84	21
1JC26-8-8	1/2	13/16x16	13/32	1.76	45	0.43	11	13/16	15/16	0.90	23
1JC26-12-12	3/4	1-3/16x12	5/8	2.13	54	0.55	14	1-1/8	1-3/8	1.19	30
1JC26-16-16	1	1-7/16x12	7/8	2.39	61	0.56	14	1-3/8	1-5/8	1.35	34
1JC26-20-20	1-1/4	1-11/16x12	1-1/8	2.45	62	0.59	15	1-7/8	1-7/8	1.39	35

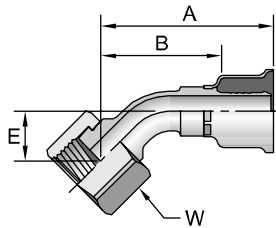


When measuring overall length to the end of the nut, B + C must be used to calculate cut-off allowance.
See Accessories Section for O-Rings.

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

1J726

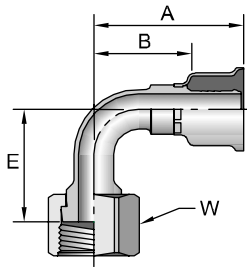
Female Seal-Lok® - Swivel - 45° Elbow



#										
Part Number	Thread		Hose I.D.	A		E		W	B	
	inch		inch	inch	mm	inch	mm	inch	inch	mm
1J726-4-4	1/4	9/16x18	3/16	1.99	51	0.39	10	11/16	1.12	28
1J726-6-6	3/8	11/16x16	5/16	2.43	62	0.43	11	13/16	1.57	40
1J726-8-8	1/2	13/16x16	13/32	2.77	70	0.59	15	15/16	1.91	49
1J726-10-10	5/8	1x14	1/2	3.26	83	0.63	16	1-1/8	2.31	59
1J726-12-12	3/4	1-3/16x12	5/8	3.13	80	0.83	21	1-3/8	2.19	56
1J726-16-16	1	1-7/16x12	7/8	3.61	92	0.94	24	1-5/8	2.57	65
1J726-20-20	1-1/4	1-11/16x12	1-1/8	3.93	100	1.00	25	1-7/8	2.87	73

1J926

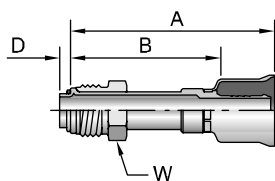
Female Seal-Lok® - Swivel - 90° Elbow - Short Drop



#										
Part Number	Thread		Hose I.D.	A		E		W	B	
	inch		inch	inch	mm	inch	mm	inch	inch	mm
1J926-4-4	1/4	9/16x18	3/16	1.80	46	0.83	21	11/16	0.93	24
1J926-6-6	3/8	11/16x16	5/16	1.86	47	0.91	23	13/16	1.00	25
1J926-8-8	1/2	13/16x16	13/32	2.14	54	1.14	29	15/16	1.28	33
1J926-10-10	5/8	1x14	1/2	2.53	64	1.26	32	1-1/8	1.58	40
1J926-12-12	3/4	1-3/16x12	5/8	2.51	64	1.89	48	1-3/8	1.57	40
1J926-16-16	1	1-7/16x12	7/8	3.56	90	2.21	56	1-5/8	2.52	64
1J926-20-20	1-1/4	1-11/16x12	1-1/8	4.05	103	2.51	64	1-7/8	2.99	76

1S526

Male Tube-O - Swivel - Short Pilot



#										
Part Number	Thread		Hose I.D.	A		D		W	B	
	inch		inch	inch	mm	inch	mm	inch	inch	mm
1S526-6-6	3/8	5/8x18	5/16	2.54	65	0.18	4,7	5/8	1.68	43
1S526-7-6	11/16	11/16x16	5/16	2.57	65	0.18	4,7	5/8	1.71	43
1S526-8-8	1/2	3/4x18	13/32	2.68	68	0.18	4,7	3/4	1.82	46
1S526-10-10	5/8	7/8x18	1/2	3.46	88	0.18	4,7	7/8	2.51	64
1S526-10-12	5/8	7/8x18	5/8	3.63	92	0.18	4,7	7/8	2.69	68
1S526-12-12	3/4	1-1/16x16	5/8	4.00	102	0.18	4,7	1-1/16	3.06	78

When measuring overall length to the end of the nut, B+D must be used to calculate cut-off allowance.

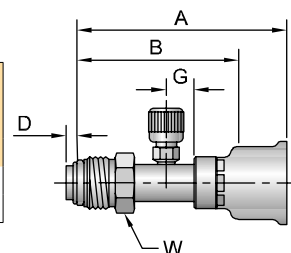
See Accessories Section for O-Rings.

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

1S526-PR

Male Tube-O - Swivel - Short Pilot
with Charge Port for R12

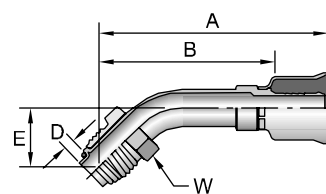
# Part Number	Thread inch	Hose I.D. inch	A		D		G		W	B	
			inch	mm	inch	mm	inch	mm	inch	inch	mm
1S526-10-10-PR	5/8 7/8x18	1/2	3.52	89	0.18	4,7	0.47	12	7/8	2.57	65
1S526-10-12-PR	5/8 7/8x18	5/8	3.68	93	0.18	4,7	0.47	12	7/8	2.74	70



15R26

Male Tube-O - Swivel - 45° Elbow - Short Pilot

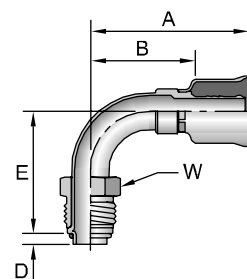
# Part Number	Thread inch	Hose I.D. inch	A		D		E		W	B	
			inch	mm	inch	mm	inch	mm	inch	inch	mm
15R26-6-6	3/8 5/8x18	5/16	2.52	64	0.18	4,7	0.85	22	5/8	1.66	42
15R26-8-8	1/2 3/4x18	13/32	2.53	64	0.18	4,7	1.05	27	3/4	1.67	42
15R26-10-10	5/8 7/8x18	1/2	2.99	76	0.18	4,7	1.25	32	7/8	2.04	52
15R26-10-12	5/8 7/8x18	5/8	3.16	80	0.18	4,7	1.25	32	7/8	2.22	56



15K26

Male Tube-O - Swivel - 90° Elbow - Short Pilot

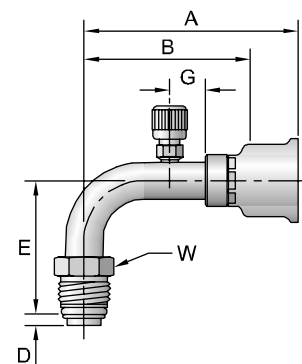
# Part Number	Thread inch	Hose I.D. inch	A		D		E		W	B	
			inch	mm	inch	mm	inch	mm	inch	inch	mm
15K26-6-6	3/8 5/8x18	5/16	2.06	52	0.18	4,7	1.76	45	5/8	1.19	30
15K26-7-6	7/16 11/16x16	5/16	2.21	56	0.18	4,7	1.76	44	11/16	1.35	34
15K26-8-8	1/2 3/4x18	13/32	2.06	52	0.18	4,7	1.74	44	3/4	1.20	30
15K26-10-10	5/8 7/8x18	1/2	2.34	59	0.18	4,7	2.20	56	7/8	1.39	35
15K26-10-12	5/8 7/8x18	5/8	2.51	64	0.18	4,7	2.20	56	7/8	1.57	40



15K26-PB

Male Tube-O - Swivel - 90° Elbow - Short Pilot
with High Pressure Charge Port for R134a

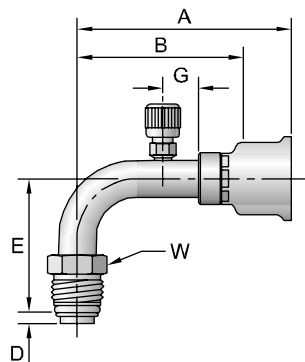
# Part Number	Thread inch	Hose I.D. inch	A		D		E		G	W	B	
			inch	mm	inch	mm	inch	mm	inch	inch	inch	mm
15K26-8-8-PB	1/2 3/4x18	13/32	2.70	69	0.18	4,6	1.74	44	0.60	15	3/4	1.88



Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

15K26-PR

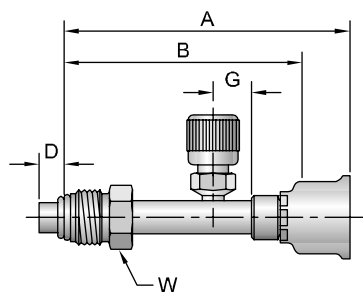
Male Tube-O - Swivel - 90° Elbow - Short Pilot
with Charge Port for R12



#													
Part Number	Thread	Hose I.D.	A	D	E	G	W	B					
15K26-10-10-PR	5/8 7/8x18	1/2	3.14 80	0.18 4,7	2.25 57	0.60 15	7/8	2.19 56					
15K26-10-12-PR	5/8 7/8x18	5/8	3.43 87	0.18 4,7	2.22 56	0.60 15	7/8	2.49 63					

14526-PR

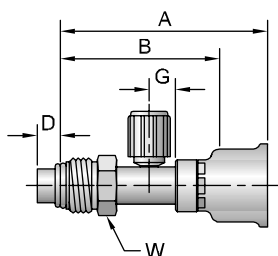
Male Tube-O - Swivel - Long Pilot With
Charge Port for R12



#													
Part Number	Thread	Hose I.D.	A	D	G	W	B						
14526-6-6-PR	3/8 5/8x18	5/16	3.25 83	0.28 7,1	0.50 13	5/8	2.40 61						

14526-PT

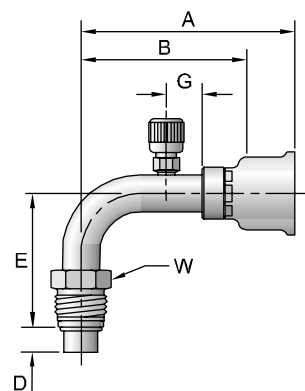
Male Tube-O - Swivel - Long Pilot With
With Low Pressure Charge Port for R134a



#													
Part Number	Thread	Hose I.D.	A	D	G	W	B						
14526-10-12-PT	5/8 7/8x18	5/8	3.45 88	0.38 9,8	0.44 11	7/8	2.51 64						

15M26-PR

Male Tube-O - Swivel - 90° Elbow - Long Pilot With
Charge Port for R12






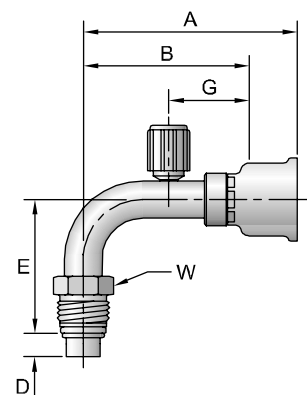
#													
Part Number	Thread	Hose I.D.	A	D	E	G	W	B					
15M26-6-6-PR	3/8 5/8x18	5/16	2.48 63	0.28 7,1	1.58 40	0.50 13	5/8	1.62 41					

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

15M26-PT




Male Tube-O - Swivel - 90° Elbow - Long Pilot With
With Low Pressure Charge Port for R134a

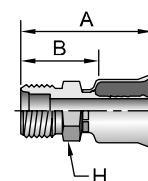
# Part Number	 Thread inch	 Hose I.D. inch	A		D		E		G		 W	B	
			inch	mm	inch	mm	inch	mm	inch	mm	inch	inch	mm
15M26-10-12-PT	5/8 7/8x18	5/8	3.25	83	0.38	9,8	2.25	57	0.60	15	7/8	2.31	59



15G26

Male Tube-O - Rigid - Internal Long Pilot (3-Step)




# Part Number	 Thread inch	 Hose I.D. inch	A		 H	B	
			inch	mm	inch	inch	mm
15G26-6-6	3/8 5/8x18	3/8	1.78	45	0.625	0.92	23
15G26-8-8	1/2 3/4x16	13/32	1.95	50	3/4	1.09	28
15G26-10-10	5/8 7/8x14	1/2	4.05	103	7/8	3.10	79
15G26-10-12	5/8 7/8x14	5/8	2.19	56	0.875	1.25	32

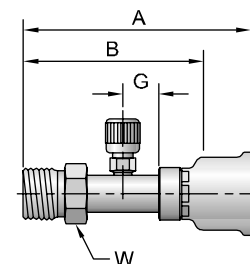


B

15G26-PR




Male Tube-O - Rigid - Internal Long Pilot (3-Step)
With Charge Port for R12

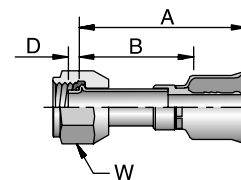
# Part Number	 Thread inch	 Hose I.D. inch	A		G		 W	B	
			inch	mm	inch	mm	inch	inch	mm
15G26-10-12-PR	5/8 7/8x14	5/8	4.27	108	0.60	15	7/8	3.33	85



15S26

Female Tube-O - Swivel - Short Pilot

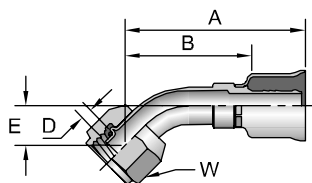
# Part Number	 Thread inch	 Hose I.D. inch	A		D		 W	B	
			inch	mm	inch	mm	inch	inch	mm
15S26-6-6	3/8 5/8x18	5/16	2.54	65	0.18	4,7	3/4	1.68	43
15S26-8-8	1/2 3/4x16	13/32	2.68	68	0.18	4,7	7/8	1.82	46
15S26-10-10	5/8 7/8x14	1/2	2.84	72	0.18	4,7	1-1/16	1.89	48
15S26-10-12	5/8 7/8x14	5/8	3.63	92	0.18	4,7	1-1/16	2.69	68
15S26-12-12	3/4 1-1/16x14	5/8	4.00	102	0.18	4,7	1-1/4	3.06	78



Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

15H26

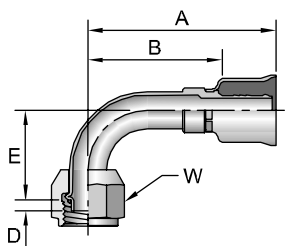
Female Tube-O - Swivel 45° Elbow - Short Pilot



#											
Part Number	Thread	Hose I.D.	A	D	E	W	B				
	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	
15H26-6-6	3/8 5/8x18	5/16	2.35	60	0.18	4,7	0.54	14	3/4	1.49	38
15H26-8-8	1/2 3/4x16	13/32	2.48	63	0.18	4,7	0.60	15	7/8	1.62	41
15H26-10-10	5/8 7/8x14	1/2	3.23	82	0.18	4,7	0.67	17	1 1/16	2.28	58
15H26-10-12	5/8 7/8x14	3/4	3.43	87	0.18	4,7	0.67	17	1-1/16	2.46	62

15T26

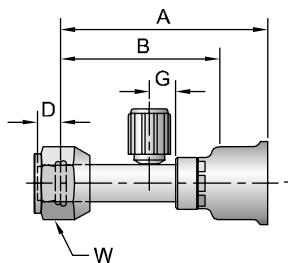
Female Tube-O - Swivel - 90° Elbow - Short Pilot



#											
Part Number	Thread	Hose I.D.	A	D	E	W	B				
	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	
15T26-6-6	3/8 5/8x18	5/16	1.89	48	0.18	4,7	1.15	29	3/4	1.03	26
15T26-8-8	1/2 3/4x16	13/32	2.34	59	0.18	4,7	1.46	37	7/8	1.48	38
15T26-10-10	5/8 7/8x14	1/2	2.08	53	0.18	4,7	1.75	44	1-1/16	1.08	27
15T26-10-12	5/8 7/8x14	5/8	2.20	56	0.18	4,7	1.53	39	1-1/16	1.26	32
15T26-12-12	3/4 1-1/16x14	5/8	2.63	67	0.18	4,7	1.75	44	1-1/4	1.69	43

15926-PB

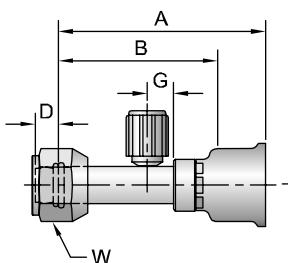
Female Tube-O - Swivel - Long Pilot With High Pressure Charge Port for R134a



#											
Part Number	Thread	Hose I.D.	A	D	G	W	B				
	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	
15926-6-6-PB	3/8 5/8x18	5/16	3.25	83	0.28	7,1	0.75	19	3/4	2.39	61
15926-8-8-PB	1/2 3/4x16	13/32	2.74	70	0.38	9,8	0.50	13	7/8	1.88	48

15926-PT

Female Tube-O - Swivel - Long Pilot With Low Pressure Charge Port for R134a



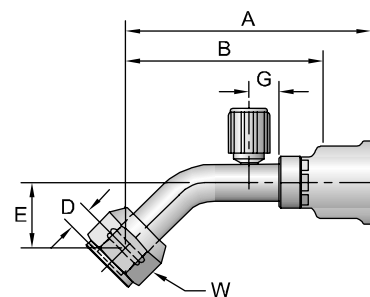
#											
Part Number	Thread	Hose I.D.	A	D	G	W	B				
	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	
15926-10-12-PT	5/8 7/8x14	5/8	3.47	88	0.38	9,8	0.60	15	1-1/16	2.53	64

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

15N26-PB

Female Tube-O - Swivel - 45° Elbow - Long Pilot
With High Pressure Charge Port for R134a

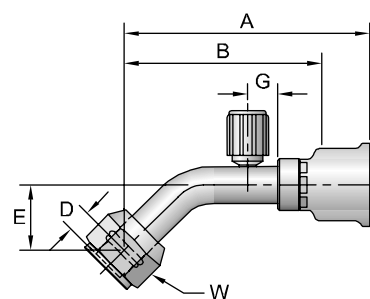
# Part Number	Thread inch	Hose I.D. inch	A		D		E		G		W	B	
			inch	mm	inch	mm	inch	mm	inch	mm	inch	inch	mm
15N26-8-8-PB	1/2 3/4x16	13/32	3.67	93	0.38	9,8	0.90	23	0.60	15	7/8	2.81	72



15N26-PT

Female Tube-O - Swivel - 45° Elbow - Long Pilot
With Low Pressure Charge Port for R134a

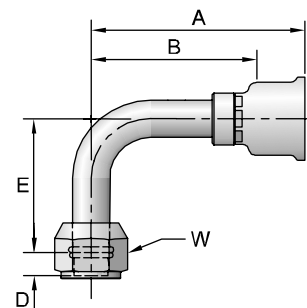
# Part Number	Thread inch	Hose I.D. inch	A		D		E		G		W	B	
			inch	mm	inch	mm	inch	mm	inch	mm	inch	inch	mm
15N26-10-12-PT	5/8 7/8x14	5/8	3.92	100	0.38	9,8	1.21	31	0.60	15	1-1/16	2.98	76



15L26

Female Tube-O - Swivel - 90° Elbow - Long Pilot

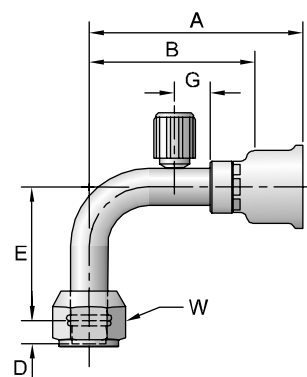
# Part Number	Thread inch	Hose I.D. inch	A		D		E		G		W	B	
			inch	mm	inch	mm	inch	mm	inch	mm	inch	inch	mm
15L26-8-8	1/2 3/4x14	13/32	2.14	54	0.38	9,8	1.46	37	7/8	1.28	33		



15L26-PB

Female Tube-O - Swivel - 90° Elbow - Long Pilot
With High Pressure Charge Port for R134a

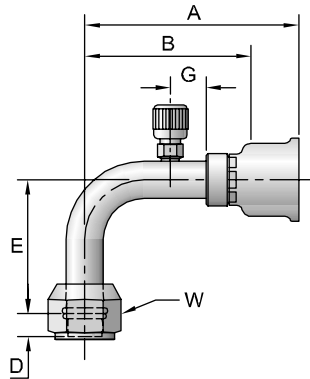
# Part Number	Thread inch	Hose I.D. inch	A		D		E		G		W	B	
			inch	mm	inch	mm	inch	mm	inch	mm	inch	inch	mm
15L26-6-6-PB	3/8 5/8x18	5/16	2.50	64	0.28	7,1	1.22	31	0.50	13	3/4	1.64	42
15L26-8-8-PB	1/2 3/4x16	13/32	2.80	71	0.38	9,8	1.46	37	0.60	15	7/8	1.94	49
15L26-10-12-PB	5/8 7/8x14	5/8	2.80	71	0.38	9,8	1.46	37	0.60	15	1-1/16	1.94	49



Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

15L26-PR

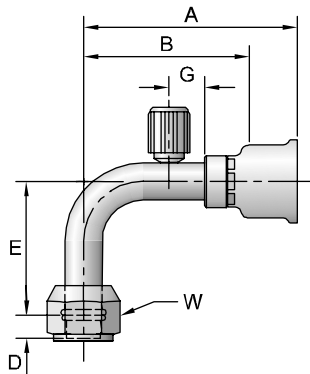
Female Tube-O - Swivel - 90° Elbow - Long Pilot
With Charge Port for R12



# Part Number	Thread inch	Hose I.D. inch	A inch	D mm	E mm	G mm	W inch	B mm
15L26-8-8-PR	1/2 3/4x16	13/32	2.79	71	0.38 9,8	1.46 37	0.60 15	7/8 1.93 49
15L26-10-10-PR	5/8 7/8x14	1/2	3.59	91	0.38 9,8	2.25 57	0.60 15	1-1/16 2.64 67
15L26-10-12-PR	5/8 7/8x14	5/8	3.25	83	0.38 9,8	2.25 57	0.60 15	1-1/16 2.31 59

15L26-PT

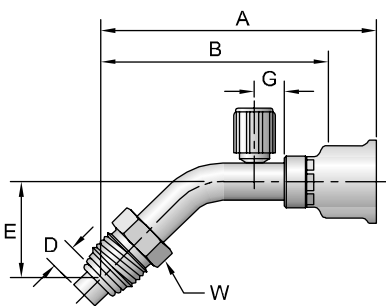
Female Tube-O - Swivel - 90° Elbow - Long Pilot
With Low Pressure Charge Port for R134a



# Part Number	Thread inch	Hose I.D. inch	A inch	D mm	E mm	G mm	W inch	B mm
15L26-10-10-PT	5/8 7/8x14	1/2	2.95	75	0.38 9,8	2.25 57	0.60 15	1-1/16 2.00 51
15L26-10-12-PT	5/8 7/8x14	5/8	3.25	83	0.38 9,8	2.25 57	0.60 15	1-1/16 2.31 59
15L26-12-12-PT	3/4 1-1/16x14	5/8	3.58	91	0.38 9,8	2.66 68	0.60 15	1-1/4 2.64 67

15P26-PT

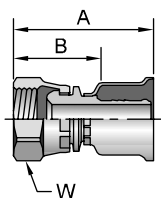
Male Tube-O - Swivel - 45° Elbow - Long Pilot With
With Low Pressure Charge Port for R134a



# Part Number	Thread inch	Hose I.D. inch	A inch	D mm	E mm	G mm	W inch	B mm
15P26-10-12-PT	5/8 7/8x18	5/8	3.81	97	0.38 9,8	1.21 31	0.60 15	7/8 2.87 73

17B26

Female Air Brake Jounce Line - Swivel






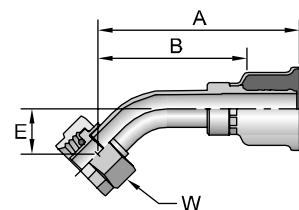
# Part Number	Thread inch	Hose inch	A inch	W inch	B mm
17B26-8-6BA	1/2 3/4x20	5/16	1.75 44	11/16 0.89	23
17B26-8-8BA	1/2 3/4x20	13/32	1.75 44	11/16 0.89	23

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

15V26




Female Compressor - Swivel - 45° Elbow

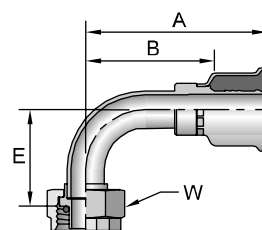
# Part Number	 Thread inch	 Hose I.D. inch	A		E		 W	B	
			inch	mm	inch	mm	inch	inch	mm
15V26-12-8	1x14	13/32	2.72	69	0.75	19	1-1/8	1.86	47
15V26-12-12	1x14	5/8	3.39	86	0.76	19	1-1/8	2.45	62



15W26




Female Compressor - Swivel - 90° Elbow

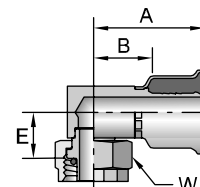
# Part Number	 Thread inch	 Hose I.D. inch	A		E		 W	B	
			inch	mm	inch	mm	inch	inch	mm
15W26-12-8	1x14	13/32	2.24	57	1.25	32	1.125	1.38	35
15W26-12-12	1x14	5/8	3.04	77	1.63	41	1.125	2.10	53



15Z26



Female Compressor - Swivel - 90° Elbow - Block Type

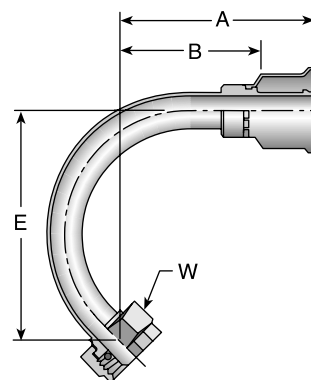
# Part Number	 Thread inch	 Hose I.D. inch	A		E		 W	B	
			inch	mm	inch	mm	inch	inch	mm
15Z26-12-8	1X14	0.40625	1.79	45	0.80	20	1.125	0.93	24
15Z26-12-12	1X14	0.625	1.87	47	0.80	20	1.125	0.93	24



1RV26

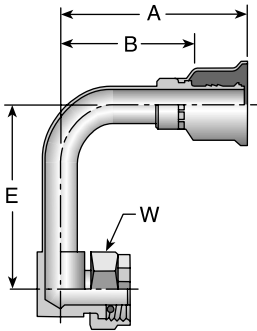
Female Compressor - Swivel - 135° Elbow




# Part Number	 Hose I.D. inch	A		E		 W	B	
		inch	mm	inch	mm	inch	inch	mm
1RV26-12-8	13/32	3.24	82	3.21	82	1-1/8	2.38	60
1RV26-12-12	5/8	2.32	59	3.21	82	1-1/8	1.38	35



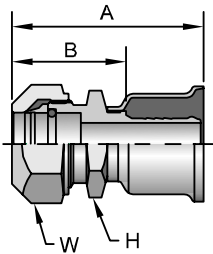
Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.




1RZ26
Female Compressor - Swivel - 180° Elbow - Block Type RZ



# Part Number	 Thread inch	 Hose I.D. inch	A		E		 W	B	
			inch	mm	inch	mm	inch	inch	mm
1RZ26-12-12	1x14	5/8	2.98	76	3.13	80	1-1/8	2.04	52

1T126
Male Refrigerant Tube Mender
(with Nut and Ferrule)



# Part Number	 Thread inch		 Hose I.D. inch	A		 H	B	
				inch	mm	inch	inch	mm
1T126-6-6	3/8	5/8x18	5/16	1.96	50	11/16	1.10	28
1T126-8-8	1/2	3/4x16	13/32	2.07	53	13/16	1.21	31
1T126-10-10	5/8	7/8x14	1/2	2.28	58	15/16	1.33	34
1T126-10-12	5/8	7/8x14	5/8	2.27	58	15/16	1.33	34
1T126-12-12	3/4	1-16x14	5/8	2.33	59	1-1/8	1.39	35

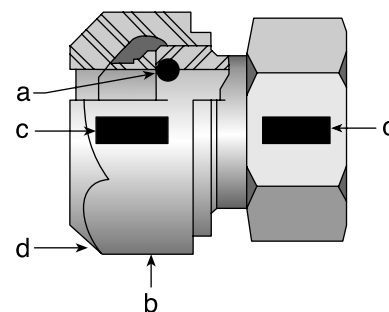
1T126 Assembly instructions on page B-25.

Use with 201, 206, 213, 221FR,
266, 285, 293, SS23CG hoses.

1T126

Fitting Installation Instructions

1. Cut the tube off squarely next to the hose fitting. At least 7/8" straight length is required and the outside diameter of the tube should be smooth and free from deep lengthwise scratches.
2. To prevent cutting the inside of the O-Ring, smoothly chamfer the outside diameter of the cut end 15° to 30°. Deburr the inside diameter.
3. Remove the nut, compression sleeve, and O-Ring from the fitting and lubricate the O-Ring with a lubricant that is compatible with the refrigerant used in the system.
4. Place the lubricated O-Ring in the counterbore of the fitting.
5. Slip the compression sleeve, small end, into the nut and assemble the nut on the fitting fingertight. Make sure the compression sleeve is not cocked in the nut. Back the nut off 1/6 to 1/3 turn (one to two hex flats).
6. Insert the chamfered tube end through the nut into the fitting. If high resistance is felt when the end of the tube contacts the O-Ring, remove the tube. The end of the tube may require a large chamfer and/or the O-Ring may require more lubrication on the inside diameter. Repeat the previous steps.
7. (a) Make sure the tube is bottomed in the fitting
(b) Tighten the nut finger tight
(c) Mark the fitting and nut hex indicating the starting point (see illustration) and
(d) Wrench tighten the nut 1 to 1-1/6 turns (6 to 7 hex flats).
8. Later, if it is ever necessary to loosen the connection, re-assemble the nut 1/6 turn (one hex flat) after finger tight.




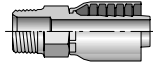
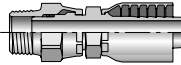
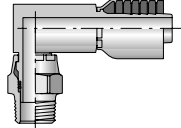
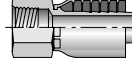
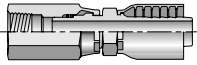
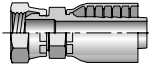
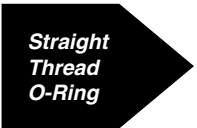
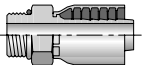
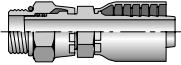
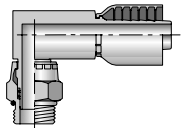

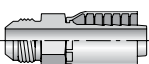
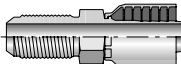
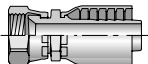
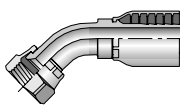
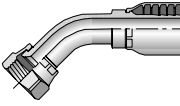
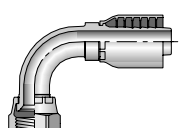
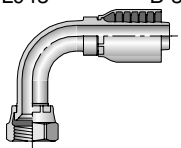
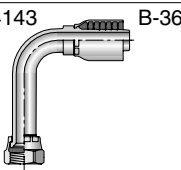
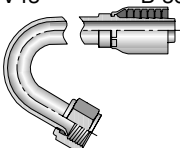

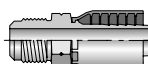
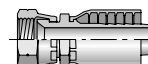
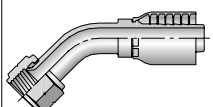
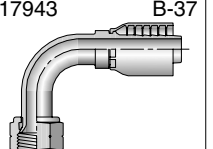

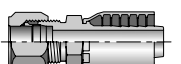
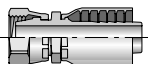
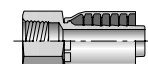

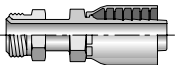
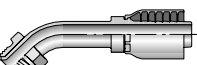
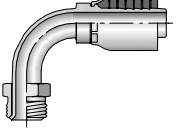

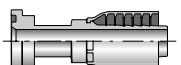
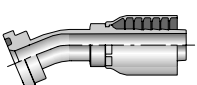
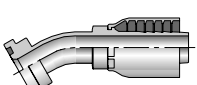
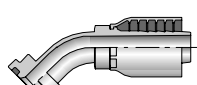
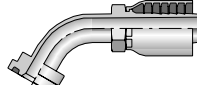
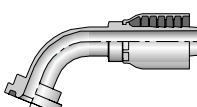
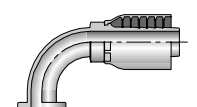

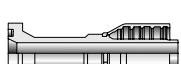
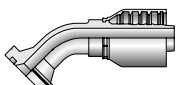
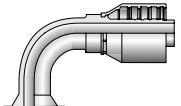

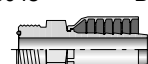
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PARKER HOSE PRODUCTS DIVISION
TECHNICAL SERVICES DEPARTMENT
PHONE: 02 9842 5110
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<http://www.parkerhose.com>

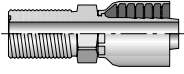
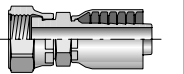
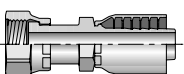
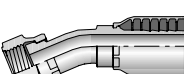
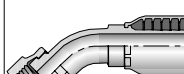

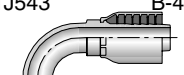
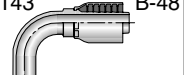




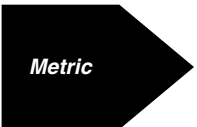
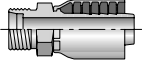
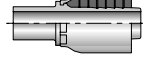
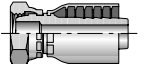
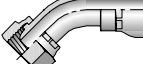

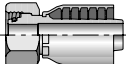



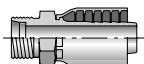
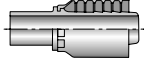
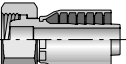
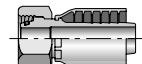



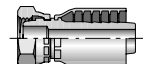

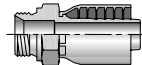
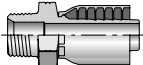
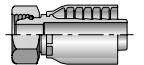


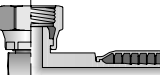
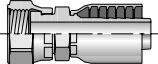

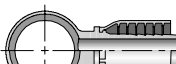
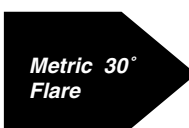
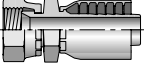
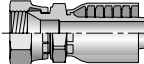

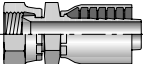

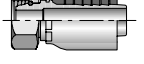
NOTES

B

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

	10143 B-29  Male - Rigid	11343 B-29  Male - Swivel	11L43 B-30  Male - Swivel 90° Elbow	10243 B-30  Female - Rigid	1S243 B-30  Female - Swivel
10743 B-31  Female - Swivel		10543 B-31  Male - Rigid	10G43 B-31  Male - Swivel	10L43 B-32  Male - Swivel 90° Elbow	
10343 B-32  Male - Rigid	1LB43 B-33  Male - Bulkhead	10643 B-33  Female - Swivel	13743 B-34  Female - Swivel 45° Elbow - Short	1L743 B-34  Female - Swivel 45° Elbow - Medium	13943 B-35  Female - Swivel 90° Elbow - Short
1L943 B-35  Female - Swivel 90° Elbow - Medium	14143 B-36  Female - Swivel 90° Elbow - Long	14V43 B-36  Female - Swivel 150° Elbow		10443 B-36  Male - Rigid	10843 B-36  Female - Swivel
17743 B-37  Female - Swivel 45° Elbow	17943 B-37  Female - Swivel 90° Elbow		11143 B-37  Male - Rigid	11243 B-38  Female - Swivel	1GJ43 B-38  Female - Rigid
	12843 B-38  Male - Swivel	16743 B-39  Male - Swivel 45° Elbow	16943 B-39  Male - Swivel 90° Elbow		11543 B-39  Flange Head
11643 B-40  22-1/2° Elbow	12643 B-40  30° Elbow	11743 B-40  45° Elbow	12743 B-41  60° Elbow	11843 B-41  67-1/2° Elbow	11943 B-41  90° Elbow
	16A43 B-42  Flange Head	16F43 B-42  45° Elbow	16N43 B-42  90° Elbow		1J043 B-43  Male - Rigid w/O-Ring




Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1JB43 B-43  Male - Bulkhead w/O-Ring	1JC43 B-44  Female - Swivel Short	1JS43 B-45  Female - Swivel Long	1J643 B-45  Female - Swivel 22-1/2° Elbow	1J743 B-46  Female - Swivel 45° Elbow	1J943 B-47  Female - Swivel 90° Elbow - Short
1J543 B-47  Female - Swivel 90° Elbow - Medium	1J143 B-48  Female - Swivel 90° Elbow - Long	 UPTC	1EN43 B-50  Male	1ET43 B-50  Male 90° Elbow	1EU43 B-50  Male 45° Elbow
 Metric	1D043 B-51  Male - Rigid	11D43 B-51  Male Standpipe Rigid	1C343 B-52  Female - Swivel	1C443 B-52  Female - Swivel 45° Elbow	1C543 B-52  Female - Swivel 90° Elbow
1CA43 B-53  Female - Swivel	1CE43 B-53  Female - Swivel 45° Elbow	1CF43 B-53  Female - Swivel 90° Elbow	 DIN "S" Series & DIN "S" w/O-Ring	1D243 B-54  Male - Rigid	13D43 B-54  Male Standpipe Rigid
1C643 B-54  Female - Swivel	1C943 B-55  Female - Swivel	10C43 B-55  Female - Swivel 45° Elbow	11C43 B-56  Female - Swivel 90° Elbow	 DIN 60° Cone	1C043 B-55  Female - Swivel
 BSP	1D943 B-56  Male - Rigid	19143 B-60  Male - Rigid	19243 B-60  Female - Swivel	1B143 B-57  Female - Swivel 45° Elbow	1B243 B-57  Female - Swivel 90° Elbow
1B443 B-57  Female - Swivel 90° Elbow - Block Type	1B543 B-58  Female - Swivel Flat Seat	 Banjo	14943 B-58  Metric Banjo	 Metric 30° Flare	1MU43 B-59  Female - Swivel
1XU43 B-59  Female - Swivel	 BSP	1FU43 B-59  Female - Swivel	 French Gaz	1F443 B-56  Female - Swivel	

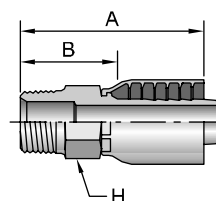
Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

10143

Male NPTF Pipe - Rigid

# Part Number	 Thread inch	 Hose I.D. inch	A		 H inch	B		Additional Material Stainless Steel (C)
			inch	mm		inch	mm	
10143-2-4	1/8x27	1/4	1.80	46	9/16	1.05	27	•
10143-4-4	1/4x18	1/4	2.01	51	9/16	1.26	32	
10143-4-5	1/4x18	5/16	1.94	49	11/16	1.19	30	
10143-4-6	1/4x18	3/8	2.28	58	3/4	1.25	32	
10143-6-4	3/8x18	1/4	1.86	47	11/16	1.11	28	
10143-6-5	3/8x18	5/16	1.94	49	11/16	1.19	30	
10143-6-6	3/8x18	3/8	2.37	60	3/4	1.34	34	•
10143-6-8	3/8x18	1/2	2.59	66	7/8	1.33	34	
10143-6-10	3/8x18	5/8	2.61	66	15/16	1.17	30	
10143-8-4	1/2x14	1/4	2.13	54	7/8	1.38	35	
10143-8-6	1/2x14	3/8	2.39	61	7/8	1.36	35	
10143-8-8	1/2x14	1/2	2.84	72	7/8	1.58	40	
10143-8-10	1/2x14	5/8	3.04	77	15/16	1.59	40	
10143-8-12	1/2x14	3/4	3.04	77	1-1/16	1.60	41	
10143-12-8	3/4x14	1/2	2.68	68	1-1/16	1.42	36	
10143-12-10	3/4x14	5/8	2.87	73	1-1/16	1.43	36	•
10143-12-12	3/4x14	3/4	3.09	78	1-1/16	1.65	42	
10143-12-16	3/4x14	1	3.40	86	1-3/8	1.78	45	
10143-16-12	1x11-1/2	3/4	3.09	78	1-3/8	1.65	42	•
10143-16-16	1x11-1/2	1	2.59	66	1-3/8	1.97	50	
10143-20-20	1-1/4x11-1/2	1-1/4	4.08	104	1-3/4	2.39	61	
10143-24-24	1-1/2x11-1/2	1-1/2	3.50	89	2	2.13	54	
10143-32-32	2x11-1/2	2	4.05	103	2-1/2	2.27	58	




Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.



B

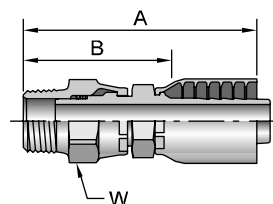
11343

Male NPTF Pipe - Swivel

# Part Number	 Thread inch	 Hose I.D. inch	A		 W inch	B	
			inch	mm		inch	mm
11343-2-4	1/8x27	1/4	2.94	75	5/8	2.19	56
11343-4-4	1/4x18	1/4	2.68	68	5/8	1.93	49
11343-4-6	1/4x18	3/8	3.01	76	5/8	1.98	50
11343-6-4	3/8x18	1/4	2.81	71	3/4	2.06	52
11343-6-6	3/8x18	3/8	3.08	78	3/4	2.05	52
11343-6-8	3/8x18	1/2	3.30	84	3/4	2.04	52
11343-8-6	1/2x14	3/8	3.30	84	7/8	2.27	58
11343-8-8	1/2x14	1/2	3.52	89	7/8	2.26	57
11343-12-12	3/4x14	3/4	3.93	100	1-1/4	2.49	63
11343-16-16	1x11-1/2	1	4.52	115	1-1/2	2.90	74

O-Ring not compatible with Phosphate Ester fluids.

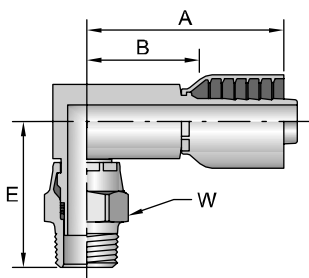
Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.






Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

11L43

Male NPTF Pipe - Swivel - 90° Elbow



# Part Number	 Thread inch	 Hose I.D. inch	A		E		 W	B	
			inch	mm	inch	mm	inch	inch	mm
11L43-4-4	1/4x18	1/4	2.23	57	1.79	45	5/8	1.48	38
11L43-4-6	1/4x18	3/8	2.53	64	1.85	47	5/8	1.50	38
11L43-6-6	3/8x18	3/8	2.53	64	1.94	49	3/4	1.50	38
11L43-8-6	1/2x14	3/8	2.66	68	2.17	55	7/8	1.63	41
11L43-8-8	1/2x14	1/2	2.96	75	2.17	55	7/8	1.70	43
11L43-12-12	3/4x14	3/4	3.32	84	2.46	62	1-1/4	1.88	48

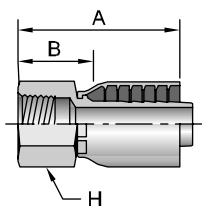
O-Ring not compatible with Phosphate Ester fluids.




Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.

B

10243

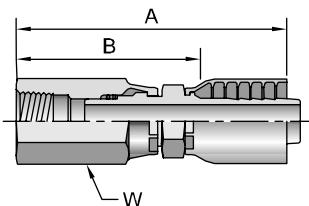
Female NPTF Pipe - Rigid






# Part Number	 Thread inch	 Hose I.D. inch	A		 H	B	
			inch	mm	inch	inch	mm
10243-2-4	1/8x27	1/4	1.68	43	5/8	0.93	24
10243-4-4	1/4x18	1/4	1.78	45	11/16	1.03	26
10243-4-6	1/4x18	3/8	2.05	52	3/4	1.02	26
10243-6-4	3/8x18	1/4	2.05	52	7/8	1.30	33
10243-6-6	3/8x18	3/8	2.32	59	7/8	1.29	33
10243-8-6	1/2x14	3/8	2.40	61	1-1/8	1.37	35
10243-8-8	1/2x14	1/2	2.62	67	1-1/8	1.36	35
10243-12-12	3/4x14	3/4	2.72	69	1-1/4	1.28	33

1S243

Female NPTF Pipe - Swivel



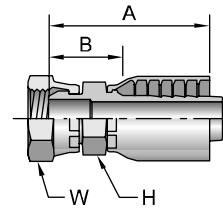
# Part Number	 Thread inch	 Hose I.D. inch	A		 W	B	
			inch	mm	inch	inch	mm
1S243-4-4	1/4x18	1/4	3.33	85	3/4	2.58	66

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

10743

Female NPSM Pipe - Swivel - (60° Cone)

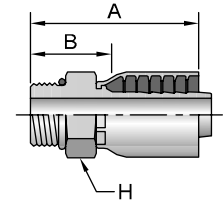
# Part Number	Thread		Hose I.D. inch	A		H inch	W inch	B	
	inch			inch	mm			inch	mm
10743-2-4	1/8x27		1/4	1.69	43	9/16	9/16	0.94	24
10743-4-4	1/4x18		1/4	1.74	44	9/16	11/16	0.99	25
10743-6-6	3/8x18		3/8	2.09	53	11/16	7/8	1.06	27
10743-8-8	1/2x14		1/2	2.32	59	15/16	1	1.06	27
10743-12-12	3/4x14		3/4	2.70	69	1-1/16	1-1/4	1.47	37
10743-16-16	1x11-1/2		1	3.09	78	1-3/8	1-1/2	1.47	37
10743-20-20	1-1/4x11-1/2		1-1/4	3.28	83	1-7/8	1-7/8	1.59	40



10543

Male SAE Straight Thread with O-Ring - Rigid

# Part Number	Thread		Hose I.D. inch	A		H inch	B	
	inch			inch	mm		inch	mm
10543-4-4	1/4	7/16x20	1/4	1.64	42	9/16	0.89	23
10543-5-4	5/16	1/2x20	1/4	1.80	46	5/8	1.05	27
10543-6-4	3/8	9/16x18	1/4	1.67	42	11/16	0.92	23
10543-6-6	3/8	9/16x18	3/8	2.10	53	11/16	1.07	27
10543-6-8	3/8	9/16x18	1/2	2.32	59	13/16	1.06	27
10543-8-6	1/2	3/4x16	3/8	2.11	54	7/8	1.08	27
10543-8-8	1/2	3/4x16	1/2	2.46	62	7/8	1.20	30
10543-10-6	5/8	7/8x14	3/8	2.13	54	1	1.10	28
10543-10-8	5/8	7/8x14	1/2	2.35	60	1	1.09	28
10543-10-10	5/8	7/8x14	5/8	2.77	70	1	1.33	34
10543-12-8	3/4	1-1/16x12	1/2	2.61	66	1-1/4	1.35	34
10543-12-10	3/4	1-1/16x12	5/8	2.80	71	1-1/4	1.36	35
10543-12-12	3/4	1-1/16x12	3/4	2.81	71	1-1/4	1.37	35
10543-16-12	1	1-5/16x12	3/4	2.81	71	1-1/2	1.37	35
10543-16-16	1	1-5/16x12	1	3.37	86	1-1/2	1.75	44
10543-20-20	1-1/4	1-5/8x12	1-1/4	3.69	94	1-7/8	2.00	51

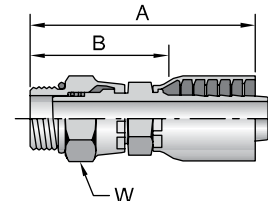


B

10G43

Male SAE Straight Thread with O-Ring - Swivel

# Part Number	Thread		Hose I.D. inch	A		W inch	B	
	inch			inch	mm		inch	mm
10G43-5-4	5/16	1/2x20	1/4	2.98	76	3/4	2.23	57
10G43-6-4	3/8	9/16x18	1/4	2.98	76	3/4	2.23	57
10G43-6-6	3/8	9/16x18	3/8	3.25	83	3/4	2.22	56
10G43-8-6	1/2	3/4x16	3/8	3.06	78	7/8	2.06	52
10G43-8-8	1/2	3/4x16	1/2	3.21	82	7/8	1.95	50
10G43-10-6	5/8	7/8x14	3/8	3.01	76	1	2.01	51
10G43-10-8	5/8	7/8x14	1/2	3.27	83	1	2.01	51
10G43-12-12	3/4	1-1/16x12	3/4	3.78	96	1-1/4	2.34	59



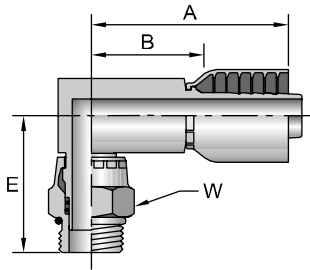
O-Ring not compatible with Phosphate Ester fluids.




Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

10L43

Male SAE Straight Thread with O-Ring - Swivel - 90° Elbow



# Part Number				A		E			B	
	Thread inch		Hose I.D. inch	inch	mm	inch	mm	W inch	inch	mm
10L43-6-6	3/8	9/16x18	3/8	2.53	64	2.10	53	3/4	1.50	38
10L43-8-6	1/2	3/4x16	3/8	2.66	68	1.86	47	7/8	1.63	41
10L43-8-8	1/2	3/4x16	1/2	2.96	75	1.87	47	7/8	1.70	43
10L43-10-8	5/8	7/8x14	1/2	2.96	75	1.92	49	1	1.70	43
10L43-12-12	3/4	1-1/16x12	3/4	3.22	82	2.30	58	1-1/4	1.88	48

O-Ring not compatible with Phosphate Ester fluids.

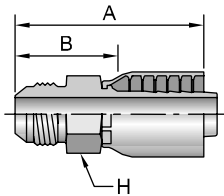
See Technical Section for pressure limitations.




Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.

10343

Male JIC 37° - Rigid

ISO 12151-5



# Part Number	 Thread inch		 Hose I.D. inch	A		 H	B	
				inch	mm	inch	inch	mm
10343-4-4	1/4	7/16x20	1/4	1.99	51	9/16	1.24	31
10343-5-4	5/16	1/2x20	1/4	1.83	46	9/16	1.08	27
10343-5-6	5/16	1/2x20	3/8	2.26	57	3/4	1.23	31
10343-6-4	3/8	9/16x18	1/4	1.84	47	11/16	1.09	28
10343-6-6	3/8	9/16x18	3/8	2.36	60	3/4	1.33	34
10343-8-6	1/2	3/4x16	3/8	2.30	58	7/8	1.27	32
10343-8-8	1/2	3/4x16	1/2	2.68	68	7/8	1.42	36
10343-8-10	1/2	3/4x16	5/8	2.85	72	7/8	1.41	36
10343-10-6	5/8	7/8x14	3/8	2.40	61	15/16	1.37	35
10343-10-8	5/8	7/8x14	1/2	2.62	67	15/16	1.36	35
10343-10-10	5/8	7/8x14	5/8	3.03	77	15/16	1.59	40
10343-12-8	3/4	1-1/16x12	1/2	2.76	70	1-1/8	1.50	38
10343-12-10	3/4	1-1/16x12	5/8	3.07	78	1-1/8	1.63	41
10343-12-12	3/4	1-1/16x12	3/4	3.19	81	1-1/8	1.75	44
10343-14-12	7/8	1-3/16x12	3/4	3.11	79	1-1/4	1.67	42
10343-16-12	1	1-5/16x12	3/4	3.04	77	1-3/8	1.60	41
10343-16-16	1	1-5/16x12	1	3.63	92	1-3/8	2.01	51
10343-20-20	1-1/4	1-5/8x12	1-1/4	3.96	101	1-7/8	2.27	58
10343-24-20	1-1/2	1-7/8x12	1-1/4	3.71	94	2	2.02	51

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

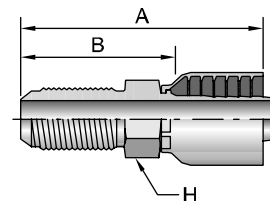
1LB43

Male JIC 37° - Bulkhead without Locknut

ISO 12151-5

# Part Number	Thread		Hose I.D. inch	A		H	B	
	inch			inch	mm		inch	mm
1LB43-4-4	1/4	7/16x20	1/4	2.64	67	9/16	1.89	48
1LB43-6-6	3/8	9/16x18	3/8	3.08	78	3/4	2.05	52
1LB43-8-8	1/2	3/4x16	1/2	3.46	88	7/8	2.20	56
1LB43-10-10	5/8	7/8x14	5/8	3.85	98	15/16	2.41	61
1LB43-12-12	3/4	1-1/16x12	3/4	4.08	104	1-1/8	2.64	67

Fittings are stocked less locknut (part no. WLN). Locknuts are manufactured by the Parker Tube Fittings Division and must be ordered separately.



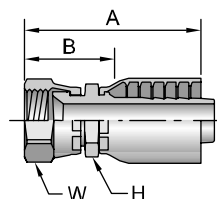
10643

Female JIC 37° - Swivel

ISO 12151-5

# Part Number	Thread		Hose I.D. inch	A		H	W	B		Additional Material Stainless Steel (C)
	inch			inch	mm			inch	mm	
10643-4-4	1/4	7/16x20	1/4	1.94	49	9/16	9/16	1.19	30	•
10643-4-6	1/4	7/16x20	3/8	2.20	56	11/16	9/16	1.17	30	
10643-5-4	5/16	1/2x20	1/4	2.03	52	9/16	5/8	1.28	33	
10643-5-5	5/16	1/2x20	5/16	2.08	53	11/16	5/8	1.33	34	
10643-5-6	5/16	1/2x20	3/8	2.26	57	11/16	5/8	1.23	31	
10643-6-4	3/8	9/16x18	1/4	2.05	52	9/16	11/16	1.30	33	
10643-6-5	3/8	9/16x18	5/16	2.10	53	11/16	11/16	1.35	34	
10643-6-6	3/8	9/16x18	3/8	2.29	58	11/16	11/16	1.26	32	•
10643-6-8	3/8	9/16x18	1/2	2.51	64	13/16	11/16	1.25	32	
10643-8-6	1/2	3/4x16	3/8	2.49	63	11/16	7/8	1.46	37	•
10643-8-8	1/2	3/4x16	1/2	2.63	67	13/16	7/8	1.37	35	•
10643-8-10	1/2	3/4x16	5/8	2.82	72	15/16	7/8	1.38	35	
10643-8-12	1/2	3/4x16	3/4	2.83	72	1-1/16	7/8	1.39	35	
10643-10-6	5/8	7/8x14	3/8	2.51	64	7/8	1	1.48	38	
10643-10-8	5/8	7/8x14	1/2	2.85	72	7/8	1	1.59	40	
10643-10-10	5/8	7/8x14	5/8	2.93	74	15/16	1	1.49	38	•
10643-10-12	5/8	7/8x14	3/4	2.93	74	1-1/16	1	1.49	38	
10643-12-8	3/4	1-1/16x12	1/2	2.78	71	1-1/16	1-1/4	1.52	39	
10643-12-10	3/4	1-1/16x12	5/8	3.10	79	1-1/16	1-1/4	1.66	42	
10643-12-12	3/4	1-1/16x12	3/4	3.17	81	1-1/16	1-1/4	1.73	44	•
10643-12-16	3/4	1-1/16x12	1	3.29	84	1-3/8	1-1/4	1.67	42	
10643-14-12	7/8	1-3/16x12	3/4	3.18	81	1-1/4	1-3/8	1.74	44	
10643-16-12	1	1-5/16x12	3/4	3.31	84	1-1/4	1-1/2	1.87	47	
10643-16-16	1	1-5/16x12	1	3.62	92	1-3/8	1-1/2	2.00	51	•
10643-20-16	1-1/4	1-5/8x12	1	3.81	97	1-5/8	2	2.19	56	
10643-20-20	1-1/4	1-5/8x12	1-1/4	3.94	100	1-7/8	2	2.25	57	•
10643-24-24	1-1/2	1-7/8x12	1-1/2	3.84	98	2-1/8	2-1/4	2.47	63	
10643-32-32	2	2-1/2x12	2	4.73	120	2-1/2	2-7/8	2.95	75	

Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.



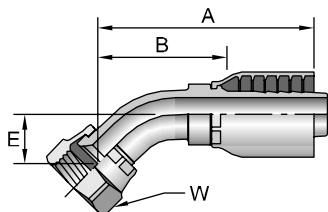
B

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

13743

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

ISO 12151-5

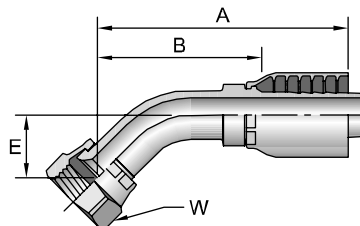


# Part Number	Thread inch		Hose I.D. inch	A inch mm		E inch mm		W inch	B inch mm	
13743-4-4	1/4	7/16x20	1/4	1.96	50	0.39	10	9/16	1.21	31
13743-5-4	5/16	1/2x20	1/4	2.19	56	0.39	10	5/8	1.44	37
13743-6-4	3/8	9/16x18	1/4	2.23	57	0.39	10	11/16	1.48	38
13743-6-6	3/8	9/16x18	3/8	2.39	61	0.39	10	11/16	1.39	35
13743-8-6	1/2	3/4x16	3/8	2.74	70	0.55	14	7/8	1.74	44
13743-8-8	1/2	3/4x16	1/2	2.83	72	0.55	14	7/8	1.57	40
13743-10-8	5/8	7/8x14	1/2	2.93	74	0.63	16	1	1.67	42
13743-10-10	5/8	7/8x14	5/8	3.17	81	0.63	16	1	1.73	44
13743-12-10	3/4	1-1/16x12	5/8	3.62	92	0.83	21	1-1/4	2.08	53
13743-12-12	3/4	1-1/16x12	3/4	3.63	92	0.78	20	1-1/4	2.19	56
13743-16-16	1	1-5/16x12	1	4.34	110	0.95	24	1-1/2	2.72	69
13743-20-20	1-1/4	1-5/8x12	1-1/4	4.59	117	1.19	30	2	2.82	72
13743-24-24	1-1/2	1-7/8x12	1-1/2	5.50	140	1.47	37	2-1/4	4.18	106

1L743

Female JIC 37° - Swivel - 45° Elbow - Medium Drop

ISO 12151-5



# Part Number	Thread inch		Hose I.D. inch	A inch mm		E inch mm		W inch	B inch mm	
1L743-6-6	3/8	9/16x18	3/8	2.66	62	0.59	15	11/16	1.63	41
1L743-8-8	1/2	3/4x16	1/2	3.17	80	0.72	18	7/8	1.91	49
1L743-12-12	3/4	1-1/16x12	3/4	4.23	107	1.06	27	1-1/4	2.79	71
1L743-16-16	1	1-5/16x12	1	4.51	115	1.07	27	1-1/2	2.89	73

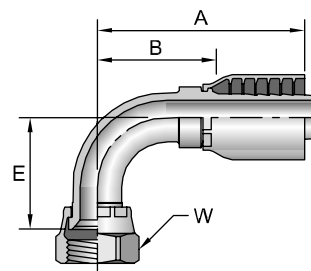
Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

13943

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

ISO 12151-5

# Part Number	Thread		Hose I.D. inch	A		E		W	B	
	inch			inch	mm	inch	mm		inch	mm
13943-4-4	1/4	7/16x20	1/4	1.78	45	0.83	21	9/16	1.03	26
13943-4-6	1/4	7/16x20	3/8	2.11	54	0.83	21	9/16	1.08	27
13943-5-4	5/16	1/2x20	1/4	1.88	48	0.83	21	5/8	1.13	29
13943-5-5	5/16	1/2x20	5/16	1.96	50	0.83	21	5/8	1.21	31
13943-6-4	3/8	9/16x18	1/4	2.12	54	0.85	22	11/16	1.37	35
13943-6-6	3/8	9/16x18	3/8	2.21	56	0.91	23	11/16	1.18	30
13943-6-8	3/8	9/16x18	1/2	2.51	64	0.85	22	11/16	1.25	32
13943-8-6	1/2	3/4x16	3/8	2.52	64	1.09	28	7/8	1.49	38
13943-8-8	1/2	3/4x16	1/2	2.62	67	1.14	29	7/8	1.36	35
13943-10-8	5/8	7/8x14	1/2	2.74	70	1.26	32	1	1.48	38
13943-10-10	5/8	7/8x14	5/8	2.97	75	1.26	32	1	1.69	39
13943-12-8	3/4	1-1/16x12	1/2	3.25	83	1.83	46	1-1/4	1.99	51
13943-12-10	3/4	1-1/16x12	5/8	3.07	78	1.89	48	1-1/4	1.63	41
13943-12-12	3/4	1-1/16x12	3/4	3.49	89	1.89	48	1-1/4	2.05	52
13943-16-12	1	1-5/16x12	3/4	3.49	89	2.00	51	1-1/2	2.05	52
13943-16-16	1	1-5/16x12	1	4.28	109	2.20	56	1-1/2	2.66	68
13943-20-20	1-1/4	1-5/8x12	1-1/4	4.43	113	2.59	66	2	2.74	70
13943-24-24	1-1/2	1-7/8x12	1-1/2	5.50	140	3.81	81	2-1/4	4.13	105



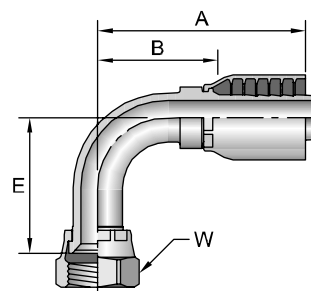
B

1L943

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

ISO 12151-5

# Part Number	Thread		Hose I.D. inch	A		E		W	B	
	inch			inch	mm	inch	mm		inch	mm
1L943-4-4	1/4	7/16x20	1/4	1.84	47	1.26	32	9/16	1.09	28
1L943-6-4	3/8	9/16x18	1/4	2.12	54	1.50	38	11/16	1.37	35
1L943-6-6	3/8	9/16x18	3/8	2.29	58	1.50	38	11/16	1.26	32
1L943-8-6	1/2	3/4x16	3/8	2.51	64	1.61	41	7/8	1.48	38
1L943-8-8	1/2	3/4x16	1/2	2.64	67	1.61	41	7/8	1.38	35
1L943-10-8	5/8	7/8x14	1/2	3.25	83	1.75	44	1	1.99	51
1L943-12-12	3/4	1-1/16x12	3/4	3.49	89	2.28	58	1-1/4	2.05	52
1L943-16-16	1	1-5/16x12	1	4.44	113	2.50	64	1-1/2	2.82	72

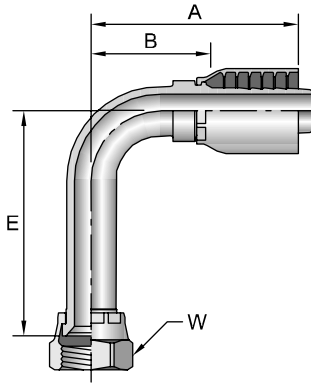


Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

14143

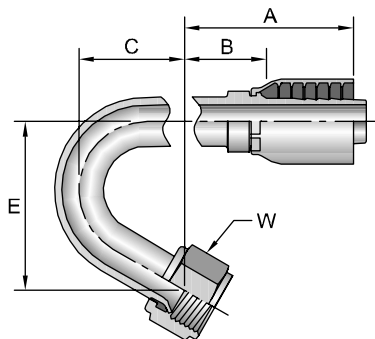
Female JIC 37° - Swivel - 90° Elbow - Long Drop

ISO 12151-5



# Part Number	Thread inch	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm	inch	inch	mm
14143-4-4	1/4	7/16x20	1/4	1.96	50	1.81	46	9/16	1.21 31
14143-5-4	5/16	1/2x20	1/4	1.93	49	1.80	46	5/8	1.18 30
14143-6-6	3/8	9/16x18	3/8	2.27	58	2.18	55	11/16	1.27 32
14143-8-6	1/2	3/4x16	3/8	2.56	65	2.43	62	7/8	1.56 40
14143-8-8	1/2	3/4x16	1/2	2.62	67	2.52	64	7/8	1.36 35
14143-10-8	5/8	7/8x14	1/2	2.78	71	2.58	66	1	1.52 39
14143-10-10	5/8	7/8x14	5/8	3.16	80	2.58	66	1	1.75 44
14143-12-12	3/4	1-1/16x12	3/4	3.49	89	3.74	95	1-1/4	2.05 52
14143-14-12	7/8	1-3/16x12	3/4	3.38	86	3.93	100	1-3/8	1.95 50
14143-16-16	1	1-5/16x12	1	3.90	99	4.32	110	1-1/2	2.31 59
14143-20-20	1-1/4	1-5/8x12	1-1/4	4.39	112	5.28	134	2	2.73 69

B



14V43

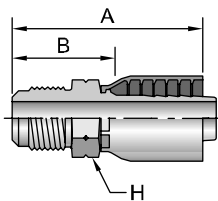
Female JIC 37° - Swivel - 150° Elbow

ISO 12151-5

# Part Number	Thread inch	Hose I.D. inch	A		C		E		W	B	
			inch	mm	inch	mm	inch	mm	inch	inch	mm
14V43-6-4	3/8	9/16x18	1/4	2.89	73	1.36	11/16	1.97	50	11/16	2.16 55

10443

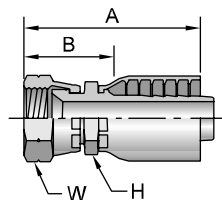
Male SAE 45° - Rigid



# Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
10443-6-6	3/8	5/8x18	3/8	2.21	56	3/4	1.21 31
10443-12-12	3/4	1-1/16x14	3/4	3.20	81	1-1/8	1.77 45

10843

Female SAE 45° - Swivel



# Part Number	Thread inch	Hose I.D. inch	A		H	W	B	
			inch	mm	inch	inch	inch	mm
10843-6-4	3/8	5/8x18	1/4	2.11	54	3/4	3/4	1.36 35
10843-6-6	3/8	5/8x18	3/8	2.38	60	3/4	3/4	1.35 34
10843-12-12	3/4	1-1/16x14	3/4	3.17	81	1-1/16	1-1/4	1.73 44

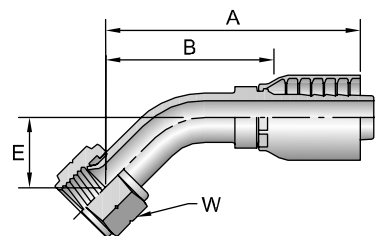
Notch on nut signifies SAE 45° flare.

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

17743

Female SAE 45° - Swivel - 45° Elbow

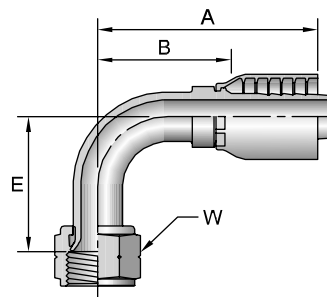
#	Thread	Hose I.D.	A		E		W	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
17743-4-6	1/4 7/16x20	3/8	2.28	58	0.33	8	9/16	1.25	32



17943

Female SAE 45° - Swivel - 90° Elbow

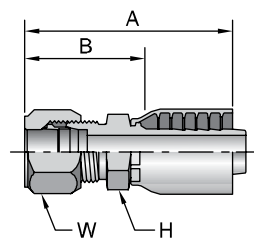
#	Thread	Hose I.D.	A		E		W	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
17943-6-6	3/8 5/8x18	3/8	2.13	54	0.85	22	3/4	1.13	29



11143

Male Ferulok Flareless - Rigid (24° Cone with Nut and Ferrule)

#	Thread		Hose I.D.	A		H	W	B	
Part Number	inch		inch	inch	mm	inch	inch	inch	mm
11143-4-4	1/4	7/16x20	1/4	2.13	54	9/16	9/16	1.40	36
11143-4-6	1/4	7/16x20	3/8	2.44	62	3/4	9/16	1.44	37
11143-5-4	5/16	1/2x20	1/4	2.13	54	9/16	5/8	1.40	36
11143-5-6	5/16	1/2x20	3/8	2.44	62	3/4	5/8	1.44	37
11143-6-6	3/8	9/16x18	3/8	2.50	64	3/4	11/16	1.50	38
11143-8-8	1/2	3/4x16	1/2	2.93	74	7/8	7/8	1.68	43
11143-10-8	5/8	7/8x14	1/2	3.07	78	15/16	1	1.82	46
11143-12-12	3/4	1-1/16x12	3/4	3.39	86	1-1/8	1-1/4	1.96	50
11143-16-16	1	1-5/16x12	1	3.80	97	1-3/8	1-1/2	2.18	55



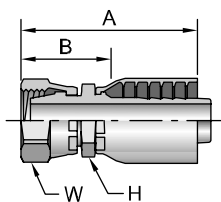
The Parker Ferrul-Fix fitting makes it possible to salvage the bent tube section from a hose assembly for quick, easy on-the-job repairs. For additional information see Ferrule-Fix installation instructions in the Technical Section.

Notch on nut signifies SAE 45° flare.

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

11243

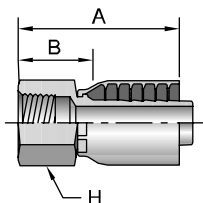
Female Ferulok Flareless - Swivel - (24° Cone)



# Part Number	Thread inch		Hose I.D. inch	A inch mm		H inch	W inch	B inch mm	
11243-6-6	3/8	9/16x18	3/8	2.51	64	11/16	11/16	1.48	38
11243-8-6	1/2	3/4x16	3/8	2.67	68	7/8	7/8	1.64	42
11243-8-8	1/2	3/4x16	1/2	2.89	73	7/8	7/8	1.63	41

1GJ43

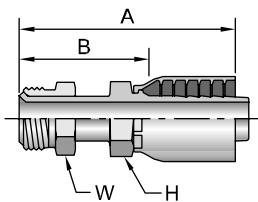
Female Grease Connection - SPL - PTF Taper Thread Rigid - 1/2 x 27



# Part Number	Thread inch	Hose I.D. inch	A inch mm		H inch	B inch mm	
1GJ43-4-4	1/2x27	1/4	1.79	45	3/4	1.04	26
1GJ43-4-6	1/2x27	3/8	2.05	52	3/4	1.02	26

12843

Male Inverted SAE 45° - Swivel






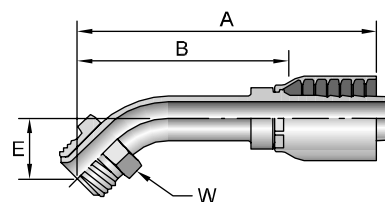
# Part Number	Thread inch		Hose I.D. inch	A inch mm		H inch	W inch	B inch mm	
12843-4-4	1/4	7/16x24	1/4	2.32	59	9/16	7/16	1.57	40
12843-4-6	1/4	7/16x24	3/8	2.65	67	11/16	7/16	1.62	41
12843-5-4	5/16	1/2x20	1/4	2.60	66	9/16	1/2	1.85	47
12843-5-6	5/16	1/2x20	3/8	2.74	70	11/16	1/2	1.71	43
12843-6-6	3/8	5/8x18	3/8	2.86	73	11/16	5/8	1.83	46
12843-7-6	7/16	11/16x18	3/8	2.95	75	11/16	11/16	1.92	49
12843-8-8	1/2	3/4x18	1/2	3.11	79	13/16	3/4	1.85	47
12843-10-10	5/8	7/8x18	5/8	3.55	90	3/4	7/8	2.11	54

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

16743




Male Inverted SAE 45° - Swivel - 45° Elbow

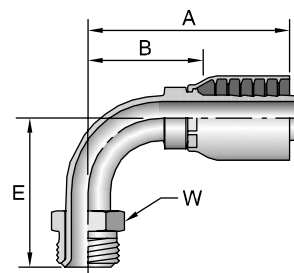
# Part Number	 Thread inch		 Hose I.D. inch	A inch mm		E inch mm		 W inch	B inch mm	
16743-4-4	1/4	7/16x24	1/4	2.09	53	0.63	16	7/16	1.34	34
16743-4-6	1/4	7/16x24	3/8	2.42	61	0.63	16	7/16	1.39	35
16743-5-4	5/16	1/2x20	1/4	2.34	59	0.70	18	1/2	1.59	40
16743-5-6	5/16	1/2x20	3/8	2.48	63	0.70	18	1/2	1.45	37
16743-6-6	3/8	5/8x18	3/8	2.93	74	0.94	24	5/8	1.90	48
16743-8-8	1/2	3/4x18	1/2	3.23	82	1.09	28	3/4	1.97	50



16943

Male Inverted SAE 45° - Swivel - 90° Elbow

#										
Part Number	Thread		Hose I.D.	A		E		W	B	
	inch		inch	inch	mm	inch	mm	inch	inch	mm
16943-4-4	1/4	7/16x24	1/4	2.16	55	1.56	40	7/16	1.41	36
16943-4-6	1/4	7/16x24	3/8	2.49	63	1.56	40	7/16	1.46	37
16943-5-4	5/16	1/2x20	1/4	2.41	61	1.65	42	1/2	1.66	42
16943-5-6	5/16	1/2x20	3/8	2.59	66	1.65	42	1/2	1.56	40
16943-6-6	3/8	5/8x18	3/8	2.61	66	1.69	43	5/8	1.58	40
16943-7-6	7/16	11/16x18	3/8	2.53	64	1.72	44	11/16	1.50	38
16943-8-8	1/2	3/4x18	1/2	2.81	71	1.88	48	3/4	1.55	39






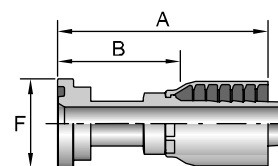
B

11543

SAE Code 61 Flange Head

ISO 12151-3 - S - L

# Part Number	 Flange inch	 Hose I.D. inch	A		 F	B	
			inch	mm	inch	inch	mm
11543-8-8	1/2	1/2	3.48	88	1-3/16	2.22	56
11543-10-10	5/8	5/8	3.78	96,0	1-11/32	2.34	59,4
11543-12-8	3/4	1/2	2.46	62,5	1-1/2	1.20	30,5
11543-12-12	3/4	3/4	3.54	90	1-1/2	2.10	53
11543-16-12	1	3/4	2.74	70	1-3/4	1.30	33
11543-16-16	1	1	4.25	108	1-3/4	2.63	67
11543-20-16	1-1/4	1	3.19	81	2	1.57	40
11543-20-20	1-1/4	1-1/4	4.70	119	2	3.01	76
11543-24-20	1-1/2	1-1/4	3.22	82	2-3/8	1.53	39
11543-24-24	1-1/2	1-1/2	4.59	117	2-3/8	3.22	82
11543-24-32	1-1/2	2	5.65	144	2-7/8	3.87	98
11543-32-20	2	1-1/4	4.29	109,0	2-13/16	2.60	66,0
11543-32-24	2	1-1/2	3.14	80	2-7/8	1.77	45
11543-32-32	2	2	4.99	127	2-13/16	3.21	82



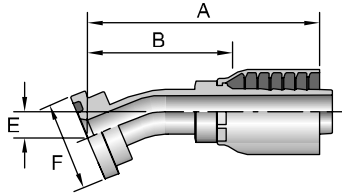
See Accessories Section for O-Rings and Flange Kits.

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

11643

SAE Code 61 Flange Head - 22-1/2° Elbow

ISO 12151-3 - E22M - L

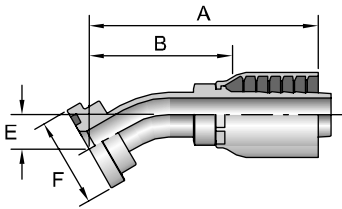


#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
11643-12-12	3/4	3/4	3.90	99	0.44	11	1-1/2	2.47	63
11643-16-12	1	3/4	3.89	99	0.44	11	1-3/4	2.46	62
11643-16-16	1	1	4.25	108	0.44	11	1-3/4	2.66	68
11643-20-16	1-1/4	1	4.25	108	0.44	11	2	2.66	68
11643-20-20	1-1/4	1-1/4	4.65	118	0.50	13	2	3.00	76
11643-24-20	1-1/2	1-1/4	4.66	118	0.51	13	2-3/8	3.01	76

12643

SAE Code 61 Flange Head - 30° Elbow

ISO 12151-3 - E30S - L (1 Piece: ISO 12151-3 - E30M - L)

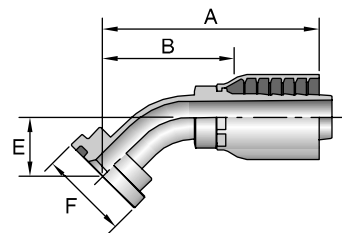


#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
12643-12-12	3/4	3/4	3.90	99	0.59	15	1-1/2	2.46	62
12643-16-16	1	1	4.38	111	0.62	16	1-3/4	2.76	70
12643-20-16	1-1/4	1	4.38	111	0.62	16	2	2.76	70
12643-20-20	1-1/4	1-1/4	4.39	112	0.72	18	2	2.70	69

11743

SAE Code 61 Flange Head - 45° Elbow

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)



#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
11743-8-8	1/2	1/2	3.28	83	0.77	20	1-3/16	2.02	51
11743-10-10	5/8	5/8	4.63	118	0.94	24	1-11/32	3.19	81
11743-12-8	3/4	1/2	3.32	84	0.81	21	1-1/2	2.06	52
11743-12-12	3/4	3/4	3.85	98	1.02	26	1-1/2	2.41	61
11743-16-12	1	3/4	3.85	98	1.02	26	1-3/4	2.41	61
11743-16-16	1	1	4.76	121	1.26	32	1-3/4	3.14	80
11743-20-16	1-1/4	1	4.76	121	1.26	32	2	3.14	80
11743-20-20	1-1/4	1-1/4	5.61	142	1.50	38	2	3.92	100
11743-20-24	1-1/4	1-1/2	5.45	138	1.38	35	2	4.08	104
11743-24-20	1-1/2	1-1/4	5.55	141	1.496	38	2-3/8	3.86	98
11743-24-24	1-1/2	1-1/2	5.50	140	1.43	36	2-3/8	4.13	105
11743-32-24	2	1-1/2	5.49	139	1.42	36	2-13/16	4.12	105
11743-32-32	2	2	7.23	184	1.98	50	2-13/16	5.45	138

See Accessories Section for O-Rings and Flange Kits.

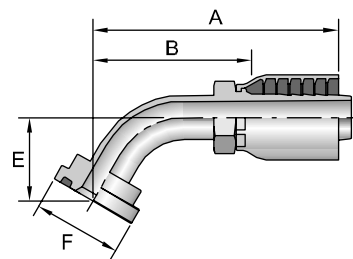
Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

12743

SAE Code 61 Flange Head - 60° Elbow

ISO 12151-3 - E60S - L (1 Piece: ISO 12151-3 - E60M - L)

#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
12743-12-12	3/4	3/4	4.16	105	1.43	36	1-1/2	2.72	69
12743-16-12	1	3/4	4.15	105	1.39	35	1-3/4	2.71	69
12743-16-16	1	1	4.45	113	1.50	38	1-3/4	2.83	72
12743-20-20	1-1/4	1-1/4	5.09	129	1.69	43	2	3.40	86

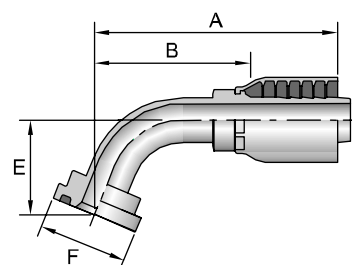


11843

SAE Code 61 Flange Head - 67-1/2° Elbow

ISO 12151-3 - E67S - L (1 Piece: ISO 12151-3 - E67M - L)

#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
11843-12-12	3/4	3/4	4.09	104	1.60	41	1-1/2	2.66	68
11843-16-16	1	1	4.66	118	1.75	44	1-3/4	3.07	78
11843-20-20	1-1/4	1-1/4	5.04	128	1.94	49	2	3.37	86



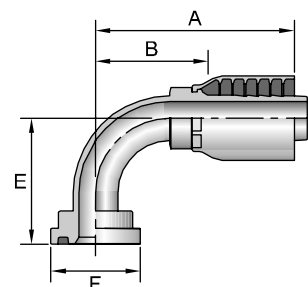
B

11943

SAE Code 61 Flange Head - 90° Elbow

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
11943-8-8	1/2	1/2	2.93	74	1.60	41	1-3/16	1.67	42
11943-10-10	5/8	5/8	3.71	94	2.10	53	1-11/32	2.27	58
11943-12-8	3/4	1/2	2.93	74	1.66	42	1-1/2	1.67	42
11943-12-10	3/4	5/8	3.71	94	2.10	53	1-1/2	2.27	58
11943-12-12	3/4	3/4	3.51	89	2.28	58	1-1/2	2.07	53
11943-16-8	1	1/2	2.91	74	2.03	52	1-3/4	1.65	42
11943-16-12	1	3/4	3.52	89	2.28	58	1-3/4	1.92	53
11943-16-16	1	1	4.28	109	2.78	71	1-3/4	2.66	68
11943-20-16	1-1/4	1	4.25	108	2.76	70	2	2.63	67
11943-20-20	1-1/4	1-1/4	5.12	130	3.54	90	2	3.43	87
11943-24-20	1-1/2	1-1/4	5.09	129	3.54	90	2-3/8	3.40	86
11943-20-24	1-1/4	1-1/2	4.19	106	2.49	63	2	2.82	72
11943-24-24	1-1/2	1-1/2	5.50	140	3.11	79	2-3/8	4.13	105
11943-32-24	2	1-1/2	5.48	139	3.10	79	2-13/16	4.11	104
11943-32-32	2	2	6.75	171	4.48	114	2-13/16	4.97	126



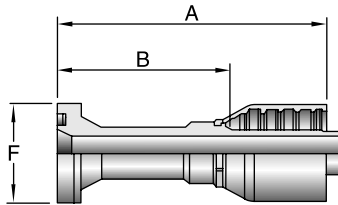
See Accessories Section for O-Rings and Flange Kits.




Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

16A43

SAE Code 62 Flange Head

ISO 12151-3 - S - S

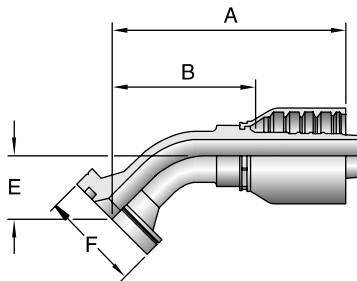





#			A		B		
Part Number	inch	inch	inch	mm	inch	mm	inch
16A43-12-12	3/4	3/4	4.12	104,6	2.68	68,0	1-5/8
16A43-16-12	1	3/4	3.10	78,7	1.66	42,2	1-7/8
16A43-16-16	1	1	4.81	122,2	3.19	81,0	1-7/8
16A43-20-16	1-1/4	1	3.61	91,7	1.99	50,5	2-1/8
16A43-20-20	1-1/4	1-1/4	5.01	127,3	3.32	84,3	2-1/8

16F43

SAE Code 62 Flange Head

ISO 12151-3 - E45S - S (1 Piece 12151-3-E45M-S)

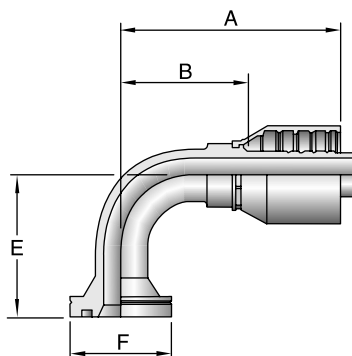





#			A		B			E	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
16F43-12-12	3/4	3/4	3.82	97,0	2.38	60,5	1-5/8	1.02	25,9
16F43-16-16	1	1	4.66	118,4	3.04	77,2	1-7/8	1.26	32,0
16F43-20-16	1-1/4	1	4.57	116,1	2.95	74,9	2-1/8	1.06	26,9

16N43

SAE Code 62 Flange Head

ISO 12151-3 - E90S - S (1 Piece 12151-3-E90M-S)






#			A		B			E	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
16N43-12-12	3/4	3/4	3.51	89,2	2.07	52,6	1-5/8	2.28	57,9
16N43-16-12	1	3/4	3.49	88,6	2.05	52,1	1-7/8	2.28	57,9
16N43-16-16	1	1	4.28	108,7	2.66	67,6	1-7/8	2.76	70,1
16N43-20-16	1-1/4	1	4.28	108,7	2.66	67,6	2-1/8	2.76	70,1
16N43-20-20	1-1/4	1-1/4	5.09	129,3	3.40	86,4	2-1/8	3.54	90,0

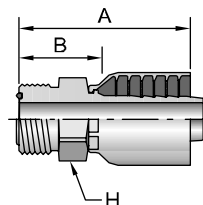
Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1J043

Male Seal-Lok® - Rigid - (with O-Ring)

ISO 12151-1 - S




# Part Number	 Thread inch		 Hose I.D. inch	A		 H	B	
				inch	mm		inch	mm
1J043-4-4	1/4	9/16x18	1/4	1.73	44	5/8	0.98	25
1J043-6-6	3/8	11/16x16	3/8	2.08	53	3/4	1.05	27
1J043-8-6	1/2	13/16x16	3/8	2.20	56	7/8	1.17	30
1J043-8-8	1/2	13/16x16	1/2	2.42	61	7/8	1.17	30
1J043-10-8	5/8	1x14	1/2	2.61	66	1-1/16	1.35	34
1J043-10-10	5/8	1x14	5/8	2.73	69	1-1/16	1.34	34
1J043-12-10	3/4	1-3/16x12	5/8	2.89	73	1-1/4	1.45	37
1J043-12-12	3/4	1-3/16x12	3/4	2.90	74	1-1/4	1.46	37
1J043-16-12	1	1-7/16x12	3/4	2.93	74	1-1/2	1.49	38
1J043-16-16	1	1-7/16x12	1	3.29	84	1-1/2	1.67	42
1J043-20-20	1-1/4	1-11/16x12	1-1/4	3.32	84	1-3/4	1.63	41

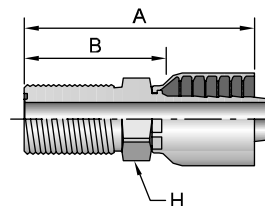


1JB43

Male Seal-Lok® - Bulkhead without Locknut - (with O-Ring)

End Connection per ISO 8434-3-BH

# Part Number	 Thread inch		 Hose I.D. inch	A		 H	B	
				inch	mm		inch	mm
1JB43-4-4	1/4	9/16x18	1/4	2.58	66	5/8	1.83	46
1JB43-6-6	3/8	11/16x16	3/8	2.98	76	3/4	1.95	50
1JB43-8-6	1/2	13/16x16	3/8	3.41	87	7/8	2.38	60
1JB43-8-8	1/2	13/16x16	1/2	3.36	85	7/8	2.10	53
1JB43-10-8	5/8	1x14	1/2	3.58	91	1-1/16	2.32	59
1JB43-10-10	5/8	1x14	5/8	3.77	96	1-1/16	2.33	59
1JB43-12-12	3/4	1-3/16x12	3/4	3.87	98	1-1/4	2.43	62



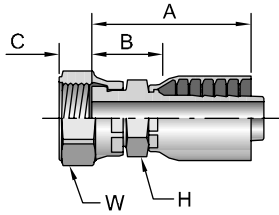
Fittings are stocked less locknut (part no. WLNL). Locknuts are manufactured by the Parker Tube Fittings Division and must be ordered separately.





See Accessories Section for O-Rings and Flange Kits.

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1JC43

Female Seal-Lok® - Swivel - Short
ISO 12151-1 - SWSA



# Part Number	 Thread		 Hose I.D.	 A		 C		H	W	B		Additional Material Stainless Steel (C)
	inch		inch	inch	mm	inch	mm	inch	inch	inch	mm	
1JC43-4-4	1/4	9/16x18	1/4	1.63	41	0.32	8	9/16	11/16	0.88	22	●
1JC43-4-4-SM	1/4	9/16x18	1/4	1.63	41	0.32	8	17 mm	17 mm	0.88	22	
1JC43-4-6	1/4	9/16x18	3/8	1.90	48	0.32	8	11/16	11/16	0.87	22	
1JC43-6-4	3/8	11/16x16	1/4	1.67	42	0.32	8	11/16	13/16	0.92	23	
1JC43-6-4-SM	3/8	11/16x16	1/4	1.67	42	0.32	8	17 mm	22 mm	0.92	23	
1JC43-6-5	3/8	11/16x16	5/16	1.65	42	0.32	8	11/16	13/16	0.90	23	
1JC43-6-6	3/8	11/16x16	3/8	1.94	49	0.32	8	11/16	13/16	0.91	23	●
1JC43-6-6-SM	3/8	11/16x16	3/8	1.94	49	0.32	8	19 mm	22 mm	0.91	23	
1JC43-8-6	1/2	13/16x16	3/8	2.00	51	0.43	11	13/16	15/16	0.97	25	
1JC43-8-6-SM	1/2	13/16x16	3/8	2.00	51	0.43	11	19 mm	24 mm	0.97	25	●
1JC43-8-8	1/2	13/16x16	1/2	2.22	56	0.43	11	13/16	15/16	0.96	24	
1JC43-8-8-SM	1/2	13/16x16	1/2	2.22	56	0.43	11	22 mm	24 mm	0.96	24	
1JC43-10-8	5/8	1x14	1/2	2.30	58	0.53	13	15/16	1-1/8	1.04	26	●
1JC43-10-8-SM	5/8	1x14	1/2	2.30	58	0.53	13	24 mm	30 mm	1.04	26	
1JC43-10-10	5/8	1x14	5/8	2.49	63	0.53	13	15/16	1-1/8	1.05	27	
1JC43-10-10-SM	5/8	1x14	5/8	2.49	63	0.53	13	24 mm	30 mm	1.05	27	
1JC43-12-8	3/4	1-3/16x12	1/2	2.48	63	0.57	14	1-1/8	1-3/8	1.22	31	
1JC43-12-10	3/4	1-3/16x12	5/8	2.67	68	0.57	14	1-1/8	1-3/8	1.23	31	
1JC43-12-10-SM	3/4	1-3/16x12	5/8	2.67	68	0.57	14	32 mm	36 mm	1.23	31	●
1JC43-12-12	3/4	1-3/16x12	3/4	2.68	68	0.57	14	1-1/8	1-3/8	1.24	31	
1JC43-12-12-SM	3/4	1-3/16x12	3/4	2.68	68	0.57	14	32 mm	36 mm	1.24	31	
1JC43-12-16	3/4	1-3/16x12	1	2.99	76	0.57	14	1-5/16	1-3/8	1.37	35	
1JC43-16-12	1	1-7/16x12	3/4	2.83	72	0.58	15	1-3/8	1-5/8	1.39	35	
1JC43-16-16	1	1-7/16x12	1	3.14	80	0.58	15	1-3/8	1-5/8	1.52	39	
1JC43-20-20	1-1/4	1-11/16x12	1-1/4	3.27	83	0.59	15	1-7/8	1-7/8	1.58	40	●

When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.
Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2.
See CrimpSource for more information.

See Accessories Section for O-Rings.

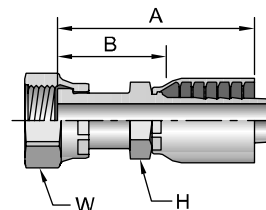
Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1JS43

Female Seal-Lok® - Swivel - Long

ISO 12151-1 SWSB

# Part Number	Thread inch	Hose I.D. inch	A		H inch	W inch	B	
			inch	mm			inch	mm
1JS43-4-4	1/4	9/16x18	1/4	2.07	53	9/16	11/16	1.32 34
1JS43-4-6	1/4	9/16x18	3/8	2.21	56	11/16	11/16	1.18 30
1JS43-6-4	3/8	11/16x16	1/4	2.14	54	9/16	13/16	1.39 35
1JS43-6-6	3/8	11/16x16	3/8	2.28	58	11/16	13/16	1.25 32
1JS43-6-8	3/8	11/16x16	1/2	2.50	64	13/16	13/16	1.24 31
1JS43-8-4	1/2	13/16x16	1/4	2.26	57	11/16	15/16	1.51 38
1JS43-8-6	1/2	13/16x16	3/8	2.53	64	11/16	15/16	1.50 38
1JS43-8-8	1/2	13/16x16	1/2	2.65	67	13/16	15/16	1.39 35
1JS43-8-10	1/2	13/16x16	5/8	2.82	72	15/16	15/16	1.38 35
1JS43-10-6	5/8	1x14	3/8	2.63	67	11/16	1-1/8	1.62 41
1JS43-10-8	5/8	1x14	1/2	2.89	73	13/16	1-1/8	1.63 41
1JS43-10-10	5/8	1x14	5/8	3.07	78	15/16	1-1/8	1.66 42
1JS43-10-12	5/8	1x14	3/4	3.08	78	1-1/16	1-1/8	1.64 42
1JS43-12-8	3/4	1-3/16x12	1/2	2.90	74	15/16	1-3/8	1.64 42
1JS43-12-10	3/4	1-3/16x12	5/8	3.19	81	1-1/8	1-3/8	1.75 44
1JS43-12-12	3/4	1-3/16x12	3/4	3.31	84	1-1/8	1-3/8	1.87 47
1JS43-12-16	3/4	1-3/16x12	1	3.53	90	1-5/16	1-3/8	1.91 49
1JS43-16-12	1	1-7/16x12	3/4	3.37	86	1-3/8	1-5/8	1.93 49
1JS43-16-16	1	1-7/16x12	1	3.62	92	1-3/8	1-5/8	2.00 51
1JS43-16-20	1	1-7/16x12	1-1/4	3.77	96	1-3/4	1-5/8	2.08 53
1JS43-20-16	1-1/4	1-11/16x12	1	3.64	92	1-3/8	1-7/8	2.02 51
1JS43-20-20	1-1/4	1-11/16x12	1-1/4	3.77	96	1-3/4	1-7/8	2.15 53
1JS43-24-20	1-1/2	2x12	1-1/4	3.88	99	1-3/4	2-1/4	2.23 57
1JS43-24-24	1-1/2	2x12	1-1/2	3.91	99	1-7/8	2-1/4	2.54 65



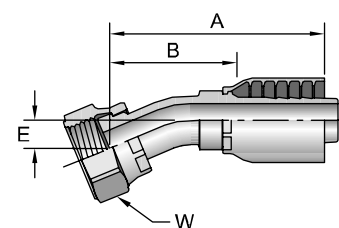
B

1J643

Female Seal-Lok® - Swivel - 22-1/2° Elbow

End Connection per ISO 8434-3-SWE

# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B	
			inch	mm	inch	mm		inch	mm
1J643-8-8	1/2	13/16x16	1/2	3.06	78	0.39	10	15/16	1.80 46



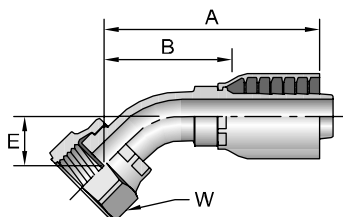
See Accessories Section for O-Rings.




Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1J743

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45



# Part Number	 Thread inch		 Hose I.D. inch	A		E		 W inch	B	
				inch	mm	inch	mm		inch	mm
1J743-4-4	1/4	9/16x18	1/4	1.97	50	0.39	10	11/16	1.22	31
1J743-4-4-SM	1/4	9/16x18	1/4	1.97	50	0.39	10	17 mm	1.22	31
1J743-4-6	1/4	9/16x18	3/8	2.23	57	0.39	10	11/16	1.20	30
1J743-6-4	3/8	11/16x16	1/4	2.08	53	0.43	11	13/16	1.33	34
1J743-6-4-SM	3/8	11/16x16	1/4	2.08	53	0.43	11	22 mm	1.33	34
1J743-6-5	3/8	11/16x16	5/16	2.37	60	0.43	11	13/16	1.62	41
1J743-6-6	3/8	11/16x16	3/8	2.34	59	0.43	11	13/16	1.31	33
1J743-6-8	3/8	11/16x16	1/2	2.66	68	0.43	11	13/16	1.41	36
1J743-8-4	1/2	13/16x16	1/4	2.56	65	0.59	15	15/16	1.81	46
1J743-8-6	1/2	13/16x16	3/8	2.53	64	0.59	15	15/16	1.50	38
1J743-8-6-SM	1/2	13/16x16	3/8	2.53	64	0.59	15	24 mm	1.50	38
1J743-8-8	1/2	13/16x16	1/2	2.83	72	0.59	15	15/16	1.57	40
1J743-8-8-SM	1/2	13/16x16	1/2	2.83	72	0.59	15	24 mm	1.57	40
1J743-8-10	1/2	13/16x16	5/8	3.09	78	0.59	15	15/16	1.65	42
1J743-10-8	5/8	1x14	1/2	2.93	74	0.63	16	1-1/8	1.67	42
1J743-10-10	5/8	1x14	5/8	3.17	81	0.63	16	1-1/8	1.73	44
1J743-10-10-SM	5/8	1x14	5/8	3.17	81	0.63	16	30 mm	1.73	44
1J743-10-12	5/8	1x14	3/4	3.36	85	0.65	16	1-1/8	1.93	49
1J743-12-8	3/4	1-3/16x12	1/2	3.57	91	0.82	21	1-3/8	2.31	59
1J743-12-10	3/4	1-3/16x12	5/8	3.62	92	0.83	21	1-3/8	2.18	55
1J743-12-12	3/4	1-3/16x12	3/4	3.63	92	0.83	21	1-3/8	2.19	56
1J743-12-12-SM	3/4	1-3/16x12	3/4	3.63	92	0.83	21	36 mm	2.19	56
1J743-12-16	3/4	1-3/16x12	1	3.67	93	0.81	21	1-3/8	2.05	52
1J743-16-12	1	1-7/16x12	3/4	4.02	102	0.94	24	1-5/8	2.59	66
1J743-16-16	1	1-7/16x12	1	4.38	111	0.94	24	1-5/8	2.76	70
1J743-16-20	1	1-7/16x12	1-1/4	4.59	117	0.94	24	1-5/8	2.94	75
1J743-20-16	1-1/4	1-11/16x12	1	4.52	115	1.00	25	1-7/8	2.93	74
1J743-20-20	1-1/4	1-11/16x12	1-1/4	4.78	121	1.00	25	1-7/8	3.09	78
1J743-24-20	1-1/2	2x12	1-1/4	4.99	127	1.11	28	2-1/4	3.30	84
1J743-24-24	1-1/2	2x12	1-1/2	4.70	119	1.07	27	2-1/4	3.33	85




See Accessories Section for O-Rings.

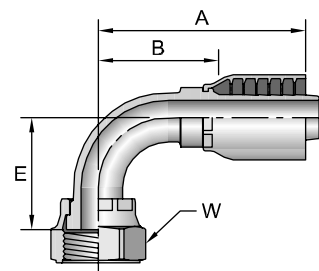
Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1J943

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

ISO 12151-1 - SWES90

# Part Number	 Thread inch		 Hose I.D. inch	A inch mm		E inch mm		 W inch	B inch mm	
1J943-4-4	1/4	9/16x18	1/4	1.78	45	0.83	21	11/16	1.03	26
1J943-4-6	1/4	9/16x18	3/8	2.05	52	0.83	21	11/16	1.02	26
1J943-6-4	3/8	11/16x16	1/4	1.93	49	0.91	23	13/16	1.18	30
1J943-6-5	3/8	11/16x16	5/16	2.25	57	0.90	23	13/16	1.50	38
1J943-6-6	3/8	11/16x16	3/8	2.21	56	0.91	23	13/16	1.18	30
1J943-6-8	3/8	11/16x16	1/2	2.53	64	0.90	23	13/16	1.27	32
1J943-8-4	1/2	13/16x16	1/4	2.28	58	1.15	29	15/16	1.53	39
1J943-8-6	1/2	13/16x16	3/8	2.28	58	1.14	29	15/16	1.25	32
1J943-8-8	1/2	13/16x16	1/2	2.59	66	1.14	29	15/16	1.33	34
1J943-8-8-SM	1/2	13/16x16	1/2	2.59	66	1.14	29	24 mm	1.33	34
1J943-8-10	1/2	13/16x16	5/8	2.81	71	1.15	29	15/16	1.37	35
1J943-10-8	5/8	1x14	1/2	2.74	70	1.26	32	1-1/8	1.48	38
1J943-10-10	5/8	1x14	5/8	2.97	75	1.26	32	1-1/8	1.53	39
1J943-10-10-SM	5/8	1x14	5/8	2.97	75	1.26	32	30 mm	1.53	39
1J943-10-12	5/8	1x14	3/4	3.08	78	1.27	32	1-1/8	1.64	42
1J943-12-8	3/4	1-3/16x12	1/2	3.21	82	1.89	48	1-3/8	1.95	50
1J943-12-10	3/4	1-3/16x12	5/8	3.49	89	1.89	48	1-3/8	2.05	52
1J943-12-12	3/4	1-3/16x12	3/4	3.06	78	1.89	48	1-3/8	2.05	52
1J943-12-16	3/4	1-3/16x12	1	3.88	99	1.89	48	1-3/8	2.26	57
1J943-16-12	1	1-7/16x12	3/4	4.06	103	2.22	56	1-5/8	2.62	67
1J943-16-16	1	1-7/16x12	1	4.31	109	2.20	56	1-5/8	2.69	68
1J943-16-20	1	1-7/16x12	1-1/4	4.56	116	2.21	56	1-5/8	2.87	73
1J943-20-16	1-1/4	1-11/16x12	1	4.64	118	2.54	65	1-7/8	3.02	80
1J943-20-20	1-1/4	1-11/16x12	1-1/4	4.88	124	2.51	64	1-7/8	3.19	81
1J943-24-20	1-1/2	2x12	1-1/4	4.97	126	2.70	69	2-1/4	3.32	84
1J943-24-24	1-1/2	2x12	1-1/2	5.50	140	2.68	68	2-1/4	4.13	105






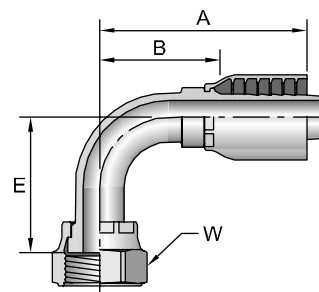
B

1J543

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

ISO 12151-1 - SWEM90

# Part Number	 Thread inch		 Hose I.D. inch	A		E		 W	B	
				inch	mm	inch	mm	inch	inch	mm
1J543-4-4	1/4	9/16x18	1/4	2.07	53	1.26	32	11/16	1.32	34
1J543-6-4	3/8	11/16x16	1/4	2.12	54	1.50	38	13/16	1.37	35
1J543-6-6	3/8	11/16x16	3/8	2.40	61	1.50	38	13/16	1.37	35
1J543-6-6-SM	3/8	11/16x16	3/8	2.40	61	1.50	38	22 mm	1.37	35
1J543-8-6	1/2	13/16x16	3/8	2.48	63	1.61	41	15/16	1.45	37
1J543-8-8	1/2	13/16x16	1/2	2.59	66	1.61	41	15/16	1.33	34
1J543-10-8	5/8	1x14	1/2	2.74	70	1.85	47	1-1/8	1.48	38
1J543-10-10	5/8	1x14	5/8	2.97	75	1.85	47	1-1/8	1.53	39
1J543-10-12	5/8	1x14	3/4	3.12	79	1.88	48	1-1/8	1.68	43
1J543-12-12	3/4	1-3/16x12	3/4	3.49	89	2.28	58	1-3/8	2.05	52
1J543-16-16	1	1-7/16x12	1	4.86	123	2.78	71	1-5/8	3.27	83
1J543-20-20	1-1/4	1-11/16x12	1-1/4	4.89	124	3.09	78	1-7/8	3.20	81



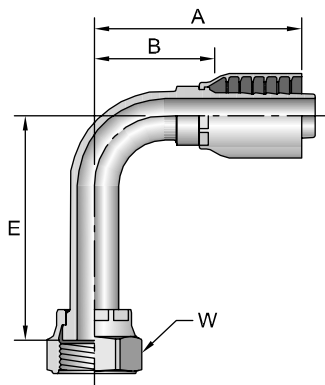
See Accessories Section for O-Rings.




Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1J143

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

ISO 12151-1 - SWEL90



# Part Number	 Thread inch	 Hose I.D. inch	A		E		 W	B	
			inch	mm	inch	mm	inch	inch	mm
1J143-4-4	1/4 9/16x18	1/4	2.02	51	1.81	46	11/16	1.27	32
1J143-6-4	3/8 11/16x16	1/4	2.26	57	2.29	58	13/16	1.51	38
1J143-6-6	3/8 11/16x16	3/8	2.39	61	2.13	54	13/16	1.36	35
1J143-8-6	1/2 13/16x16	3/8	2.45	62	2.52	64	15/16	1.42	36
1J143-8-8	1/2 13/16x16	1/2	2.59	66	2.52	64	15/16	1.33	34
1J143-8-8-SM	1/2 13/16x16	1/2	2.59	66	2.52	64	24 mm	1.33	34
1J143-10-8	5/8 1x14	1/2	2.74	70	2.79	71	1-1/8	1.48	38
1J143-10-10	5/8 1x14	5/8	2.97	75	2.76	70	1-1/8	1.53	39
1J143-10-12	5/8 1x14	3/4	3.15	80	2.76	70	1-1/8	1.73	44
1J143-12-12	3/4 1-3/16x12	3/4	3.49	89	3.78	96	1-3/8	2.05	52
1J143-16-16	1 1-7/16x12	1	4.28	109	4.49	114	1-5/8	2.66	68
1J143-20-20	1-1/4 1-11/16x12	1-1/4	4.84	123	5.09	129	1-7/8	3.15	80
1J143-24-20	1-1/2 2x12	1-1/4	4.77	121	5.54	141	2-1/4	3.12	79

Universal Push-to-Connect (UPTC) Introduction

Traditionally, the fluid power industry has used threaded connectors to make a leak free connection. The speed of making connections is slow and the reliability of the connection is dependent on proper assembly procedures. Parker's UPTC connectors rely on a mechanical retaining mechanism (other than threads) to create a seal.

Tools are not required for assembly, and the reliability and speed of making connections with the UPTC design is greatly improved compared to traditional threaded connections.

Features

- Available in sizes 1/4", 3/8", 1/2", 5/8", and 3/4"
- Uses standard Seal-Lok adapters for a wide variety of configurations, as well as excellent field serviceability
- Meets or exceeds SAE 100R2 pressure ratings (see Fig. 2)
- Includes visual and tactile installation indicators
- Seal-aligning nipple eliminates hose twist during assembly
- No special tooling required for disassembly
- Uses elastomeric seals, including Parker's patented Trap-Seal

Design and Construction

UPTC Seal-Lok consists of a base Seal-Lok ORFS fitting, a UPTC nut (including internal sealing and retaining elements), a dust O-Ring, and a UPTC hose assembly or rigid tube, as shown in figure 1. The base ORFS fitting is a highly reliable and widely available off-the-shelf standard SAE J1453 adapter. The sealing O-Ring is supported by a pressure energized anti-extrusion ring that prevents O-Ring extrusion and ensures tight sealing even under high pressure.

Once fully engaged, the retaining element is positively trapped between the male and UPTC nut. The dust O-Ring keeps contamination out and serves as a full engagement visual indicator. A clear tactile feeling at the end of the push indicates a proper connection. Once a proper connection is made, the dust O-Ring is covered by the UPTC nut. This also serves as a positive visual indicator of full engagement for easy inspection and quality control.

Once connected, the UPTC nut is permanently attached to the UPTC hose end similar to a traditional swivel nut. To disconnect, just use a wrench to unscrew the UPTC nut from the base adapter. Re-connect is possible by tightening the UPTC nut back to the base adapter, if the connection is not damaged. If the hose or tube is damaged, they can be replaced by installing a new UPTC assembly or a readily available standard Seal-Lok ORFS hose or tube assembly.



Fig. 1a

Fig. 1b

Fig. 1a — This is a Tube Fittings Division part. Information can be found in Catalog 4300.

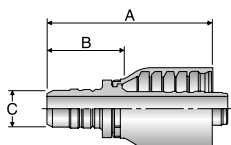
UPTC Pressure Ratings

Size	Pressure (psi)	Pressure (Bar)
-4	5800	400
-6	5000	345
-8	4250	293
-10	4000	276
-12	3125	216

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1EN43

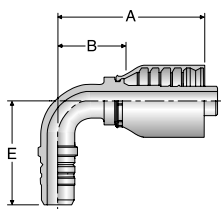
UPTC Male



Part Number	Hose End Size inch	A inch	B inch	inch	C Nominal Connection Size mm
1EN43-8-4	1/4	1.83	1.08	0.31	8
1EN43-12-6	3/8	2.15	1.12	0.47	12
1EN43-15-8	1/2	2.51	1.25	0.59	15
1EN43-18-10	5/8	2.78	1.34	0.71	18
1EN43-22-12	3/4	2.81	1.37	0.87	22

1ET43

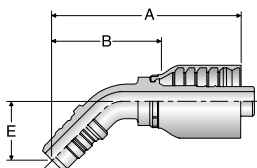
UPTC Male 90° Elbow



Part Number	Hose End Size inch	A inch	B inch	inch	C Nominal Connection Size mm	E inch
1ET43-8-4	1/4	1.78	1.03	0.31	8	1.54
1ET43-12-6	3/8	2.21	1.18	0.47	12	1.54
1ET43-15-8	1/2	2.51	1.25	0.59	15	1.77
1ET43-18-10	5/8	2.97	1.53	0.71	18	2.24
1ET43-22-12	3/4	3.43	1.99	0.87	22	2.50

1EU43

UPTC Male 45° Elbow






Part Number	Hose End Size inch	A inch	B inch	inch	C Nominal Connection Size mm	E inch
1EU43-8-4	1/4	2.48	1.73	0.31	8	0.91
1EU43-12-6	3/8	2.83	1.80	0.47	12	0.91
1EU43-15-8	1/2	3.17	1.91	0.59	15	0.99
1EU43-18-10	5/8	3.68	2.24	0.71	18	1.26
1EU43-22-12	3/4	3.76	2.32	0.87	22	1.30

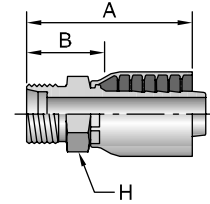
Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1D043

Male Metric L - Rigid - (24° Cone)

ISO 12151-2

# Part Number	 Thread mm		 Hose I.D. inch	A		 H mm	B	
				inch	mm		inch	mm
1D043-6-4	6	M12x1,5	1/4	1.73	44	14	0.93	24
1D043-8-4	8	M14x1,5	1/4	1.61	41	14	0.93	24
1D043-10-5	10	M16x1,5	5/16	1.97	50	19	0.83	21
1D043-10-6	10	M16x1,5	3/8	1.97	50	19	0.83	21
1D043-12-5	12	M18x1,5	5/16	1.89	48	19	0.94	24
1D043-12-6	12	M18x1,5	3/8	1.97	50	19	0.83	21
1D043-15-6	15	M22x1,5	3/8	1.93	49	22	1.02	26
1D043-15-8	15	M22x1,5	1/2	2.28	58	22	0.94	24
1D043-18-10	18	M26x1,5	5/8	2.68	68	27	1.14	29
1D043-18-12	18	M26x1,5	3/4	2.68	68	27	1.14	29
1D043-22-12	22	M30x2	3/4	2.72	69	30	1.22	31
1D043-28-16	28	M36x2	1	3.11	79	36	1.30	33
1D043-35-20	35	M45x2	1-1/4	3.35	85	46	1.50	38





B

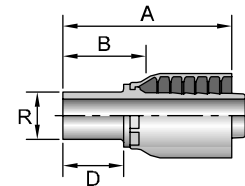
11D43

Male Standpipe Metric L - Rigid

End Connection per ISO 8434-1-SDS

# Part Number	 R mm	 Hose I.D. inch	A		D		B	
			inch	mm	inch	mm	inch	mm
11D43-6-4	6	1/4	2.03	52	0.87	22	1.28	33
11D43-10-5	10	5/16	2.36	60	0.91	23	1.45	37
11D43-10-6	10	3/8	2.28	58	0.91	23	1.14	29
11D43-12-4	12	1/4	2.17	55	0.91	23	1.22	31
11D43-15-8	15	1/2	2.56	65	0.98	25	1.22	31
11D43-18-10	18	5/8	2.99	76	1.02	26	1.48	38
11D43-18-12	18	3/4	2.80	71	1.02	26	1.22	31
11D43-22-12	22	3/4	2.87	73	1.10	28	1.26	32
11D43-28-16	28	1	3.31	84	1.18	30	1.46	37

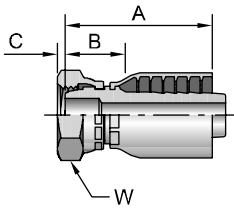
Metric L: Mates with EO "L" Series Fittings. See Accessories Section for O-Rings.



Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1C343

Female Metric L - Swivel - (Ball Nose)

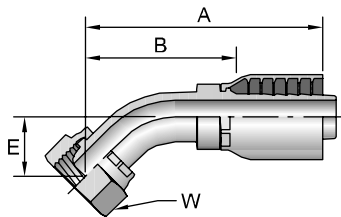


# Part Number	Thread mm	Hose I.D. inch	A inch mm		C inch mm		W mm	B inch mm	
1C343-6-4	6 M12x1,5	1/4	1.75	44	0.09	2	14	1.16	29
1C343-8-4	8 M14x1,5	1/4	1.77	45	0.11	3	17	1.16	29
1C343-10-5	10 M16x1,5	5/16	2.01	51	0.06	2	19	1.20	30
1C343-10-6	10 M16x1,5	3/8	2.06	52	0.06	2	19	1.10	28
1C343-12-5	12 M18x1,5	5/16	1.87	47	0.10	3	22	0.70	18
1C343-12-6	12 M18x1,5	3/8	2.23	57	0.10	3	22	1.18	30
1C343-15-6	6 M22x1,5	3/8	1.85	47	0.16	4	27	0.71	18
1C343-15-8	15 M22x1,5	1/2	2.42	61	0.17	4	27	1.29	33
1C343-18-10	18 M26x1,5	5/8	2.65	67	0.10	3	32	1.23	31
1C343-18-12	18 M26x1,5	3/4	2.80	71	0.10	3	32	1.37	35
1C343-22-12	22 M30x2	3/4	2.87	73	0.18	5	36	1.42	36
1C343-28-16	28 M36x2	1	3.35	85	0.22	6	46	1.76	45

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

1C443

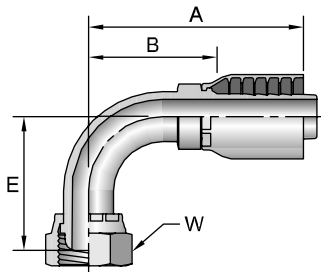
Female Metric L - Swivel - 45° Elbow - (Ball Nose)



# Part Number	Thread mm	Hose I.D. inch	A inch mm		E inch mm		W mm	B inch mm	
1C443-8-4	8 M14x1,5	1/4	2.40	61	0.59	15	17	1.50	38
1C443-10-5	10 M16x1,5	5/16	2.60	66	0.67	17	19	1.61	41
1C443-10-6	10 M16x1,5	3/8	2.76	70	0.67	17	19	1.61	41
1C443-12-6	12 M18x1,5	3/8	2.76	70	0.67	17	22	1.61	41
1C443-15-8	15 M22x1,5	1/2	3.35	85	0.79	20	27	1.97	50
1C443-18-10	18 M26x1,5	5/8	4.09	104	1.14	29	32	2.52	64
1C443-22-12	22 M30x2	3/4	3.78	96	0.91	23	36	2.20	56
1C443-28-16	28 M36x2	1	4.53	115	1.10	28	46	2.81	71

1C543

Female Metric L - Swivel - 90° Elbow - (Ball Nose)



# Part Number	Thread mm	Hose I.D. inch	A inch mm		E inch mm		W mm	B inch mm	
1C543-8-4	8 M14x1,5	1/4	2.05	52	1.10	28	17	1.18	30
1C543-10-5	10 M16x1,5	5/16	2.20	56	1.18	30	19	1.22	31
1C543-10-6	10 M16x1,5	3/8	2.40	61	1.18	30	19	1.40	36
1C543-12-6	12 M18x1,5	3/8	2.40	61	1.22	31	22	1.40	36
1C543-15-8	15 M22x1,5	1/2	2.95	75	1.57	40	27	1.57	40
1C543-18-10	18 M26x1,5	5/8	3.58	91	2.36	60	32	2.05	52
1C543-22-12	22 M30x2	3/4	3.58	91	1.97	50	36	2.00	51
1C543-28-16	28 M36x2	1	4.33	110	2.48	63	46	2.56	65

Metric L: Mates with EO "L" Series Fittings.

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

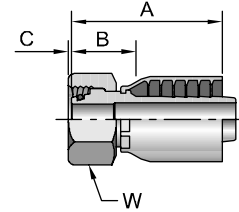
1CA43

Female Metric L - Swivel - (24° Cone with O-Ring)

ISO 12151-2 - SWS

# Part Number	Thread mm	Hose I.D. inch	A		C	W mm	B	
			inch	mm			inch	mm
1CA43-6-4	6 M12x1,5	1/4	1.73	44	-0.02	14	0.88	22
1CA43-8-4	8 M14x1,5	1/4	1.73	44	-0.01	17	0.88	22
1CA43-8-5	8 M14x1,5	5/16	1.97	50	0.00	17	1.02	26
1CA43-10-4	10 M16x1,5	1/4	1.81	46	0.04	19	0.87	22
1CA43-10-5	10 M16x1,5	5/16	1.81	46	0.04	19	0.87	22
1CA43-12-5	12 M18x1,5	5/16	1.81	46	0.04	22	0.91	23
1CA43-12-6	12 M18x1,5	3/8	1.89	48	0.03	22	0.75	19
1CA43-15-8	15 M22x1,5	1/2	2.20	56	0.07	27	0.82	21
1CA43-18-10	18 M26x1,5	5/8	2.44	62	0.02	32	0.87	22
1CA43-18-12	18 M26x1,5	3/4	2.56	65	0.02	32	1.02	26
1CA43-22-12	22 M30x2	3/4	2.48	63	0.13	36	0.94	24
1CA43-28-16	28 M36x2	1	3.07	78	0.14	41	1.30	33
1CA43-35-20	35 M45x2	1-1/4	3.23	82	0.00	50	1.38	35

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



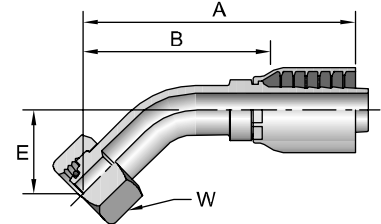
B

1CE43

Female Metric L - Swivel - 45° Elbow - (24° Cone with O-Ring)

ISO 12151-2 - SWE45

# Part Number	Thread mm	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	mm		inch	mm
1CE43-6-4	6 M12x1,5	1/4	2.68	68	0.75	19	14	1.77	45
1CE43-8-4	8 M14x1,5	1/4	2.32	59	0.63	16	17	1.38	35
1CE43-10-5	10 M16x1,5	5/16	2.64	67	0.59	15	19	1.69	43
1CE43-10-6	10 M16x1,5	3/8	2.95	75	0.75	19	19	1.85	47
1CE43-12-6	12 M18x1,5	3/8	2.72	69	0.75	19	22	1.53	39
1CE43-15-8	15 M22x1,5	1/2	3.19	81	0.87	22	27	1.81	46
1CE43-18-10	18 M26x1,5	5/8	3.50	89	0.91	23	32	1.93	49
1CE43-22-12	22 M30x2	3/4	3.86	98	1.02	26	36	2.28	58

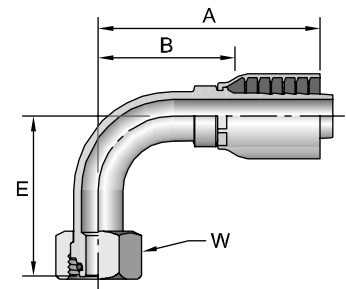


1CF43

Female Metric L - Swivel - 90° Elbow - (24° Cone with O-Ring)

ISO 12151-2 - SWE

# Part Number	Thread mm	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	mm		inch	mm
1CF43-8-4	8 M14x1,5	1/4	2.01	51	1.14	29	17	1.10	28
1CF43-10-5	10 M16x1,5	5/16	2.40	61	1.16	29	19	1.46	37
1CF43-10-6	10 M16x1,5	3/8	2.56	65	1.38	35	19	1.46	37
1CF43-12-5	12 M18x1,5	5/16	2.40	61	1.18	30	22	1.46	37
1CF43-12-6	12 M18x1,5	3/8	2.52	64	1.42	36	22	1.38	35
1CF43-15-8	15 M22x1,5	1/2	2.80	71	1.69	43	27	1.46	37
1CF43-18-10	18 M26x1,5	5/8	3.17	81	1.77	45	32	1.61	41
1CF43-22-12	22 M30x2	3/4	3.50	89	2.17	55	36	1.93	49
1CF43-35-20	35 M45x2	1-1/4	5.12	130	3.11	79	50	3.27	83



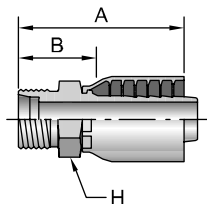
Metric L: Mates with EO "L" Series Fittings.

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1D243

Male Metric S - Rigid - (24° Cone)

ISO 12151-2

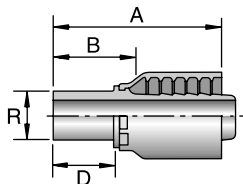


# Part Number	Thread mm		Hose I.D. inch	A inch mm		H mm	B inch mm	
1D243-8-4	8	M16x1,5	1/4	1.73	44	17	0.87	22
1D243-10-4	10	M18x1,5	1/4	1.73	44	19	0.87	22
1D243-12-5	12	M20x1,5	5/16	2.20	56	22	1.29	33
1D243-12-6	12	M20x1,5	3/8	1.97	50	22	1.02	26
1D243-14-6	14	M22x1,5	3/8	2.17	55	22	0.98	25
1D243-16-8	16	M24x1,5	1/2	2.36	60	24	1.17	30
1D243-20-10	20	M30x2	5/8	2.95	75	30	1.44	37
1D243-25-12	25	M36x2	3/4	2.87	73	36	1.30	33
1D243-30-16	30	M42x2	1	3.39	86	46	1.54	39

13D43

Male Standpipe Metric S - Rigid

End Connection per ISO 8434-1-SDS

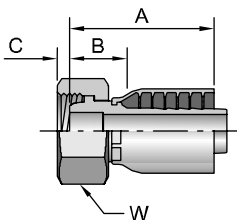


# Part Number	R mm	Hose I.D. inch	A inch mm		D inch mm		B inch mm	
13D43-10-4	10	1/4	2.13	54	1.02	26	1.26	32
13D43-12-5	12	5/16	2.52	64	1.02	26	1.61	41
13D43-14-6	14	3/8	2.52	64	1.14	29	1.38	35
13D43-16-8	16	1/2	2.68	68	1.18	30	1.42	36
13D43-20-10	20	5/8	3.39	86	1.42	36	1.88	48
13D43-20-12	20	3/4	3.19	81	1.42	36	1.57	40
13D43-25-12	25	3/4	3.35	85	1.57	40	1.73	44
13D43-30-16	30	1	3.82	97	1.73	44	2.01	51

Light Series 11D43-6-4, 11D43-8-4 and 11D43-12-6 are used in place of their Heavy Series equivalent size and accept the EO Heavy "S" Series ferrules and nuts.

1C643

Female Metric S - Swivel - (Ball Nose)



# Part Number	Thread mm		Hose I.D. inch	A inch mm		C inch mm		W mm	B inch mm	
1C643-8-4	8	M16x1,5	1/4	1.57	40	0.15	4	19	1.20	30
1C643-10-4	10	M18x1,5	1/4	1.63	41	0.10	3	22	1.20	30
1C643-12-5	12	M20x1,5	5/16	1.87	47	0.08	2	24	1.20	30
1C643-12-6	12	M20x1,5	3/8	1.76	45	0.08	2	24	1.32	34
1C643-12-8	12	M20x1,5	1/2	2.18	55	0.08	2	24	1.30	33
1C643-14-6	14	M22x1,5	3/8	1.94	49	0.17	4	27	1.32	34
1C643-16-8	16	M24x1,5	1/2	2.13	54	0.19	5	30	1.39	35
1C643-20-10	20	M30x2	5/8	2.38	60	0.21	5	36	1.39	35
1C643-20-12	20	M30x2	3/4	2.46	62	0.21	5	40	1.03	37
1C643-25-12	25	M36x2	3/4	2.48	63	0.28	7	46	1.56	40
1C643-30-16	30	M42x2	1	2.89	73	0.37	9	50	1.95	50

Metric L: Mates with EO "L" Series Fittings.

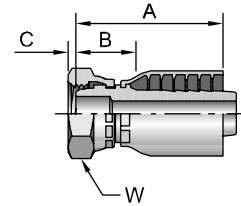
Metric S: Mates with EO "S" Series Fittings.

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1C043

Female Metric - Swivel - (Ball Nose)

# Part Number	Thread		Hose I.D. inch	A		C		W mm	B	
	mm			inch	mm	inch	mm		inch	mm
1C043-20-12	20	M30x1,5	3/4	2.48	63	0.21	5	36	0.94	24
1C043-25-16	25	M38x1,5	1	2.99	76	0.28	7	46	1.14	29

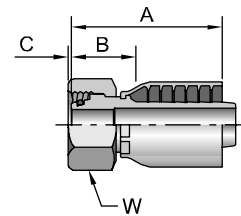


1C943

Female Metric S - Swivel - (24° Cone with O-Ring)

ISO 12151-2 - SWS

# Part Number	Thread		Hose I.D. inch	A		C		W mm	B	
	mm			inch	mm	inch	mm		inch	mm
1C943-6-4	6	M14x1,5	1/4	1.89	48	0.01	0	17	1.02	26
1C943-8-4	8	M16x1,5	1/4	1.77	45	0.01	0	19	0.91	23
1C943-10-4	10	M18x1,5	1/4	1.81	46	0.01	0	22	0.87	22
1C943-10-5	10	M18x1,5	5/16	1.85	47	0.01	0	22	0.87	22
1C943-10-6	10	M18x1,5	3/8	1.97	50	0.01	0	22	0.83	21
1C943-12-5	12	M20x1,5	5/16	1.89	48	0.03	1	24	0.94	24
1C943-12-6	12	M20x1,5	3/8	2.05	52	0.03	1	24	0.87	22
1C943-14-6	14	M22x1,5	3/8	1.97	50	0.03	1	27	0.83	21
1C943-16-8	16	M24x1,5	1/2	2.33	59	0.09	2	30	0.94	24
1C943-20-10	20	M30x2	5/8	2.59	66	0.05	1	36	1.06	27
1C943-20-12	20	M30x2	3/4	2.59	66	0.05	1	36	1.06	27
1C943-25-12	25	M36x2	3/4	2.67	68	0.10	3	46	1.10	28
1C943-25-16	25	M36x2	1	3.07	78	0.08	2	46	1.30	33
1C943-30-16	30	M42x2	1	3.03	77	0.19	5	50	1.26	32
1C943-38-20	38	M52x2	1-1/4	3.15	80	0.23	6	60	1.30	33



B

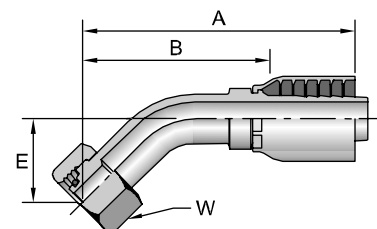
10C43

Female Metric S - Swivel - 45° Elbow - (24° Cone with O-Ring)

ISO 12151-2 - SWE45

# Part Number	Thread		Hose I.D. inch	A		E		W mm	B	
	mm			inch	mm	inch	mm		inch	mm
10C43-8-4	8	M16x1,5	1/4	2.32	59	0.63	16	19	1.38	35
10C43-12-5	12	M20x1,5	5/16	2.80	71	0.67	17	24	1.85	47
10C43-12-6	12	M20x1,5	3/8	2.72	69	0.79	20	24	1.57	40
10C43-16-8	16	M24x1,5	1/2	3.23	82	0.94	24	30	1.89	48
10C43-20-10	20	M30x2	5/8	3.58	91	0.98	25	36	2.05	52
10C43-20-12	20	M30x2	3/4	3.94	100	1.14	29	36	2.36	60
10C43-25-12	25	M36x2	3/4	3.97	101	1.18	30	46	2.40	61
10C43-30-16	30	M42x2	1	4.96	126	1.42	36	50	3.11	79
10C43-38-20^^	38	M52x2	1-1/4	5.59	142	1.50	38	60	3.74	95

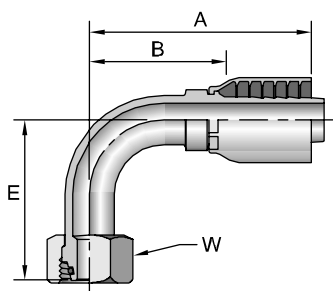
^^Must be assembled with Die Part No. 83C-A20H in a Superkrimp or Parkrimp 2.



Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

11C43

Female Metric S - Swivel - 90° Elbow - (24° Cone with O-Ring)
ISO 12151-2 - SWE



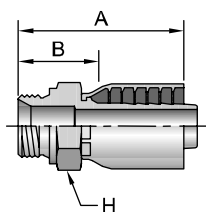
#				A		E		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	mm	inch	mm
11C43-8-4	8 M16x1,5	1/4		1.89	48	1.14	29	19	1.02	26
11C43-10-4	10 M18x1,5	1/4		1.97	50	1.14	29	22	1.02	26
11C43-12-5	12 M20x1,5	5/16		2.36	60	1.26	32	24	1.42	36
11C43-12-6	12 M20x1,5	3/8		2.56	65	1.46	37	24	1.38	35
11C43-14-6	14 M22x1,5	3/8		2.56	65	1.46	37	27	1.38	35
11C43-16-8	16 M24x1,5	1/2		2.83	72	1.77	45	30	1.46	37
11C43-20-10	20 M30x2	5/8		3.11	79	1.89	48	36	1.57	40
11C43-25-12	25 M36x2	3/4		3.50	89	2.32	59	46	1.93	49
11C43-30-16	30 M42x2	1		4.53	115	2.99	76	50	2.68	68
11C43-38-20^^	38 M52x2	1-1/4		5.12	130	3.15	80	60	3.27	83

^^Must be assembled with Die Part No. 83C-A20H in a Superkrimp or Parkrimp 2.

B

1D943

Male BSP Parallel Pipe - Rigid - (60° Cone)
ISO 12151-6

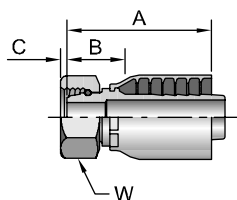


#			A		H	B	
Part Number	Thread	Hose I.D.	inch	mm	mm	inch	mm
1D943-4-4	1/4x19	1/4	1.77	45	19	0.91	23
1D943-6-5	3/8x19	5/16	2.13	54	22	1.22	31
1D943-6-6	3/8x19	3/8	2.13	54	22	1.22	31
1D943-8-6	1/2x14	3/8	2.36	60	27	1.22	31
1D943-8-8	1/2x14	1/2	2.44	62	27	1.10	28
1D943-12-12	3/4x14	3/4	2.76	70	32	1.18	30
1D943-16-16	1x11	1	3.23	82	41	1.38	35

When used in a port, a bonded seal must be used. See Accessories Section for more information.

1F443

Female French Gaz Series - Swivel - (Ball Nose)



#			A		C		W	B	
Part Number	Thread	Hose I.D.	inch	mm	inch	mm	mm	inch	mm
1F443-27-12	27 M36x1,5	3/4	3	76	0.14	4	55	1.14	29

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

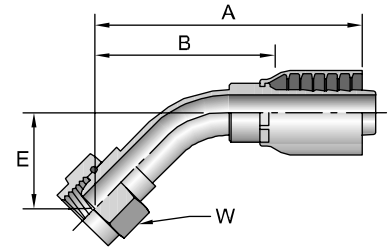
Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1B143

Female BSP Parallel Pipe - Swivel - 45° Elbow - (60° Cone)

ISO 12151-6

#			A		E		W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
1B143-4-4	1/4x19	1/4	2.44	62	0.63	16	19	1.54	39
1B143-6-6	3/8x19	3/8	3.25	83	0.79	20	22	2.25	57
1B143-8-8	1/2x14	1/2	3.35	85	0.79	20	27	1.97	50
1B143-10-10	5/8x14	5/8	4.03	102	0.85	22	30	2.62	67
1B143-12-10	3/4x14	5/8	4.09	104	1.14	29	32	2.52	64
1B143-12-12	3/4x14	3/4	4.02	102	1.14	29	32	2.44	62
1B143-16-16	1x11	1	4.53	115	1.14	29	41	2.76	70

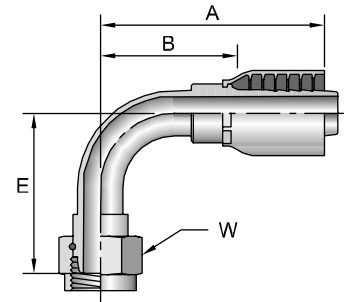


1B243

Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)

ISO 12151-6

#			A		E		W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
1B243-2-4	1/8x28	1/4	1.97	50	1.10	28	14	1.02	26
1B243-4-4	1/4x19	1/4	1.83	46	1.12	28	19	1.08	27
1B243-6-6	3/8x19	3/8	2.32	59	1.46	37	22	1.32	34
1B243-8-6	1/2x14	3/8	2.60	66	1.38	35	27	1.46	37
1B243-8-8	1/2x14	1/2	2.95	75	1.57	40	27	1.57	40
1B243-10-8	5/8x14	1/2	2.91	74	1.57	40	30	1.54	39
1B243-10-10	5/8x14	5/8	3.13	80	1.57	40	30	1.72	44
1B243-12-10	3/4x14	5/8	3.62	92	2.32	59	32	2.05	52
1B243-12-12	3/4x14	3/4	3.58	91	2.32	59	32	2.00	51
1B243-16-16	1x11	1	4.33	110	2.48	63	41	2.56	65
1B243-20-20	1-1/4x11	1-1/4	4.72	120	2.99	76	50	2.87	73

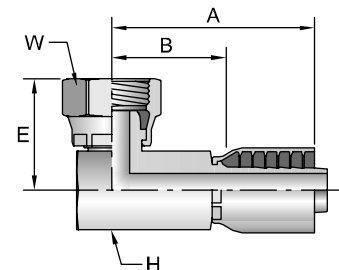


1B443

Female BSP Parallel Pipe - Swivel - 90° Elbow - Block Type - (60° Cone)

ISO 228-1

#			A		E		H	W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	mm	mm	inch	mm
1B443-4-4	1/4x19	1/4	2.40	61	1.14	29	17	19	1.40	36
1B443-6-6	3/8x19	3/8	2.76	70	1.02	26	19	22	1.42	36
1B443-8-8	1/2x14	1/2	3.19	81	1.02	26	22	27	1.57	40
1B443-12-12	3/4x14	3/4	3.30	84	1.30	33	23	32	0.98	25



Metric S: Mates with EO "S" Series Fittings.

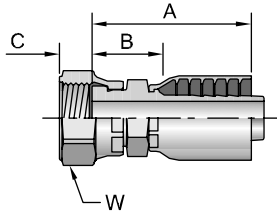
When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1B543

Female BSP Parallel Pipe - Swivel - (Flat Seat)

ISO 228-1

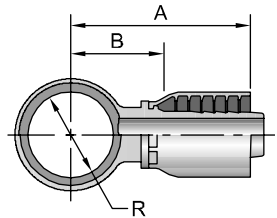


# Part Number	Thread inch	Hose I.D. inch	A		C		W	B	
			inch	mm	inch	mm	mm	inch	mm
1B543-6-6	3/8x19	3/8	1.93	49	0.35	9	22	0.79	20
1B543-8-6	1/2x14	3/8	1.89	48	0.43	11	27	0.75	19
1B543-8-8	1/2x14	1/2	2.28	58	0.43	11	27	0.94	24
1B543-12-12	3/4x14	3/4	2.28	58	0.33	8	32	0.94	24

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

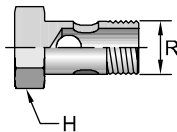
14943

DIN Metric Banjo



# Part Number	R mm	Hose I.D. inch	A		B	
			inch	mm	inch	mm
14943-10-4	10		1.85	47	0.94	24
14943-12-4	12	1/4	1.85	47	0.98	25
14943-14-5	14	5/16	2.01	51	1.06	27
14943-16-6	16	3/8	2.28	58	1.14	29
14943-18-8	18	1/2	2.60	66	1.22	31
14943-22-10	22	5/8	2.91	74	1.38	35
14943-26-12	26	3/4	3.07	78	1.54	39

AM Banjo Bolt w/DIN Metric Thread



# Part Number	R Thread mm	Hose I.D. inch	H mm	Copper Washer 2
AM-03	8	M8x1	12	853009-8
AM-04	10	M10x1	14	853009-10
AM-06	12	M12x1,5	17	853009-12
AM-08	14	M14x1,5	19	853009-14
AM-10	16	M16x1,5	22	853009-16
AM-13	18	M18x1,5	24	853009-18
AM-16	22	M22x1,5	27	853009-22
AM-20	26	M26x1,5	32	853009-26
AM-30	30	M30x1,5	36	853009-30





Two (2) copper washers per bolt must be ordered separately.

Metric S: Mates with EO "S" Series Fittings.

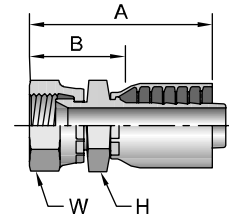
Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

1MU43

Female Metric - Swivel - (30° Flare)





# Part Number	 Thread mm	 Hose I.D. inch	A		 H mm	 W mm	B	
			inch	mm			inch	mm
1MU43-4-4	M14x1,5	1/4	2.07	53	19	19	1.32	34
1MU43-6-4	M18x1,5	1/4	2.18	55	24	24	1.43	36
1MU43-6-6	M18x1,5	3/8	2.45	62	24	24	1.42	36
1MU43-8-8	M22x1,5	1/2	2.84	72	27	27	1.58	40

Japanese Fittings - Female Swivel 30° Flare with Metric Threads. All 30° flared fitting sizes are available by combining the 1MU43 fittings in sizes up to -8 with the 1XU43 fittings in sizes -10 and larger.

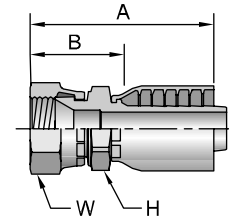


1XU43

Female Metric - Swivel - (30° Flare)

# Part Number	 Thread mm	 Hose I.D. inch	A		 H mm	 W mm	B	
			inch	mm			inch	mm
1XU43-10-10	M24x1,5	5/8	3.25	83	30	32	1.81	46
1XU43-12-12	M30x1,5	3/4	3.40	86	32	36	1.96	50
1XU43-16-16	M33x1,5	1	4.03	102	36	41	2.41	61
1XU43-20-20	M36x1,5	1-1/4	4.19	106	46	46	2.50	64
1XU43-24-24	M42x1,5	1-1/2	4.12	105	50	55	2.75	70

Japanese Fittings - Female Swivel 30° Flare with Metric Threads. All 30° flared fitting sizes are available by combining the 1MU43 fittings in sizes up to -8 with the 1XU43 fittings in sizes -10 and larger.







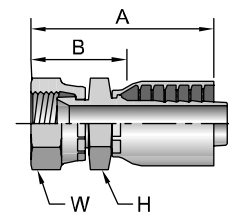
B

1FU43

Female BSP Parallel Pipe - Swivel - (30° Flare)

B8363 Code F

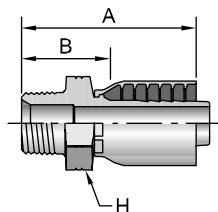
# Part Number	 Thread inch	 Hose I.D. inch	A		 H mm	 W mm	B	
			inch	mm			inch	mm
1FU43-4-4	1/4x19	1/4	1.90	48	19	19	1.15	29
1FU43-6-6	3/8x19	3/8	2.32	59	22	22	1.29	33
1FU43-8-8	1/2x14	1/2	2.66	68	27	27	1.40	36
1FU43-12-12	3/4x14	3/4	3.06	78	36	36	1.62	41
1FU43-16-16	1x11	1	3.53	90	41	41	1.91	49
1FU43-20-20	1-1/4x11	1-1/4	3.87	98	50	50	2.18	55



Use with 304, 351ST, 421FS, 421WC, 421, 421SN, 426, 431, 436, 451TC, 471ST, 472TC, 601, 301, 301MH, 381, CM2HP hoses.

19143

Male BSP Taper - Rigid - (60° Cone)

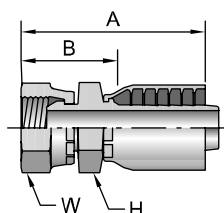


# Part Number	Thread inch	Hose I.D. inch	A		H mm	B		Additional Material Stainless Steel (C)
			inch	mm		inch	mm	
19143-2-4-AU	1/8x28	1/4	1.85	47	12	0.86	22	•
19143-4-4-AU	1/4x19	1/4	2.05	52	14	1.06	27	•
19143-6-4-AU	3/8x19	1/4	2.09	53	19	1.10	28	•
19143-6-5-AU	3/8x19	5/16	2.18	55	19	1.10	28	
19143-4-6-AU	1/4x19	3/8	2.34	59	17	1.10	28	
19143-6-6-AU	3/8x19	3/8	2.36	60	19	1.12	28	•
19143-8-6-AU	1/2x14	3/8	2.58	66	22	1.34	34	•
19143-6-8-AU	3/8x19	1/2	2.61	66	22	1.16	30	
19143-8-8-AU	1/2x14	1/2	2.80	71	22	1.35	34	•
19143-12-8-AU	3/4x14	1/2	2.88	73	30	1.43	36	•
19143-8-10-AU	1/2x14	5/8	3.04	77	24	1.38	35	
19143-10-10-AU	5/8x14	5/8	3.04	77	24	1.38	35	
19143-12-10-AU	3/4x14	5/8	3.10	79	30	1.44	37	
19143-8-12-AU	1/2x14	3/4	3.07	78	27	1.44	37	
19143-10-12-AU	5/8x14	3/4	3.04	77	27	1.41	36	
19143-12-12-AU	3/4x14	3/4	3.10	79	30	1.47	37	•
19143-16-12-AU	1x11	3/4	3.35	85	36	1.72	44	
19143-12-16-AU	3/4x14	1	3.56	90	36	1.62	41	
19143-16-16-AU	1x11	1	3.75	95	36	1.81	46	•
19143-16-20-AU	1x11	1 1/4	4.02	102	46	1.95	50	
19143-20-20-AU	1 1/4x11	1 1/4	4.08	104	46	2.01	51	
19143-24-24-AU	1 1/2x11	1 1/2	3.91	99	50	2.10	53	
19143-32-32-AU	2x11	2	4.60	117	60	2.38	61	

19243

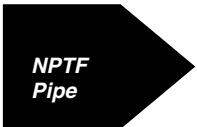
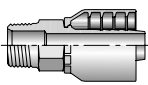

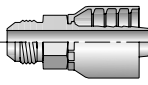
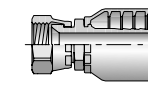
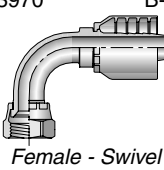

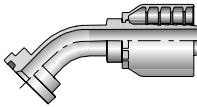
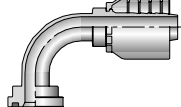

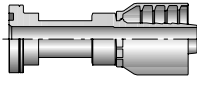
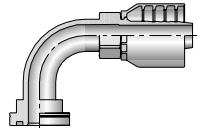

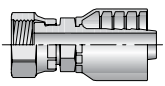
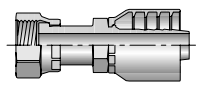
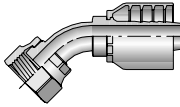
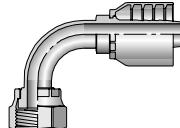
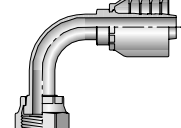
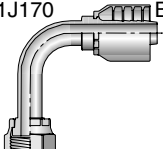

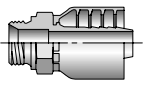
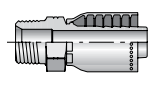
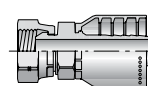
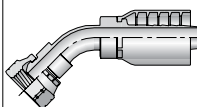
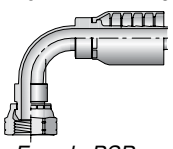

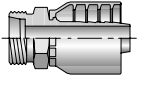
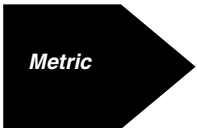
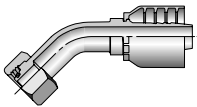
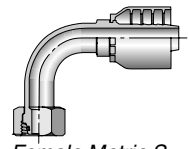
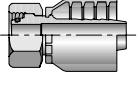
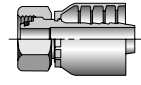
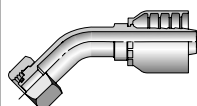
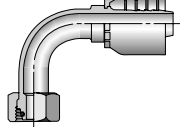
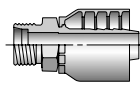
Female BSP Parallel Pipe - Swivel - (60° Cone)

ISO 228-1



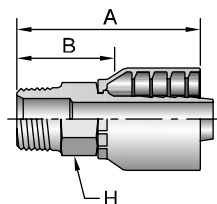
# Part Number	Thread inch	Hose I.D. inch	A		H mm	B		Additional Material Stainless Steel (C)
			inch	mm		inch	mm	
19243-2-4-AU	1/8x28	1/4	1.93	49	12	0.94	24	•
19243-4-4-AU	1/4x19	1/4	2.10	53	14	1.11	28	•
19243-6-4-AU	3/8x19	1/4	2.21	56	17	1.22	31	•
19243-8-4-AU	1/2x14	1/4	2.38	61	22	1.39	35	
19243-6-5-AU	3/8x19	5/16	2.30	58	17	1.22	31	
19243-4-6-AU	1/4x19	3/8	2.44	62	17	1.20	31	
19243-6-6-AU	3/8x19	3/8	2.50	64	17	1.26	32	•
19243-8-6-AU	1/2x14	3/8	2.65	67	22	1.41	36	•
19243-6-8-AU	3/8x19	1/2	2.77	70	22	1.32	34	
19243-8-8-AU	1/2x14	1/2	2.87	73	22	1.42	36	•
19243-10-8-AU	5/8x14	1/2	2.94	75	24	1.50	38	
19243-12-8-AU	3/4x14	1/2	3.00	76	27	1.55	39	
19243-8-10-AU	1/2x14	5/8	3.15	80	24	1.49	38	
19243-10-10-AU	5/8x14	5/8	3.16	80	24	1.50	38	
19243-12-10-AU	3/4x14	5/8	3.22	82	27	1.56	40	
19243-12-12-AU	3/4x14	3/4	3.29	84	27	1.66	42	•
19243-16-12-AU	1x11	3/4	3.48	88	32	1.85	47	
19243-16-16-AU	1x11	1	3.92	100	35	1.98	50	•
19243-20-20-AU	1 1/4x11	1 1/4	4.40	112	46	2.33	59	•
19243-24-24-AU	1 1/2x11	1 1/2	4.42	112	50	2.61	66	•
19243-32-32-AU	2x11	2	5.03	128	60	2.81	71	•

Use with 701 hose.

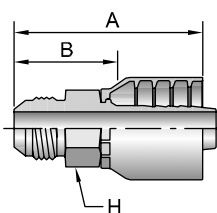
	10170 B-62  Male - Rigid		10370 B-62  Male - Rigid	10670 B-62  Female - Swivel	13970 B-62  Female - Swivel 90° Elbow - Short
	11770 B-63  45° Elbow	11970 B-63  90° Elbow		16A70 B-63  Flange Head	16N70 B-64  90° Elbow
	1JC70 B-64  Female - Swivel Short	1JS70 B-64  Female - Swivel Long	1J770 B-64  Female - Swivel 45° Elbow	1J970 B-65  Female - Swivel 90° Elbow - Short	1J570 B-65  Female - Swivel 90° Elbow - Medium
1J170 B-65  Female - Swivel 90° Elbow - Long		1D970 B-66  Male - BSP - Rigid	19170 B-66  Female - BSP - Swivel	19270 B-66  Female - Swivel	1B170 B-66  Female BSP - Swivel - 45° Elbow
1B270 B-66  Female BSP - Swivel - 90° Elbow		1FG70 B-67  Male - Rigid		10C70 B-67  Female Metric S - Swivel - 45° Elbow	11C70 B-67  Female Metric S - Swivel - 90° Elbow
1C970 B-68  Female - Swivel	1CA70 B-68  Female Metric L - Swivel - 24° Cone	1CE70 B-68  Female Metric L - Swivel - 45° Elbow	1CF70 B-69  Female Metric L - Swivel - 90° Elbow	1D270 B-69  Male Metric S - Rigid	

B

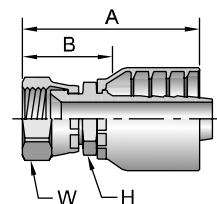
Use with 701 hose.

10170**Male NPTF Pipe - Rigid**

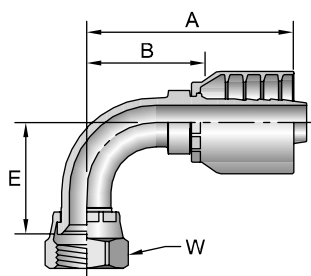
# Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
10170-6-6	3/8x18	3/8	2.37	60	3/4	1.47	37
10170-8-8	1/2x14	1/2	2.84	72	7/8	1.40	36

10370**Male JIC 37° - Rigid**

# Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
10370-8-8	1/2 3/4x16	1/2	2.68	68	7/8	1.47	37
10370-10-8	5/8 7/8x14	1/2	2.62	66	15/16	1.41	36

10670**Female JIC 37° - Swivel**

# Part Number	Thread inch		Hose I.D. inch	A		H	W	B	
				inch	mm	inch	inch	inch	mm
10670-6-6	3/8	9/16x18	3/8	2.29	58	11/16	11/16	1.39	35
10670-8-8	1/2	3/4x16	1/2	2.62	67	13/16	7/8	1.41	36
10670-10-8	5/8	7/8x14	1/2	2.85	72	7/8	1	1.64	42
10670-10-10	5/8	7/8x14	5/8	2.84	72	15/16	1	1.59	40




13970**Female JIC 37° - Swivel - 90° Elbow - Short Drop**

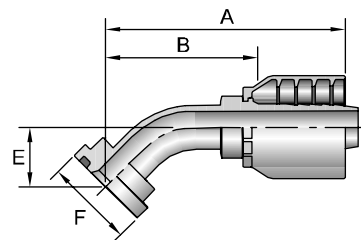
# Part Number	Thread inch		Hose I.D. inch	A		E		W	B	
				inch	mm	inch	mm	inch	inch	mm
13970-8-8	1/2	3/4x16	1/2	2.62	67	1.14	29	7/8	1.41	36

Use with 701 hose.




11770**SAE Code 61 Flange Head - 45° Elbow**

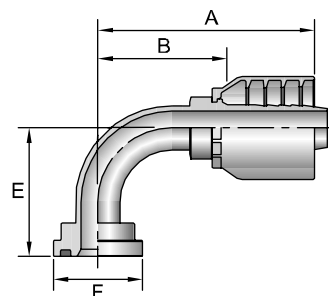
ISO 12151-3 - 45S - L

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11770-8-8	1/2	1/2	3.28	83	0.77	20	1-3/16	2.07	53
11770-12-10	3/4	5/8	3.37	86	0.76	19	1-1/2	2.12	54




**11970****SAE Code 61 Flange Head - 90° Elbow**

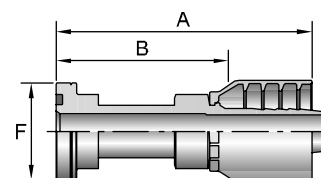
ISO 12151-3 - E90S - L

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11970-8-8	1/2	1/2	2.93	74	1.60	41	1-3/16	1.72	44
11970-12-10	3/4	5/8	3.54	90	2.02	51	1-1/2	2.29	58

**16A70****SAE Code 62 Flange Head**

ISO 12151-3 - S - S

#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
16A70-8-8	1/2	1/2	3.50	88,9	1-1/4	2.29	56,9

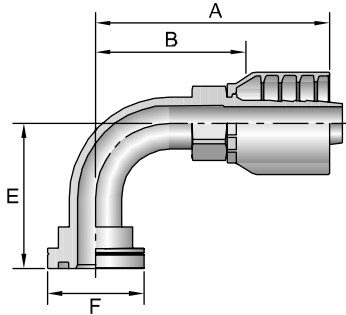





See Accessories Section for O-Rings and Flange Kits.

Use with 701 hose.

16N70**SAE Code 62 Flange Head - 90° Elbow**

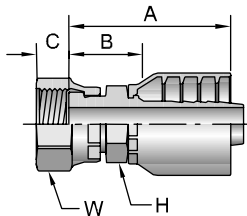
ISO 12151-3 - E90S - S (1 Piece: ISO 12151-3 - E90M - S)







#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16N70-8-8	1/2	1/2	2.60	66	1.61	41	1-1/4	1.34	34

1JC70**Female Seal-Lok® - Swivel - Short**

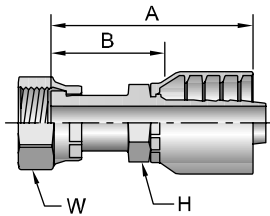
ISO 12151- 1 - SWSA







#			A		C				B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	mm
1JC70-6-6	3/8 11/16x16	3/8	1.94	49	0.34	9	11/16	13/16	1.04	26
1JC70-8-6	1/2 13/16x16	3/8	2.00	51	0.43	11	13/16	15/16	1.10	28
1JC70-8-8	1/2 13/16x16	1/2	2.22	56	0.43	11	13/16	15/16	1.01	26
1JC70-10-10	5/8 1x14	5/8	2.40	61	0.53	13	15/16	1-1/8	1.15	29

1JS70**Female Seal-Lok® - Swivel - Long**

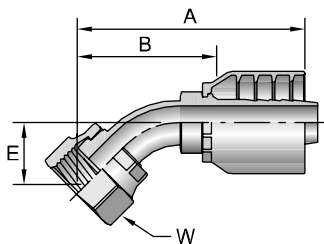
ISO 12151-1 - SWSB






#			A		C				B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	mm
1JS70-6-6	3/8 11/16x16	3/8	2.28	58	11/16	13/16	1.38	35		
1JS70-8-8	1/2 13/16x16	1/2	2.65	67	13/16	15/16	1.44	37		
1JS70-12-8	3/4 1-3/16x12	1/2	2.90	74	1-1/8	1-3/8	1.69	43		
1JS70-12-10	3/4 1-3/16x12	5/8	3.10	79	1-1/8	1-3/8	1.85	47		

1J770**Female Seal-Lok® - Swivel - 45° Elbow**

ISO 12151-1 - SWE45





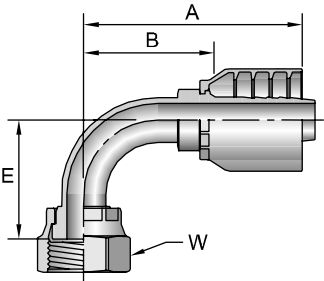
#			A		E			B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1J770-10-10	5/8 1x14	5/8	3.08	78	0.63	16	1-1/8	1.83	46

See Accessories Section for O-Rings and Flange Kits.



Use with 701 hose.

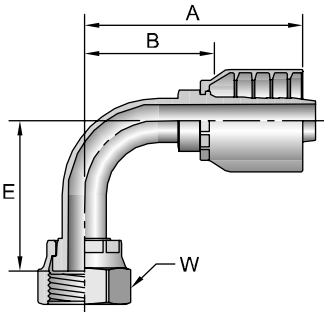
1J970
Female Seal-Lok® - Swivel - 90° Elbow - Short Drop
ISO 12151-1 - SWES90

#			A		E		W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1J970-8-8	1/2 13/16x16	1/2	2.59	66	1.14	29	15/16	1.38	35
1J970-12-8	3/4 1-3/16x12	1/2	3.21	82	1.88	48	1-3/8	2.00	51





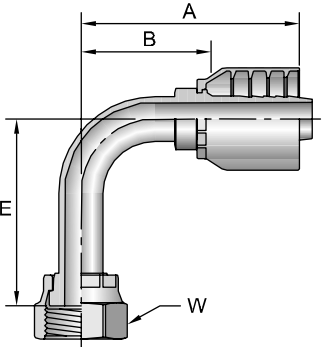
1J570
Female Seal-Lok® - Swivel - 90° Elbow - Medium Drop
ISO 12151-1 - SWEM90

#			A		E		W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1J570-10-10	5/8 1x14	5/8	2.88	73	1.85	47	1-1/8	1.63	41



1J170
Female Seal-Lok® - Swivel - 90° Elbow - Long Drop
ISO 12151-1 - SWEL90

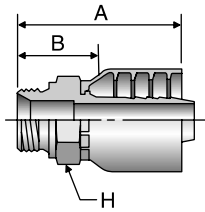
#			A		E		W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1J170-8-8	1/2 13/16x16	1/2	2.59	66	2.52	65	15/16	1.38	35
1J170-10-10	5/8 1x14	5/8	2.88	73	2.76	70	1-1/8	1.63	41



B

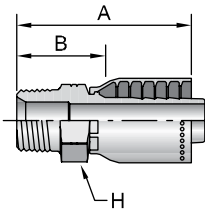
See Accessories Section for O-Rings and Flange Kits.

Use with 701 hose.

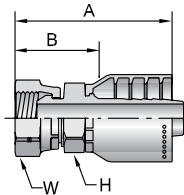
**1D970****Male BSP Parallel Pipe - Rigid - (60° Cone)**

ISO 228-1

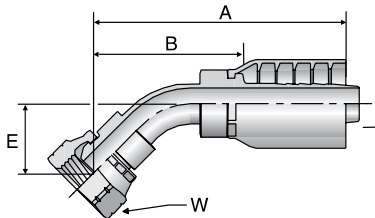
#							
Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	mm	inch	mm
1D970-8-8	1/2x14	1/2	2.44	62	27	1.10	28

19170**Female BSP Parallel Pipe - Swivel - (60° cone)**




#							
Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	mm	inch	mm
19170-6-6-AU	3/8x19	3/8	2.36	60	19	1.12	28
19170-8-8-AU	1/2x14	1/2	2.80	71	22	1.35	34
19170-12-12-AU	3/4x14	3/4	3.10	79	30	1.47	37

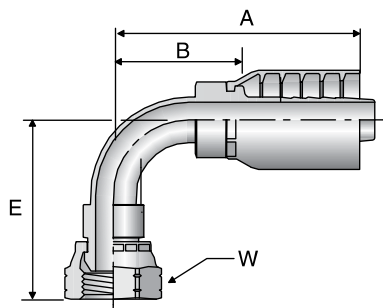
19270**Female BSP Parallel Pipe - Swivel - (60° cone)**

#								
Part Number	Thread in	Hose I.D. inch	A		H	W	B	
			inch	mm	mm	mm	inch	mm
19270-6-6-AU	3/8x19	3/8	2.31	59	17	22	1.47	37
19270-8-8-AU	1/2x14	1/2	2.67	68	22	27	1.12	28




**1B170****Female BSP Parallel pipe - Swivel- 45° Elbow - (60° Cone)**

ISO 228-1

#			A		E			B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
1B170-8-8	1/2x14	1/2	3.11	79	0.79	20	27	1.77	45

**1B270****Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)**

ISO 228-1

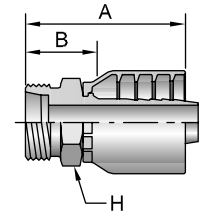
#									
Part Number	Thread inch	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm	mm	inch	mm
1B270-8-8	1/2x14	1/2	2.76	70	1.54	39	27	1.38	35
1B270-10-10	5/8x14	5/8	3.07	78	1.81	46	30	1.61	41
1B270-12-10	3/4x14	5/8	3.19	81	1.65	42	32	1.61	41

Use with 701 hose.

1FG70

Male French Gaz Series - Rigid - (24° Cone)

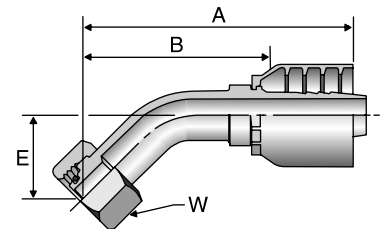
#				A		H		B	
Part Number	Thread mm	Hose I.D. inch		inch	mm	inch	mm	inch	mm
1FG70-21-10	21 M30x1,5	5/8		2.87	73	1.18	30	1.62	41



10C70

Female Metric S - Swivel - 45° Elbow - (24° Cone with O-Ring) ISO 12151-2 - SWE45

#			A		E		W	B	
Part Number	Thread mm	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
10C70-12-6	12 M20x1,5	3/8	2.72	69	0.79	20	24	1.57	40
10C70-16-8	16 M24x1,5	1/2	3.27	83	0.94	24	30	1.89	48
10C70-20-10	20 M30x2	5/8	3.58	91	0.98	25	36	2.05	52

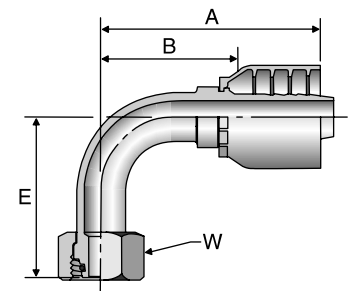


B

11C70

Female Metric S - Swivel - 90° Elbow - (24° Cone with O-Ring) ISO 12151-2 - SWE

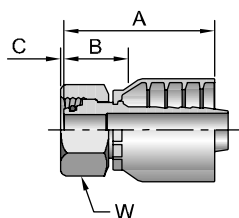
#			A		E		W	B	
Part Number	Thread mm	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
11C70-12-6	12 M20X1,5	3/8	2.64	67	1.46	37	24	1.50	38
11C70-20-10	20 M30X2	5/8	3.11	79	1.89	48	36	1.57	40



Use with 701 hose.

1C970

Female Metric S - Swivel - (24° Cone with O-Ring)



#				A		C		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	mm	inch	mm
1C970-12-6	12 M20x1,5	3/8		2.03	52	0.03	1	24	1.13	29
1C970-16-8	16 M24x1,5	1/2		2.31	59	0.09	2	30	1.10	28
1C970-20-10	20 M30x2	5/8		2.51	64	0.05	1	36	1.26	32

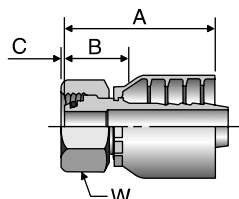
When measuring overall length to end of nut, B + C dimensions must be used to calculate cut-off allowance.

B

1CA70

Female Metric L - Swivel - (24° Cone with O-Ring)

ISO 12151-2 - SWS

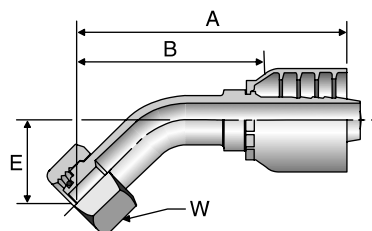


#				A		C		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	mm	inch	mm
1CA70-12-6	12 M18x1,5	3/8		2.09	53	0.04	1	22	0.94	24
1CA70-15-8	15 M22x1,5	1/2		2.09	62	0.07	2	22	0.94	27
1CA70-18-10	18 M26x1,5	5/8		2.44	62	0.02	0.5	32	1.02	26

1CE70

Female Metric L - Swivel - 45° Elbow - (24° Cone with O-Ring)

ISO 12151-2 - SWE45



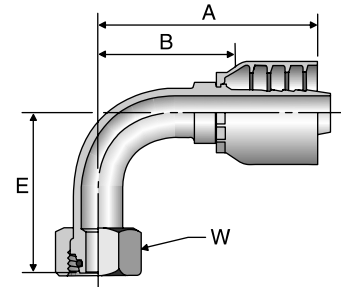
#				A		E		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	mm	inch	mm
1CE70-18-10	18 M26x1,5	5/8		3.58	91	0.98	25	32	2.05	52

Use with 701 hose.

1CF70**Female Metric L - Swivel - 90° Elbow - (24° Cone with O-Ring)**

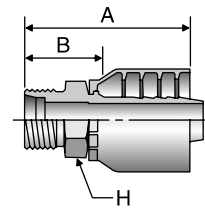
ISO 12151-2 - SWE

# Part Number	Thread mm	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	mm		inch	mm
1CF70-15-8	15 M22x1,5	1/2	2.91	74	1.77	45	27	1.54	39
1CF70-18-10	18 M26x1,5	5/8	3.11	79	1.93	49	32	1.65	42

**1D270****Male Metric S - Rigid - (24° Cone)**

ISO 8434-1

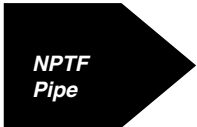
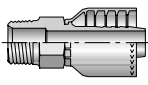

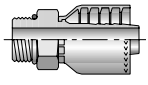

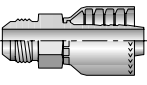
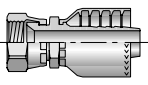
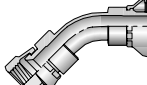
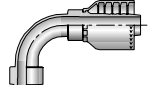
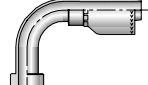


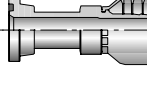
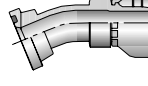
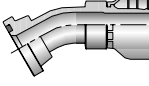
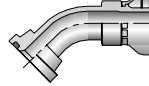
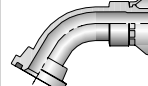

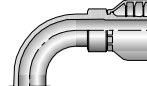

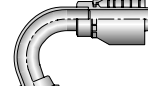

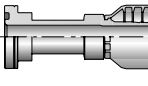
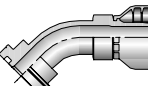
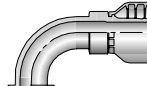

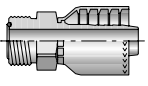
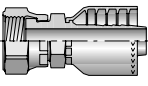
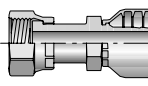
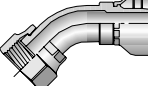
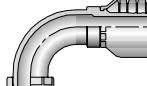
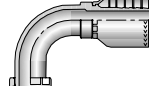


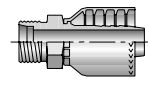
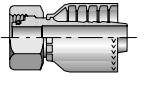

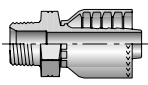
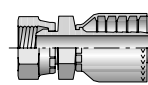
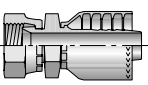

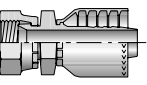
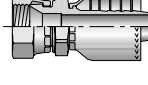
# Part Number	Thread mm	Hose I.D. inch	A		H mm	B	
			inch	mm		inch	mm
1D270-16-8	16 M24x1,5	1/2	2.44	62	24	1.10	28
1D270-20-10	20 M30x2	5/8	2.95	75	30	1.26	32

**B**

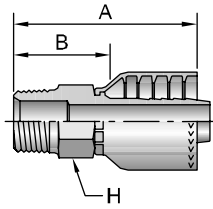
NOTES

B

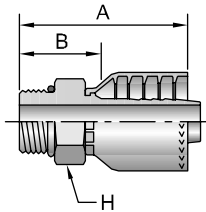
Use with 721TC, 774 hoses.

 NPTF Pipe	10171 B-72  <i>Male - Rigid</i>	 SAE	10571 B-72  <i>Male - Rigid</i>	 JIC	10371 B-72  <i>Male - Rigid</i>
10671 B-73  <i>Female - Swivel</i>	13771 B-73  <i>Female - Swivel 45° Elbow - Short</i>	13971 B-74  <i>Female - Swivel 90° Elbow - Short</i>	1L971 B-74  <i>Female - Swivel 90° Elbow - Medium</i>	14171 B-74  <i>Female - Swivel 90° Elbow - Long</i>	 Code 61 Flange
11571 B-75  <i>Flange</i>	11671 B-75  <i>22-1/2° Elbow</i>	12671 B-76  <i>30° Elbow</i>	11771 B-76  <i>45° Elbow</i>	12771 B-76  <i>60° Elbow</i>	11871 B-77  <i>67-1/2° Elbow</i>
11971 B-77  <i>90° Elbow</i>	18971 B-78  <i>90° Elbow-Long</i>	12U71 B-78  <i>110° Elbow</i>	 Code 62 Flange	16A71 B-78  <i>Flange</i>	16F71 B-78  <i>45° Elbow</i>
16N71 B-79  <i>90° Elbow</i>	 Seal-Lok® (O-Ring Face Seal)	1J071 B-79  <i>Male - Rigid</i>	1JC71 B-79  <i>Female - Swivel Short</i>	1JS71 B-80  <i>Female - Swivel Long</i>	1J771 B-80  <i>Female - Swivel 45° Elbow</i>
1J971 B-81  <i>Female - Swivel 90° Elbow - Short</i>	1J571 B-81  <i>Female - Swivel 90° Elbow - Medium</i>	1J171 B-81  <i>Female - Swivel 90° Elbow - Long</i>	 Metric "S"	1D271 B-82  <i>Male - Rigid</i>	1C971 B-82  <i>Female - Swivel</i>
 BSP	19171 B-83  <i>Male - Rigid</i>	19271 B-83  <i>Female - Swivel</i>	1FU71 B-82  <i>Female - Swivel</i>	 Metric	1MU71 B-84  <i>Female - Swivel</i>
1XU71 B-84  <i>Female - Swivel</i>					

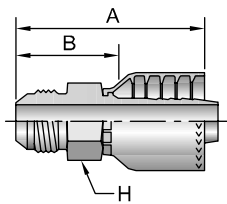
B

10171**Male NPTF Pipe - Rigid**

#							
Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
10171-6-6	3/8x18	3/8	2.36	60	3/4	1.47	37
10171-8-8	1/2x14	1/2	2.82	72	7/8	1.63	41
10171-12-8	3/4x14	1/2	2.67	68	1-1/16	1.47	37
10171-12-12	3/4x14	3/4	3.08	78	1-1/16	1.71	43
10171-16-12	1x11-1/2	3/4	3.08	78	1-3/8	1.72	44
10171-16-16	1x11-1/2	1	3.63	92	1-3/8	2.04	52
10171-20-16	1-1/4x11-1/2	1	3.49	89	1-11/16	1.90	48
10171-20-20	1-1/4x11-1/2	1-1/4	4.06	103	1-3/4	2.39	61
10171-24-20	1-1/2x11-1/2	1-1/4	3.77	96	2	2.10	53
10171-24-24	1-1/2x11-1/2	1-1/2	4.32	110	2	2.19	56
10171-32-32	2x11-1/2	2	4.66	118	2-1/2	2.52	64





10571**Male SAE Straight Thread with O-Ring - Rigid**

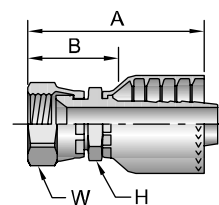
#							
Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
10571-8-8	1/2 3/4x16	1/2	2.44	62	7/8	1.25	32
10571-12-12	3/4 1-1/16x12	3/4	2.79	71	1-1/4	1.43	36
10571-16-16	1 1-5/16x12	1	3.42	87	1-1/2	1.77	45
10571-20-20	1-1/4 1-5/8x12	1-1/4	3.67	93	1-7/8	2.00	51




10371**Male JIC 37° - Rigid**

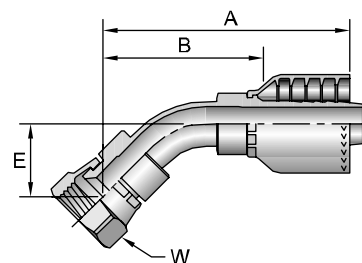
#							
Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
10371-6-6	3/8 9/16x18	3/8	2.44	62	3/4	1.55	39
10371-8-6	1/2 3/4x16	3/8	2.29	58	7/8	1.40	36
10371-8-8	1/2 3/4x16	1/2	2.66	68	7/8	1.41	36
10371-10-8	5/8 7/8x14	1/2	2.60	66	15/16	1.41	36
10371-10-10	5/8 7/8x14	5/8	2.93	74	15/16	1.69	43
10371-12-12	3/4 1-1/16x12	3/4	3.17	80	1-1/8	1.81	46
10371-14-12	7/8 1-3/16x12	3/4	3.09	78	1-1/4	1.73	44
10371-16-12	1 1-5/16x12	3/4	3.02	77	1-3/8	1.66	42
10371-16-16	1 1-5/16x12	1	3.68	93	1-3/8	2.03	52
10371-20-16	1-1/4 1-5/8x12	1	3.43	87	1-7/8	1.84	47
10371-20-20	1-1/4 1-5/8x12	1-1/4	3.94	100	1-7/8	2.27	58

10671**Female JIC 37° - Swivel**

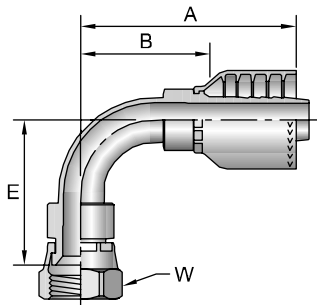
# Part Number	 Thread		 Hose I.D.	A		 H	 W	B		Additional Material Stainless Steel (C)
	inch	inch	inch	mm	inch	inch	inch	mm		
10671-6-6	3/8	9/16x18	3/8	2.28	58	11/16	11/16	1.39	35	●
10671-8-6	1/2	3/4x16	3/8	2.47	63	11/16	7/8	1.58	40	
10671-8-8	1/2	3/4x16	1/2	2.61	66	13/16	7/8	1.41	36	
10671-10-8	5/8	7/8x14	1/2	2.84	72	7/8	1	1.64	42	
10671-10-10	5/8	7/8x14	5/8	2.83	72	15/16	1	1.58	40	
10671-10-12	5/8	7/8x14	3/4	2.92	74	1-1/16	1	1.54	39	
10671-12-8	3/4	1-1/16x12	1/2	2.75	70	1-1/16	1-1/4	1.58	40	●
10671-12-10	3/4	1-1/16x12	5/8	3.00	76	1-1/16	1-1/4	1.75	44	
10671-12-12	3/4	1-1/16x12	3/4	2.96	75	1-1/16	1-1/4	1.60	41	
10671-12-16	3/4	1-1/16x12	1	3.37	86	1-3/8	1-1/4	1.67	42	
10671-14-12	7/8	1-3/16x12	3/4	3.01	76	1-1/4	1-3/8	1.61	41	
10671-16-12	1	1-5/16x12	3/4	3.28	83	1-1/4	1-1/2	1.92	49	
10671-16-16	1	1-5/16x12	1	3.60	91	1-3/8	1-1/2	2.01	51	●
10671-20-16	1-1/4	1-5/8x12	1	3.80	97	1-5/8	2	2.21	56	●
10671-20-20	1-1/4	1-5/8x12	1-1/4	3.92	100	1-7/8	2	2.25	57	
10671-24-20	1-1/2	1-7/8x12	1-1/4	4.10	104	2-1/8	2-1/4	2.43	62	●
10671-24-24	1-1/2	1-7/8x12	1-1/2	4.69	119	2-1/8	2-1/4	2.50	64	
10671-32-32	2	2-1/2x12	2	5.39	137	2-1/2	2-7/8	3.19	81	

**13771****Female JIC 37° - Swivel - 45° Elbow - Short Drop**

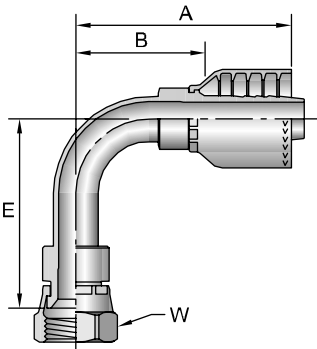
# Part Number	 Thread		 Hose I.D.	A		E		 W	B	
	inch		inch	inch	mm	inch	mm	inch	inch	mm
13771-6-6	3/8	9/16x18	3/8	2.34	59	0.43	11	11/16	1.44	37
13771-8-8	1/2	3/4x16	1/2	2.83	72	0.59	15	7/8	1.62	41
13771-10-8	5/8	7/8x14	1/2	2.93	74	0.63	16	1	1.72	44
13771-10-10	5/8	7/8x14	5/8	3.08	78	0.63	16	1	1.83	46
13771-12-12	3/4	1-1/16x12	3/4	3.64	92	0.83	21	1-1/4	2.26	57
13771-16-16	1	1-5/16x12	1	4.20	107	0.90	23	1-1/2	2.61	66
13771-20-20	1-1/4	1-5/8x12	1-1/4	5.22	133	1.69	43	2	3.53	90



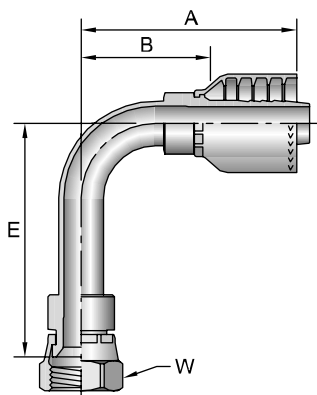
Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.

13971**Female JIC 37° - Swivel - 90° Elbow - Short Drop**

#				A		E		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	inch	inch	mm
13971-6-6	3/8	9/16x18	3/8	2.21	56	0.91	23	11/16	1.31	33
13971-8-8	1/2	3/4x16	1/2	2.62	67	1.14	29	7/8	1.41	36
13971-10-8	5/8	7/8x14	1/2	2.74	70	1.26	32	1	1.53	39
13971-10-10	5/8	7/8x14	5/8	2.88	73	1.26	32	1	1.63	41
13971-12-10	3/4	1-1/16x12	5/8	2.98	76	1.89	48	1-1/4	1.73	44
13971-12-12	3/4	1-1/16x12	3/4	3.50	89	1.89	48	1-1/4	2.11	54
13971-16-16	1	1-5/16x12	1	4.36	111	2.91	74	1-1/2	2.58	66
13971-20-20	1-1/4	1-5/8x12	1-1/4	4.78	121	3.33	85	2	3.11	79
13971-24-24	1-1/2	1-7/8x12	1-1/2	6.33	161	3.98	101	2-1/4	4.14	105

1L971**Female JIC 37° - Swivel - 90° Elbow - Medium Drop**

#				A		E		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	inch	inch	mm
1L971-10-8	5/8	7/8x14	1/2	3.24	82	1.75	44	1	2.04	52




14171**Female JIC 37° - Swivel - 90° Elbow - Long Drop**

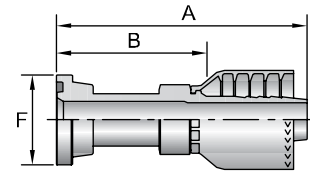
#				A		E		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	inch	inch	mm
14171-6-6	3/8	9/16x18	3/8	2.34	59	2.13	54	11/16	1.44	37
14171-8-8	1/2	3/4x16	1/2	2.58	66	2.52	64	7/8	1.37	35
14171-12-12	3/4	1-1/16x14	3/4	3.49	89	3.78	96	1-1/4	2.11	54
14171-16-16	1	1-5/16x12	1	4.36	111	4.32	110	1-1/2	2.58	66

Use with 721TC, 774 hoses.

11571**SAE Code 61 Flange Head**

ISO 12151-3 - S - L




# Part Number	 Flange	 Hose I.D.	A		 F	B	
	inch	inch	inch	mm	inch	inch	mm
11571-8-8	1/2	1/2	3.48	88	1-3/16	2.27	58
11571-10-10	5/8	5/8	3.69	93,7	1-11/32	2.44	62,0
11571-12-8	3/4	1/2	2.46	62,5	1-1/2	1.26	32,0
11571-12-12	3/4	3/4	3.86	98	1-1/2	2.48	63
11571-16-12	1	3/4	2.74	70	1-3/4	1.36	35
11571-16-16	1	1	4.32	110	1-3/4	2.55	65
11571-20-12	1-1/4	3/4	3.90	99	2	2.54	65
11571-20-16	1-1/4	1	3.27	83	2	1.58	40
11571-20-20	1-1/4	1-1/4	4.70	119	2	3.01	76
11571-20-24	1-1/4	1-1/2	5.41	137	2	3.22	82
11571-24-16	1-1/2	1	3.41	86,6	2-3/8	1.63	41,4
11571-24-20	1-1/2	1-1/4	3.48	104	2-3/8	1.36	61
11571-24-24	1-1/2	1-1/2	5.46	139	2-3/8	3.27	83
11571-24-32	1-1/2	2	5.65	144	2-3/8	3.45	88
11571-32-20	2	1-1/4	4.29	109,0	2-13/16	2.60	66,0
11571-32-24	2	1-1/2	4.01	102	2-13/16	1.82	46
11571-32-32	2	2	5.65	144	2-13/16	3.45	88
11571-40-32	2-1/2	2	4.51	115	3-5/16	2.31	59

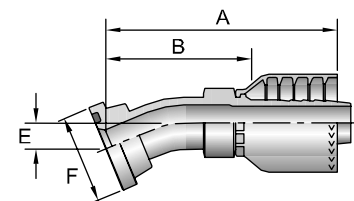


B

11671**SAE Code 61 Flange Head - 22-1/2° Elbow**

ISO 12151-3 - E22M - L

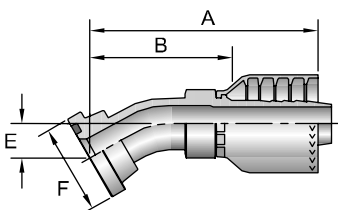
# Part Number	 Flange	 Hose I.D.	A		E		 F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
11671-12-12	3/4	3/4	3.90	99	0.44	11	1-1/2	2.54	65
11671-16-12	1	3/4	3.89	99	0.44	11	1-3/4	2.53	64
11671-16-16	1	1	4.26	108	0.44	11	1-3/4	2.67	68
11671-20-16	1-1/4	1	4.36	111	0.47	12	2	2.77	70
11671-20-20	1-1/4	1-1/4	4.67	119	0.50	13	2	3.00	76
11671-24-20	1-1/2	1-1/4	4.68	119	0.53	13	2-3/8	3.01	76
11671-24-24	1-1/2	1-1/2	5.88	149	0.63	16	2-3/8	3.69	94
11671-32-32	2	2	7.37	187	0.88	22	2-13/16	5.22	133






See Accessories Section for O-Rings and Flange Kits.

12671**SAE Code 61 Flange Head - 30° Elbow**

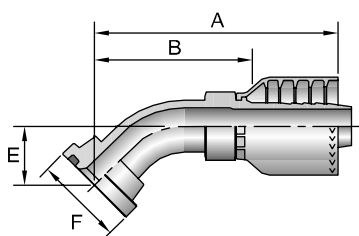
ISO 12151-3 - E30S - L (1 Piece: ISO 12151-3 - E30M - L)






#			A		E			B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
12671-12-12	3/4	3/4	3.90	99	0.59	15	1-1/2	2.52	64
12671-16-16	1	1	4.46	113	0.62	16	1-3/4	2.68	68
12671-20-16	1-1/4	1	4.46	113	0.62	16	2	2.68	68
12671-20-20	1-1/4	1-1/4	4.87	124	0.72	18	2	3.18	81
12671-24-24	1-1/2	1-1/2	6.01	153	0.88	22	2-3/8	3.82	97
12671-32-24	2	1-1/2	6.01	153	0.88	22	2-13/16	3.82	97
12671-32-32	2	2	7.60	193	1.25	32	2-13/16	5.40	137

11771**SAE Code 61 Flange Head - 45° Elbow**

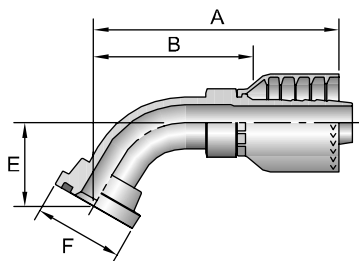
ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)






#			A		E			B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
11771-10-10	5/8	5/8	4.54	115	0.94	24	1-11/32	3.29	84
11771-12-8	3/4	1/2	3.27	83	0.84	21	1-1/2	2.07	53
11771-12-10	3/4	5/8	3.94	100	0.76	19	1-1/2	2.70	69
11771-12-12	3/4	3/4	3.85	98	1.02	26	1-1/2	2.47	63
11771-16-12	1	3/4	3.85	98	1.02	26	1-3/4	2.47	63
11771-16-16	1	1	4.84	123	1.26	32	1-3/4	3.06	78
11771-20-16	1-1/4	1	4.84	123	1.02	26	2	3.06	78
11771-20-20	1-1/4	1-1/4	5.61	142	1.50	38	2	3.92	100
11771-20-24	1-1/4	1-1/2	6.22	158	1.12	28	2	4.03	102
11771-24-20	1-1/2	1-1/4	5.55	141	1.50	38	2-3/8	3.86	98
11771-24-24	1-1/2	1-1/2	6.22	158	1.41	36	2-3/8	4.03	102
11771-32-24	2	1-1/2	6.19	157	1.41	36	2-13/16	4.00	102
11771-32-32	2	2	7.94	202	2.03	52	2-13/16	5.74	146
11771-40-32	2-1/2	2	7.83	199	2.03	52	3-5/16	5.62	143

12771**SAE Code 61 Flange Head - 60° Elbow**

ISO 12151-3 - E60S - L (1 Piece: ISO 12151-3 - E60M - L)






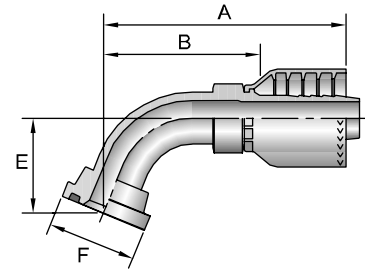
#			A		E			B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
12771-12-12	3/4	3/4	4.16	106	1.43	36	1-1/2	2.78	71
12771-16-12	1	3/4	4.15	105	1.39	35	1-3/4	2.77	70
12771-16-16	1	1	4.74	120	1.49	38	1-3/4	3.36	85
12771-20-20	1-1/4	1-1/4	5.10	130	1.69	43	2	3.41	87
12771-24-20	1-1/2	1-1/4	5.12	130	1.70	43	2-3/8	3.43	87
12771-24-24	1-1/2	1-1/2	6.25	159	2.03	52	2-3/8	4.06	103
12771-32-32	2	2	7.93	201	2.88	73	2-13/16	5.73	146

Use with 721TC, 774 hoses.




11871**SAE Code 61 Flange Head - 67-1/2° Elbow**

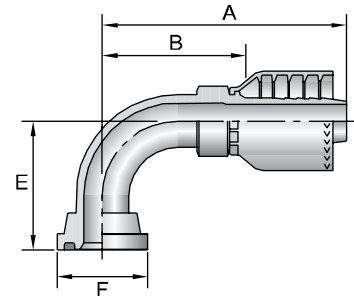
ISO 12151-3 - E67S - L (1 Piece: ISO 12151-3 - E67M - L)

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11871-12-12	3/4	3/4	4.12	105	1.62	41	1-1/2	2.74	70
11871-16-12	1	3/4	4.11	104	1.59	40	1-3/4	2.73	69
11871-16-16	1	1	4.76	121	1.75	44	1-3/4	2.98	76
11871-20-20	1-1/4	1-1/4	5.08	129	1.94	49	2	3.39	86
11871-24-20	1-1/2	1-1/4	5.07	129	1.95	50	2-3/8	3.38	86
11871-24-24	1-1/2	1-1/2	6.20	157	2.31	59	2-3/8	4.01	102
11871-32-24	2	1-1/2	6.20	157	2.31	59	2-13/16	4.01	102
11871-32-32	2	2	7.89	200	3.31	84	2-13/16	5.69	145

**11971****SAE Code 61 Flange Head - 90° Elbow**

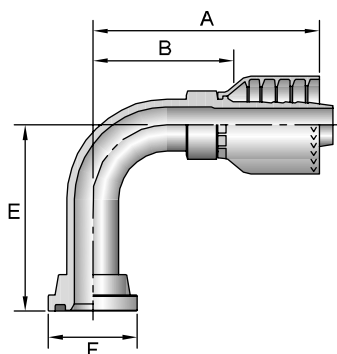
ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)




#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11971-8-8	1/2	1/2	2.93	74	1.6	41	1-3/16	1.72	44
11971-10-10	5/8	5/8	3.62	92	2.10	53	1-11/32	2.37	60
11971-12-8	3/4	1/2	2.93	74	1.66	42	1-1/2	1.72	44
11971-12-10	3/4	5/8	3.62	92	2.10	53	1-1/2	2.37	60
11971-12-12	3/4	3/4	3.48	88	2.28	58	1-1/2	2.10	53
11971-16-12	1	3/4	3.52	89	2.28	58	1-3/4	2.14	54
11971-16-16	1	1	4.36	111	2.76	70	1-3/4	2.58	66
11971-16-20	1	1-1/4	4.53	115	2.39	61	1-3/4	2.75	70
11971-20-12	1-1/4	3/4	3.81	97	2.13	54	2	2.45	62
11971-20-16	1-1/4	1	4.33	110	2.76	70	2	2.55	65
11971-20-20	1-1/4	1-1/4	5.12	130	3.54	90	2	3.43	87
11971-20-24	1-1/4	1-1/2	6.33	161	3.00	76	2	4.14	105
11971-24-16	1-1/2	1	4.53	115	2.39	61	2-3/8	2.75	70
11971-24-20	1-1/2	1-1/4	5.09	129	3.54	90	2-3/8	3.40	86
11971-24-24	1-1/2	1-1/2	6.34	161	4.09	104	2-3/8	4.15	105
11971-32-24	2	1-1/2	6.98	148	4.09	79	2-13/16	4.36	93
11971-32-32	2	2	7.75	197	5.43	138	2-13/16	5.55	141
11971-40-32	2-1/2	2	7.43	189	4.5	114	3-5/16	5.23	133






B

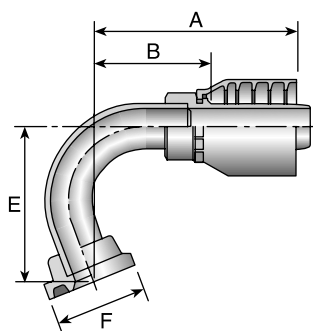
See Accessories Section for O-Rings and Flange Kits.

**18971****SAE Code 61 Flange Head - 90° Elbow - Long Drop**

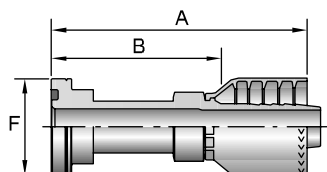
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
18971-12-12	3/4	3/4	3.49	89	3.03	77	1-1/2	2.11	54
18971-16-16	1	1	4.52	115	4.60	117	1-3/4	2.74	70
18971-20-16	1-1/4	1	4.53	115	4.60	117	2	2.75	70




12U71**SAE Code 61 Flange Head - 110° Elbow**

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
12U71-16-16	1	1	4.49	114	3.69	94	1-3/4	2.71	69

**16A71****SAE Code 62 Flange Head**

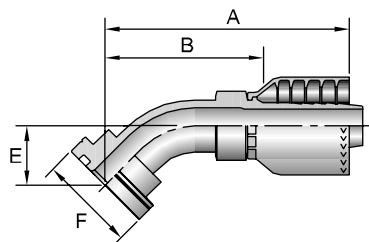
ISO 12151-3 - S - S






#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
16A71-12-12	3/4	3/4	4.31	109	1-5/8	2.93	74
16A71-16-12	1	3/4	3.10	78,7	1-7/8	1.72	43,7
16A71-16-16	1	1	4.89	124	1-7/8	3.11	79
16A71-20-16	1-1/4	1	3.69	93,7	2-1/8	1.91	48,5
16A71-20-20	1-1/4	1-1/4	5.01	127,3	2-1/8	3.32	84,3
16A71-24-24	1-1/2	1-1/2	6.34	161,0	2-1/2	4.15	105,4
16A71-32-32	2	2	7.16	182	3-1/8	4.96	126

16F71**SAE Code 62 Flange Head - 45° Elbow**




ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - S)



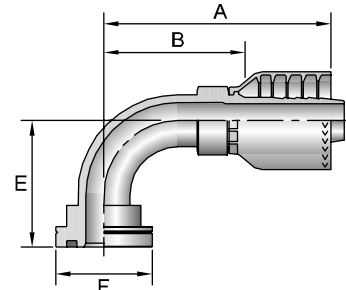
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16F71-12-12	3/4	3/4	3.82	97	1.03	26	1-5/8	2.44	62
16F71-16-16	1	1	4.74	120,3	1.26	32	1-7/8	2.96	75,2
16F71-20-16	1-1/4	1	4.61	117	1.06	27	2-1/8	3.02	77
16F71-20-20	1-1/4	1-1/4	5.07	129	1.19	30	2-1/8	3.38	86
16F71-24-24	1-1/2	1-1/2	6.21	158	1.44	37	2-1/2	4.02	102
16F71-32-32	2	2	7.87	200	2.05	52	3-1/8	5.67	144

16N71**SAE Code 62 Flange Head - 90° Elbow**




ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - S)

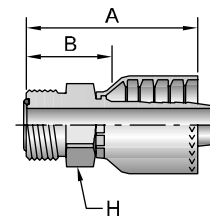
#			A		E			B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
16N71-12-12	3/4	3/4	3.51	89	2.28	58	1-5/8	2.13	54
16N71-16-12	1	3/4	3.49	89	2.29	58	1-7/8	2.11	54
16N71-16-16	1	1	4.36	111	2.76	70	1-7/8	2.58	66
16N71-20-16	1-1/4	1	4.36	111	2.76	70	2-1/8	2.58	66
16N71-20-20	1-1/4	1-1/4	5.09	129	3.54	90	2-1/8	3.40	86
16N71-24-24	1-1/2	1-1/2	5.85	149	3.12	79	2-1/2	3.66	93
16N71-32-32	2	2	7.73	196	4.50	114	3-1/8	5.53	140

⚠ Refer to Pressure Rating of Hose End Connections chart on page E-43.

**1J071****Male Seal-Lok® - Rigid - (with O-Ring)**

ISO 12151-1 - S





# Part Number				A			B	
	Thread inch		Hose I.D. inch	inch	mm	inch	inch	mm
1J071-8-8	1/2	13/16x16	1/2	2.40	61	7/8	1.20	30
1J071-10-8	5/8	1x14	1/2	2.61	66	1-1/16	1.41	36
1J071-10-10	5/8	1x14	5/8	2.69	68	1-1/16	1.44	37
1J071-12-10	3/4	1-3/16x12	5/8	2.79	71	1-1/4	1.55	39
1J071-12-12	3/4	1-3/16x12	3/4	2.87	73	1-1/4	1.51	38
1J071-16-12	1	1-7/16x12	3/4	2.91	74	1-1/2	1.53	39
1J071-16-16	1	1-7/16x12	1	3.27	83	1-1/2	1.68	43
1J071-20-20	1-1/4	1-11/16x12	1-1/4	3.31	84	1-3/4	1.64	42
1J071-24-24	1-1/2	2x12	1-1/2	4.02	102	2-1/8	1.83	46



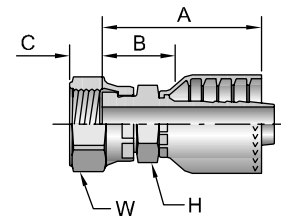
B

1JC71**Female Seal-Lok® - Swivel - Short**

ISO 12151-1 - SWSA

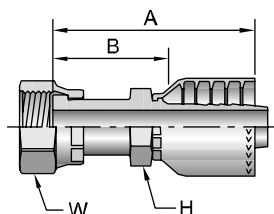
# Part Number				A		C				B	
	Thread inch		Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	mm
1JC71-8-8	1/2	13/16x16	1/2	2.22	56	0.43	11	13/16	15/16	1.01	26
1JC71-10-10	5/8	1x14	5/8	2.40	61	0.48	12	15/16	1-1/8	1.15	29
1JC71-12-12	3/4	1-3/16x12	3/4	2.68	68	0.55	14	1-1/8	1-3/8	1.30	33
1JC71-16-16	1	1-7/16x12	1	3.22	82	0.56	14	1-3/8	1-5/8	1.44	37
1JC71-20-16	1-1/4	1-11/16-12	1	3.16	80	0.59	15	1-5/8	1-7/8	1.38	35

When measuring overall length to end of nut, B+C dimensions must be used to calculate cut-off allowance.



1JS71**Female Seal-Lok® - Swivel - Long**

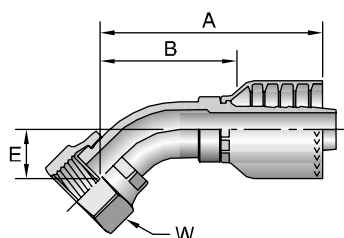
ISO 12151-1 - SWSB






#									
Part Number	Thread	Hose I.D.	A	H	W	B			
	inch	inch	inch	mm	inch	inch	inch	mm	
1JS71-6-6	3/8	11/16x16	3/8	2.80	58	11/16	13/16	1.38	35
1JS71-6-8	3/8	11/16x16	1/2	2.50	64	13/16	13/16	1.29	33
1JS71-8-8	1/2	13/16x16	1/2	2.64	67	13/16	15/16	1.44	37
1JS71-10-8	5/8	1x14	1/2	2.89	23	13/16	1-1/8	1.69	43
1JS71-10-10	5/8	1x14	5/8	3.00	76	15/16	1-1/8	1.75	44
1JS71-10-12	5/8	1x14	3/4	3.08	78	1-1/16	1-1/8	1.70	43
1JS71-12-10	3/4	1-3/16x12	5/8	3.10	79	1-1/8	1-3/8	1.85	47
1JS71-12-12	3/4	1-3/16x12	3/4	3.31	84	1-1/16	1-3/8	1.93	49
1JS71-16-12	1	1-7/16x12	3/4	3.37	86	1-5/16	1-5/8	1.99	51
1JS71-16-16	1	1-7/16x12	1	3.70	94	1-5/16	1-5/8	1.92	49
1JS71-20-16	1-1/4	1-11/16x12	1	3.64	92	1-3/4	1-7/8	1.94	49
1JS71-20-20	1-1/4	1-11/16x12	1-1/4	3.77	96	1-3/4	1-7/8	2.08	53
1JS71-24-24	1-1/2	2x12	1-1/2	4.51	114,6	2	2-1/4	2.32	58,9

1J771**Female Seal-Lok® - Swivel - 45° Elbow**




ISO 12151-1 - SWE45

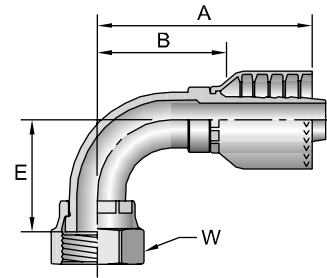


#				A		E			B	
Part Number	Thread inch		Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1J771-6-6	3/8	11/16x16	3/8	2.34	59	0.43	11	13/16	1.44	37
1J771-8-8	1/2	13/16x16	1/2	2.83	72	0.59	15	15/16	1.62	41
1J771-10-8	5/8	1x14	1/2	2.93	74	0.63	16	1-1/8	1.72	44
1J771-10-10	5/8	1x14	5/8	3.08	78	0.63	16	1-1/8	1.83	46
1J771-12-12	3/4	1-3/16x12	3/4	3.63	92	0.83	21	1-3/8	2.25	57
1J771-16-16	1	1-7/16x12	1	4.46	113	0.94	24	1-5/8	2.68	68
1J771-20-20	1-1/4	1-11/16x12	1-1/4	4.75	121	1.00	25	1-7/8	3.08	78
1J771-24-24	1-1/2	2x12	1-1/2	5.43	138	1.07	27	2-1/4	3.23	82




1J971**Female Seal-Lok® - Swivel - 90° Elbow - Short Drop**

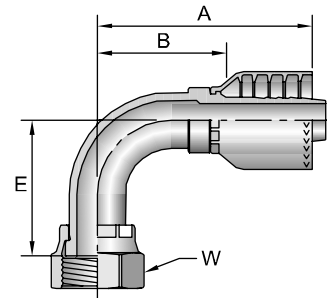
ISO 12151-1 - SWES90

# Part Number			 Hose I.D.	A		E		 W	B	
	Thread inch			inch	mm	inch	mm		inch	mm
1J971-6-6	3/8	11/16x16	3/8	2.21	56	0.91	23	13/16	1.31	33
1J971-8-8	1/2	13/16x16	1/2	2.59	66	1.14	29	15/16	1.38	35
1J971-10-8	5/8	1x14	1/2	2.74	70	1.26	32	1-1/8	1.53	39
1J971-10-10	5/8	1x14	5/8	2.88	73	1.26	32	1-1/8	1.63	41
1J971-10-12	5/8	1x14	3/4	3.07	78	1.27	32	1-1/8	1.70	43
1J971-12-10	3/4	1-3/16x12	5/8	3.40	86	1.89	48	1-3/8	2.15	55
1J971-12-12	3/4	1-3/16x12	3/4	3.49	89	1.89	48	1-3/8	2.11	54
1J971-16-16	1	1-7/16x12	1	4.36	111	2.20	56	1-5/8	2.58	66
1J971-20-20	1-1/4	1-11/16x12	1-1/4	4.86	123	2.51	64	1-7/8	3.19	81
1J971-24-24	1-1/2	2x12	1-1/2	6.22	158	2.68	68	2-1/4	4.03	102




**1J571****Female Seal-Lok® - Swivel - 90° Elbow - Medium Drop**

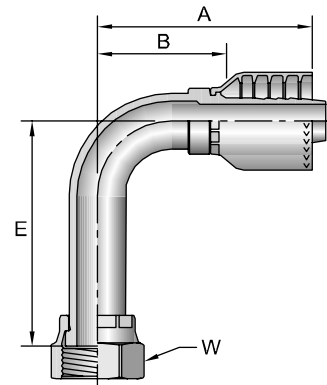
ISO 12151-1 - SWEM90

# Part Number			A		E			B	
	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1J571-8-8	1/2 13/16x16	1/2	2.59	66	1.61	41	15/16	1.38	35
1J571-10-10	5/8 1x14	5/8	2.88	73	1.85	47	1-1/8	1.63	41
1J571-12-12	3/4 1-3/16x12	3/4	3.49	89	2.28	58	1-3/8	2.11	54

**1J171****Female Seal-Lok® - Swivel - 90° Elbow - Long Drop**

ISO 12151-1 - SWEL90

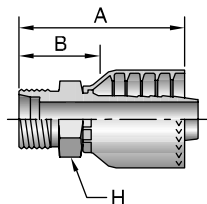
# Part Number				A		E			B	
	Thread inch			inch	mm	inch	mm		inch	mm
1J171-6-6	3/8	11/16x16	3/8	2.39	61	2.13	54	13/16	1.49	38
1J171-8-8	1/2	13/16x16	1/2	2.59	66	2.52	64	15/16	1.38	35
1J171-10-10	5/8	1x14	5/8	2.88	73	2.76	70	1-1/8	1.63	41
1J171-12-12	3/4	1-3/16x12	3/4	3.49	89	3.78	96	1-3/8	2.11	54
1J171-16-12	1	1-7/16x12	3/4	4.07	103	4.50	114	1-5/8	2.69	68
1J171-16-16	1	1-7/16x12	1	4.36	111	4.49	114	1-5/8	2.58	66
1J171-20-20	1-1/4	1-11/16x12	1-1/4	4.88	124	5.09	129	1-7/8	3.19	81
1J171-24-24	1-1/2	2x12	1-1/2	5.83	148	5.54	141	2-1/4	3.64	92



Use with 721TC, 774 hoses.

1D271**Male Metric S - Rigid - (24° Cone)**

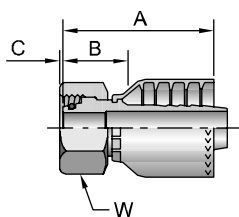
ISO 12151-2 - S - S



#				A		H	B	
Part Number	Thread mm	Hose I.D. inch		inch	mm	mm	inch	mm
1D271-25-12	25 M36x2	3/4		2.90	74	36	1.52	39
1D271-30-16	30 M42x2	1		3.45	88	46	1.67	42

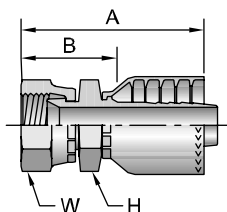
1C971**Female Metric S - Swivel - (24° Cone with O-Ring)**

ISO 12151-2 - SWS - S



#			A		C		W	B	
Part Number	Thread mm	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
1C971-12-6	12 M20x1,5	3/8	1.99	51	0.03	1	24	1.17	30
1C971-16-8	16 M24x1,5	1/2	2.33	59	0.09	2	30	1.18	30
1C971-20-10	20 M30x2	5/8	2.55	65	0.05	1	36	1.39	35
1C971-25-12	25 M36x2	3/4	2.68	68	0.10	3	46	1.10	28
1C971-30-16	30 M42x2	1	3.07	78	0.19	5	50	1.30	33
1C971-38-20 [^]	38 M52x2	1-1/4	3.15	80	0.23	6	60	1.30	33

When measuring overall length to end of nut, B+C dimensions must be used to calculate cut-off allowance.

1FU71**Female BSP Parallel Pipe - Swivel - (30° Flare)**

#			A		H	W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	mm	mm	inch	mm
1FU71-6-6	3/8x19	3/8	2.39	61	24	22	1.50	38
1FU71-8-8	1/2x14	1/2	2.71	69	27	27	1.51	38
1FU71-12-12	3/4x14	3/4	3.10	79	36	36	1.74	44
1FU71-16-16	1x11	1	3.52	89	41	41	1.93	49
1FU71-20-20	1-1/4x11	1-1/4	3.87	98	50	50	2.20	56
1FU71-24-24	1-1/2x11	1-1/2	4.66	118	60	60	2.53	64

Metric S: Mates with EO "S" Series Fittings.

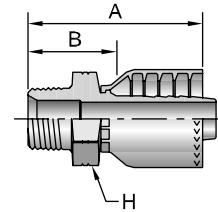
[^] Must be assembled with Die Part No. 83C-D16H in a Superkrimp or Parkrimp 2.

^{^^} Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2.

See Accessories for Flange Kits and O-Rings.

19171**Male BSP Taper Pipe - Rigid - (60° Cone)**

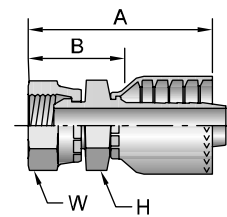
# Part Number	Thread mm	Hose I.D. inch	A		H mm	B	
			inch	mm		inch	mm
19171-4-6-AU	1/4x19	3/8	2.34	59	17	1.1	28
19171-6-6-AU	3/8x19	3/8	2.36	60	19	1.12	28
19171-8-6-AU	1/2x14	3/8	2.58	66	22	1.34	34
19171-8-8-AU	1/2x14	1/2	2.80	71	22	1.35	34
19171-6-8-AU	3/8x19	1/2	2.61	66	22	1.16	30
19171-8-8-AU	1/2x14	1/2	2.80	71	22	1.35	34
19171-12-8-AU	3/4x14	1/2	2.88	73	30	1.43	36
19171-8-10-AU	1/2x14	5/8	2.94	75	24	1.38	35
19171-10-10-AU	5/8x14	5/8	2.94	75	24	1.38	35
19171-12-10-AU	3/4x14	5/8	3.09	79	30	1.44	37
19171-8-12-AU	1/2x14	3/4	3.07	78	27	1.44	37
19171-10-12-AU	5/8x14	3/4	3.04	77	27	1.41	36
19171-12-12-AU	3/4x14	3/4	3.10	79	30	1.47	37
19171-16-12-AU	1x11	3/4	3.35	85	36	1.72	44
19171-12-16-AU	3/4x14	1	3.63	92	36	1.62	41
19171-16-16-AU	1x11	1	3.82	97	36	1.81	46
19171-16-20-AU	1x11	1 1/4	4.02	102	46	1.95	50
19171-20-20-AU	1 1/4 x 11	1 1/4	4.08	104	46	2.01	51
19171-24-24-AU	1 1/2x11	1 1/2	4.79	122	50	2.10	53
19171-32-32-AU	2x11	2	5.26	134	60	2.38	61







B

19271**Female BSP Parallel Pipe - Swivel - (60° Cone)**

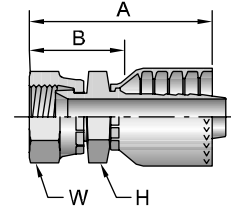
# Part Number	Thread inch	Hose I.D. inch	A		H mm	W mm	B	
			inch	mm			inch	mm
19271-4-6-AU	1/4x19	3/8	2.44	62	17	19	1.20	31
19271-6-6-AU	3/8x19	3/8	2.50	64	17	22	1.26	32
19271-8-6-AU	1/2x14	3/8	2.65	67	22	27	1.41	36
19271-6-8-AU	3/8x19	1/2	2.77	70	22	22	1.32	34
19271-8-8-AU	1/2x14	1/2	2.87	73	22	27	1.42	36
19271-10-8-AU	5/8x14	1/2	2.94	75	24	30	1.49	38
19271-12-8-AU	3/4x14	1/2	3.00	76	27	32	1.55	39
19271-8-10-AU	1/2x14	5/8	3.14	80	24	27	1.49	38
19271-10-10-AU	5/8x14	5/8	3.06	78	24	30	1.50	38
19271-12-10-AU	3/4x14	5/8	3.22	82	27	32	1.56	40
19271-12-12-AU	3/4x14	3/4	3.29	84	27	32	1.66	42
19271-16-12-AU	1x11	1	3.48	88	32	41	1.85	47
19271-16-16-AU	1x11	1	3.99	101	36	41	1.98	50
19271-20-20-AU	1 1/4 x 11	1 1/4	4.40	112	46	50	2.33	59
19271-24-24-AU	1 1/2x11	1 1/2	5.30	135	50	60	2.61	66
19271-32-32-AU	2x11	2	5.69	145	60	70	2.81	71







1MU71**Female Metric - Swivel - (30° Flare)**

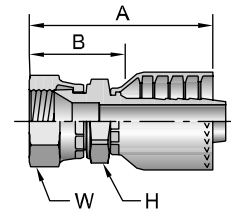
# Part Number	 Thread inch	 Hose I.D. inch	A		 H mm	 W mm	B	
			inch	mm			inch	mm
1MU71-6-6	M18x1,5	3/8	2.45	62	24	24	1.56	40
1MU71-8-8	M22x1,5	1/2	2.83	72	27	27	1.45	37

Japanese Fittings - Female Swivel 30° Flare with Metric Threads. All 30° flared fitting sizes are available by combining 1MU71 fittings in sizes up to 1/2 with 1XU71 fittings in sizes 5/8 inch and larger.

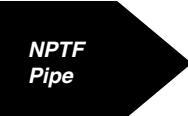
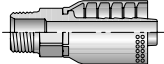

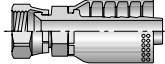
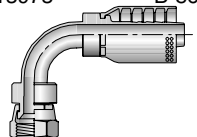

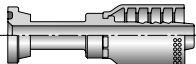
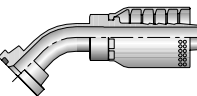
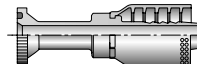
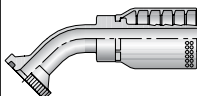
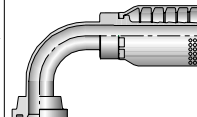
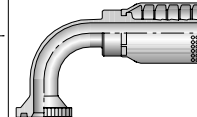

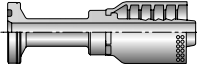
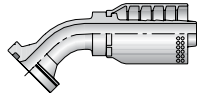
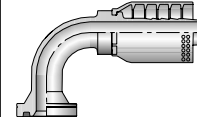

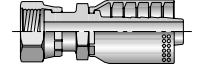
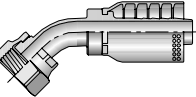
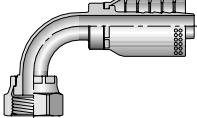

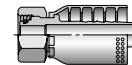

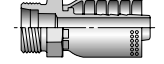
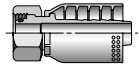
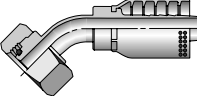
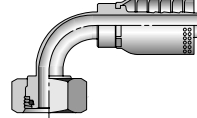

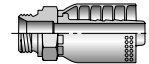
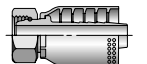
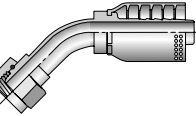
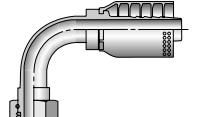
**1XU71****Female Metric - Swivel - (30° Flare)**

# Part Number	 Thread mm		 Hose I.D. inch	A		 H mm	 W mm	B	
				inch	mm			inch	mm
1XU71-10-10	5/8	M24x1,5	5/8	3.16	80	30	32	1.91	49
1XU71-12-12	3/4	M30x1,5	3/4	3.40	86	32	36	2.02	51
1XU71-16-16	1	M33x1,5	1	4.11	104	36	41	2.33	59
1XU71-20-20	1-1/4	M36x1,5	1-1/2	4.19	106	46	46	2.50	64
1XU71-24-24	1-1/2	M42x1,5	1-1/2	5.00	127	50	55	2.80	71

Japanese Fittings - Female Swivel 30° Flare with Metric Threads. All 30° flared fitting sizes are available by combining 1MU71 fittings in sizes up to 1/2 with 1XU71 fittings in sizes 5/8 inch and larger.



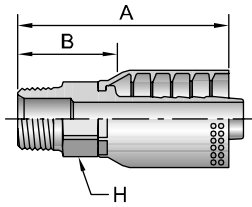
Use with 731 hoses.

 NPTF Pipe	10173 B-86  <i>Male - Rigid</i>	 JIC 37°	10673 B-86  <i>Female - Swivel</i>	13973 B-86  <i>Female - Swivel 90° Elbow - Short</i>	 Code 61 Flange
11573 B-86  <i>Flange</i>	11773 B-87  <i>45° Elbow</i>	14A73 B-87  <i>Flange (5000 psi)</i>	14F73 B-87  <i>45° Elbow (5000 psi)</i>	11973 B-87  <i>90° Elbow</i>	14N73 B-88  <i>90° Elbow (5000 psi)</i>
 Code 62 Flange	16A73 B-88  <i>Flange</i>	16F73 B-88  <i>45° Elbow</i>	16N73 B-88  <i>90° Elbow</i>	 Seal-Lok® (O-Ring Face Seal)	1JS73 B-89  <i>Female - Swivel Long</i>
1J773 B-89  <i>Female - Swivel 45° Elbow</i>	1J973 B-89  <i>Female - Swivel 90° Elbow - Short</i>	 DIN "L" Series	1CA73 B-90  <i>Female Metric L - Swivel</i>	 DIN "S" Series	1D273 B-90  <i>Male Metric S - Rigid</i>
1C973 B-90  <i>Female Metric S - Swivel</i>	10C73 B-90  <i>Female Metric S - Swivel</i>	11C73 B-91  <i>Female Metric S - Swivel</i>	 BSP 60° Cone	1D973 B-91  <i>Male BSP - Parallel Pipe - Rigid</i>	19273 B-91  <i>Female BSP - Parallel Pipe - Swivel</i>
1B173 B-92  <i>Female BSP - Parallel Pipe - Swivel</i>	1B273 B-92  <i>Female BSP - Parallel Pipe - Swivel</i>				

B

10173

Male NPTF Pipe - Rigid

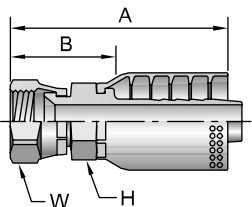






#							
Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
10173-12-12	3/4x14	3/4	3.56	90	1-1/8	1.75	44
10173-16-16	1x11-1/2	1	3.94	100	1-3/8	2.00	51
10173-20-20	1-1/4x11-1/2	1-1/4	4.92	125	1-3/4	2.43	62
10173-24-24	1-1/2x11-1/2	1-1/2	4.88	124	2	2.57	65
10173-32-32	2x11-1/2	2	5.57	141	2-1/2	2.87	73

Note: All sizes of 10173 fittings are rated at 5,000 psi working pressure.

10673

Female JIC 37° - Swivel

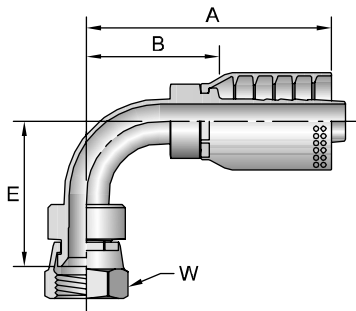


#				A				B	
Part Number	Thread inch		Hose I.D. inch	inch	mm	inch	inch	inch	mm
10673-12-12	3/4	1-1/16x12	3/4	3.66	93	1-1/8	1-1/4	1.85	47
10673-16-12	1	1-5/16x12	3/4	3.90	99	1-3/8	1-1/2	2.09	53
10673-16-16	1	1-5/16x12	1	4.03	102	1-3/8	1-1/2	2.09	53
10673-20-20	1-1/4	1-5/8x12	1-1/4	4.93	125	1-3/4	2	2.44	62
10673-24-24	1-1/2	1-7/8x12	1-1/2	5.04	128	2	2-1/4	2.73	69
10673-32-32	2	2-1/2x12	2	5.91	150	2-1/2	2-7/8	3.21	82

Note: All sizes of 10673 fittings are rated at 5,000 psi working pressure.

13973

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

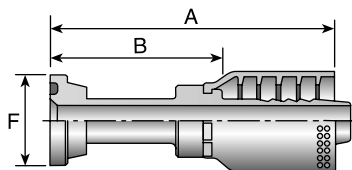


#									
Part Number	Thread inch	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm	inch	inch	mm
13973-12-12	3/4 1-1/16x12	3/4	4.12	105	2.44	62	1-1/4	2.31	59
13973-16-16	1 1-5/16x12	1	4.71	120	2.93	74	1-1/2	2.77	70

Note: All sizes of 13973 fittings are rated at 5,000 psi working pressure.

11573

SAE Code 61 Flange Head ISO 12151-3 - S - L






#							
Part Number	Flange inch	Hose I.D. inch	A		F	B	
			inch	mm	inch	inch	mm
11573-12-12	3/4	3/4	4.34	110,2	1-1/2	2.53	64,3
11573-16-16	1	1	4.59	117	1-3/4	2.65	67

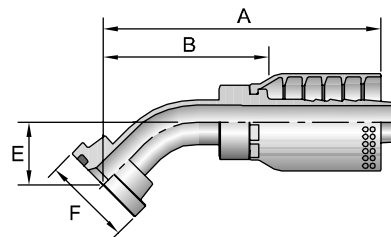
See Accessories Section for O-Rings and Flange Kits.

Use with 731 hoses.




11773**SAE Code 61 Flange Head - 45° Elbow**

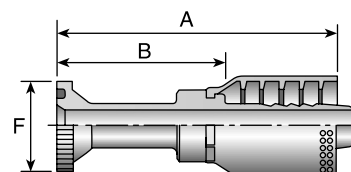
ISO 12151-3 - E450S - L (1 Piece: ISO 12151-3 - E45M - L)

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11773-12-12	3/4	3/4	4.31	109	1.02	26	1-1/2	2.50	64
11773-16-16	1	1	5.01	127	1.26	32	1-3/4	3.07	78

**14A73****SAE Code 61 Flange Head - 5000 psi**

ISO 12151-3 - S - L




#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
14A73-20-20	1-1/4	1-1/4	5.54	141	2	3.05	77
14A73-24-24	1-1/2	1-1/2	6.53	166	2-3/8	4.22	107
14A73-32-32	2	2	6.14	156	2-13/16	3.44	87

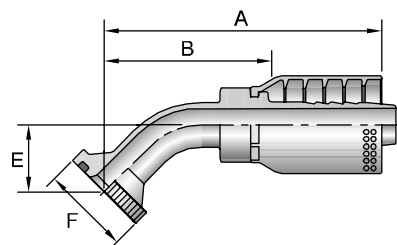


B




14F73**SAE Code 61 Flange Head - 45° Elbow - 5000 psi**

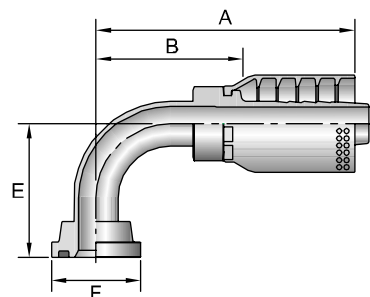
ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)

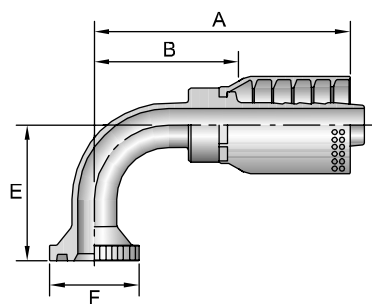
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
14F73-20-20	1-1/4	1-1/4	6.39	162	150	38	2	3.90	99
14F73-24-24	1-1/2	1-1/2	6.99	178	1.73	44	2-3/8	4.68	119
14F73-32-32	2	2	8.40	214	2.21	56	2-13/16	5.71	145

**11973****SAE Code 61 Flange Head - 90° Elbow**




ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11973-12-12	3/4	3/4	3.97	101	2.28	58	1-1/2	2.16	55
11973-16-12	1	3/4	4.00	102	2.28	58	1-3/4	2.19	56
11973-16-16	1	1	4.63	118	2.76	70	1-3/4	2.69	68



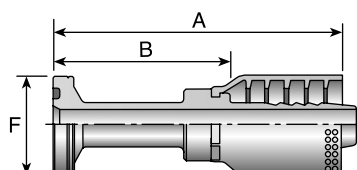
**14N73****SAE Code 61 Flange Head - 90° Elbow - 5000 psi**




ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
14N73-20-20	1-1/4	1-1/4	6.09	155	3.54	90	2	3.60	91
14N73-24-24	1-1/2	1-1/2	6.52	166	4.09	104	2-3/8	4.21	107
14N73-32-32	2	2	7.82	199	5.43	138	2-13/16	5.12	130

16A73**SAE Code 62 Flange Head**

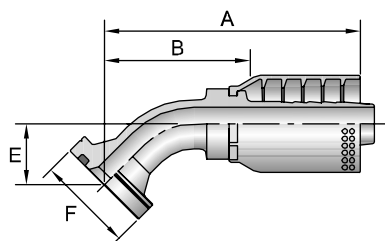
ISO 12151-3 - S - S






#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
16A73-12-12	3/4	3/4	4.60	117	1-5/8	2.79	71
16A73-16-16	1	1	5.16	131	1-7/8	3.22	82
16A73-20-16	1-1/4	1	3.95	100	2-1/8	2.01	51
16A73-20-20	1-1/4	1-1/4	5.85	149	2-1/8	3.36	85
16A73-24-24	1-1/2	1-1/2	6.54	166	2-1/2	4.23	107
16A73-32-32	2	2	7.63	194	3-1/8	4.93	125

16F73**SAE Code 62 Flange Head - 45° Elbow**

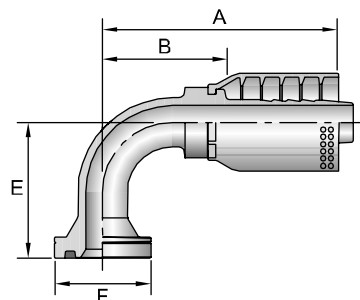
ISO 12151-3 - E45S - S (1 Piece: ISO 12151-3 - E45M - S)






#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16F73-12-12	3/4	3/4	4.31	109	1.02	26	1-5/8	2.50	64
16F73-16-16	1	1	5.01	127	1.26	32	1-7/8	3.07	78
16F73-20-20	1-1/4	1-1/4	6.39	162	1.50	38	2-1/8	3.90	99

16N73**SAE Code 62 Flange Head - 90° Elbow**





ISO 12151-3 - E90S - S (1 Piece: ISO 12151-3 - E90M - S)

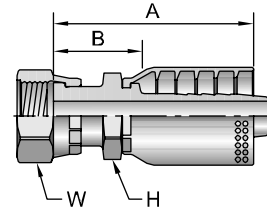


#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16N73-12-12	3/4	3/4	3.97	101	2.28	58	1-5/8	2.16	55
16N73-16-16	1	1	4.63	118	2.76	70	1-7/8	2.69	68
16N73-20-20	1-1/4	1-1/4	6.09	151	3.54	90	2-1/8	3.60	91
16N73-24-24	1-1/2	1-1/2	6.52	166	4.09	104	2-1/2	4.21	107
16N73-32-32	2	2	7.82	199	5.43	138	3-1/8	5.12	130




1JS73**Female Seal-Lok® - Swivel - Long**

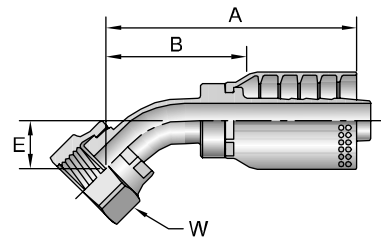
ISO 12151-1 - SWSB

# Part Number	 Thread inch		 Hose I.D. inch	A		 H	 W	B	
				inch	mm	inch	inch	inch	mm
1JS73-12-12	3/4	1-3/16x12	3/4	3.70	94	1-1/8	1-3/8	1.89	48
1JS73-16-12	1	1-7/16x12	3/4	3.78	96	1-3/8	1-5/8	1.97	50
1JS73-16-16	1	1-7/16x12	1	4.03	102	1-3/8	1-5/8	2.09	53
1JS73-20-20	1-1/4	1-11/16x12	1-1/4	4.62	132	1-3/4	1-7/8	2.13	69




**1J773****Female Seal-Lok® - Swivel - 45° Elbow**

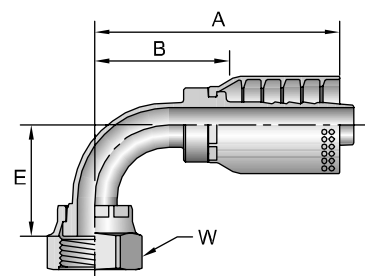
ISO 12151-1 - SWE45

# Part Number	 Thread inch		 Hose I.D. inch		A inch mm		E inch mm		 W inch		B inch mm	
	3/4	1-3/16x12	3/4		inch	mm	inch	mm	inch		inch	mm
1J773-12-12	3/4	1-3/16x12	3/4		4.11	104	0.81	21	1-3/8		2.30	58
1J773-16-16	1	1-7/16x12	1		4.69	119	0.94	24	1-5/8		2.75	70
1J773-20-20	1-1/4	1-11/16x12	1-1/4		5.78	147	0.98	25	1-7/8		3.29	84

**1J973****Female Seal-Lok® - Swivel - 90° Elbow - Short Drop**

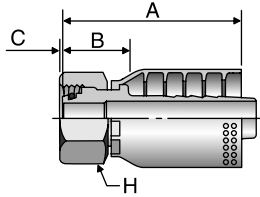
ISO 12151-1 - SWES90




# Part Number			A		E			B	
	Thread inch	Hose I.D. inch	inch	mm	inch	mm	W inch	inch	mm
1J973-12-12	3/4 1-3/16x12	3/4	3.97	100	1.89	48	1-3/8	2.16	55
1J973-16-16	1 1-7/16x12	1	4.62	117	2.20	56	1-5/8	2.68	68
1J973-20-20	1-1/4 1-11/16x12	1-1/4	5.82	148	2.52	64	1-7/8	3.33	85



1CA73**Female Metric L - Swivel - (24° Cone with O-Ring)**

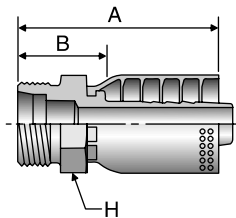
ISO 12151-2 - SWS



# Part Number	 Thread		 Hose I.D.	A		C		 W	B	
	mm			inch	mm	inch	mm		inch	mm
1CA73-28-16	25	M36x2	1	3.43	87	0.14	3.56	41	1.42	36

1D273**Male Metric S - Rigid - (24° Cone)**

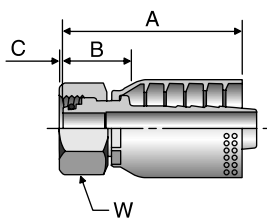
ISO 12151-2



# Part Number	Thread mm	Hose I.D. inch	A		H	B	
	mm	inch	inch	mm	mm	inch	mm
1D273-20-12	20	M30x2	3/4	3.31	84	1.42	36
1D273-25-12	25	M36x2	3/4	3.39	86	1.50	38
1D273-30-16	30	M42x2	1	3.70	94	1.73	44
1D273-38-20	38	M52x2	1-1/4	4.41	112	1.89	48

1C973**Female Metric S - Swivel - (24° Cone with O-Ring)**

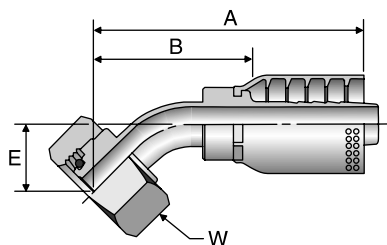
ISO 12151-2 - SWS



# Part Number	Thread mm	Hose I.D. inch	A		C		W	B	
	mm	inch	inch	mm	inch	mm	mm	inch	mm
1C973-20-12	20	M30x2	3/4	3.19	81	0.05	1.3	1.30	33
1C973-25-12	25	M36x2	3/4	3.15	80	0.09	2.3	1.26	32
1C973-25-16	25	M36x2	1	3.43	87	0.09	2.3	1.42	36
1C973-30-16	30	M42x2	1	3.43	87	0.19	4.8	1.42	36
1C973-30-20	30	M42x2	1-1/4	4.17	106	0.19	4.8	1.65	42
1C973-38-20	38	M52x2	1-1/4	4.02	102	0.23	5.8	1.38	35

10C73**Female Metric S - Swivel - 45° Elbow - (24° Cone with O-Ring)**




ISO 12151-2 - SWE45 - S

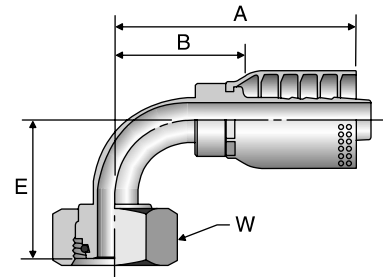


# Part Number	Thread mm	Hose I.D. inch	A		E		W	B	
	mm	inch	inch	mm	inch	mm	mm	inch	mm
10C73-20-12	20	M30x2	3/4	4.41	112	1.10	28	2.52	64
10C73-25-12	25	M36x2	3/4	4.45	113	1.14	29	2.56	65
10C73-30-16	30	M42x2	1	5.16	131	1.34	34	3.19	81




11C73**Female Metric S - Swivel - 90° Elbow - (24° Cone with O-Ring)**

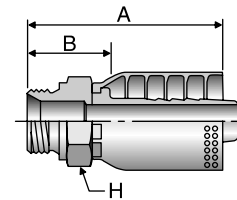
ISO 12151-2 - SWE - S

# Part Number	 Thread		 Hose I.D.	A		E		 W	B	
	mm			inch	mm	inch	mm		inch	mm
11C73-20-12	20	M30X2	3/4	3.98	101	2.24	57	36	2.09	53
11C73-25-12	25	M36X2	3/4	3.98	101	2.32	59	46	2.05	52
11C73-25-16	25	M36X2	1	4.80	122	2.76	70	46	2.80	71
11C73-30-16	30	M42X2	1	4.80	122	2.87	73	50	2.83	72
11C73-38-20	38	M52X2	1-1/4	5.94	151	3.07	78	60	3.43	87

**1D973****Male BSP Parallel Pipe - Rigid - (60° Cone)**

ISO 228-1




# Part Number	 Thread		 Hose I.D.	A		 H	B	
	BSP			inch	mm		inch	mm
1D973-12-12	19,1	3/4x14	3/4	3.43	87	32	1.50	38
1D973-16-16	25,4	1x11	1	3.74	95	41	1.69	43

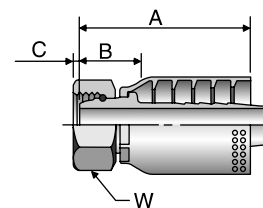


B

19273**Female BSP Parallel Pipe - Swivel - (60° Cone)**

ISO 228-1

# Part Number	 Thread		 Hose I.D.	A		C		 W	B	
	inch			inch	mm	inch	mm		inch	mm
19273-12-12-AU	3/4x14		3/4	3.03	77	0.46	11.7	32	1.14	29
19273-16-16-AU	1x11		1	3.50	89	0.44	11.2	41	1.50	38
19273-20-20-AU	1-1/4x11		1-1/4	3.98	101	0.52	13.2	50	1.46	37

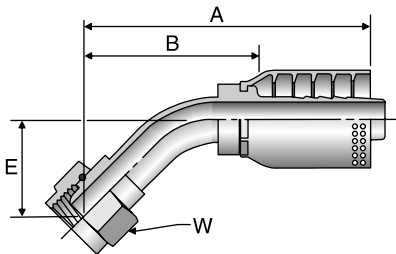





Use with 731 hoses.

1B173

Female BSP Parallel Pipe - Swivel- 45° Elbow - (60° Cone)

ISO 228-1

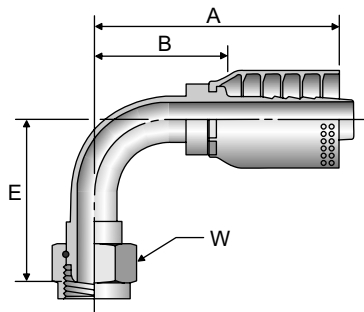





# Part Number	 Thread inch	 Hose I.D. inch	A		E		 W mm	B	
			inch	mm	inch	mm	mm	inch	mm
1B173-12-12	3/4x14	3/4	4.33	110	1.02	26	32	2.44	62
1B173-16-16	1x11	1	5.35	136	1.54	39	41	3.31	84

1B273

Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)

ISO 228-1




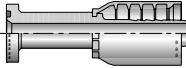
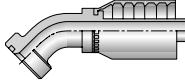
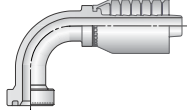
# Part Number	 Thread inch	 Hose I.D. inch	A		E		 W mm	B	
			inch	mm	inch	mm	mm	inch	mm
1B273-12-12	3/4x14	3/4	4.17	106	2.17	55	32	2.28	58
1B273-16-16	1x11	1	4.76	121	2.99	76	41	2.76	70
1B273-20-20	1-1/4x11	1-1/4	5.94	151	3.15	80	50	3.43	87

B




NOTES

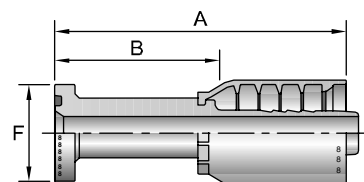
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


Use with 761 hoses.

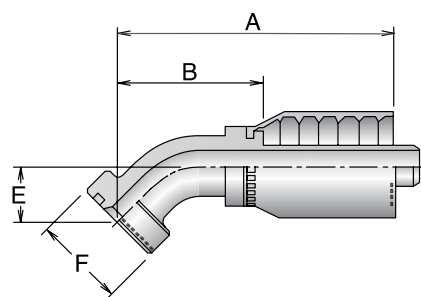
	18A76	B-95	18F76	B-95	18N76	B-95
						
	<i>Flange</i>		<i>45° Elbow</i>		<i>90° Elbow</i>	




18A76**Flange Head - 8,000 psi**

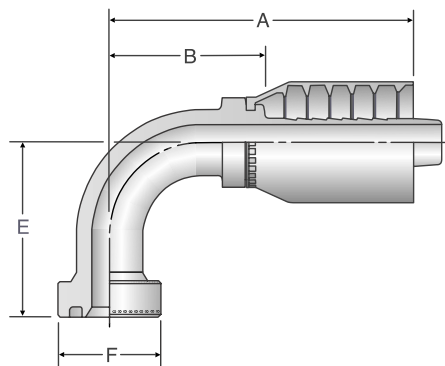
#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
18A76-12-12	3/4	3/4	5.29	134	1-5/8	2.96	75
18A76-16-16	1	1	5.72	145	1-7/8	3.17	81

**18F76****Flange Head - 45° Elbow - 8,000 psi**

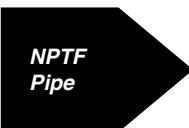
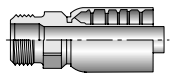

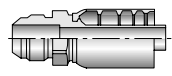
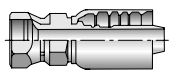
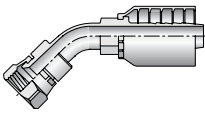
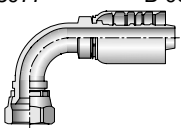

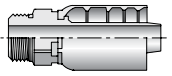

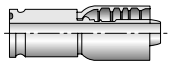
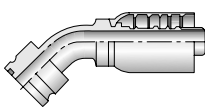
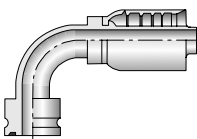

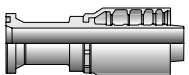
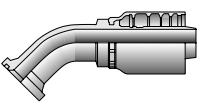
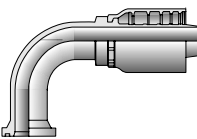
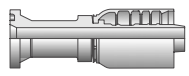
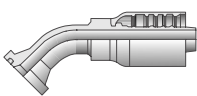
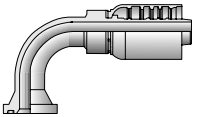

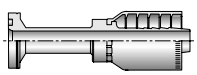
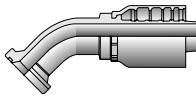
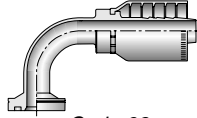

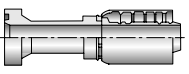
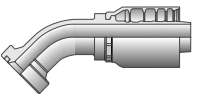
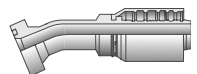
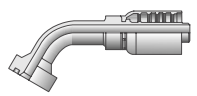
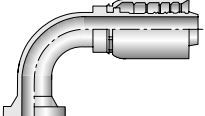

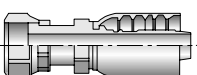
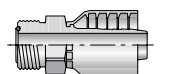
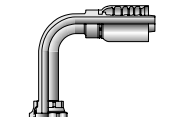
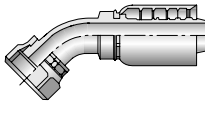
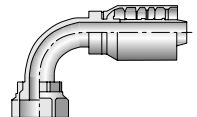

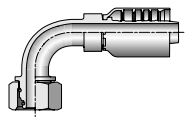
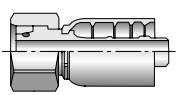
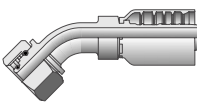
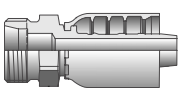

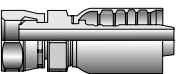
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
18F76-12-12	3/4	3/4	4.95	125,7	1.024	26	1-5/8	2.62	66,5
18F76-16-16	1	1	6.10	155,0	1.260	32	1-7/8	3.55	90,1

**18N76****Flange Head - 90° Elbow - 8,000 psi**

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
18N76-12-12	3/4	3/4	4.81	122,1	2.76	70	1-5/8	2.48	63
18N76-16-16	1	1	5.88	149,5	2.76	70	1-7/8	3.33	84,6





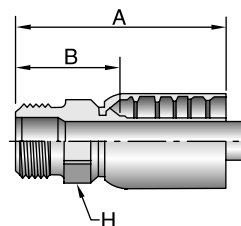
Use with 787TC, 797TC hoses.



 NPTF Pipe	10177 B-97  <i>Male - Rigid</i>	 JIC 37°	10377 B-97  <i>Male - Rigid</i>	10677 B-97  <i>Female - Swivel Straight</i>	13777 B-98  <i>Female - Swivel 45° Elbow - Short</i>
13977 B-98  <i>Female - Swivel 90° Elbow - Short</i>	 Straight Thread O-Ring	10577 B-97  <i>Male - Rigid</i>	 Full Flange	1X577 B-98  <i>Full Flange - Straight</i>	1X777 B-99  <i>45° Elbow</i>
1X977 B-99  <i>90° Elbow</i>	 Flange Code 61	14A77 B-100  <i>Flange Code 61</i>	14F77 B-100  <i>Code 61 - 45° Elbow</i>	14N77 B-101  <i>Code 61 - 90° Elbow</i>	11577 B-99  <i>Flange Code 61</i>
11777 B-100  <i>Flange Code 61</i>	11977 B-100  <i>Flange Code 61</i>	 Flange Code 62	16A77 B-101  <i>Flange Code 62</i>	16F77 B-101  <i>Code 62 45° Elbow</i>	16N77 B-102  <i>Code 62 90° Elbow</i>
 Caterpillar® Flange	1XA77 B-102  <i>Caterpillar® - Flange</i>	1XF77 B-102  <i>Caterpillar® - Flange 45° Elbow</i>	1XB77 B-103  <i>Caterpillar® - Flange 22-1/2° Elbow</i>	1XG77 B-103  <i>Caterpillar® - Flange 60° Elbow</i>	1XN77 B-103  <i>Flange - 90° Elbow</i>
 Seal-Lok®	1JS77 B-104  <i>Female - Swivel Straight - Long</i>	1J077 B-105  <i>Male - Rigid w/O-Ring</i>	1J177 B-105  <i>Female - Swivel 90° - Long</i>	1J777 B-105  <i>Female - Swivel 45° Elbow</i>	1J977 B-106  <i>Female - Swivel 90° Elbow - Short</i>
 DIN "S" Series w/O-Ring	11C77 B-106  <i>Female - Swivel 90° Elbow</i>	1C977 B-106  <i>Female - Swivel Straight</i>	10C77 B-107  <i>Female Metric S Swivel - 45° Elbow</i>	1D277 B-107  <i>Male Metric S Rigid - 24° Cone</i>	 BSP
19277 B-107  <i>Female - Swivel Straight</i>					

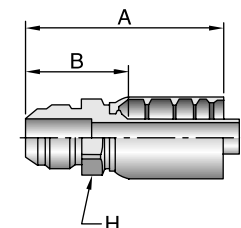
Use with 787TC, 797TC hoses.

10177**Male NPTF Pipe - Rigid - Straight**

# Part Number	 Thread inch	 Hose I.D. inch	A		H	B	
			inch	mm	mm	inch	mm
10177-8-8	1/2x14	1/2	2.72	69,2	22	1.50	38,2
10177-8-12	1/2x14	3/4	3.43	87,1	30	1.79	45,5
10177-12-12	3/4x14	3/4	3.43	87,1	30	1.79	45,5
10177-16-16	1x11-1/2	1	4.04	102,6	36	2.09	53,1
10177-20-20	1-1/4x11-1/2	1-1/4	4.57	116,1	46	2.30	58,4



**10377****Male JIC 37° - Rigid - Straight**

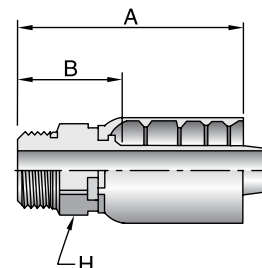
# Part Number	 Thread inch		 Hose I.D. inch	A		H	B	
				inch	mm	mm	inch	mm
10377-8-8	1/2	3/4x16	1/2	2.61	66,4	22	1.39	35,4
10377-10-8	5/8	7/8x14	1/2	2.71	68,9	24	1.49	37,9
10377-16-16	1	1-5/16x12	1	3.99	101,3	36	2.04	51,8





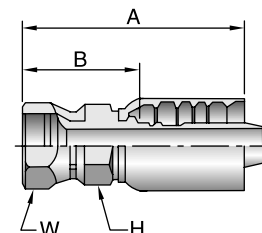
B

10577**Male SAE Straight Thread with O-Ring - Rigid - Straight**

# Part Number	 Thread inch		 Hose I.D. inch	A		H	B	
				inch	mm	inch	inch	mm
10577-8-8	1/2	3/4x16	1/2	2.39	60,8	22	1.17	29,8
10577-12-12	3/4	1-1/16x12	3/4	3.17	80,5	32	1.53	38,9
10577-16-16	1	1-5/16x12	1	3.73	94,7	41	1.78	45,2
10577-20-20	1-1/4	1-5/8x12	1-1/4	4.17	105,9	50	1.90	48,2

**10677****Female JIC 37° - Swivel - Straight**

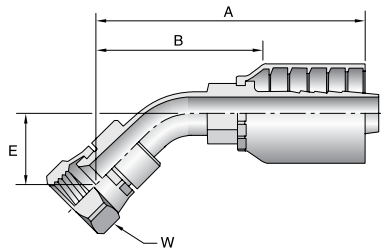
# Part Number	 Thread inch		 Hose I.D. inch	A		H	W	B	
				inch	mm	inch	mm	inch	mm
10677-8-8	1/2	3/4x16	1/2	2.79	71,1	22	22	1.58	40,1
10677-10-8	5/8	7/8x14	1/2	2.91	74,0	22	27	1.69	43,0
10677-10-10	5/8	7/8x14	5/8	3.18	80,7	24	27	1.83	46,5
10677-12-10	3/4	1-1/16x12	5/8	3.30	83,9	30	32	1.95	49,6
10677-12-12	3/4	1-1/16x12	3/4	3.68	93,5	30	32	2.05	52,0
10677-16-12	1	1-5/16x12	3/4	3.89	98,7	36	41	2.25	57,3
10677-16-16	1	1-5/16x12	1	4.16	105,7	36	41	2.21	56,2
10677-20-16	1-1/4	1-5/8x12	1	4.29	109,1	41	50	2.34	59,5
10677-20-20	1-1/4	1-5/8x12	1-1/4	4.86	123,5	46	50	2.59	65,8



⚠ Refer to Pressure Rating of Hose End Connections chart on page E-43.

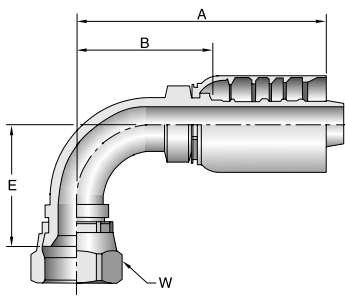
All sizes of 10677 fittings are rated at 5,000 psi working pressure

Use with 787TC, 797TC hoses.

13777**Female JIC 37° - Swivel - 45° Elbow - Short Drop**

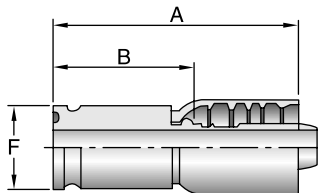
#										
Part Number	Thread	Hose I.D.	A	E	W	B				
	inch	inch	inch	mm	inch	mm	mm	inch	mm	
13777-8-8	1/2 3/4x16	1/2	2.86 72,7	0.59 15	22	1.64 41,8				
13777-12-12	3/4 1-1/16x12	3/4	4.37 110,9	0.83 21	32	2.73 69,4				
13777-16-16	1 1-5/16x12	1	4.79 121,7	0.94 24	41	2.84 72,2				
13777-20-20	1-1/4 1-5/8x12	1-1/4	6.03 153,2	1.26 32	50	3.76 95,5				

All sizes of 13777 fittings are rated at 5,000 psi working pressure

13977**Female JIC 37° - Swivel - 90° Elbow - Short Drop**

#										
Part Number	Thread	Hose I.D.	A	E	W	B				
	inch	inch	inch	mm	inch	mm	mm	inch	mm	
13977-8-8	1/2 3/4x16	1/2	2.78 70,7	1.14 29,0	22	1.56 39,7				
13977-12-12	3/4 1-1/16x12	3/4	4.23 107,4	1.89 48,0	32	2.60 66,0				
13977-16-16	1 1-5/16x12	1	4.72 119,9	2.93 74,4	41	2.77 70,4				
13977-20-20	1-1/4 1-5/8x12	1-1/4	5.81 147,6	3.07 78,0	50	3.54 90,0				

All sizes of 13977 fittings are rated at 5,000 psi working pressure




1X577**Full Flange - Straight - Code 61/62**

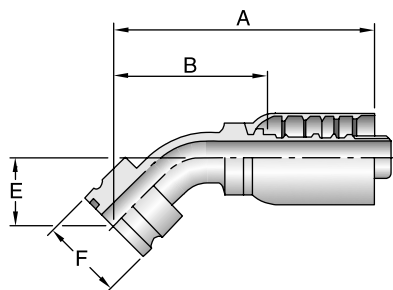
#								
Part Number	Flange	Hose I.D.	A	F	B			
	inch	inch	inch	inch	inch	mm	mm	mm
1X577-8-8	1/2	1/2	2.44 62,1	1.02	1.22	31,1		
1X577-12-12	3/4	3/4	4.06 103,0	1.37	2.42	61,6		
1X577-16-12	1	3/4	4.06 103,0	1.54	2.42	61,6		
1X577-16-16	1	1	4.45 113,0	1.54	2.50	63,5		
1X577-16-20	1	1-1/4	4.73 120,2	1.54	2.46	62,5		
1X577-20-16	1-1/4	1	4.45 113,0	1.81	2.50	63,5		
1X577-20-20	1-1/4	1-1/4	4.73 120,2	1.81	2.46	62,5		
1X577-24-20	1-1/2	1-1/4	4.85 123,2	2.21	2.58	65,5		




See Accessories Section for O-Rings and Flange Kits.

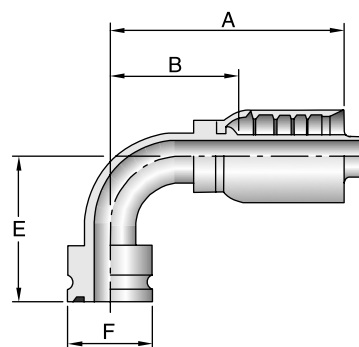
Use with 787TC, 797TC hoses.

1X777**Full Flange - 45° Elbow - Code 61/62**

#			A		E			B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
1X777-12-12	3/4	3/4	4.67	118,5	1.12	28,5	1.37	3.03	77,0
1X777-16-12	1	3/4	4.66	118,3	1.12	28,5	1.54	3.02	76,8
1X777-16-16	1	1	5.11	129,8	1.26	32,0	1.54	3.16	80,3
1X777-16-20	1	1-1/4	5.74	145,8	1.50	38,0	1.54	3.47	88,1
1X777-20-16	1-1/4	1	5.35	135,9	1.50	38,0	1.81	3.40	86,4
1X777-20-20	1-1/4	1-1/4	6.27	159,3	1.50	38,0	1.81	4.00	101,6
1X777-24-20	1-1/2	1-1/4	6.51	165,4	1.73	44,0	2.21	4.24	107,7

**1X977****Full Flange - 90° Elbow - Code 61/62**




#			A		E			B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
1X977-8-8	1/2	1/2	3.14	79,8	1.69	43,0	1.02	1.92	48,9
1X977-12-12	3/4	3/4	4.24	107,6	2.38	60,5	1.37	2.60	66,1
1X977-16-12	1	3/4	4.24	107,6	2.38	60,5	1.54	2.60	66,1
1X977-12-16	3/4	1	4.33	109,9	2.76	70,0	1.37	2.38	60,5
1X977-16-16	1	1	4.73	120,1	2.76	70,0	1.54	2.78	70,6
1X977-16-20	1	1-1/4	5.12	130,1	3.54	90,0	1.54	2.85	72,4
1X977-20-16	1-1/4	1	4.73	120,1	2.76	70,0	1.81	2.78	70,6
1X977-20-20	1-1/4	1-1/4	5.81	147,6	3.54	90,0	1.81	3.54	90,0
1X977-24-20	1-1/2	1-1/4	5.81	147,6	3.54	90,0	2.21	3.54	90,0

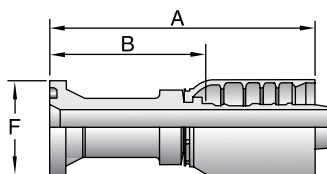


B

11577**SAE Code 61 Flange Head**

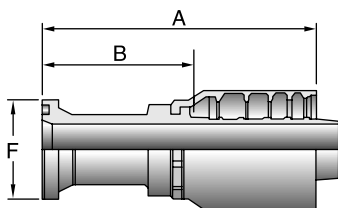
ISO 12151-3-S-L

#			A			B	
Part Number	inch	inch	inch	mm	inch	inch	mm
11577-8-8	1/2	1/2	3.52	89,6	1-3/16	2.30	58,6
11577-10-10	5/8	5/8	3.90	99,0	1-11/32	2.55	64,8
11577-12-12	3/4	3/4	4.23	107,4	1-1/2	2.59	65,9
11577-16-12	1	3/4	3.46	88	1-3/4	1.65	42,0
11577-16-16	1	1	4.70	119,4	1-3/4	2.75	69,9






See Accessories Section for O-Rings and Flange Kits.

Use with 787TC, 797TC hoses.

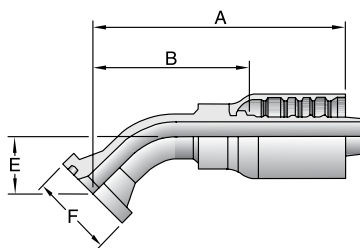
**14A77****SAE Code 61 Flange Head - Straight**




ISO 12151-3-S-L

#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
14A77-20-16	1-1/4	1	3.43	87	2	2.01	51,0
14A77-20-20	1-1/4	1-1/4	5.42	137,7	2	3.15	80,0
14A77-24-20	1-1/2	1-1/4	3.94	100,1	2-3/8	1.67	42,4

11777**SAE Code 61 Flange Head - 45° Elbow**

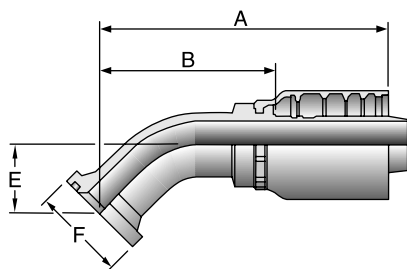
ISO 12151-3-E45S-L (1 Piece: ISO 12151-3-E45M-L)






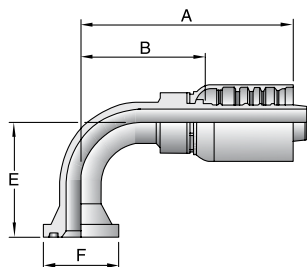
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11777-8-8	1/2	1/2	3.11	79,0	0.79	20,0	1-3/16	1.89	48,0
11777-12-12	3/4	3/4	4.57	116,0	1.02	26,0	1-1/2	2.93	74,5
11777-16-12	1	3/4	4.91	116,0	1.02	26,0	1-3/4	2.76	70,0
11777-16-16	1	1	5.11	129,8	1.26	32,0	1-3/4	3.16	80,3

14F77**SAE Code 61 5000 psi Flange Head - 45°**




ISO 12151-3 E45S-L (1 PIECE: ISO 12151-3-E45M-L)



#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
14F77-20-20	1-1/4	1-1/4	6.27	159,3	1.50	38	2	4.00	101,6

**11977****SAE Code 61 Flange Head - 90° Elbow**

ISO 12151-3-E90S-L (1 Piece: ISO 12151-3-E90M-L)




#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11977-8-8	1/2	1/2	2.99	76,0	1.61	41,0	1-3/16	1.77	45,0
11977-12-12	3/4	3/4	4.24	107,6	2.28	58,0	1-1/2	2.60	66,1
11977-16-12	1	3/4	4.25	108,0	2.28	58,0	1-3/4	2.44	62,0
11977-16-16	1	1	4.72	119,9	2.76	70,0	1-3/4	2.77	70,4

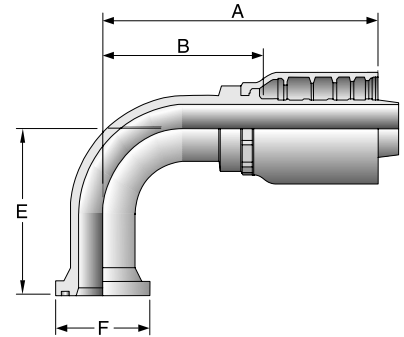
See Accessories Section for O-Rings and Flange Kits.

Use with 787TC, 797TC hoses.




14N77**SAE Code 61 Flange Head - 90°**

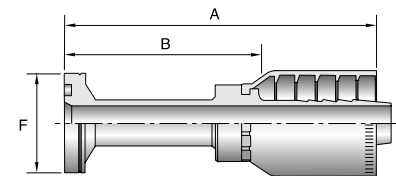
ISO 12151-3-E90S-L (1 PIECE: ISO 12151-3-E90M-L)

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
14N77-20-16	1-1/4	1	5.16	131,0	2.72	69	2	3.54	77,0
14N77-20-20	1-1/4	1-1/4	5.81	147,6	3.54	90	2	3.54	90,0




**16A77****SAE Code 62 Flange Head - Straight**

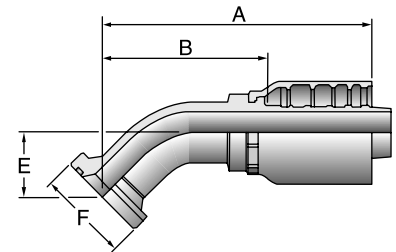
ISO 12151-3-S-S

#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
16A77-12-10	3/4	5/8	2.95	74,9	1-5/8	1.60	40,7
16A77-12-12	3/4	3/4	4.49	113,9	1-5/8	2.85	72,5
16A77-16-12	1	3/4	3.47	88,1	1-7/8	1.83	46,6
16A77-16-16	1	1	5.26	133,6	1-7/8	3.31	84,1
16A77-20-16	1-1/4	1	4.05	102,9	2-1/8	2.10	53,4
16A77-20-20	1-1/4	1-1/4	5.73	145,6	2-1/8	3.46	87,8
16A77-24-20	1-1/2	1-1/4	4.65	118,1	2-1/2	2.38	60,4

**B****16F77****SAE Code 62 Flange Head - 45° Elbow**

ISO 12151-3-E45S-S (1 PIECE: ISO 12151-3-E45M-S)

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16F77-12-12	3/4	3/4	4.57	116,0	1.02	26	1-5/8	2.93	74,5
16F77-16-12	1	3/4	4.57	116,0	1.02	26	1-7/8	2.76	70,0
16F77-16-16	1	1	5.11	129,8	1.26	32	1-7/8	3.16	80,3
16F77-16-20	1	1-1/4	5.74	145,8	1.50	38	1-7/8	3.47	88,1
16F77-20-16	1-1/4	1	5.11	129,8	1.26	32	2-1/8	3.16	80,3
16F77-20-20	1-1/4	1-1/4	6.27	159,3	1.50	38	2-1/8	4.00	101,6
16F77-24-20	1-1/2	1-1/4	6.27	159,3	1.50	38	2-1/2	4.00	101,6

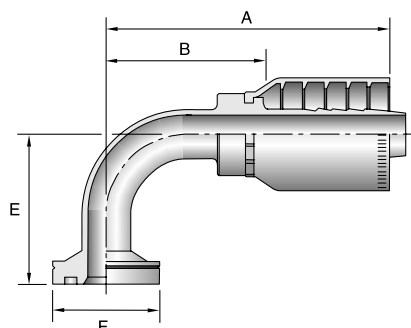





See Accessories Section for O-Rings and Flange Kits.

16N77

SAE Code 62 Flange Head - 90° Elbow

ISO 12151-3 - E90S - S (1 Piece: ISO 12151-3 - E90M - S)

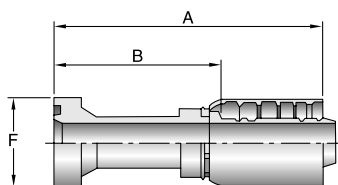





#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16N77-12-12	3/4	3/4	4.24	107,6	2.28	58	1-5/8	2.60	66,1
16N77-12-16	3/4	1	4.41	112,0	2.76	70	1-5/8	2.46	62,5
16N77-16-12	1	3/4	4.24	107,6	2.28	58	1-7/8	2.60	66,1
16N77-16-16	1	1	4.72	119,9	2.76	70	1-7/8	2.77	70,4
16N77-16-20	1	1-1/4	5.12	130,1	3.54	90	1-7/8	2.85	72,4
16N77-20-16	1-1/4	1	4.72	119,9	2.76	70	2-1/8	2.77	70,4
16N77-20-20	1-1/4	1-1/4	5.81	147,6	3.54	90	2-1/8	3.54	90,0
16N77-24-20	1-1/2	1-1/4	5.81	147,6	3.54	90	2-1/2	3.54	90,0

B

1XA77

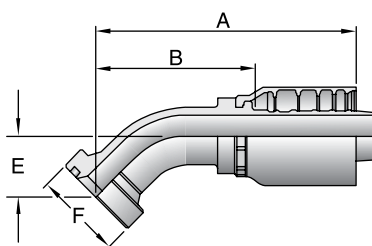
Caterpillar® Flange Head - Straight






#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
1XA77-12-12	3/4	3/4	4.48	113,7	1-5/8	2.84	72,2
1XA77-16-16	1	1	5.54	140,7	1-7/8	3.59	91,2
1XA77-20-16	1-1/4	1	4.10	104,1	2-1/8	2.15	54,6
1XA77-20-20	1-1/4	1-1/4	5.98	151,9	2-1/8	3.71	94,2

1XF77




Caterpillar® Flange Head - 45° Elbow

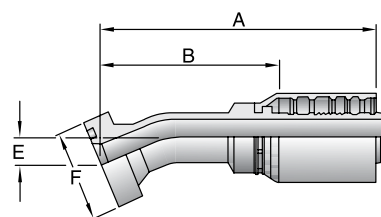





#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XF77-12-12	3/4	3/4	4.57	116,0	1.22	31,0	1-5/8	2.93	74,5
1XF77-16-16	1	1	5.26	133,6	1.42	36,0	1-7/8	3.31	84,1
1XF77-20-16	1-1/4	1	5.26	133,6	1.42	36,0	2-1/8	3.31	84,1
1XF77-20-20	1-1/4	1-1/4	6.23	158,2	1.46	37,0	2-1/8	3.96	100,6
1XF77-24-20	1-1/2	1-1/4	6.23	158,2	1.46	37,0	2-1/2	3.96	100,6

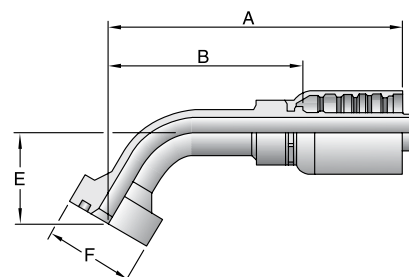
Use with 787TC, 797TC hoses.




1XB77**Caterpillar® Flange Head - 22-1/2° Elbow**

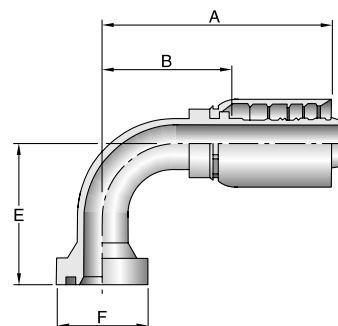
# Part Number	 Flange inch	 Hose I.D. inch	A		E		 F inch	B	
			inch	mm	inch	mm		inch	mm
1XB77-16-16	1	1	5.66	143,8	0.55	14,0	1-7/8	3.71	94,2
1XB77-20-20	1-1/4	1-1/4	6.60	167,7	0.58	14,7	2-1/8	4.33	109,9

**1XG77****Caterpillar® Flange Head - 60° Elbow**

# Part Number	 Flange inch	 Hose I.D. inch	A		E		 F inch	B	
			inch	mm	inch	mm		inch	mm
1XG77-12-12	3/4	3/4	5.35	135,8	1.65	42,0	1-5/8	3.71	94,3
1XG77-16-16	1	1	5.98	151,9	1.97	50,0	1-7/8	4.03	102,4
1XG77-20-20	1-1/4	1-1/4	7.74	196,6	2.01	51,0	2-1/8	5.47	138,9

**B****1XN77****Caterpillar® Flange Head - 90° Elbow**

# Part Number	 Flange inch	 Hose I.D. inch	A		E		 F inch	B	
			inch	mm	inch	mm		inch	mm
1XN77-12-12	3/4	3/4	4.23	107,4	2.48	63,0	1-5/8	2.59	65,9
1XN77-16-16	1	1	4.73	120,1	2.91	74,0	1-7/8	2.78	70,5
1XN77-20-16	1-1/4	1	4.73	120,1	2.91	74,0	2-1/8	2.78	70,5
1XN77-20-20	1-1/4	1-1/4	5.81	147,6	3.70	94,0	2-1/8	3.54	90,0
1XN77-24-20	1-1/2	1-1/4	5.81	147,6	3.03	77,0	2-1/2	3.54	90,0

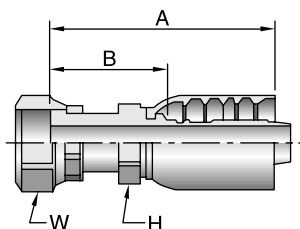


See Accessories Section for O-Rings and Flange Kits.

Use with 787TC, 797TC hoses.

1JS77**Female Seal-Lok® - Swivel - Straight - Long**




ISO 12151-1-SWSB

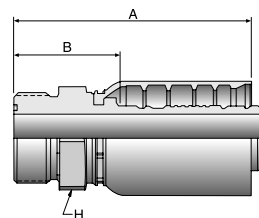


#									
Part Number	Thread		Hose I.D.	A		H	W	B	
	inch		inch	inch	mm	inch	inch	inch	mm
1JS77-8-8	1/2 13/16x16		1/2	2.80	71,2	22	24	1.58	40,2
1JS77-10-8	5/8 1x14		1/2	2.95	75,0	24	30	1.73	44,0
1JS77-10-10	5/8 1x14		5/8	3.21	81,5	24	30	1.86	47,3
1JS77-12-8	3/4 1-3/16x12		1/2	3.15	80,1	30	36	1.93	49,1
1JS77-12-10	3/4 1-3/16x12		5/8	3.35	85,1	30	36	2.00	50,8
1JS77-12-12	3/4 1-3/16x12		3/4	3.68	93,4	30	36	2.04	51,9
1JS77-12-16	3/4 1-3/16x12		1	4.18	106,2	36	36	2.23	56,7
1JS77-16-12	1 1-7/16x12		3/4	3.90	99,0	36	41	2.26	57,5
1JS77-16-16	1 1-7/16x12		1	4.19	106,4	36	41	2.24	56,9
1JS77-16-20	1 1-7/16x12		1-1/4	4.71	119,7	46	41	2.44	62,0
1JS77-20-16	1-1/4 1-11/16x12		1	4.29	108,9	41	50	2.34	59,5
1JS77-20-20	1-1/4 1-11/16x12		1-1/4	4.78	121,4	46	50	2.51	63,8




1J077**Male Seal-Lok® - Rigid - Straight - (with O-Ring)**

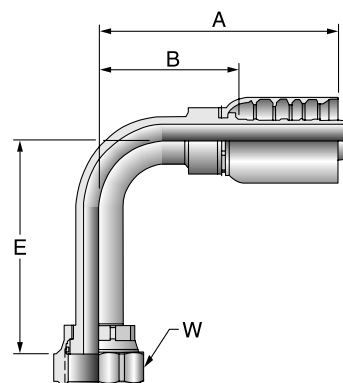
ISO 12151-1-S

# Part Number			A			B	
	Thread inch	Hose I.D. inch					
1J077-10-8	1x14	1/2	2.67	67,9	27	1.45	36,9
1J077-12-10	1-3/16x12	5/8	2.97	75,4	30	1.62	41,2
1J077-12-12	1-3/16x12	3/4	3.27	82,9	32	1.63	41,5
1J077-16-12	1-7/16x12	3/4	3.32	84,3	41	1.68	42,8
1J077-16-16	1-7/16x12	1	3.74	95,0	41	1.79	45,5
1J077-20-16	1-11/16x12	1	3.68	93,4	46	1.73	43,9




**1J177****Female Seal-Lok® - Swivel - 90° Elbow - Long Drop**

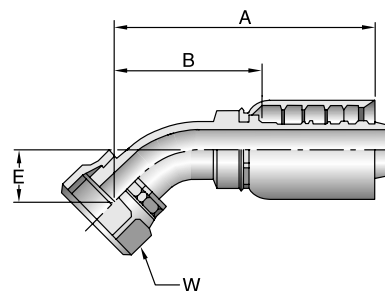
ISO 12151-1-SWEL90

# Part Number			A		E			B	
	Thread inch	Hose I.D. inch							
1J177-8-8	13/16x16	1/2	2.77	70,5	2.52	64	24	1.55	39,5
1J177-10-10	1x14	5/8	3.21	81,5	2.76	70	30	1.86	47,3
1J177-12-12	1-13/16x12	3/4	4.23	107,4	3.78	96	36	2.59	65,9
1J177-16-16	1-7/16x12	1	4.73	120,1	4.49	114	41	2.78	70,6

**1J777****Female Seal-Lok® - Swivel - 45° Elbow**

ISO 12151-1-SWE45

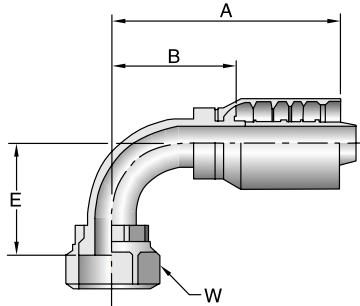
# Part Number			A		E			B	
	Thread inch	Hose I.D. inch							
1J777-8-8	1/2 13/16x16	1/2	2.86	72,7	0.59	15	24	1.64	41,8
1J777-10-10	5/8 1x14	5/8	3.28	83,3	0.63	16	30	1.93	49,0
1J777-12-12	3/4 1-3/16x12	3/4	4.39	111,4	0.83	21	36	2.75	69,9
1J777-16-16	1 1-7/16x12	1	4.79	121,7	0.94	24	41	2.84	72,2
1J777-20-20	1-1/4 1-11/16x12	1-1/4	5.69	144,6	0.98	25	50	3.42	86,8



Use with 787TC, 797TC hoses.

1J977**Female Seal-Lok® - Swivel - 90° Elbow - Short Drop**

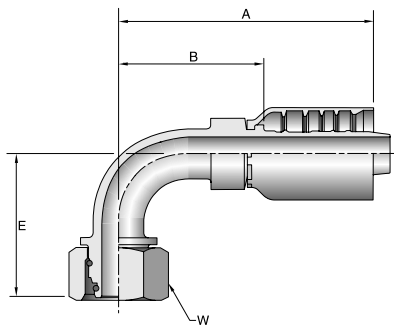
ISO 12151-1-SWES90



#				A		E		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	mm	inch	mm
1J977-8-8	1/2 13/16x16	1/2		2.78	70,7	1.14	29	24	1.56	39,7
1J977-10-10	5/8 1x14	5/8		3.21	81,5	1.26	32	30	1.86	47,3
1J977-12-12	3/4 1-3/16x12	3/4		4.23	107,5	1.89	48	36	2.60	66,0
1J977-16-16	1 1-7/16x12	1		4.73	120,1	2.20	56	41	2.78	70,6
1J977-16-20	1 1-7/16x12	1-1/4		5.12	130,1	2.20	56	41	2.85	72,4
1J977-20-20	1-1/4 1-11/16x12	1-1/4		5.73	145,5	2.52	64	50	3.46	87,9

11C77**Female Metric S - Swivel - 90° Elbow - (24° Cone with O-Ring)**

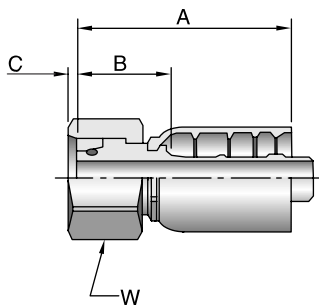
ISO 12151-2-SWE



#				A		E		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	mm	inch	mm
11C77-16-8	M24x1,5	1/2		3.03	77	1.77	45	30	1.65	45
11C77-20-12	M30x2	3/4		4.25	108	2.36	60	36	2.44	62
11C77-25-12	M36x2	3/4		4.25	108	2.32	59	46	2.44	62
11C77-30-16	M42x2	1		5.16	131	2.72	69	50	3.03	77
11C77-38-20	M52x2	1-1/4		5.94	151	3.07	78	60	3.42	87

1C977**Female Metric S - Swivel - Straight (24° Cone with O-Ring)**

ISO 12151-2-SWS



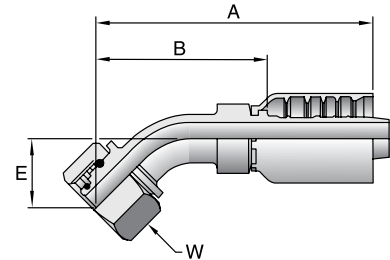
#				A		C		W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	mm	inch	mm
1C977-16-8	16 M24x1,5	1/2		2.34	59,5	0.09	2,0	30	1.12	28,5
1C977-20-10	20 M30x2	5/8		2.64	67,0	0.05	1,0	36	1.29	32,8
1C977-20-12	20 M30x2	3/4		2.99	76,0	0.07	1,9	36	1.18	30,0
1C977-25-12	25 M36x2	3/4		3.00	76,5	0.10	3,0	46	1.37	35,0
1C977-30-16	30 M42x2	1		3.50	89,0	0.19	5,0	50	1.55	39,5
1C977-38-20	38 M52x2	1-1/4		3.86	98,0	0.27	6,9	60	1.38	35,0

When measuring overall length to end of nut, B + C dimensions must be used to calculate cut-off allowance.

10C77**Female Metric S - Swivel - 45° Elbow - (24° Cone with O-Ring)**

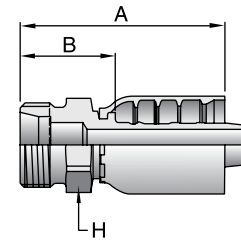
ISO 12151-2-SWE-45

# Part Number	Thread mm	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm	inch	inch	mm
10C77-16-8	16 M24x1,5	1/2	3.26	82,9	0.93	23,5	30	2.04	51,9
10C77-20-10	20 M30x2	5/8	4.21	106,9	1.10	28,0	36	2.86	72,7
10C77-25-12	25 M36x2	3/4	4.69	119,0	1.14	29,0	46	3.05	77,6
10C77-30-16	30 M42x2	1	5.59	142,0	1.30	33,0	50	3.64	92,5
10C77-38-20	38 M52x2	1-1/4	6.33	160,8	1.44	36,5	60	4.06	103,1

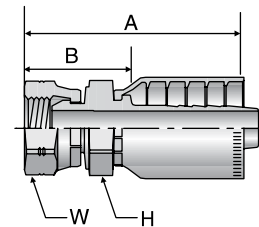
**1D277****Male Metric S - Rigid - (24° Cone)**

End Connection per ISO 8434-1-BHS

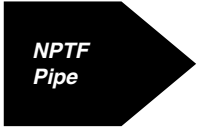
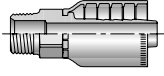

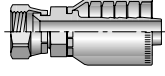
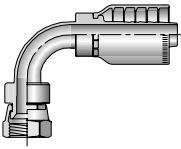

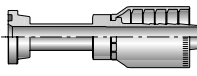
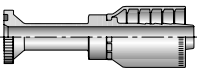
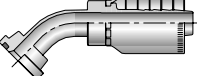
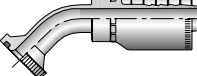
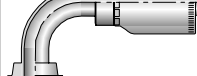
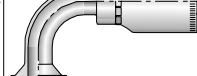

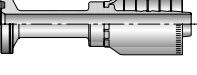
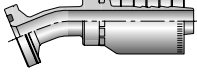
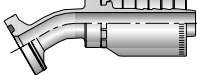

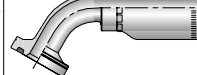
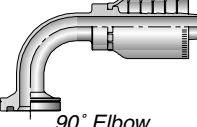

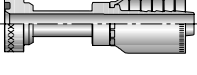

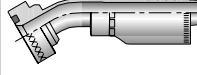
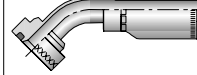



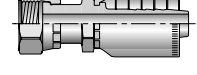
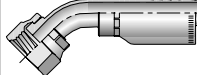
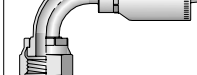

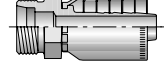

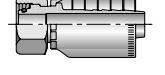
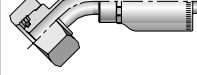
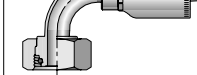

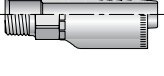
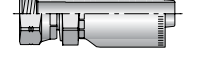
# Part Number	Thread mm	Hose I.D. inch	A		H	B	
			inch	mm	mm	inch	mm
1D277-16-8	M24x1,5	1/2	2.53	64,4	24	1.31	33,4
1D277-20-10	M30x2	5/8	2.85	72,4	30	1.50	38,1
1D277-25-12	M36x2	3/4	3.39	86,3	36	1.76	44,8
1D277-30-16	M42x3	1	3.91	99,3	46	1.96	49,8
1D277-38-20	M52x2	1-1/4	4.50	114,3	55	2.23	56,6

**B****19277****Female BSP Parallel Pipe - Swivel - Straight (60° Cone)**

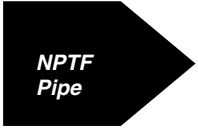
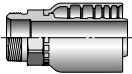

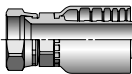

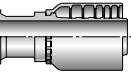
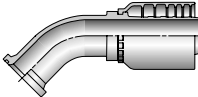
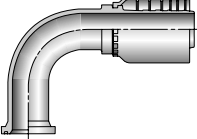

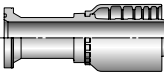
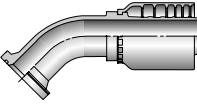
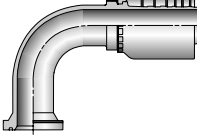

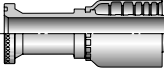

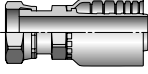
# Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
19277-8-8-AU	1/2 x 14	1/2	2.72	69	22	1.42	36
19277-12-12-AU	3/4 x 14	3/4	3.31	84	27	1.65	42
19277-16-16-AU	1 x 11	1	4.06	103	36	1.97	50
19277-20-20-AU	1-1/4 x 11	1-1/4	4.57	116	46	2.32	59



Use with 782ST hoses.

 NPTF Pipe	10178 B-110  <i>Male - Rigid</i>	 JIC 37°	10678 B-110  <i>Female - Swivel</i>	13978 B-110  <i>Female - Swivel</i>	 Code 61 Flange
11578 B-110  <i>Flange</i>	14A78 B-111  <i>Flange (5000 psi)</i>	11778 B-111  <i>45° Elbow</i>	14F78 B-111  <i>45° Elbow (5000 psi)</i>	11978 B-111  <i>90° Elbow</i>	14N78 B-112  <i>90° Elbow (5000 psi)</i>
 Code 62 Flange	16A78 B-112  <i>Flange</i>	16B78 B-112  <i>22-1/2° Elbow</i>	16E78 B-112  <i>30° Elbow</i>	16F78 B-113  <i>45° Elbow</i>	16G78 B-113  <i>60° Elbow</i>
16N78 B-113  <i>90° Elbow</i>	 Caterpillar® Flange	1XA78 B-114  <i>Flange</i>	1XB78 B-114  <i>22-1/2° Elbow</i>	1XE78 B-114  <i>30° Elbow</i>	1XF78 B-115  <i>45° Elbow</i>
1XG78 B-115  <i>60° Elbow</i>	1XN78 B-115  <i>90° Elbow</i>	 Seal-Lok® (O-Ring Face Seal)	1JS78 B-116  <i>Female - Swivel Long</i>	1J778 B-116  <i>Female - Swivel 45° Elbow</i>	1J978 B-116  <i>Female - Swivel 90° Elbow - Short</i>
 DIN "S" Series	1D278 B-116  <i>Male - Rigid</i>	 DIN "S" Series w/O-Ring	1C978 B-117  <i>Female - Rigid</i>	10C78 B-117  <i>Female - Swivel 45° Elbow</i>	11C78 B-117  <i>Female - Swivel 90° Elbow</i>
 BSP 60° Cone	19178 B-117  <i>Male - Rigid</i>	19278 B-117  <i>Female - Swivel</i>			

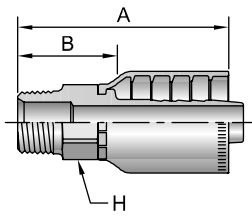
Use with P35 hose.

 NPTF Pipe	101S6 B-118  <i>Male - Rigid</i>	 JIC 37°	106S6 B-118  <i>Female - Swivel</i>	 Code 61 Flange	14AS6 B-118  <i>Flange (5000 psi)</i>
14FS6 B-118  <i>45° Elbow (5000 psi)</i>	14NS6 B-118  <i>90° Elbow (5000 psi)</i>	 Code 62 Flange	16AS6 B-119  <i>Flange Head - Straight</i>	16FS6 B-119  <i>45° Elbow</i>	16NS6 B-119  <i>90° Elbow</i>
 Caterpillar® Flange	1XAS6 B-119  <i>Flange</i>	 Seal-Lok® (O-Ring Face Seal)	1JSS6 B-119  <i>Female - Swivel</i>		

Use with 782ST hoses.

10178

Male NPTF Pipe - Rigid

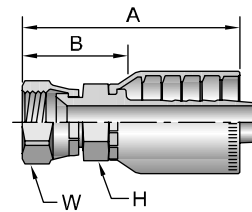


#							
Part Number	Thread	Hose I.D.	A		H	B	
	inch	inch	inch	mm	inch	inch	mm
10178-12-12	3/4x14	3/4	3.56	90	1-1/8	1.80	46
10178-16-16	1x11-1/2	1	3.94	100	1-3/8	2.09	53
10178-20-20	1-1/4x11-1/2	1-1/4	4.92	125	1-3/4	2.53	64
10178-24-24	1-1/2x11-1/2	1-1/2	4.88	124	2	2.67	68

All sizes of 10178 fittings are rated at 5,000 psi working pressure.

10678

Female JIC 37° - Swivel



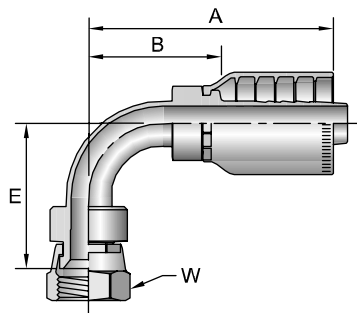
#									
Part Number	Thread	Hose I.D.	A		H	W	B		Additional Material Stainless Steel (C)
	inch	inch	inch	mm	inch	inch	inch	mm	
10678-12-12	3/4 1-1/16x12	3/4	3.66	93	1-1/8	1-1/4	1.90	48	•
10678-16-12	1 1-5/16x12	3/4	3.90	99	1-3/8	1-1/2	2.14	54	
10678-16-16	1 1-5/16x12	1	4.03	102	1-3/8	1-1/2	2.18	55	•
10678-20-20	1-1/4 1-5/8x12	1-1/4	4.93	125	1-3/4	2	2.54	65	•
10678-24-24	1-1/2 1-7/8x12	1-1/2	5.04	128	2	2-1/4	2.83	72	•

All sizes of 10678 fittings are rated at 5,000 psi working pressure.

⚠ Refer to Pressure Rating of Hose End Connections chart on page E-43.

13978

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



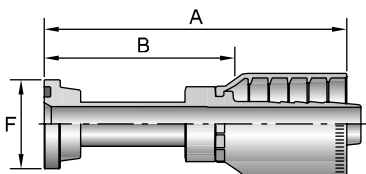
#									
Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
13978-12-12	3/4 1-1/16x12	3/4	4.12	105	2.44	62	1-1/2	2.36	60
13978-16-16	1 1-5/16x12	1	4.71	120	2.93	74	1-1/2	2.86	73
13978-20-20	1-1/4 1-5/8x12	1-1/4	5.67	144	3.35	85	2	3.28	83

All sizes of 13978 fittings are rated at 5,000 psi working pressure.

11578

SAE Code 61 Flange Head

ISO 12151-3 - S - L






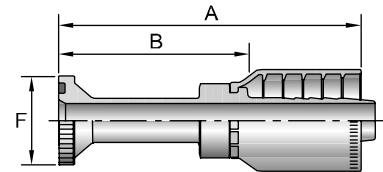
#							
Part Number	Flange	Hose I.D.	A		F	B	
	inch	inch	inch	mm	inch	inch	mm
11578-12-12	3/4	3/4	4.34	110	1-1/2	2.58	66
11578-16-16	1	1	4.59	117	1-3/4	2.74	70

See Accessories Section for O-Rings and Flange Kits.




14A78**SAE Code 61 Flange Head - 5,000 psi**

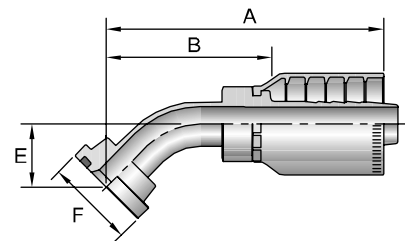
ISO 12151-3 - S - L (5000 psi)

#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
14A78-20-20	1-1/4	1-1/4	5.54	141	2	3.15	80
14A78-24-24	1-1/2	1-1/2	6.53	166	2-3/8	4.32	110
14A78-32-24	2	1-1/2	4.68	119	2-13/16	2.47	63

**11778****SAE Code 61 Flange Head - 45° Elbow**

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)




#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11778-12-12	3/4	3/4	4.67	119	1.06	27	1-1/2	2.91	74
11778-16-16	1	1	5.01	127	1.26	32	1-3/4	3.16	80

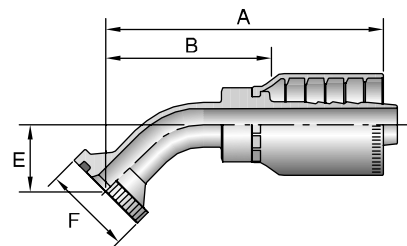


B




14F78**SAE Code 61 Flange Head - 45° Elbow - 5,000 psi**

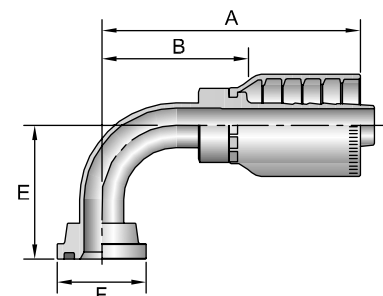
ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L) (5000 psi)

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
14F78-20-20	1-1/4	1-1/4	6.39	162	1.50	38	2	4.00	102
14F78-24-24	1-1/2	1-1/2	6.99	178	1.73	44	2-3/8	4.78	121

**11978****SAE Code 61 Flange Head - 90° Elbow**

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

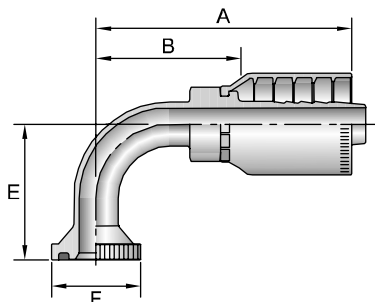
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11978-12-12	3/4	3/4	4.35	110	2.25	57	1-1/2	2.59	66
11978-16-16	1	1	4.67	119	2.76	70	1-3/4	2.82	72






See Accessories Section for O-Rings and Flange Kits.

14N78**SAE Code 61 Flange Head - 90° Elbow - 5,000 psi**

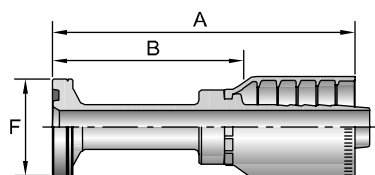
ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L) (5000 psi)






#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
14N78-20-16	1-1/4	1	4.63	118	2.76	70	2	2.78	71
14N78-20-20	1-1/4	1-1/4	6.09	155	3.54	90	2	3.70	94
14N78-24-24	1-1/2	1-1/2	6.52	166	4.09	104	2-3/8	4.31	109

16A78**SAE Code 62 Flange Head**

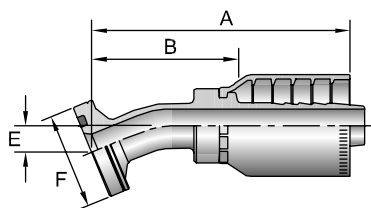
ISO 12151-3 - S - S






#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
16A78-12-12	3/4	3/4	4.60	117	1-5/8	2.84	72
16A78-16-12	1	3/4	3.57	91	1-7/8	1.81	46
16A78-16-16	1	1	5.16	131	1-7/8	3.31	84
16A78-20-16	1-1/4	1	3.95	100	2-1/8	2.10	53
16A78-20-20	1-1/4	1-1/4	5.85	149	2-1/8	3.46	88
16A78-24-20	1-1/2	1-1/4	4.77	121	2-1/2	2.38	60
16A78-24-24	1-1/2	1-1/2	6.54	166	2-1/2	4.33	110
16A78-32-24	2	1-1/2	5.07	129	3-1/8	2.86	73

16B78**SAE Code 62 Flange Head - 22-1/2° Elbow**

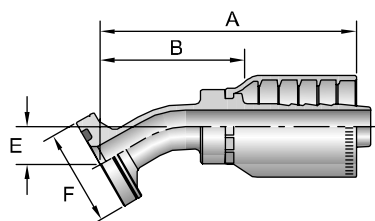
ISO 12151-3 - E22M - S






#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16B78-16-16	1	1	4.57	116	0.46	12	1-7/8	2.72	60

16E78**SAE Code 62 Flange Head - 30° Elbow**

ISO 12151-3 - E30S - S (1 Piece: ISO 12151-3 - E30M - S)






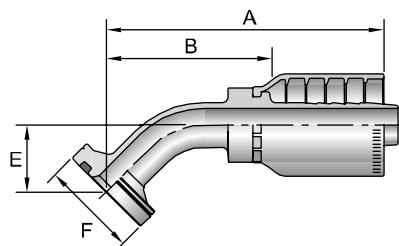
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16E78-20-20	1-1/4	1-1/4	6.71	170	0.87	22	2-1/8	4.32	110
16E78-24-24	1-1/2	1-1/2	7.10	180	1.12	28	2-1/2	4.89	124

See Accessories Section for O-Rings and Flange Kits.




16F78**SAE Code 62 Flange Head - 45° Elbow**

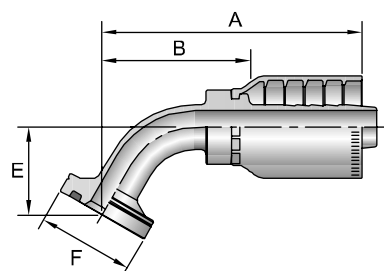
ISO 12151-3 - E45S - S (1 Piece: ISO 12151-3 - E45M - S)

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16F78-12-12	3/4	3/4	4.31	109	1.02	26	1-5/8	2.55	65
16F78-16-12	1	3/4	4.83	123	1.22	31	1-7/8	3.07	78
16F78-16-16	1	1	5.04	128	1.26	32	1-7/8	3.19	81
16F78-20-16	1-1/4	1	5.01	127	1.26	32	2-1/8	3.16	80
16F78-20-20	1-1/4	1-1/4	6.39	162	1.50	38	2-1/8	4.00	102
16F78-24-20	1-1/2	1-1/4	6.39	162	1.50	38	2-1/2	4.00	102
16F78-24-24	1-1/2	1-1/2	6.99	178	1.73	44	2-1/2	4.78	121




**16G78****SAE Code 62 Flange Head - 60° Elbow**

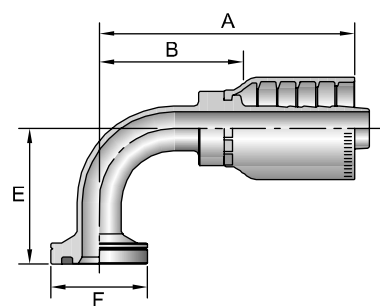
ISO 12151-3 - E60S - S (1 Piece: ISO 12151-3 - E60M - S)

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16G78-16-16	1	1	5.85	149	1.73	44	1-7/8	4.00	102
16G78-20-20	1-1/4	1-1/4	7.72	196	2.17	55	2-1/8	5.33	135
16G78-24-24	1-1/2	1-1/2	8.41	214	2.52	64	2-1/2	6.20	157

**16N78****SAE Code 62 Flange Head - 90° Elbow**

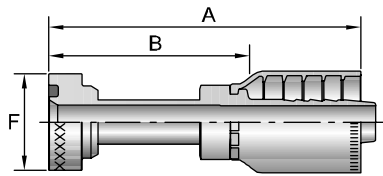
ISO 12151-3 - E90S - S (1 Piece: ISO 12151-3 - E90M - S)




#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16N78-12-12	3/4	3/4	4.00	102	2.28	58	1-5/8	2.24	57
16N78-16-12	1	3/4	3.97	101	2.28	58	1-7/8	2.21	56
16N78-16-16	1	1	4.63	118	2.76	70	1-7/8	2.78	71
16N78-20-16	1-1/4	1	4.63	118	2.76	70	2-1/8	2.78	71
16N78-20-20	1-1/4	1-1/4	6.09	155	3.54	90	2-1/8	3.70	94
16N78-24-16	1-1/2	1	5.04	126	2.70	69	2-1/2	3.19	81
16N78-24-20	1-1/2	1-1/4	6.09	155	3.54	90	2-1/2	3.70	94
16N78-24-24	1-1/2	1-1/2	6.52	166	4.09	104	2-1/2	4.31	109
16N78-32-24	2	1-1/2	6.52	166	4.09	104	3-1/8	4.31	109



1XA78

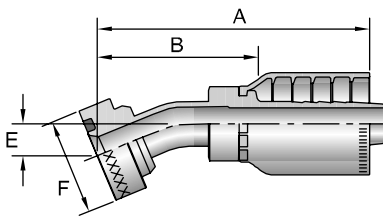
Caterpillar® Flange Head






#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
1XA78-12-12	3/4	3/4	4.85	123,2	1-5/8	3.09	78,5
1XA78-16-12	1	3/4	5.29	134,4	1-7/8	3.53	89,7
1XA78-16-16	1	1	5.44	138,2	1-7/8	3.59	91,2
1XA78-20-16	1-1/4	1	5.65	143,5	2-1/8	3.80	96,5
1XA78-20-20	1-1/4	1-1/4	6.10	154,9	2-1/8	3.71	94,2
1XA78-24-20	1-1/2	1-1/4	6.35	161,3	2-1/2	3.96	100,6
1XA78-24-24	1-1/2	1-1/2	6.78	172,2	2-1/2	4.57	116,1

1XB78

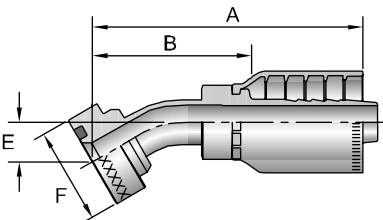
Caterpillar® Flange Head - 22-1/2° Elbow






#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XB78-12-12	3/4	3/4	4.59	117	0.54	14	1-5/8	2.83	72
1XB78-16-16	1	1	4.66	118	0.50	13	1-7/8	2.81	71
1XB78-20-16	1-1/4	1	4.66	118	0.50	13	2-1/8	2.81	71
1XB78-20-20	1-1/4	1-1/4	7.21	183	0.80	20	2-1/8	4.82	122
1XB78-24-20	1-1/2	1-1/4	7.21	183	0.80	20	2-1/2	4.82	122
1XB78-24-24	1-1/2	1-1/2	7.08	180	0.73	19	2-1/2	4.87	124

1XE78

Caterpillar® Flange Head - 30° Elbow






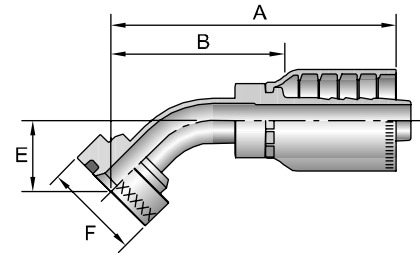
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XE78-16-16	1	1	5.08	129	0.79	20	1-7/8	3.23	82
1XE78-20-16	1-1/4	1	5.10	128	0.80	20	2-1/8	3.25	83
1XE78-20-20	1-1/4	1-1/4	6.38	162	0.93	24	2-1/8	3.99	101
1XE78-24-20	1-1/2	1-1/4	6.38	162	0.93	24	2-1/2	3.99	101
1XE78-24-24	1-1/2	1-1/2	7.10	180	1.14	29	2-1/2	4.89	124




Caterpillar® style fittings conform to the bolt hole patterns of SAE Code 62 and require special flange halves and seals. The Caterpillar® style flange heads are thicker than SAE Code 62 and measure to a .560" thickness in all sizes.

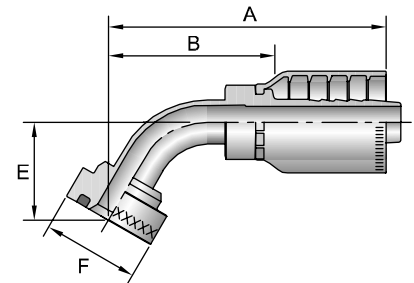
See Accessories Section for O-Rings and Flange Kits.




1XF78**Caterpillar® Flange Head - 45° Elbow**

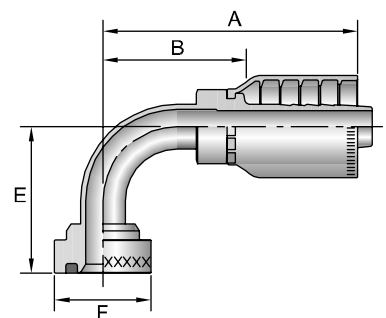
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XF78-12-12	3/4	3/4	4.82	122	1.21	31	1-5/8	3.06	78
1XF78-16-12	1	3/4	4.81	120	1.20	30	1-7/8	3.05	77
1XF78-16-16	1	1	5.46	139	1.43	36	1-7/8	3.61	92
1XF78-20-16	1-1/4	1	5.46	139	1.43	36	2-1/8	3.61	92
1XF78-20-20	1-1/4	1-1/4	6.38	162	1.44	37	2-1/8	3.99	101
1XF78-24-20	1-1/2	1-1/4	6.38	162	1.44	37	2-1/2	3.99	101
1XF78-24-24	1-1/2	1-1/2	6.89	175	1.54	39	2-1/2	4.68	119

**1XG78****Caterpillar® Flange Head - 60° Elbow**

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XG78-16-16	1	1	5.13	130	1.96	50	1-7/8	3.28	83
1XG78-20-20	1-1/4	1-1/4	6.72	171	2.02	51	2-1/8	4.33	110
1XG78-24-24	1-1/2	1-1/2	6.87	174	2.04	52	2-1/2	4.67	119

**1XN78****Caterpillar® Flange Head - 90° Elbow**

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XN78-12-12	3/4	3/4	4.35	110	2.46	62	1-5/8	2.59	66
1XN78-12-16	3/4	1	4.58	116	2.46	62	1-5/8	2.73	69
1XN78-16-12	1	3/4	4.35	110	2.44	62	1-7/8	2.59	66
1XN78-16-16	1	1	5.04	128	2.90	74	1-7/8	3.19	81
1XN78-20-16	1-1/4	1	5.04	128	2.90	74	2-1/8	3.19	81
1XN78-20-20	1-1/4	1-1/4	6.75	171	3.02	77	2-1/8	4.36	111
1XN78-24-20	1-1/2	1-1/4	6.75	171	3.02	77	2-1/2	4.36	111
1XN78-24-24	1-1/2	1-1/2	5.85	149	3.41	87	2-1/2	3.64	92



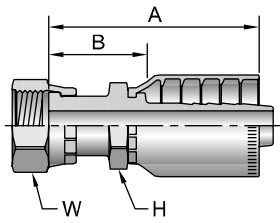
Caterpillar® style fittings conform to the bolt hole patterns of SAE Code 62 and require special flange halves and seals. The Caterpillar® style flange heads are thicker than SAE Code 62 and measure to a .560" thickness in all sizes.

See Accessories Section for O-Rings and Flange Kits.

Use with 782ST hoses.

1JS78**Female Seal-Lok® - Swivel - Long**

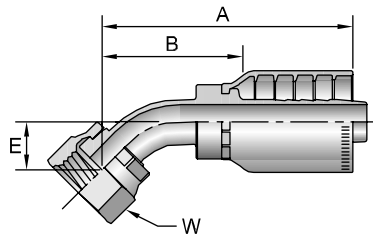
ISO 12151-1 - SWSB



#									
Part Number	Thread	Hose I.D.	A		H	W	B		
	inch	inch	inch	mm	inch	inch	inch	mm	
1JS78-12-12	3/4	1-3/16x12	3/4	3.70	94	1-1/8	1-3/8	1.94	49
1JS78-16-16	1	1-7/16x12	1	4.03	102	1-3/8	1-5/8	2.18	55
1JS78-20-16	1-1/4	1-11/16x12	1	3.99	101	1-3/4	1-7/8	2.14	54
1JS78-20-20	1-1/4	1-11/16x12	1-1/4	4.62	117	1-3/4	1-7/8	2.23	57
1JS78-24-24	1-1/2	2-12	1-1/2	4.70	119.4	2	2-1/4	2.49	63.2

1J778**Female Seal-Lok® - Swivel - 45° Elbow**

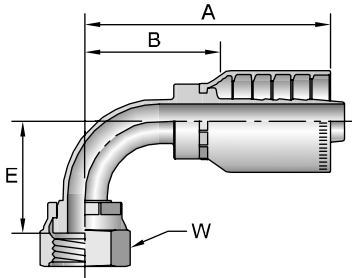
ISO 12151-1 - SWE45



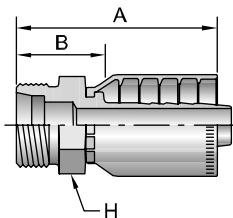
#									
Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
1J778-12-12	3/4	1-3/16x12	3/4	4.11	104	0.81	21	1-3/8	2.35
1J778-16-16	1	1-7/16x12	1	4.69	119	0.94	24	1-5/8	2.84
1J778-20-20	1-1/4	1-11/16x12	1-1/4	5.78	147	0.98	25	1-7/8	3.29
1J778-24-24	1-1/2	2x12	1-1/2	6.91	176	1.56	40	2-1/4	4.70

1J978**Female Seal-Lok® - Swivel - 90° Elbow - Short Drop**

ISO 12151-1 - SWES90






#									
Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
1J978-12-12	3/4	1-3/16x12	3/4	3.97	100	1.89	48	1-3/8	2.21
1J978-16-16	1	1-7/16x12	1	4.62	117	2.21	56	1-5/8	2.77
1J978-20-16	1-1/4	1-11/16x12	1	5.04	128	2.54	65	1-7/8	3.10
1J978-20-20	1-1/4	1-11/16x12	1-1/4	5.82	148	2.52	64	1-7/8	3.43
1J978-24-24	1-1/2	2x12	1-1/2	6.58	167	2.70	69	2-1/4	4.37

1D278**Male Metric S - Rigid - (24° Cone)**

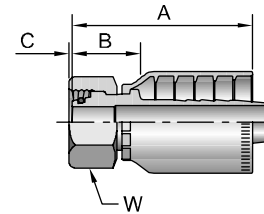
#									
Part Number	Thread	Hose I.D.	A		H	B			
	mm	inch	inch	mm	mm	inch	mm		
1D278-25-12	25	M36x2	3/4	3.38	86	1.62	41		
1D278-30-16	30	M42x2	1	3.72	94	1.87	47		
1D278-38-20	38	M52x2	1-1/4	4.42	112	2.03	52		

See Accessories for O-Rings and Flange Kits.




1C978**Female Metric S - Swivel - (24° Cone with O-Ring)**

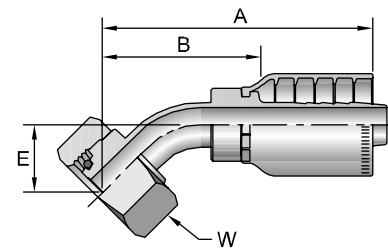
# Part Number					A		C			B	
	Thread	mm	Hose I.D.	inch	mm	inch	mm	mm	inch	mm	
1C978-25-12	25	M36x2	3/4	3.12	79	0.10	3	46	1.36	35	
1C978-30-16	30	M42x2	1	3.40	86	0.19	5	50	1.55	39	
1C978-38-20	38	M52x2	1-1/4	3.98	101	0.23	6	60	1.59	40	

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




**10C78****Female Metric S - Swivel - 45° Elbow - (24° Cone with O-Ring)**

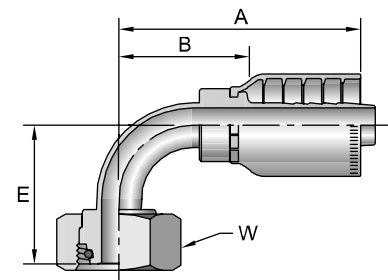
ISO 12151-2 - SWE45 - S






#			A		E			B	
Part Number	Thread mm	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
10C78-25-12	25 M36x2	3/4	4.45	113	1.14	29	46	2.56	65
10C78-30-16	30 M42x2	1	5.16	131	1.34	34	50	3.19	81
10C78-38-20	38 M52x2	1-1/4	6.44	164	1.50	38	60	4.05	103

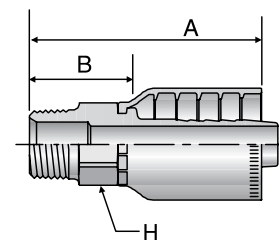
**11C78****Female Metric S - Swivel - 90° Elbow - (24° Cone with O-Ring)**

ISO 12151-2 - SWE - S

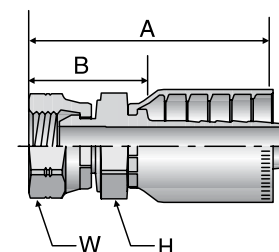
#									
Part Number	Thread mm	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm	mm	inch	mm
11C78-25-12	25 M36x2	3/4	4.12	105	2.32	59	46	2.36	60
11C78-30-16	30 M42x2	1	4.71	120	2.68	68	50	2.86	73
11C78-38-20	38 M52x2	1-1/4	5.67	144	2.86	73	60	3.28	83

**19178****Male BSP Taper - Rigid - (60° cone)**

#							
Part Number	Thread inch	Hose I.D. inch	inch	mm	H mm	inch	mm
19178-20-20-AU	1 1/4x11	1 1/4	5.43	138	45	2.49	63
19178-24-24-AU	1 1/2x11	1 1/2	5.36	136	57	2.48	63

**19278****Female BSP Parallel Pipe - Swivel - (60° cone)**

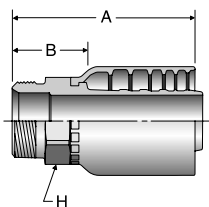
# Part Number	Thread		Hose I.D. inch	A		H	W	B	
	inch		inch	mm	mm	mm	mm	inch	mm
19278-12-12-AU	3/4x14		3/4	3.89	99	30	32	1.78	45
19278-16-16-AU	1x11		1	4.36	111	36	41	2.07	53
19278-20-20-AU	1 1/4x11		1 1/4	5.33	135	46	50	2.39	61
19278-24-24-AU	1 1/2x11		1 1/2	5.39	137	50	60	2.51	64





Metric S: Mates with EO "S" Series Fittings. See Accessories for O-Rings and Flange Kits.

101S6

Male NPTF Pipe - Rigid

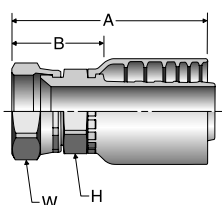




#			A		H	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	mm	inch	mm
101S6-32-32	2 x 11 1/2	2	5.88	149,5	2-1/2	2.44	61,9

101S6 is rated at 5,000 psi working pressure.

106S6

Female JIC 37° - Swivel



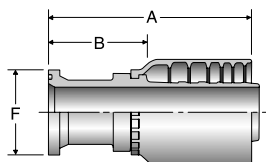
#			A		H	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm
106S6-32-32	2 1/2 x 12	2	6.52	165,7	2.5	3.08	78,2



106S6 is rated at 5,000 psi working pressure.

14AS6

SAE Code 61 Flange Head - 5,000 psi

ISO 12151-3-S-L (5,000 psi)

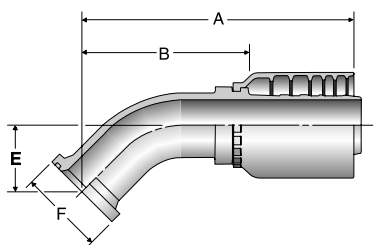




#			A		F	B		E	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm	inch	mm
14AS6-32-32	2	2	6.72	170,8	2-13/16	3.28	83,3	-	-

14FS6

SAE Code 61 Flange Head - 45° Elbow - 5,000 psi

ISO 12151-3-E-45S-L (1 Piece: ISO 12151-3-E45M-L) (5,000 psi)

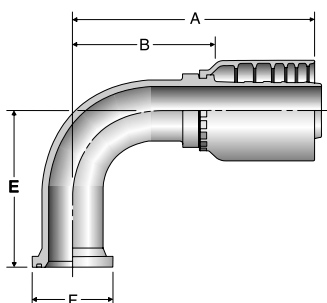




#			A		F	B		E	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm	inch	mm
14FS6-32-32	2	2	8.70	221,1	2-13/16	5.26	133,6	2.205	56,0

14NS6

SAE Code 61 Flange Head - 90° Elbow - 5,000 psi



ISO 12151-3-E-90S-L (1 Piece: ISO 12151-3-E90M-L) (5,000 psi)

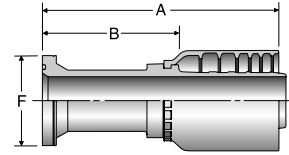


#			A		F	B		E	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm	inch	mm
14NS6-32-32	2	2	8.41	213,7	2-13/16	4.97	126,2	5.433	138,0



16AS6**SAE Code 62 Flange Head**

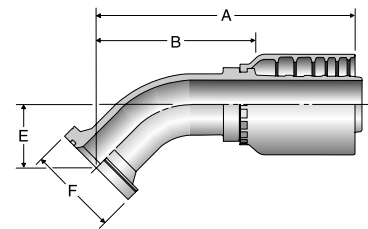
ISO 12151-3-S-S

#			A		F	B		E	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm	inch	mm
16AS6-32-32	2	2	8.21	208,6	3-1/8	4.77	121,1	-	-



**16FS6****SAE Code 62 Flange Head - 45° Elbow**

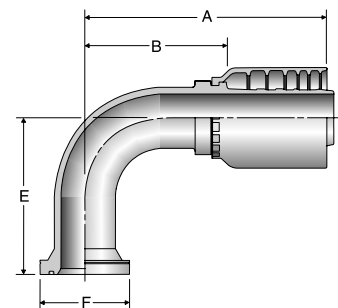
ISO 12151-3-E45S-S (1 Piece: ISO 1251-3-E45-M-S)



#			A		F	B		E	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm	inch	mm
16FS6-32-32	2	2	8.70	221,1	3-1/8	5.26	133,6	2.205	56,0

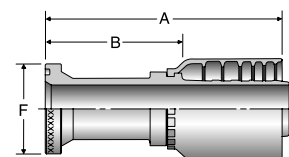
**16NS6****SAE Code 62 Flange Head - 90° Elbow**

ISO 12151-3-E90S-S (1 Piece: ISO 1251-3-E90M-S)





#			A		F	B		E	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm	inch	mm
16NS6-32-32	2	2	8.41	213,7	3-1/8	4.97	126,2	5.43	138,0

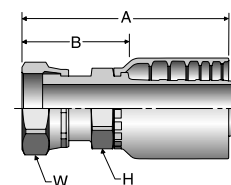
**1XAS6****Caterpillar® Flange Head**

#			A		F	B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
1XAS6-32-32	2	2	8.21	208,6	3-1/8	4.77	121

**1JSS6****Female Seal-Lok - Swivel - Long**

ISO 12151-1-SWSB


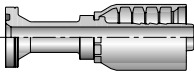
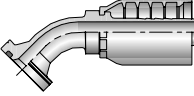
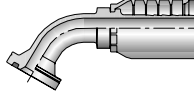
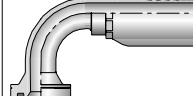

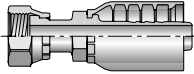
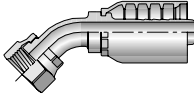
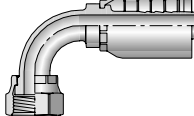

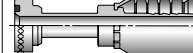
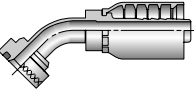
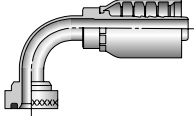
#			A				B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	inch	mm
1JSS6-32-32	2-1/2X12	2	6.46	164,2	2.5	2-7/8	3.02	76,7



NOTES

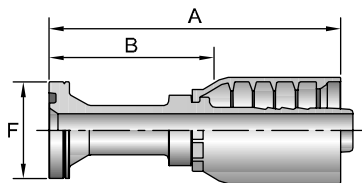
B

Use with 791TC hoses.

 <i>Code 62 Flange</i>	16A79 B-122  <i>Flange</i>	16F79 B-122  <i>45° Elbow</i>	16G79 B-122  <i>60° Elbow</i>	16N79 B-123  <i>90° Elbow</i>	 <i>Seal-Lok® (O-Ring Face Seal)</i>
1JS79 B-123  <i>Female - Swivel Long</i>	1J779 B-123  <i>Female - Swivel 45° Elbow</i>	1J979 B-124  <i>Female - Swivel 90° Elbow - Short</i>	 <i>Flange Head</i>	1XA79 B-124  <i>Flange Head</i>	1XF79 B-124  <i>45° Elbow</i>
1XN79 B-124  <i>90° Elbow</i>					

16A79**SAE Code 62 Flange Head**

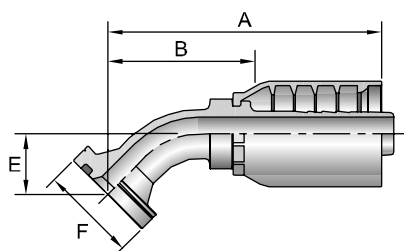
ISO 12151-3 - S - S



#			A		F		B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm
16A79-12-12	3/4	3/4	4.90	124	1-5/8	2.84	72	
16A79-16-12	1	3/4	3.88	99	1-7/8	1.82	46	
16A79-16-16	1	1	5.48	139	1-7/8	3.31	84	
16A79-20-16	1-1/4	1	4.28	109	2-1/8	2.11	54	
16A79-20-20	1-1/4	1-1/4	6.09	155	2-1/8	3.41	87	
16A79-24-24	1-1/2	1-1/2	7.11	181	1-1/2	4.07	103	

16F79**SAE Code 62 Flange Head - 45° Elbow**

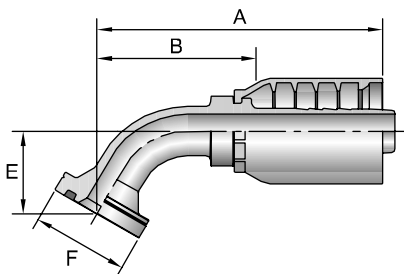
ISO 12151-3 - E45S - S (1 Piece: ISO 12151-3 - E45M - S)



#			A		E		F		B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm	inch	mm
16F79-12-12	3/4	3/4	4.61	117	1.02	26	1-5/8	2.55	65	
16F79-16-16	1	1	5.33	135	1.26	32	1-7/8	3.16	80	
16F79-16-20	1	1-1/4	6.25	159	1.50	38	1-7/8	3.57	91	
16F79-20-16	1-1/4	1	5.33	135	1.26	32	2-1/8	3.16	80	
16F79-20-20	1-1/4	1-1/4	6.77	172	1.50	38	2-1/8	4.09	104	
16F79-24-24	1-1/2	1-1/2	7.96	202	1.73	44	2-1/2	4.07	103	

16G79**SAE Code 62 Flange Head - 60° Elbow**



ISO 12151-3 - E60S - S (1 Piece: ISO 12151-3 - E60M - S)

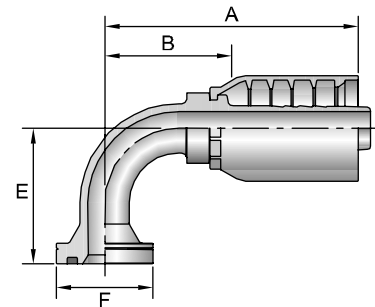


#			A		E		F		B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm	inch	mm
16G79-16-16	1	1	6.18	157	1.73	44	1-7/8	4.01	102	





16N79**SAE Code 62 Flange Head - 90° Elbow**

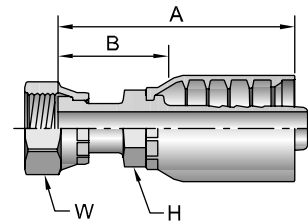
ISO 12151-3 - E90S - S (1 Piece: ISO 12151-3 - E90M - S)

#			A		E		F	B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16N79-12-12	3/4	3/4	4.27	108	2.28	58	1-5/8	2.21	56
16N79-16-12	1	3/4	4.27	108	2.28	58	1-7/8	2.21	56
16N79-16-16	1	1	4.95	126	2.76	70	1-7/8	2.78	71
16N79-20-16	1-1/4	1	4.95	126	2.76	70	2-1/8	2.78	71
16N79-20-20	1-1/4	1-1/4	6.31	160	3.54	90	2-1/8	3.63	92
16N79-24-24	1-1/2	1-1/2	7.50	190	4.09	104	2-1/2	4.46	113

**1JS79****Female Seal-Lok® - Swivel - Long**

ISO 12151-1 - SWSB




#			A				B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	inch	mm
1JS79-12-12	3/4 1-3/16x12	3/4	3.99	101	1-1/8	1-3/8	1.93	49
1JS79-16-12	1 1-7/16x12	3/4	4.26	108	1-3/8	1-5/8	2.20	56
1JS79-16-16	1 1-7/16x12	1	4.45	113	1-3/8	1-5/8	2.28	58
1JS79-20-16	1-1/4 1-11/16x12	1	4.32	110	1-3/4	1-7/8	2.15	55
1JS79-20-20	1-1/4 1-11/16x12	1-1/4	5.00	127	1-3/4	1-7/8	2.32	59
1JS79-24-24	1-1/2 2x12	1-1/2	5.28	134	2	2-1/4	2.24	57

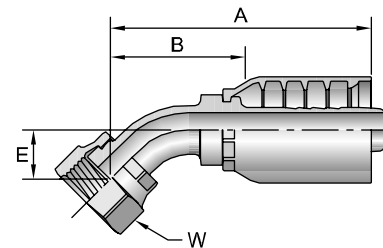


⚠ Refer to Pressure Rating of Hose End Connections chart on page E-43.

1J779**Female Seal-Lok® - Swivel - 45° Elbow**

ISO 12151-1 - SWE45

#			A		E			B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1J779-12-12	3/4 1-3/16x12	3/4	4.40	112	0.83	21	1-3/8	2.34	59
1J779-16-16	1 1-7/16x12	1	5.01	127	0.94	24	1-5/8	2.84	72
1J779-20-20	1-1/4 1-11/16x12	1-1/4	6.15	156	1.00	25	1-7/8	3.49	89

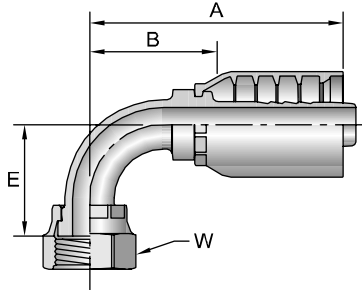





⚠ Refer to Pressure Rating of Hose End Connections chart on page E-43.

See Accessories Section for O-Rings and Flange Kits.

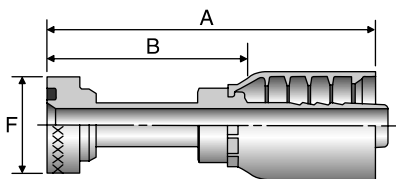
1J979**Female Seal-Lok® - Swivel - 90° Elbow - Short Drop**

ISO - 12151-1 - SWES90

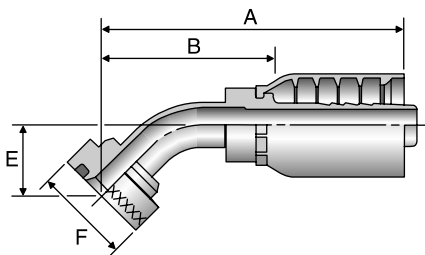


#			A		E			B		
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm	
1J979-12-12	3/4	1-3/16x12	3/4	4.27	108	1.88	48	1-3/8	2.21	56
1J979-16-16	1	1-7/16x12	1	4.95	126	2.21	56	1-5/8	2.78	71
1J979-20-20	1-1/4	1-11/16x12	1-1/4	6.20	157	2.52	64	1-7/8	3.52	89

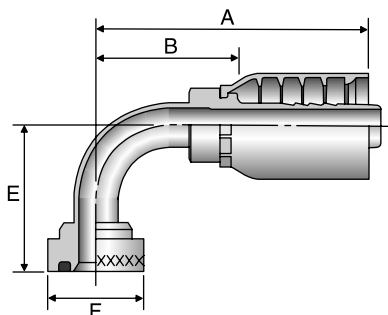
⚠ Refer to Pressure Rating of Hose End Connections chart on page E-43

1XA79**Caterpillar® Flange Head**

#			A		F		B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm
1XA79-12-12	3/4	3/4	4.89	124	1-5/8	2.83	72	
1XA79-16-16	1	1	5.75	146	1-7/8	3.59	91	
1XA79-20-16	1-1/4	1	4.32	110	2-1/8	2.15	55	
1XA79-20-20	1-1/4	1-1/4	6.25	159	2-1/8	3.57	91	
1XA79-24-24	1-1/2	1-1/2	7.17	182	2-1/2	4.13	105	

1XF79**Caterpillar® Flange Head - 45° Elbow**


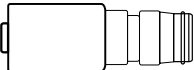
#			A		E		F	B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XF79-12-12	3/4	3/4	4.80	122	1.22	31	1-5/8	2.74	70
1XF79-16-16	1	1	5.49	139	1.42	36	1-7/8	3.32	84
1XF79-20-16	1-1/4	1	5.49	139	1.42	36	2-1/8	3.32	84
1XF79-20-20	1-1/4	1-1/4	6.72	171	1.44	37	2-1/8	4.04	103

1XN79**Caterpillar® Flange Head - 90° Elbow**

#			A		E		F	B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XN79-12-12	3/4	3/4	4.27	108	2.48	63	1-5/8	2.21	56
1XN79-16-16	1	1	4.94	125	2.91	74	1-7/8	2.78	71
1XN79-20-16	1-1/4	1	4.94	125	2.91	74	2-1/8	2.78	71
1XN79-20-20	1-1/4	1-1/4	6.31	160	3.70	94	2-1/8	3.63	92
1XN79-24-24	1-1/2	1-1/2	7.50	191	4.16	106	2-1/2	4.46	113


See Accessories Section for O-Rings and Flange Kits.

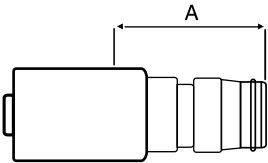
Use with CMR type hoses

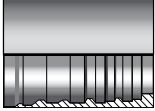


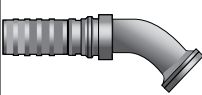
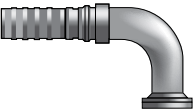
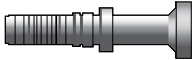

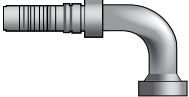




	SM-IE	B-126
		
	<i>Standard Staple Male</i>	

Use with CMR type hoses

SM-IE
Standard Staple Male
Two Piece Internal Expanded Coupling

# Part Number		 Hose I.D		Coupling Size		Cut-Off A	
		din	inch	inch	mm	inch	mm
40SM-40IE	Nipple	65	2-1/2	65	2-1/2	89	3.50
421-EZ-4000-318A	Shell						
48SM-48IE	Nipple	75	3	75	3	114	4.50
421-EZ-4800-410	Shell						





<div><div>Ranger 42 Ferrules</div></div>	<div>100V6B-128</div> <div></div> <div>Interlock Inside/Outside Skive</div>	<div>K06V6B-128</div> <div></div> <div>JIC Female Swivel</div>	<div>K6AV6B-128</div> <div></div> <div>Code 62 Flange</div>	<div>K6FV6B-128</div> <div></div> <div>Code 62 Flange 45°</div>	<div>K6NV6B-129</div> <div></div> <div>Code 62 Flange 90°</div>
<div>KXAV6B-129</div> <div></div> <div>Caterpillar Flange</div>	<div>KXFV6B-129</div> <div></div> <div>Caterpillar Flange 45°</div>	<div>KXNV6B-129</div> <div></div> <div>Caterpillar Flange 90°</div>	<div>KC9V6B-130</div> <div></div> <div>Metric S Female Swivel</div>	<div>K0CV6B-130</div> <div></div> <div>Metric S Female Swivel 45°</div>	<div>K1CV6B-130</div> <div></div> <div>Metric S Female Swivel 90°</div>
<div>KD2V6B-130</div> <div></div> <div>Metric S Male</div>					

100V6 - Ranger 42 Ferrules

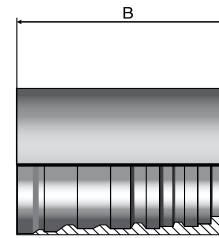
Interlock- Inside / Outside Skive

6 Wire Hoses

#		
Part Number	Hose I.D. inch	B inch mm
100V6-20	1-1/4	3.54 90
100V6-24	1-1/2	3.80 96
100V6-32	2	4.33 110

One for use with adjustable crimpers.





Minimum of 350 tons of crimping force required.



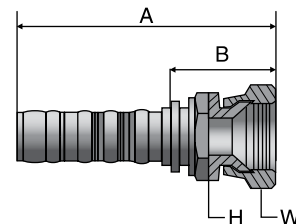
K06V6

Female JIC 37° Swivel - Straight

ISO12151-5-SWS - DKJ

#			A				B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	H inch	W inch	inch	mm
K06V6-20-20	1-5/8x12	1.25	6.06	154	46	55	2.48	63
K06V6-24-20	1-7/8x12	1.25	6.26	159	50	60	2.68	68
K06V6-24-24	1-7/8x12	1.5	6.42	163	50	60	2.64	67
K06V6-32-32	2-1/2x12	2	7.4	188	65	75	3.07	78


Note: All sizes of K06V6 fittings are rated to 5000psi.

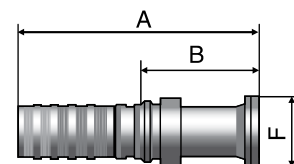


K6AV6

SAE Code 62 - Flange - Straight

ISO 12151-3-S-S / SFS / 6000psi



#		A		F	B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm
K6AV6-20-20	1-1/4	1-1/4	6.89	175	2-1/8	3.27 83
K6AV6-20-24	1-1/4	1-1/2	7.28	185	2-1/8	3.50 89
K6AV6-24-20	1-1/2	1-1/4	5.79	147	2-1/2	2.20 56
K6AV6-24-24	1-1/2	1-1/2	7.95	202	2-1/2	4.17 106
K6AV6-24-32	1-1/2	2	8.62	219	2-1/2	4.25 108
K6AV6-32-24	2	1-1/2	6.46	164	3-1/8	2.68 68
K6AV6-32-32	2	2	x	233	3-1/8	5.43 138

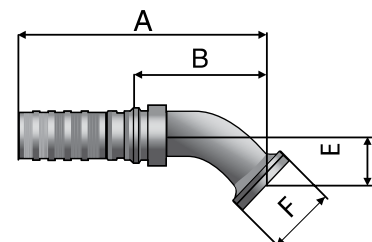


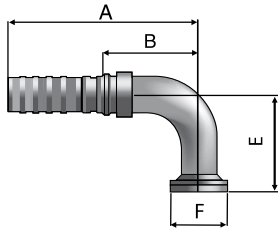
K6FV6

SAE Code 62 - Flange - 45° Elbow

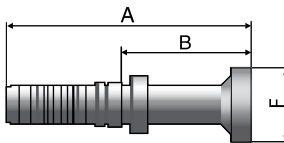
ISO 12151 -3 - E45S-S / SFS 45° / 6000 psi

#			A		E		F	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
K6FV6-20-20	1-1/4	1-1/4	7.44	189	1.50	38	2-1/8	3.82	97
K6FV6-20-24	1-1/4	1-1/2	8.23	209	1.50	38	2-1/8	4.45	113
K6FV6-24-20	1-1/2	1-1/4	7.44	189	1.50	38	2-1/2	3.82	97
K6FV6-24-24	1-1/2	1-1/2	8.70	221	1.73	44	2-1/2	4.92	125
K6FV6-24-32	1-1/2	2	10.24	260	2.20	56	2-1/2	5.87	149
K6FV6-32-24	2	1-1/2	8.70	221	1.73	44	3-1/8	4.92	125
K6FV6-32-32	2	2	10.79	274	2.20	56	3-1/8	6.42	163



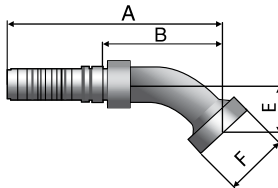
K6NV6**SAE Code 62 - Flange - 90° Elbow****ISO 12151-3 - E90S-S / SFS 90° / 6000 psi**

#			A		E		F	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
K6NV6-20-20	1-1/4	1-1/4	6.97	177	3.54	90	2-1/8	3.39	86
K6NV6-20-24	1-1/4	1-1/2	7.56	192	4.09	104	2-1/8	3.80	96
K6NV6-24-20	1-1/2	1-1/4	6.97	177	3.54	90	2-1/2	3.39	86
K6NV6-24-24	1-1/2	1-1/2	8.27	210	4.09	104	2-1/2	4.45	113
K6NV6-24-32	1-1/2	2	9.29	236	4.09	104	2-1/2	4.2	125
K6NV6-32-24	2	1-1/2	8.23	209	4.09	104	3-1/8	4.45	113
K6NV6-32-32	2	2	10.55	268	5.43	138	3-1/8	6.18	157

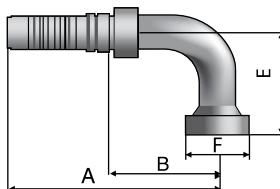
KXAV6**Caterpillar® Flange Head - Straight**

#			A		F	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm
KXAV6-20-20	1-1/4	1-1/4	7.13	181	2-1/8	3.54	90
KXAV6-24-20	1-1/2	1-1/4	7.40	188	2-1/2	3.82	97
KXAV6-24-24	1-1/2	1-1/2	8.15	207	2-1/2	4.37	111

B

KXFV6**Caterpillar® Flange Head - 45° Elbow**

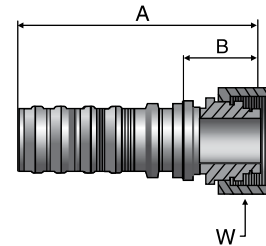
#			A		E		F	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
KXFV6-20-20	1-1/4	1-1/4	7.36	187	1.46	37	2-1/8	3.78	96
KXFV6-24-20	1-1/2	1-1/4	7.36	187	1.42	36	2-1/2	3.78	96
KXFV6-24-24	1-1/2	1-1/2	8.50	216	1.54	39	2-1/2	4.72	120

KXNV6**Caterpillar® Flange Head - 90° Elbow**

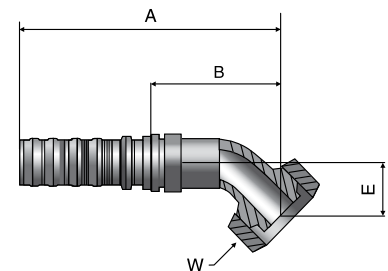
#			A		E		F	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
KXNV6-20-20	1-1/4	1-1/4	6.97	177	3.03	77	2-1/8	2.13	54
KXNV6-24-20	1-1/2	1-1/4	6.97	177	3.03	77	2-1/2	2.52	64
KXNV6-24-24	1-1/2	1-1/2	8.23	209	4.17	106	2-1/2	2.52	64

KC9V6**Female Metric S - Swivel - (24° cone with O-Ring)****ISO 12151-2-SWS-S, DKOS**

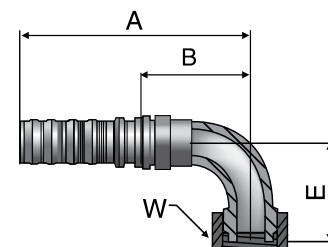
#			A		W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm
KC9V6-30-20	M42x2	1-1/4	5.16	131	50	1.61	41
KC9V6-38-20	M52x2	1-1/4	5.31	135	60	1.73	44
KC9V6-38-24	M52x2	1-1/2	5.47	139	60	1.69	43

**K0CV6****Female Metric S - Swivel - 45° Elbow - (24° Cone with O-Ring)****ISO 12151-2-SWE45-S, DKOS**

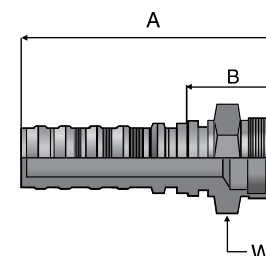
#			A		E	W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	mm	inch	inch	mm
K0CV6-30-20	M42x2	1-1/4	7.24	184	34	50	3.66	93
K0CV6-38-20	M52x2	1-1/4	7.36	187	37	60	3.80	96
K0CV6-38-24	M52x2	1-1/2	8.90	226	49	60	5.12	130

**K1CV6****Female Metric S - Swivel - 90° Elbow - (24° Cone with O-Ring)****ISO 12151-2-SWE90-S, DKOS**

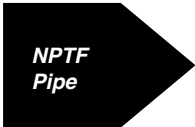
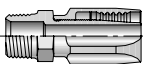

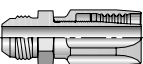
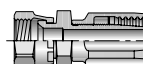
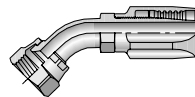
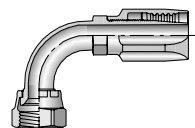
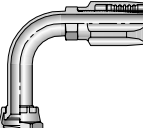

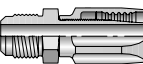
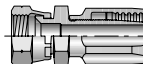
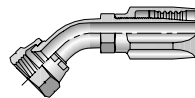
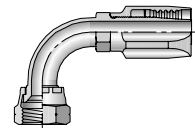
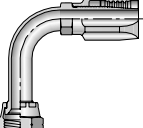

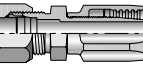

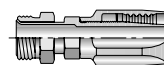
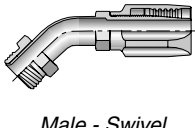
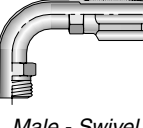

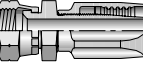

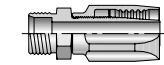

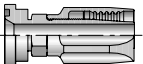
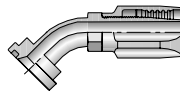
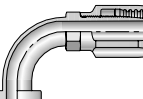

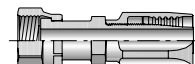
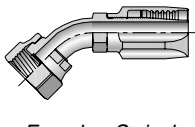
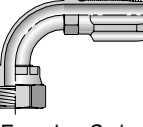
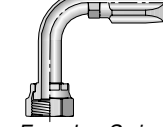

#			A		E	W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	mm	inch	inch	mm
K1CV6-30-20	M42x2	1-1/4	6.65	169	69	50	3.07	78
K1CV6-38-20	M52x2	1-1/4	6.97	177	78	60	3.39	86
K1CV6-38-24	M52x2	1-1/2	8.23	209	101	60	4.45	130

**KD2V6****Male Metric S - Rigid - (24° Cone)****IISO 12151-2-S-S**

#			A		W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm
KD2V6-30-20	M42x2	1-1/4	5.39	137	46	1.81	46
KD2V6-38-20	M52x2	1-1/4	5.59	142	55	2.01	51
KD2V6-38-24	M52x2	1-1/2	5.79	147	55	2.01	51



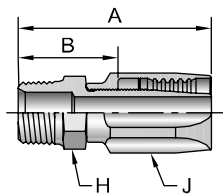
Use with 201, 206, 266, 221FR and SS25UL hoses.





 NPTF Pipe	20120 B-132  <i>Male - Rigid</i>	 JIC 37°	20320 B-132  <i>Male - Rigid</i>	20620 B-133  <i>Female - Swivel</i>	23720 B-133  <i>Female - Swivel 45° Elbow - Short</i>
23920 B-134  <i>Female - Swivel 90° Elbow - Short</i>	24120 B-134  <i>Female - Swivel 90° Elbow - Long</i>	 SAE 45°	20420 B-134  <i>Male - Rigid</i>	20820 B-135  <i>Female - Swivel</i>	27720 B-135  <i>Female - Swivel 45° Elbow</i>
27920 B-135  <i>Female - Swivel 90° Elbow</i>	28120 B-136  <i>Female - Swivel 90° Elbow - Long</i>	 Flareless	21120 B-136  <i>Male - Rigid</i>	 Inverted Flare	22820 B-136  <i>Male - Swivel</i>
26720 B-136  <i>Male - Swivel 45° Elbow</i>	26920 B-137  <i>Male - Swivel 90° Elbow</i>	 PTT 30°	23220 B-137  <i>Female - Swivel</i>	 Compression	26120 B-137  <i>Male (without Nut or Sleeve)</i>
 Code 61 Flange	21520 B-137  <i>Flange</i>	21720 B-138  <i>45° Elbow</i>	21920 B-138  <i>90° Elbow</i>	 Seal-Lok® (O-Ring Face Seal)	2JS20 B-138  <i>Female - Swivel Long</i>
2J720 B-138  <i>Female - Swivel 45° Elbow</i>	2J920 B-139  <i>Female - Swivel 90° Elbow - Short</i>	2J120 B-139  <i>Female - Swivel 90° Elbow - Long</i>	 Assembly Instructions	20 Series Assembly Instructions B-140	

Use with 201, 206, 266, 221FR and SS25UL hoses.

20120

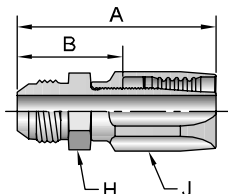
Male NPTF Pipe - Rigid








#									Additional Material Brass (B)
Part Number	Thread inch	Hose I.D. inch	A inch	mm	H inch	J inch	B inch	mm	
20120-2-4	1/8x27	3/16	1.72	44	7/16	5/8	0.94	24	
20120-2-5	1/8x27	1/4	1.82	46	1/2	11/16	0.99	25	
20120-4-4	1/4x18	3/16	1.93	49	9/16	5/8	1.15	29	
20120-4-5	1/4x18	1/4	2.01	51	9/16	11/16	1.18	30	
20120-4-6	1/4x18	5/16	2.11	54	9/16	13/16	1.19	30	
20120-6-6	3/8x18	5/16	2.20	56	3/4	13/16	1.28	33	
20120-6-8	3/8x18	13/32	2.48	63	3/4	15/16	1.39	35	
20120-8-8	1/2x14	13/32	2.73	69	7/8	15/16	1.64	42	
20120-8-10	1/2x14	1/2	2.88	73	7/8	1-1/8	1.66	42	
20120-12-10	3/4x14	1/2	2.95	75	1-1/16	1-1/8	1.73	44	
20120-12-12	3/4x14	5/8	3.25	83	1-1/16	1-1/4	1.75	44	
20120-12-16	3/4x14	7/8	2.81	71	1-3/8	1-7/16	1.62	41	
20120-16-16	1x11-1/2	7/8	2.99	76	1-3/8	1-7/16	1.80	46	●
20120-20-20	1-1/4x11-1/2	1-1/8	3.24	82	1-3/4	1-3/4	1.96	50	●
20120-24-24	1-1/2x11-1/2	1-3/8	3.50	89	2	2	2.13	54	●
20120-32-32	2 x11-1/2	1-13/16	4.05	103	2-1/2	2-1/2	2.31	59	●

20320

Male JIC 37° - Rigid

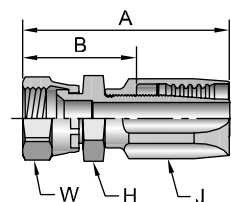


#									
Part Number	Thread		Hose I.D.	A		H	J	B	
	inch		inch	inch	mm	inch	inch	inch	mm
20320-4-4	1/4	7/16x20	3/16	1.83	46	1/2	5/8	1.05	27
20320-5-5	5/16	1/2x20	1/4	1.94	49	9/16	11/16	1.11	28
20320-6-6	3/8	9/16x18	5/16	2.11	54	5/8	13/16	1.19	30
20320-8-8	1/2	3/4x16	13/32	2.57	65	13/16	15/16	1.48	38
20320-10-10	5/8	7/8x14	1/2	2.88	73	15/16	1-1/8	1.66	42
20320-12-12	3/4	1-1/16x12	5/8	3.35	85	1-1/8	1-1/4	1.85	47
20320-16-16	1	1-5/16x12	7/8	2.95	75	1-3/8	1-7/16	1.76	45

Use with 201, 206, 266, 221FR and SS25UL hoses.

20620**Female JIC 37° - Swivel**

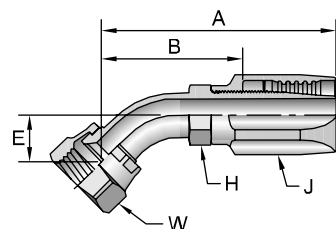
# Part Number	Thread		Hose I.D. inch	A		H inch	J inch	W inch	B		Additional Material Stainless Steel (C)
	inch			inch	mm				inch	mm	
20620-4-4	1/4	7/16x20	3/16	1.94	49	9/16	5/8	9/16	1.16	29	•
20620-4-5	1/4	7/16x20	1/4	2.04	52	9/16	11/16	9/16	1.21	31	
20620-5-5	5/16	1/2x20	1/4	2.12	54	5/8	11/16	5/8	1.29	33	
20620-6-5	3/8	9/16x18	1/4	2.19	56	11/16	11/16	11/16	1.36	35	
20620-6-6	3/8	9/16x18	5/16	2.32	59	11/16	13/16	11/16	1.40	36	•
20620-8-6	1/2	3/4x16	5/16	2.44	62	7/8	13/16	7/8	1.52	39	
20620-8-8	1/2	3/4x16	13/32	2.79	71	7/8	15/16	7/8	1.70	43	•
20620-8-10	1/2	3/4x16	1/2	2.99	76	7/8	1-1/8	7/8	1.77	45	
20620-10-8	5/8	7/8x14	13/32	2.94	75	7/8	15/16	1	1.85	47	
20620-10-10	5/8	7/8x14	1/2	3.10	79	1	1-1/8	1	1.88	48	•
20620-10-12	5/8	7/8x14	5/8	3.40	86	1	1-1/4	1	1.90	48	
20620-12-12	3/4	1-1/16x12	5/8	3.49	89	1-1/4	1-1/4	1-1/4	1.99	51	•
20620-16-16	1	1-5/16x12	7/8	3.20	81	1-1/2	1-7/16	1-1/2	2.01	51	•
20620-20-20	1-1/4	1-5/8x12	1-1/8	3.56	90	2	1-3/4	2	2.28	58	
20620-24-24	1-1/2	1-7/8x12	1-3/8	3.95	100	2-1/4	2	2-1/4	2.58	66	
20620-32-32	2	2-1/2x12	1-13/16	4.71	120	2-7/8	2-1/2	2-7/8	2.97	75	



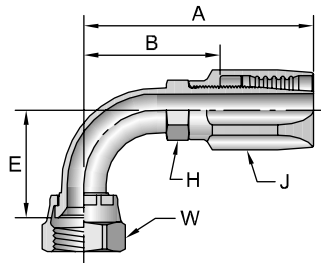
B






23720**Female JIC 37° - Swivel - 45° Elbow - Short Drop**

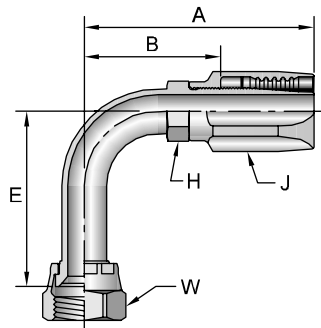
# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch			inch	mm	inch	mm				inch	mm
23720-4-4	1/4	7/16x20	3/16	2.08	53	0.33	8	3/8	5/8	9/16	1.30	33
23720-5-5	5/16	1/2x20	1/4	2.30	58	0.36	9	7/16	11/16	5/8	1.47	37
23720-6-6	3/8	9/16x18	5/16	2.45	62	0.39	10	1/2	13/16	11/16	1.53	39
23720-8-6	1/2	3/4x16	5/16	2.77	70	0.55	14	5/8	13/16	7/8	1.85	47
23720-10-10	5/8	7/8x14	1/2	3.36	85	0.65	17	3/4	1-1/8	1	2.14	54
23720-12-12	3/4	1-1/16x12	5/8	3.94	100	0.79	20	7/8	1-1/4	1-1/4	2.44	62
23720-16-16	1	1-5/16x12	7/8	3.73	95	0.90	23	1-1/8	1-7/16	1-1/2	2.54	65
23720-20-20	1-1/4	1-5/8x12	1-1/8	4.17	106	1.19	30	1-1/2	1-3/4	2	2.89	73








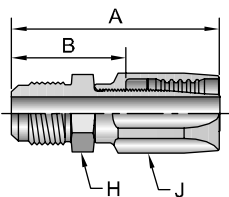
Use with 201, 206, 266, 221FR and SS25UL hoses.





23920**Female JIC 37° - Swivel - 90° Elbow - Short Drop**

#												
Part Number	Thread inch	Hose I.D. inch	A inch	mm	E inch	mm	H inch	J inch	W inch	B inch	mm	
23920-4-4	1/4	7/16x20	3/16	1.91	49	0.83	21	3/8	5/8	9/16	1.13	29
23920-5-5	5/16	1/2x20	1/4	2.30	58	0.77	20	7/16	11/16	5/8	1.47	37
23920-6-6	3/8	9/16x18	5/16	2.35	60	0.90	23	1/2	13/16	11/16	1.43	36
23920-8-8	1/2	3/4x16	13/32	2.88	73	1.09	28	5/8	15/16	7/8	1.79	45
23920-10-10	5/8	7/8x14	1/2	3.20	81	1.24	31	3/4	1-1/8	1	1.98	50
23920-12-12	3/4	1-1/16x12	5/8	3.86	98	1.82	46	7/8	1-1/4	1-1/4	2.36	60
23920-16-16	1	1-5/16x12	7/8	3.69	94	2.14	54	1-1/8	1-7/16	1-1/2	2.50	64
23920-20-20	1-1/4	1-5/8x12	1-1/8	4.01	102	2.59	66	1-1/2	1-3/4	2	2.73	69
23920-24-24	1-1/2	1-7/8x12	1-3/8	4.43	113	2.82	72	1-3/4	2	2-1/4	3.06	78

24120**Female JIC 37° - Swivel - 90° Elbow - Long Drop**

#												
Part Number	Thread		Hose I.D.	A		E		H	J	W	B	
	inch		inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
24120-4-4	1/4	7/16x20	3/16	2.08	53	1.80	46	3/8	5/8	9/16	1.30	33
24120-6-6	3/8	9/16x18	5/16	2.34	59	2.18	55	1/2	13/16	11/16	1.42	36
24120-8-8	1/2	3/4x16	13/32	2.95	75	2.43	62	5/8	15/16	7/8	1.86	47
24120-10-10	5/8	7/8x14	1/2	3.26	83	2.58	66	3/4	1-1/8	1	2.04	52
24120-12-12	3/4	1-1/16x12	5/8	3.78	96	3.74	95	7/8	1-1/4	1-1/4	2.28	58

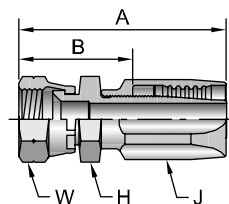
20420**Male SAE 45° - Rigid**

#				A				B	
Part Number	Thread inch		Hose I.D. inch	inch	mm	inch	inch	inch	mm
20420-4-4	1/4	7/16x20	3/16	1.80	46	1/2	5/8	1.02	26
20420-5-5	5/16	1/2x20	1/4	1.94	49	9/16	11/16	1.11	28
20420-6-6	3/8	5/8x18	5/16	2.17	55	11/16	13/16	1.25	32
20420-8-8	1/2	3/4x16	13/32	2.67	68	13/16	15/16	1.58	40
20420-10-10	5/8	7/8x14	1/2	3.00	76	15/16	1-1/8	1.78	45
20420-12-12	3/4	1-1/16x14	5/8	3.50	89	1-1/8	1-1/4	2.00	51

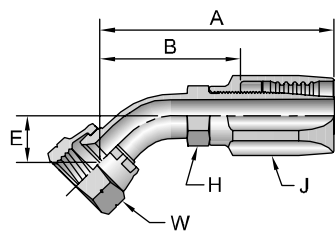
Use with 201, 206, 266, 221FR and SS25UL hoses.

20820**Female SAE 45° - Swivel**

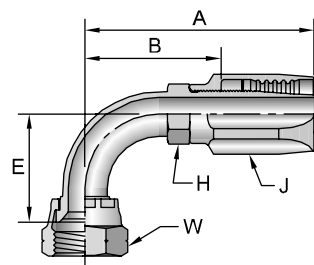
#				A		H	J	W	B	
Part Number	Thread inch	Hose I.D. inch		inch	mm	inch	inch	inch	inch	mm
20820-4-4	1/4	7/16x20	3/16	1.94	49	9/16	5/8	9/16	1.16	29
20820-4-5	1/4	7/16x20	1/4	2.04	52	9/16	11-16	9/16	1.21	31
20820-5-5	5/16	1/2x20	1/4	2.12	54	5/8	11-16	5/8	1.29	33
20820-6-6	3/8	5/8x18	5/16	2.36	60	3/4	13/16	3/4	1.44	37
20820-8-8	1/2	3/4x16	13/32	2.79	71	7/8	15/16	7/8	1.70	43
20820-8-10	1/2	3/4x16	1/2	2.99	76	7/8	1-1/8	7/8	1.77	45
20820-10-10	5/8	7/8x14	1/2	3.10	79	1	1-1/8	1	1.88	48
20820-12-12	3/4	1-1/16x14	5/8	3.49	89	1-1/4	1-1/4	1-1/4	1.99	51

**27720****Female SAE 45° - Swivel - 45° Elbow**

#			A		E		H	J	W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
27720-6-6	3/8	5/8x18	2.45	62	0.39	10	1/2	13/16	3/4	1.53	39
27720-8-6	1/2	3/4x16	2.77	71	0.55	14	5/8	13/16	7/8	1.86	47
27720-8-8	1/2	3/4x16	3.09	78	0.55	14	5/8	15/16	7/8	2.00	51
27720-10-10	5/8	7/8x14	3.35	85	0.65	17	3/4	1-1/8	1	2.13	54

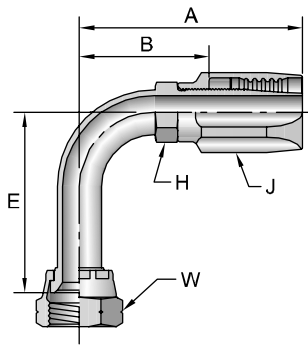
**27920****Female SAE 45° - Swivel - 90° Elbow**






#			A		E		H	J	W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
27920-4-4	1/4	7/16x20	1.91	49	0.83	21	3/8	5/8	9/16	1.13	29
27920-5-5	5/16	1/2x20	2.30	58	0.77	20	7/16	11/16	5/8	1.47	37
27920-6-6	3/8	5/8x18	2.33	59	0.85	22	1/2	13/16	3/4	1.41	36
27920-8-8	1/2	3/4x16	2.86	73	1.09	28	5/8	15/16	7/8	1.77	45
27920-10-10	5/8	7/8x14	3.20	81	1.24	31	3/4	1-1/8	1	1.98	50
27920-12-12	3/4	1-1/16x14	3.87	98	1.82	46	7/8	1-1/4	1-1/4	2.37	60



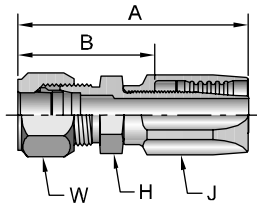
Notch in nut signifies 45° flare.






Use with 201, 206, 266, 221FR and SS25UL hoses.

**28120****Female SAE 45° - Swivel - 90° Elbow - Long Drop**

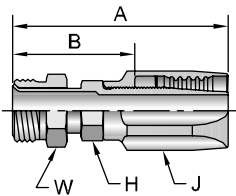
#			A		E					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
28120-6-6	3/8 5/8x18	5/16	2.34	59	2.18	55	1/2	13/16	3/4	1.42	36
28120-8-8	1/2 3/4x16	13/32	2.95	75	2.43	62	5/8	15/16	7/8	1.86	47






Notch in nut signifies 45° flare.

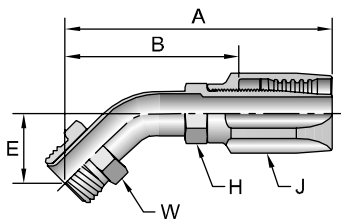
21120**Male Ferulok Flareless - Rigid
(24° Cone with Nut and Ferrule)**






#			A					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	inch	inch	mm
21120-6-6	3/8 9/16x18	5/16	2.05	52	5/8	13/16	11/16	1.13	29
21120-8-8	1/2 3/4x16	13/32	2.52	64	13/16	15/16	7/8	1.43	36

The Parker Ferrule-Fix fitting makes it possible to salvage the bent tube section from a hose assembly for quick, easy on the job repairs. For additional information see Ferrule-Fix installation instructions in the Technical Section.

22820**Male Inverted SAE 45° - Swivel**

#			A					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	inch	inch	mm
22820-4-4	1/4 7/16x24	3/16	2.45	62	3/8	5/8	7/16	1.67	42
22820-5-5	5/16 1/2x20	1/4	2.70	69	7/16	11/16	1/2	1.87	47
22820-6-6	3/8 5/8x18	5/16	2.95	75	1/2	13/16	5/8	2.03	52
22820-8-8	1/2 3/4x18	13/32	3.36	85	5/8	15/16	3/4	2.27	58
22820-10-10	5/8 7/8x18	1/2	3.64	92	3/4	1-1/8	7/8	2.42	61

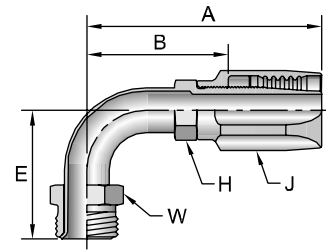
26720**Male Inverted SAE 45° - Swivel - 45° Elbow**

#			A		E					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
26720-4-4	1/4 7/16x24	3/16	2.21	56	0.62	16	3/8	5/8	7/16	1.43	36
26720-5-5	5/16 1/2x20	1/4	2.44	62	0.70	18	7/16	11/16	1/2	1.61	41
26720-6-6	3/8 5/8x18	5/16	3.00	76	0.94	24	1/2	13/16	5/8	2.08	53
26720-8-8	1/2 3/4x18	13/32	3.51	89	1.09	28	5/8	15/16	3/4	2.42	61

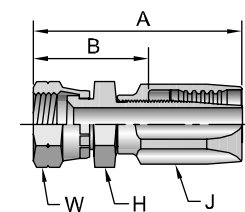
Use with 201, 206, 266, 221FR and SS25UL hoses.

26920**Male Inverted SAE 45° - Swivel - 90° Elbow**

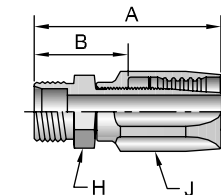
#				A		E		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	inch	inch	inch	inch	mm
26920-4-4	1/4	7/16x24	3/16	2.29	58	1.56	40	3/8	5/8	7/16	1.51	38
26920-5-5	5/16	1/2x20	1/4	2.55	65	1.65	42	7/16	11/16	1/2	1.72	44
26920-5-6	5/16	1/2x20	5/16	2.63	67	1.65	42	1/2	13/16	1/2	1.71	43
26920-6-6	3/8	5/8x18	5/16	2.67	68	1.69	43	1/2	13/16	5/8	1.75	44
26920-8-8	1/2	3/4x18	13/32	3.09	78	1.88	48	5/8	15/16	3/4	2.00	51

**23220****Female PTT 30° - Swivel**

#				A		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	inch	inch	inch	mm
23220-16-16	1	1-5/16x14	7/8	2.98	76	1-1/2	1-7/16	1-1/2	1.79	45

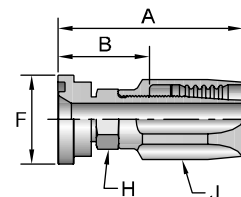
**26120****Male SAE Compression Seat
(without Nut or Sleeve)**

#				A		H	J	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	inch	inch	mm
26120-10-10	5/8	13/16x18	1/2	2.64	67	7/8	1-1/8	1.42	36

**21520****SAE Code 61 Flange Head
ISO 12151-3-S-L**

#			A		F	H	J	B	
Part Number	Flange	Hose I.D.	inch	mm	inch	inch	inch	inch	mm
21520-20-20	1-1/4	1-1/8	3.58	91	2	1-1/2	1-3/4	2.30	58
21520-40-40	2-1/2	2-3/8	5.22	133	3-5/16	2-3/4	3-1/8	3.41	87

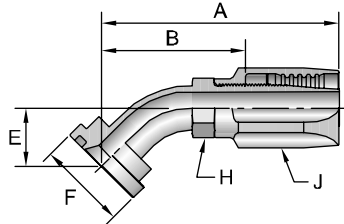
See Accesories Section for O-Rings and Flange Kits.








Use with 201, 206, 266, 221FR and SS25UL hoses.

21720**SAE Code 61 Flange Head - 45° Elbow**

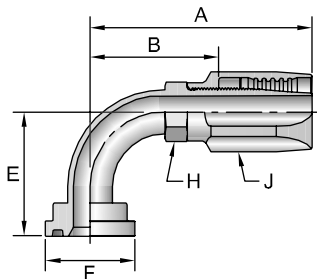
ISO 12151-3- E45S - L (1 Piece: ISO 12151-3- E45M - L)








#			A		E					B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
21720-20-20	1-1/4	1-1/8	4.10	104	1.12	28	2	1-1/2	1-3/4	2.82	72
21720-40-40	2-1/2	2-3/8	5.83	148	1.41	36	3-3/8	2-3/4	3-1/8	4.02	102

21920**SAE Code 61 Flange Head - 90° Elbow**

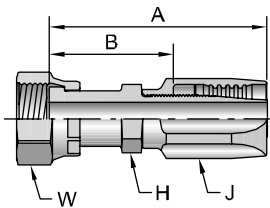
ISO 12151-3- E90S - L (1 Piece: ISO 12151-3- E90M - L)








#			A		E					B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
21920-8-8	1/2	13/32	2.95	75	1.62	41	1-3/16	5/8	15/16	1.86	47
21920-32-32	2	1-13/16	5.44	138	3.19	81	2-13/16	2-1/4	2-1/2	3.70	94
21920-40-40	2-1/2	2-3/8	6.18	157	3.75	95	3-5/16	2-3/4	3-1/8	4.37	111

2JS20**Female Seal-Lok® - Swivel - Long**

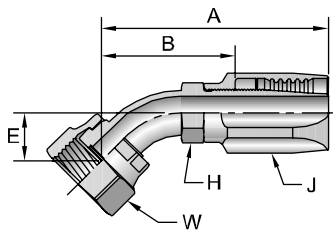
ISO 12151-1 - SWSB








#				A					B	
Part Number	Thread		Hose I.D.	inch	mm	inch	inch	inch	inch	mm
2JS20-4-4	1/4	9/16x18	3/16	2.07	53	9/16	5/8	11/16	1.29	33
2JS20-6-6	3/8	11/16x16	5/16	2.36	60	1/2	13/16	13/16	1.44	37
2JS20-8-8	1/2	13/16x16	13/32	2.92	74	5/8	15/16	15/16	1.83	46
2JS20-10-10	5/8	1x14	1/2	3.15	80	3/4	1-1/8	1-1/8	1.93	49
2JS20-12-12	3/4	1-3/16x12	5/8	3.66	93	1-1/8	1-1/4	1-3/8	2.16	55

2J720**Female Seal-Lok® - Swivel - 45° Elbow**

ISO 12151-1 - SWE45








#												
Part Number	Thread inch	Hose I.D. inch	A inch	mm	E inch	mm	H inch	J inch	W inch	B inch	mm	
2J720-4-4	1/4	9/16x18	3/16	2.24	57	0.41	10	7/16	5/8	11/16	1.46	37
2J720-6-6	3/8	11/16x16	5/16	2.52	64	0.43	11	1/2	13/16	13/16	1.60	41
2J720-8-8	1/2	13/16x16	13/32	3.19	81	0.59	15	5/8	15/16	15/16	2.10	53
2J720-10-10	5/8	1x14	1/2	3.46	88	0.65	17	3/4	1-1/8	1-1/8	2.24	57

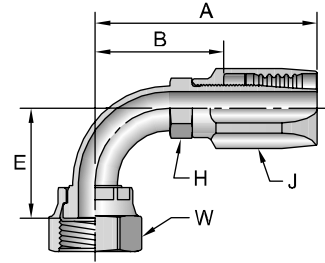
See Accessories Section for O-Rings and Flange Kits.

Use with 201, 206, 266, 221FR and SS25UL hoses.






2J920**Female Seal-Lok® - Swivel 90° Elbow - Short Drop**

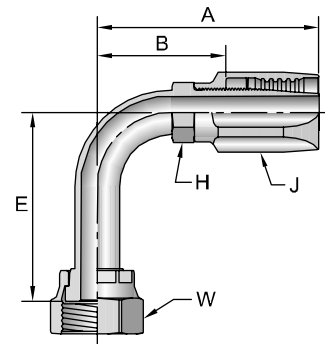
ISO 12151-1 - SWE90

# Part Number	 Thread inch		 Hose I.D. inch	A inch mm		E inch mm		 H inch	 J inch	 W inch	B inch mm	
2J920-4-4	1/4	9/16x18	3/16	2.22	56	0.82	21	7/16	5/8	11/16	1.44	37
2J920-6-6	3/8	11/16x16	5/16	2.39	61	0.90	23	1/2	13/16	13/16	1.47	37
2J920-8-8	1/2	13/16x16	13/32	2.91	74	1.15	29	5/8	15/16	15/16	1.82	46
2J920-10-10	5/8	1x14	1/2	3.16	80	1.27	32	3/4	1-1/8	1-1/8	1.94	49
2J920-12-12	3/4	1-3/16x12	5/8	3.74	95	1.85	47	7/8	1-1/4	1-3/8	2.24	57

**2J120****Female Seal-Lok® - Swivel - 90° Elbow - Long Drop**

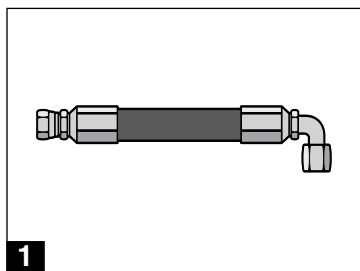
ISO 12151-1 - SWEL90

# Part Number	 Thread inch		 Hose I.D. inch	A inch mm		E inch mm		 H inch	 J inch	 W inch	B inch mm	
2J120-4-4	1/4	9/16x18	3/16	2.01	51	1.80	46	7/16	5/8	11/16	1.23	31
2J120-6-6	3/8	11/16x16	5/16	2.48	63	2.13	54	1/2	13/16	13/16	1.56	40
2J120-8-8	1/2	13/16x16	13/32	2.96	75	2.51	64	5/8	15/16	15/16	1.87	47

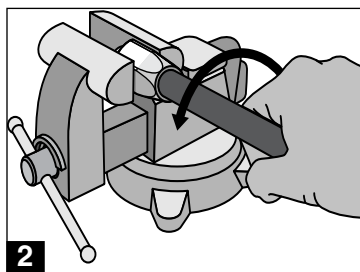


B

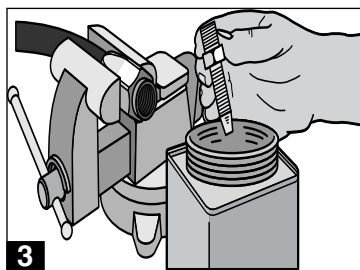
20 Series Hose Assembly Instructions



1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or cutoff machine. Care should be taken to ensure a square, clean cut is obtained.

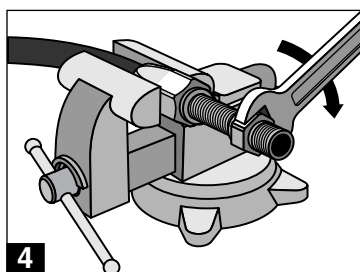


2. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out 1/2 turn.



3. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). Do not oil hose cover.
4. Screw nipple assembly into socket using a wrench on the nipple hex until the nipple hex shoulders against the socket. A 1/32" to 1/16" gap between the nipple hex and socket is allowed for displacement angle adjustment when two elbow fittings are used.

Inspection. Examine hose assembly internally for cut or bulged tube, obstructions and cleanliness. Clean ID of hose as necessary. Swivel nuts should turn freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the assembly to keep clean.



Special Instructions for stainless steel fittings. When assembling fittings made with 316 stainless steel, lubricate the threads of both the socket and nipple with Accrolube High Efficiency Lubricant (see Section C) or equivalent metal assembly lubricant.

Note: DISASSEMBLE IN REVERSE ORDER

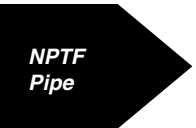
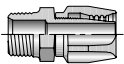

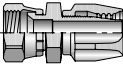
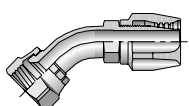
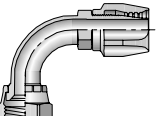
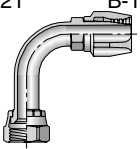

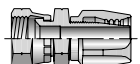
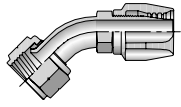
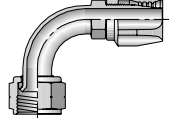

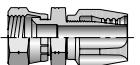

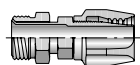
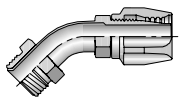
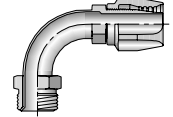

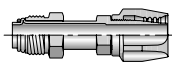
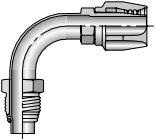
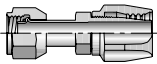
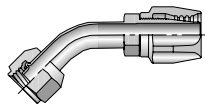
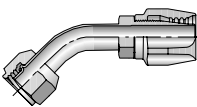
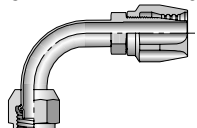
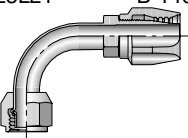

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS DIVISION - TECHNICAL SERVICES DEPARTMENT

PHONE: 02 9842 5110

FAX: 02 9842 5111

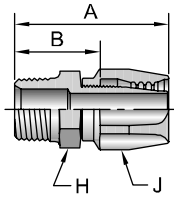
<http://www.parkerhose.com>

Use with 213, 285, 293 hoses.

 NPTF Pipe	20121 B-142  Male - Rigid	 JIC 37°	20621 B-142  Female - Swivel	23721 B-142  Female - Swivel 45° Elbow - Short	23921 B-143  Female - Swivel 90° Elbow - Short
24121 B-143  Female - Swivel 90° Elbow - Long	 SAE 45°	20821 B-143  Female - Swivel	27721 B-143  Female - Swivel 45° Elbow	27921 B-144  Female - Swivel 90° Elbow	 PTT 30°
23221 B-144  Female - Swivel	 Inverted Flare	22821 B-144  Male - Swivel	26721 B-144  Male - Swivel 45° Elbow	26921 B-145  Male - Swivel 90° Elbow	 Tube-O
2S521 B-145  Male - Swivel Short	25M21 B-145  Male - Swivel 90° Elbow - Long	25S21 B-145  Female - Swivel Short	25H21 B-146  Female - Swivel 45° Elbow - Short	25N21 B-146  Female - Swivel 45° Elbow - Long	25T21 B-146  Female - Swivel 90° Elbow - Short
25L21 B-146  Female - Swivel 90° Elbow - Long	 Assembly Instructions	21 Series Assembly Instructions B-147			

20121

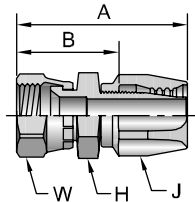
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A		H inch	J inch	B	
			inch	mm			inch	mm
20121-2-4	1/8x27	3/16	1.55	39	7/16	9/16	0.88	22
20121-4-4	1/4x18	3/16	1.77	45	9/16	9/16	1.10	28
20121-4-5	1/4x18	1/4	1.79	45	9/16	5/8	1.05	27
20121-4-6	1/4x18	5/16	1.92	49	9/16	3/4	1.14	29
20121-6-6	3/8x18	5/16	1.95	50	11/16	3/4	1.17	30
20121-6-8	3/8x18	13/32	2.10	53	11/16	7/8	1.18	30
20121-8-8	1/2x14	13/32	2.34	59	7/8	7/8	1.42	36
20121-8-10	1/2x14	1/2	2.44	62	7/8	1-1/16	1.44	37
20121-12-12	3/4x14	5/8	2.58	66	1-1/8	1-1/4	1.50	38
20121-12-16	3/4x14	7/8	2.50	64	1-1/4	1-7/16	1.51	38
20121-16-16	1x11-1/2	7/8	2.69	68	1-3/8	1-7/16	1.70	43
20121-20-20	1-1/4x11-1/2	1-1/8	2.91	74	1-11/16	1-3/4	1.87	47
20121-24-24	1-1/2x11-1/2	1-3/8	3.02	77	2	2	1.92	49

20621

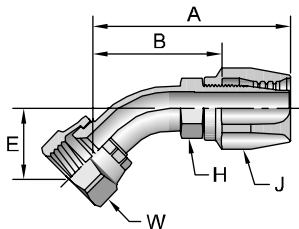
Female JIC 37° - Swivel



# Part Number	Thread inch		Hose I.D. inch	A		H inch	J inch	W inch	B	
				inch	mm				inch	mm
20621-4-4	1/4	7/16x20	3/16	1.83	46	9/16	9/16	9/16	1.16	29
20621-5-5	5/16	1/2x20	1/4	1.92	49	5/8	5/8	5/8	1.18	30
20621-6-6	3/8	9/16x18	5/16	2.09	53	11/16	3/4	11/16	1.31	33
20621-8-8	1/2	3/4x16	13/32	2.46	62	7/8	7/8	7/8	1.54	39
20621-8-10	1/2	3/4x16	1/2	2.56	65	1	1-1/16	7/8	1.56	40
20621-10-10	5/8	7/8x14	1/2	2.65	67	1	1-1/16	1	1.65	42
20621-12-12	3/4	1-1/16x12	5/8	2.85	72	1-1/4	1-1/4	1-1/4	1.77	45
20621-16-16	1	1-5/16x12	7/8	2.94	75	1-1/2	1-7/16	1-1/2	1.95	50
20621-20-20	1-1/4	1-5/8x12	1-1/8	3.16	80	2	1-3/4	2	2.12	54

23721






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

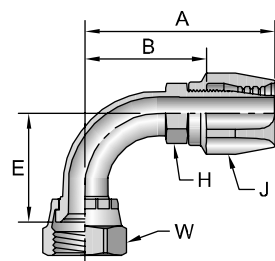







# Part Number	Thread inch		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
				inch	mm	inch	mm				inch	mm
23721-4-4	1/4	7/16x20	3/16	2.11	54	0.39	10	3/8	9/16	9/16	1.43	36
23721-6-6	3/8	9/16x18	5/16	2.26	57	0.40	10	1/2	3/4	11/16	1.48	38
23721-8-8	1/2	3/4x16	13/32	2.73	69	0.55	14	5/8	7/8	7/8	1.81	46
23721-10-10	5/8	7/8x14	1/2	2.97	75	0.64	16	3/4	1-1/16	1	1.97	50
23721-12-12	3/4	1-1/16x12	5/8	3.30	84	0.83	21	7/8	1-1/4	1-1/4	2.22	56
23721-16-16	1	1-5/16x12	7/8	3.44	87	0.90	23	1-1/8	1-7/16	1-1/2	2.45	62
23721-20-20	1-1/4	1-5/8x12	1-1/8	3.80	97	1.19	30	1-3/8	1-3/4	2	2.76	70

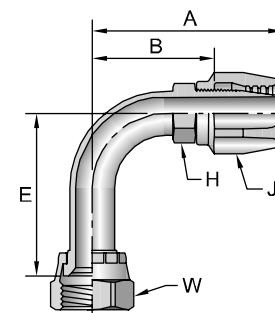
Use with 213, 285, 293 hoses.






23921**Female JIC 37° - Swivel - 90° Elbow - Short Drop**

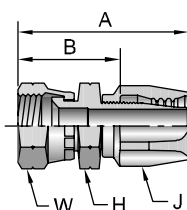
#											
Part Number	Thread inch	Hose I.D. inch	A inch mm		E inch mm		H inch	J inch	W inch	B inch mm	
23921-4-4	1/4 7/16 x 20	3/16	1.88 48	0.83 21	3/8	9/16	9/16	1.20 30			
23921-4-6	1/4 7/16 x 20	5/16	1.95 50	0.83 21	1/2	3/4	9/16	1.17 30			
23921-5-5	5/16 1/2 x 20	1/4	2.07 53	0.77 20	7/16	5/8	5/8	1.33 34			
23921-6-6	3/8 9/16x18	5/16	2.15 55	0.85 22	1/2	3/4	11/16	1.37 35			
23921-8-8	1/2 3/4 x 16	13/32	2.49 63	1.09 28	5/8	7/8	7/8	1.57 40			
23921-10-10	5/8 7/8 x 14	1/2	2.69 68	1.23 31	3/4	1-1/16	1	1.69 43			
23921-12-12	3/4 1-1/16 x 12	5/8	2.88 73	1.89 48	7/8	1-1/4	1-1/4	1.80 46			
23921-16-16	1 1-5/16 x 12	7/8	3.40 86	2.14 54	1-1/8	1-7/16	1-1/2	2.41 61			
23921-20-20	1-1/4 1-5/8 x 12	1-1/8	3.64 92	2.59 66	1-3/8	1-3/4	2	2.60 66			






**24121****Female JIC 37° - Swivel - 90° Elbow - Long Drop**

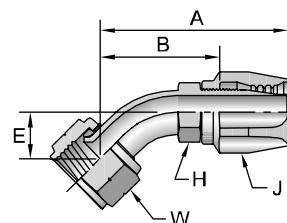
#				A		E					B	
Part Number	Thread inch		Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
24121-4-4	1/4	7/16x20	3/16	1.88	48	2.52	64	3/8	9/16	9/16	1.20	30
24121-6-6	3/8	9/16x18	5/16	2.14	54	2.18	55	1/2	3/4	11/16	1.36	35
24121-8-8	1/2	3/4x16	13/32	2.45	62	2.52	64	5/8	7/8	7/8	1.53	39
24121-10-10	5/8	7/8x14	1/2	2.91	74	2.57	65	3/4	1-1/16	1	1.91	49
24121-20-20	1-1/4	1-5/8x12	1-1/8	3.63	92	5.28	134	1-3/8	1-3/4	2	2.59	66

**20821****Female SAE 45° - Swivel**

# Part Number				A					B	
	Thread inch		Hose I.D. inch	inch	mm	inch	inch	inch	inch	mm
20821-4-4	1/4	7/16x20	3/16	1.83	46	9/16	9/16	9/16	1.16	29
20821-5-5	5/16	1/2x20	1/4	1.91	49	5/8	5/8	5/8	1.17	30
20821-6-6	3/8	5/8x18	5/16	2.12	54	3/4	3/4	3/4	1.34	34
20821-8-8	1/2	3/4x16	13/32	2.46	62	7/8	7/8	7/8	1.54	39
20821-10-10	5/8	7/8x14	1/2	2.65	67	1	1-1/16	1	1.65	42
20821-12-12	3/4	1-1/16x14	5/8	2.85	72	1-1/4	1-1/4	1-1/4	1.77	45

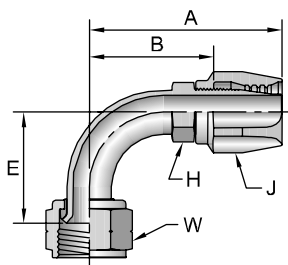
**27721****Female SAE 45° - Swivel - 45° Elbow**

#			A		E					B		
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm	
27721-6-6	3/8	5/8x18	5/16	2.26	57	0.40	10	1/2	3/4	3/4	1.48	38
27721-12-12	3/4	1-1/16x14	5/8	3.30	84	0.83	21	7/8	1-1/4	1-1/4	2.22	56



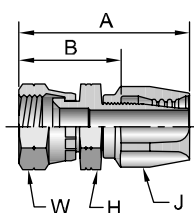
Notch in nut signifies 45° flare.

Use with 213, 285, 293 hoses.

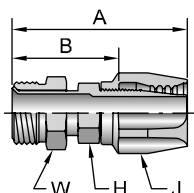
27921**Female SAE 45° - Swivel - 90° Elbow**

#											
Part Number	Thread	Hose I.D.	A	E	H	J	W	B			
27921-6-6	3/8 5/8x18	5/16	2.15 55	0.85 22	1/2	3/4	3/4	1.37	35		
27921-12-12	3/4 1-1/16x14	5/8	2.88 73	1.89 48	7/8	1-1/4	1-1/4	1.89	46		

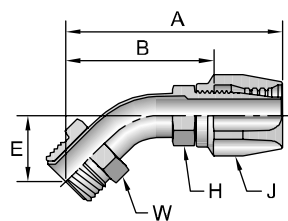
Notch in nut signifies 45° flare.

23221**Female PTT 30° - Swivel**

#										
Part Number	Thread	Hose I.D.	A	H	J	W	B			
23221-16-16	1 1-5/16x14	7/8	2.70 69	1-1/2	1-7/16	1-1/2	1.71	43		

22821**Male Inverted SAE 45° - Swivel**

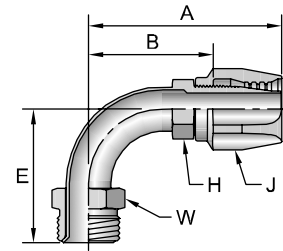
#										
Part Number	Thread	Hose I.D.	A	H	J	W	B			
22821-4-4	1/4 7/16x24	3/16	2.36 60	3/8	9/16	7/16	1.68	43		
22821-5-4	5/16 1/2x20	3/16	2.32 59	7/16	9/16	1/2	1.64	42		
22821-5-5	5/16 1/2x20	1/4	2.34 59	7/16	5/8	1/2	1.60	41		
22821-5-6	5/16 1/2x20	5/16	2.47 63	1/2	3/4	1/2	1.69	43		
22821-6-6	3/8 5/8x18	5/16	2.45 62	1/2	3/4	5/8	1.67	42		
22821-8-8	1/2 3/4x18	13/32	2.84 72	5/8	7/8	3/4	1.92	49		
22821-10-10	5/8 7/8x18	1/2	2.91 74	3/4	1-1/16	7/8	1.91	49		

26721**Male Inverted SAE 45° - Swivel - 45° Elbow**

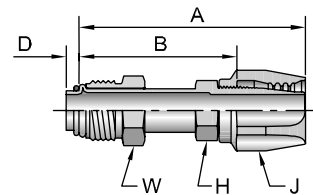
#										
Part Number	Thread	Hose I.D.	A	E	H	J	W	B		
26721-4-4	1/4 7/16x24	3/16	2.35 60	0.62 16	3/8	9/16	7/16	1.67	42	
26721-5-5	5/16 1/2x20	1/4	2.59 66	0.94 24	7/16	5/8	1/2	1.85	47	
26721-6-6	3/8 5/8x18	5/16	2.73 69	0.94 24	1/2	3/4	5/8	1.95	50	
26721-8-8	1/2 3/4x18	13/32	3.05 77	0.94 24	5/8	7/8	3/4	2.13	54	

26921**Male Inverted SAE 45° - Swivel - 90° Elbow**

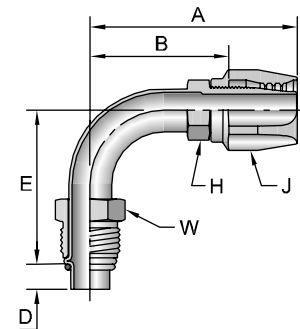
#				A		E					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
26921-4-4	1/4	7/16x24	3/16	2.45	62	1.56	40	3/8	9/16	7/16	1.77	45
26921-5-5	5/16	1/2x20	1/4	2.25	57	1.65	42	7/16	5/8	1/2	1.51	38
26921-5-6	5/16	1/2x20	5/16	2.38	60	1.65	42	1/2	3/4	1/2	1.60	41
26921-6-6	3/8	5/8x18	5/16	2.37	60	1.63	41	1/2	3/4	5/8	1.59	40
26921-8-8	1/2	3/4x18	13/32	2.63	67	1.78	45	5/8	7/8	3/4	1.71	43
26921-10-10	5/8	7/8x18	1/2	2.96	75	2.17	55	3/4	1-1/16	7/8	1.96	50

**2S521****Male Tube-O - Swivel - Short Pilot**

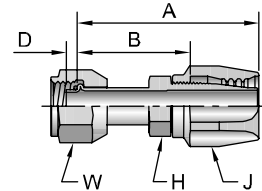
#				A		D					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
2S521-6-6	3/8	5/8x18	5/16	2.64	67	0.18	4,7	1/2	3/4	5/8	1.86	47

**25M21****Male Tube-O - Swivel - 90° Elbow - Long Pilot**

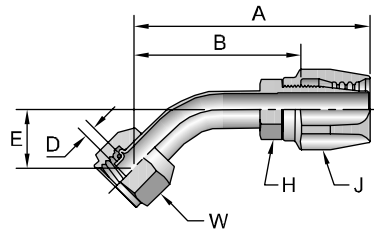
#				A		D		E					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
25M21-8-8	1/2	3/4x18	13/32	2.49	63	0.38	9,8	2.12	54	5/8	7/8	3/4	1.57	40
25M21-10-10	5/8	7/8x18	1/2	3.27	83	0.38	9,8	1.95	50	3/4	1-1/16	7/8	2.27	58

**25S21****Female Tube-O - Swivel - Short Pilot**

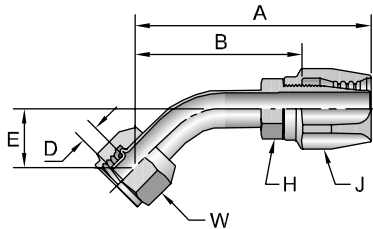
#				A		D					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
25S21-6-6	3/8	5/8x18	5/16	2.66	68	0.18	4,7	1/2	3/4	3/4	1.88	48
25S21-8-8	1/2	3/4x16	13/32	2.86	73	0.18	4,7	5/8	7/8	7/8	1.94	49



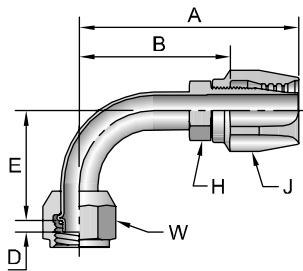
Use with 213, 285, 293 hoses.

25H21**Female Tube-O - Swivel - 45° Elbow - Short Pilot**

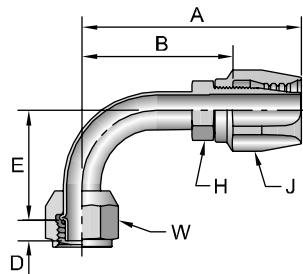
#													
Part Number	Thread	Hose I.D.	A	D	E	H	J	W	B				
25H21-8-8	1/2 3/4x16	13/32	2.74	70	0.18	4,7	0.60	15	5/8	7/8	7/8	1.82	46

25N21**Female Tube-O - Swivel - 45° Elbow - Long Pilot**

#													
Part Number	Thread	Hose I.D.	A	D	E	H	J	W	B				
25N21-8-8	1/2 3/4x16	13/32	3.24	82	0.38	9,8	0.98	25	5/8	7/8	7/8	2.32	59

25T21**Female Tube-O - Swivel - 90° Elbow - Short Pilot**

#													
Part Number	Thread	Hose I.D.	A	D	E	H	J	W	B				
25T21-6-6	3/8 5/8x18	5/16	2.35	60	0.18	4,7	1.21	31	1/2	3/4	3/4	1.57	40
25T21-8-8	1/2 3/4x16	13/32	2.83	72	0.18	4,7	1.31	33	5/8	7/8	7/8	1.91	49
25T21-10-10	5/8 7/8x14	1/2	3.33	85	0.18	4,7	1.50	38	3/4	1-1/16	1-1/16	2.33	59

25L21**Female Tube-O - Swivel - 90° Elbow - Long Pilot**

#													
Part Number	Thread	Hose I.D.	A	D	E	H	J	W	B				
25L21-6-6	3/8 5/8x18	5/16	2.28	58	0.28	7,1	1.43	36	1/2	3/4	3/4	1.50	38
25L21-8-8	1/2 3/4x16	13/32	2.50	64	0.38	9,8	1.46	37	5/8	7/8	7/8	1.58	40
25L21-10-10	5/8 7/8x14	1/2	2.83	72	0.38	9,8	1.75	44	3/4	1-1/16	1-1/16	1.83	46

21 Series

Hose Assembly Instructions

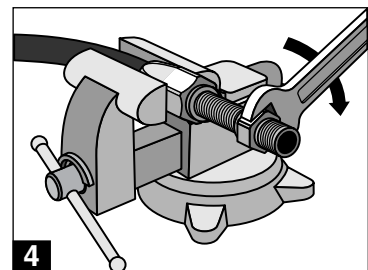
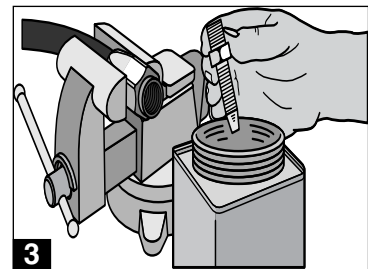
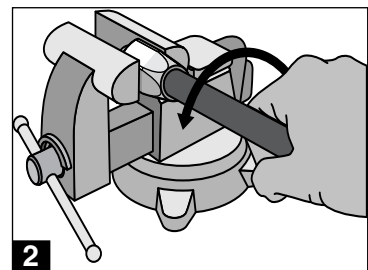
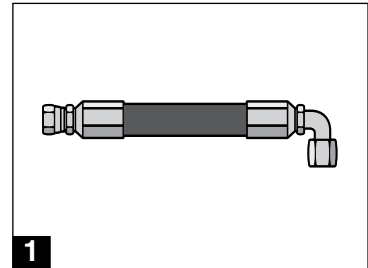
1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Care should be taken to ensure a square, clean cut is obtained.
2. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out ½ turn.
3. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). Do not oil hose cover.
4. Screw nipple assembly into socket using a wrench on the nipple hex until the nipple hex shoulders against the socket. A 1/32" to 1/16" gap between the nipple hex and socket is allowed for displacement angle adjustment when elbow fittings are used.

Inspection. Examine hose assembly internally for cut or bulged tube, obstructions and cleanliness. Clean ID of hose as necessary. Swivel nuts should turn freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the assembly to keep clean.

Special instructions for stainless steel fittings. When assembling fittings made with 316 stainless steel, lubricate the threads of both the socket and nipple with Accrolube High Efficiency Lubricant (see Section C) or equivalent metal assembly lubricant.

Note: Disassemble in reverse order.

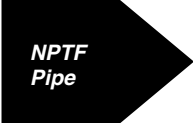
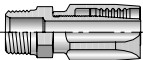

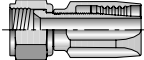

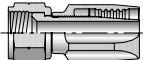

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS
OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS
CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS
DIVISION - TECHNICAL SERVICES DEPARTMENT
PHONE: 02 9842 5110
FAX: 02 9842 5111
<http://www.parkerhose.com>



NOTES

B

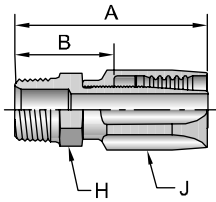
Use with 201, 206, 221FR, 266, SS25UL hoses.





 <i>NPTF Pipe</i>	20122 B-150  <i>Male - Rigid</i>	 <i>JIC 37°</i>	20622 B-150  <i>Female - Swivel</i>	 <i>SAE 45°</i>	20822 B-150  <i>Female - Swivel</i>
 <i>Assembly Instructions</i>	22 Series B-151 Assembly Instructions				

Use with 201, 206, 221FR, 266, SS25UL hoses.

20122

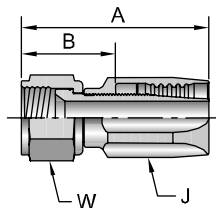
Male NPTF Pipe - Rigid







# Part Number	 Thread inch	 Hose I.D. inch	A		 H	 J	B		Additional Material Brass (B)
			inch	mm	inch	inch	inch	mm	
20122-2-4	1/8x27	3/16	1.72	44	7/16	5/8	0.94	24	
20122-4-4	1/4x18	3/16	1.92	49	9/16	5/8	1.92	29	•
20122-4-5	1/4x18	1/4	2.01	51	9/16	11/16	1.18	30	•
20122-4-6	1/4x18	5/16	2.11	54	9/16	13/16	1.19	30	•
20122-6-8	3/8x18	13/32	2.49	63	3/4	15/16	1.40	36	•
20122-12-12	3/4x14	5/8	3.25	83	1-1/16	1-1/4	1.75	44	•

20622

Female JIC 37° - Swivel

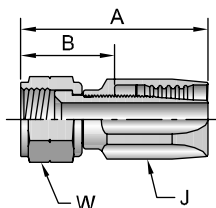






# Part Number	 Thread inch		 Hose I.D. inch	A		 J	 W	B		Additional Material Brass (B)
				inch	mm	inch	inch	inch	mm	
20622-4-4~	1/4	7/16x20	3/16	1.74	44	5/8	9/16	0.96	24	•
20622-5-5~	5/16	1/2x20	1/4	1.91	49	11/16	5/8	1.08	27	•
20622-6-6	3/8	9/16x18	5/16	2.05	52	13/16	11/16	1.13	29	•
20622-8-8~	1/2	3/4x16	13/32	2.55	65	15/16	7/8	1.46	37	•
20622-10-10~	5/8	7/8x14	1/2	2.80	71	1-1/8	1	1.58	40	•
20622-12-12	3/4	1-1/16x12	5/8	3.15	80	1-1/4	1-1/8	1.65	42	•
20622-16-16	1	1-5/16x12	7/8	2.84	72	1-7/16	1-1/2	1.65	42	•
20622-20-20	1-1/4	1-5/8x12	1-1/8	3.00	76	1-3/4	2	1.72	44	•
20622-24-24	1-1/2	1-7/8x12	1-3/8	3.30	84	2	2-1/4	1.93	49	•
20622-32-32	2	2-1/2x12	1-13/16	4.05	103	2-1/2	2-7/8	2.31	59	•
20622-40-40	2-1/2	3x12	2-3/8	4.17	106	3-1/8	3-3/8	2.36	60	•

~These 20622 fittings contain a dual seat that accepts both the JIC (37°) and SAE (45°) male configurations.
The -6 and -12 SAE (45°) swivel fittings are shown under part number 20822.

20822

Female SAE 45° - Swivel



# Part Number	 Thread inch		 Hose I.D. inch	A		 J	 W	B		Additional Material Brass (B)
				inch	mm	inch	inch	inch	mm	
20822-4-4	1/4	7/16x20	3/16	1.74	44	5/8	9/16	0.96	24	•
20822-5-5	5/16	1/2x20	1/4	1.91	49	11/16	5/8	1.08	27	•
20822-6-6	3/8	5/8x18	5/16	2.08	53	13/16	3/4	1.16	29	•
20822-8-8	1/2	3/4x16	13/32	2.45	62	15/16	7/8	1.36	35	•
20822-10-10	5/8	7/8x14	1/2	2.80	71	1-1/8	1	1.58	40	•
20822-12-12	3/4	1-1/16x14	5/8	3.10	79	1-1/4	1-1/4	1.60	41	•

Notch in nut for SAE (45°) flare.

22 Series

Mandrel Assembly Instructions

1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Care should be taken to ensure a square, clean cut is obtained. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out ½ turn.
2. When assembling male pipe ends, slide nipple onto mandrel.
3. When assembling swivel ends, slide swivel nut over nipple. Slide nut and nipple onto mandrel. Screw mandrel threads into nipple and wrench tighten.
4. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). **Do not oil hose cover.**
5. Push nipple into socket.
 - Male ends: Thread nipple in until it bottoms against socket.
 - Swivel ends: Thread nipple into socket using hex on assembly mandrel. Leave clearance of approximately 1/32" (.784mm) between nut and socket to allow nut to swivel. **Remove mandrel.**

Note: Disassemble in reverse order.

Caution: Do Not Attempt to Assemble These Fittings to the Hose Without Using a Mandrel.

Inspection. Examine hose assembly internally for cut or bulged tube, obstructions and cleanliness. Clean ID of hose as necessary. Swivel nuts should turn freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the assembly to keep clean.

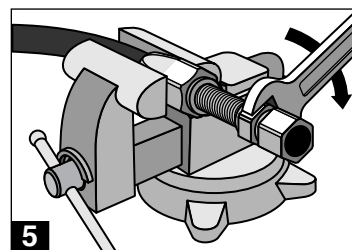
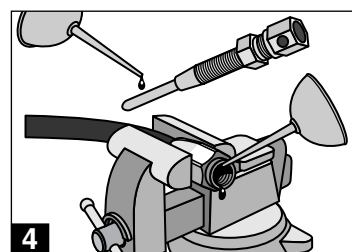
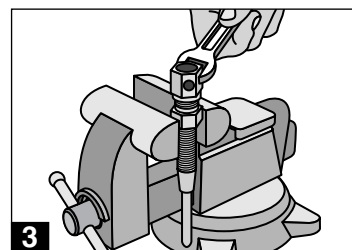
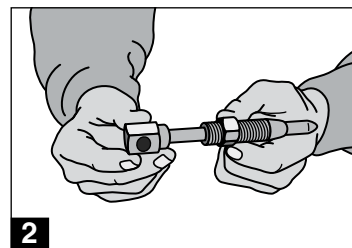
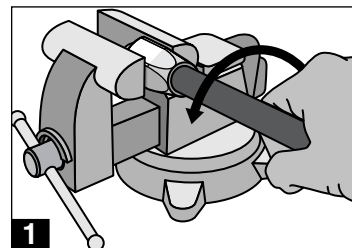
Special Instructions for Refrigerant Hose. Oil inside of hose and nipple threads liberally with the same oil used in refrigeration system. **Do not oil hose cover.** Do not allow hose to contact any petroleum base fluids.

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS DIVISION TECHNICAL SERVICES DEPARTMENT

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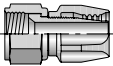

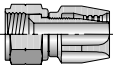

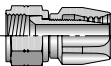
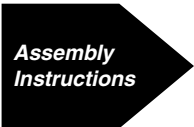


B

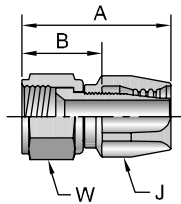
NOTES





B

Use with 213, 285, 293 hoses.

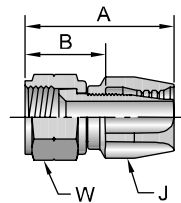
	20623 B-154  <i>Female - Swivel</i>		20823 B-154  <i>Female - Swivel</i>		23223 B-154  <i>Female - Swivel</i>
	23 Series B-155 Assembly Instructions				

Use with 213, 285, 293 hoses.

20623**Female JIC 37° - Swivel**

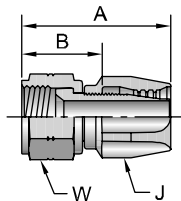
#				A				B	
Part Number	Thread inch		Hose I.D. inch	inch	mm	inch	inch	inch	mm
20623-4-4~	1/4	7/16x20	3/16	1.63	41	9/16	9/16	0.96	24
20623-5-5~	5/16	1/2x20	1/4	1.70	43	5/8	5/8	0.96	24
20623-6-6	3/8	9/16x18	5/16	1.91	49	3/4	11/16	1.13	29
20623-8-8~	1/2	3/4x16	13/32	2.16	55	7/8	7/8	1.24	31
20623-10-10~	5/8	7/8x14	1/2	2.37	60	1-1/16	1	1.37	35
20623-12-12	3/4	1-1/16x12	5/8	2.51	64	1-1/4	1-1/4	1.43	36
20623-16-16	1	1-5/16x12	7/8	2.50	64	1-7/16	1-1/2	1.51	38
20623-20-20	1-1/4	1-5/8x12	1-1/8	2.75	70	1-3/4	2	1.71	43
20623-24-24	1-1/2	1-7/8x12	1-3/8	3.00	76	2	2-1/4	1.90	48
20623-32-32	2	2-1/2x12	1-13/16	3.57	91	2-3/8	2-7/8	2.28	58




~ These 20623 fittings contain a dual seat that accepts both the JIC (37°) and SAE (45°) male configurations. The -6 and -12 SAE (45°) swivel fittings are shown under part number 20823.

20823**Female SAE 45° - Swivel**

#										
Part Number	Thread inch		Hose I.D. inch	A inch mm		J inch	W inch	B inch mm		Additional Material Brass (B)
20823-4-4	1/4	7/16x20	3/16	1.68	43	9/16	9/16	1.01	26	•
20823-6-6	3/8	5/8x18	5/16	1.94	49	3/4	3/4	1.16	29	•
20823-8-8	1/2	3/4x16	13/32	2.08	53	7/8	7/8	1.16	29	•
20823-10-10	5/8	7/8x14	1/2	2.33	59	1-1/16	1	1.33	34	•
20823-12-12	3/4	1-1/16x14	5/8	2.47	63	1-1/4	1-1/4	1.39	35	•

Notch on nut signifies SAE 45° flared fitting.

23223**Female PTT 30° - Swivel**

#									
Part Number	Thread inch		Hose I.D. inch	A inch mm		J inch	W inch	B inch mm	
23223-16-16	1	1-5/16x14	7/8	2.29	58	1-7/16	1-1/2	1.30	33
23223-20-20	1-1/4	1-5/8x14	1-1/8	2.62	67	1-3/4	2	1.58	40

23 Series

Mandrel Assembly Instructions

1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Care should be taken to ensure a square, clean cut is obtained. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out ½ turn.
2. When assembling male pipe ends, slide nipple onto mandrel.
3. When assembling swivel ends, slide swivel nut over nipple. Slide nut and nipple onto mandrel. Screw mandrel threads into nipple and wrench tighten.
4. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). **Do not oil hose cover.**
5. Push nipple into socket.
 - Male ends: Thread nipple in until it bottoms against socket.
 - Swivel ends: Thread nipple into socket using hex on assembly mandrel. Leave clearance of approximately 1/32" (.784mm) between nut and socket to allow nut to swivel. **Remove mandrel.**

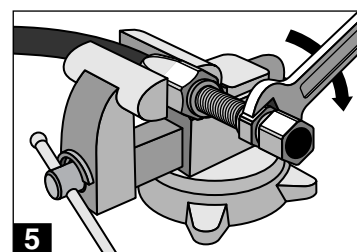
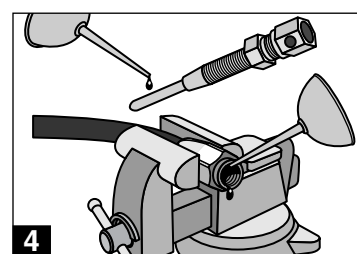
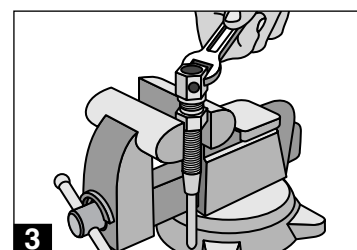
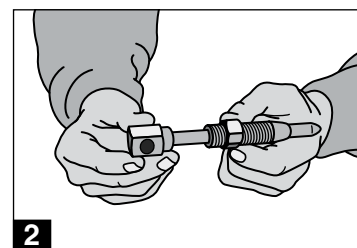
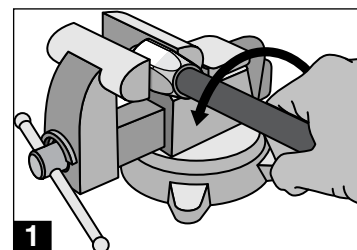
Note: Disassemble in reverse order.

Caution: Do Not Attempt to Assemble These Fittings to the Hose Without Using a Mandrel.

Inspection. Examine hose assembly internally for cut or bulged tube, obstructions and cleanliness. Clean ID of hose as necessary. Swivel nuts should turn freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the assembly to keep clean.

Special Instructions for Refrigerant Hose. Oil inside of hose and nipple threads liberally with the same oil used in refrigeration system. **Do not oil hose cover.** Do not allow hose to contact any petroleum base fluids.

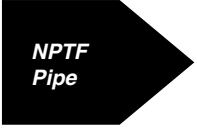
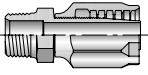
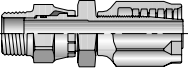

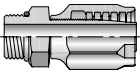

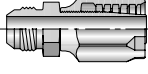
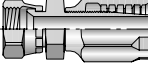
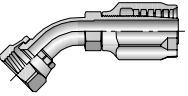
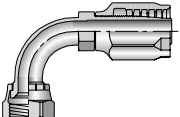
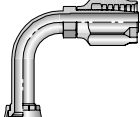

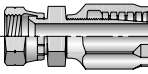

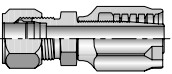
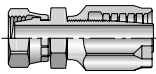

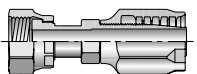
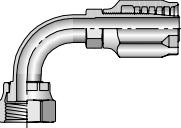
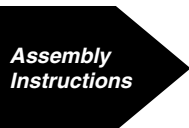
IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS DIVISION TECHNICAL SERVICES DEPARTMENT
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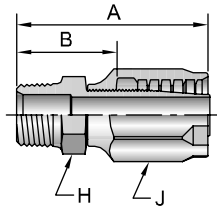
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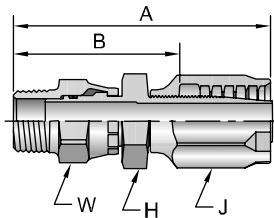
Use with 301, 381 hose.

 <p>NPTF Pipe</p>	<p>20130 B-158</p>  <p><i>Male - Rigid</i></p>	<p>21330 B-158</p>  <p><i>Male - Swivel</i></p>	 <p>Straight Thread</p>	<p>20530 B-158</p>  <p><i>Male - Rigid</i></p>	 <p>JIC 37°</p>
<p>20330 B-159</p>  <p><i>Male - Rigid</i></p>	<p>20630 B-159</p>  <p><i>Female - Swivel</i></p>	<p>23730 B-160</p>  <p><i>Female - Swivel 45° Elbow - Short</i></p>	<p>23930 B-160</p>  <p><i>Female - Swivel 90° Elbow - Short</i></p>	<p>24130 B-160</p>  <p><i>Female - Swivel 45° Elbow - Long</i></p>	 <p>SAE</p>
<p>20830 B-160</p>  <p><i>Female - Swivel</i></p>	 <p>Flareless</p>	<p>21130 B-161</p>  <p><i>Male - Rigid</i></p>	<p>21230 B-161</p>  <p><i>Female - Swivel</i></p>	 <p>Seal-Lok® O-Ring Face Seal</p>	<p>2JS30 B-161</p>  <p><i>Female - Swivel Long</i></p>
<p>2J930 B-161</p>  <p><i>Female - Swivel 90° Elbow - Short</i></p>	 <p>Assembly Instructions</p>	<p>30 Series Assembly Instructions B-162</p>			

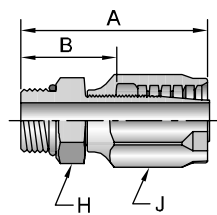
B





20130**Male NPTF Pipe - Rigid**

#								
Part Number	Thread	Hose I.D.	A		H	J	B	
	inch	inch	inch	mm	inch	inch	inch	mm
20130-2-3	1/8x27	3/16	2.01	51	1/2	3/4	1.23	31
20130-2-4	1/8x27	1/4	2.19	56	9/16	3/4	1.23	31
20130-4-4	1/4x18	1/4	2.38	60	9/16	3/4	1.42	36
20130-4-6	1/4x18	3/8	2.58	66	11/16	15/16	1.44	37
20130-6-4	3/8x18	1/4	2.38	60	3/4	3/4	1.41	36
20130-6-6	3/8x18	3/8	2.58	66	3/4	15/16	1.44	37
20130-6-8	3/8x18	1/2	2.92	74	7/8	1-1/16	1.58	40
20130-8-6	1/2x14	3/8	2.77	70	7/8	15/16	1.63	41
20130-8-8	1/2x14	1/2	3.11	79	7/8	1-1/16	1.77	45
20130-12-12	3/4x14	3/4	3.20	81	1-1/8	1-3/8	1.77	45
20130-16-16	1x11-1/2	1	3.74	95	1-3/8	1-3/4	2.03	52
20130-20-20	1-1/4x11-1/2	1-1/4	4.59	117	1-3/4	2-1/4	2.46	62

21330**Male NPTF Pipe - Swivel**





#									
Part Number	Thread	Hose I.D.	A		H	J	W	B	
	inch	inch	inch	mm	inch	inch	inch	inch	mm
21330-4-4	1/4x18	1/4	3.42	87	9/16	3/4	5/8	2.46	62
21330-6-6	3/8x18	3/8	3.67	93	7/8	15/16	3/4	2.53	64
21330-8-8	1/2x14	1/2	4.20	107	1	1-1/16	7/8	2.86	73
21330-12-12	3/4x14	3/4	4.30	109	1	1-3/8	1	2.87	73
21330-16-16	1x11-1/2	1	4.93	125	1-1/2	1-3/4	1-1/2	3.22	82

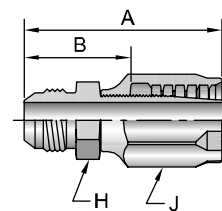
20530**Male SAE Straight Thread with O-Ring - Rigid**

# Part Number	 Thread		 Hose I.D.	A		 H	 J	B	
	inch		inch	inch	mm	inch	inch	inch	mm
20530-4-4	1/4	7/16x20	1/4	2.22	56	9/16	3/4	1.26	32
20530-6-6	3/8	9/16x18	3/8	2.45	62	11/16	15/16	1.31	33
20530-8-8	1/2	3/4x16	1/2	2.87	73	7/8	1-1/16	1.53	39

20330






Male JIC 37° - Rigid

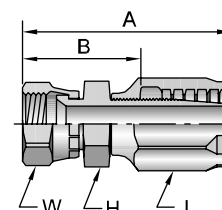
# Part Number	 Thread inch		 Hose I.D. inch	A		 H inch	 J inch	B	
				inch	mm			inch	mm
20330-4-4	1/4	7/16x20	1/4	2.37	60	9/16	3/4	1.41	36
20330-5-4	5/16	1/2x20	1/4	2.37	60	9/16	3/4	1.41	36
20330-6-4	3/8	9/16x18	1/4	2.38	60	5/8	3/4	1.42	36
20330-6-6	3/8	9/16x18	3/8	2.58	66	3/4	15/16	1.44	37
20330-8-6	1/2	3/4x16	3/8	2.68	68	13/16	15/16	1.54	39
20330-8-8	1/2	3/4x16	1/2	3.02	77	7/8	1-1/16	1.68	43
20330-10-8	5/8	7/8x14	1/2	3.12	79	15/16	1-1/16	1.78	45
20330-10-10	5/8	7/8x14	5/8	3.29	84	15/16	1-1/4	1.83	46
20330-12-12	3/4	1-1/16x12	3/4	3.31	84	1-1/8	1-3/8	1.88	48
20330-16-16	1	1-5/16x12	1	3.71	94	1-3/8	1-3/4	2	51



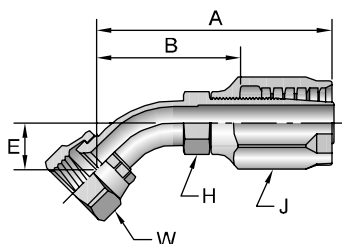
20630

Female JIC 37° - Swivel

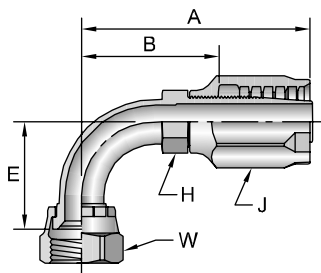
# Part Number	 Thread inch		 Hose I.D. inch	A		 H inch	 J inch	 W inch	B		Additional Material Stainless Steel (C)
				inch	mm				inch	mm	
20630-4-3	1/4	7/16x20	3/16	2.27	58	9/16	3/4	9/16	1.49	38	
20630-4-4	1/4	7/16x20	1/4	2.45	62	9/16	3/4	9/16	1.49	38	•
20630-5-4	5/16	1/2x20	1/4	2.52	64	5/8	3/4	5/8	1.56	40	
20630-6-4	3/8	9/16x18	1/4	2.54	65	11/16	3/4	11/16	1.58	40	•
20630-6-6	3/8	9/16x18	3/8	2.74	70	11/16	15/16	11/16	1.60	41	•
20630-8-6	1/2	3/4x16	3/8	2.86	73	7/8	15/16	7/8	1.72	44	•
20630-8-8	1/2	3/4x16	1/2	3.20	81	7/8	1-1/16	7/8	1.86	47	•
20630-10-8	5/8	7/8x14	1/2	3.30	84	1	1-1/16	1	1.96	50	
20630-10-10	5/8	7/8x14	5/8	3.54	90	1	1-1/4	1	2.08	53	
20630-10-12	5/8	7/8x14	3/4	3.40	86	1-1/8	1-3/8	1	1.97	50	
20630-12-8	3/4	1-1/16x12	1/2	3.47	88	1-1/4	1-1/16	1-1/4	2.13	54	
20630-12-10	3/4	1-1/16x12	5/8	3.64	92	1-1/4	1-1/4	1-1/4	2.18	55	
20630-12-12	3/4	1-1/16x12	3/4	3.50	89	1-1/4	1-3/8	1-1/4	2.07	53	•
20630-14-12	7/8	1-3/16x12	3/4	3.50	89	1-3/8	1-3/8	1-3/8	2.07	53	
20630-16-12	1	1-5/16x12	3/4	3.59	91	1-1/2	1-3/4	1-1/2	2.16	55	
20630-16-16	1	1-5/16x12	1	3.94	100	1-1/2	1-3/4	1-1/2	2.23	57	
20630-20-16	1-1/4	1-5/8x12	1	4.17	106	2	1-3/4	2	2.46	62	
20630-20-20	1-1/4	1-5/8x12	1-1/4	4.96	126	2	2-1/4	2	2.83	72	
20630-24-24	1-1/2	1-7/8x12	1-1/2	5.26	134	2-1/4	2-1/2	2-1/4	3.05	77	
20630-32-32	2	2-1/2x12	2	6.42	163	2-7/8	3	2-7/8	3.92	100	



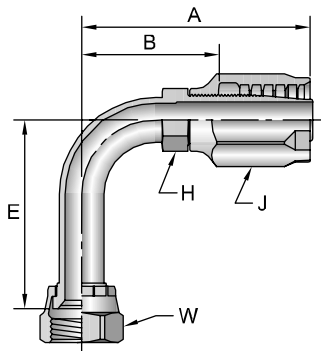
B

23730**Female JIC 37° - Swivel - 45° Elbow - Short Drop**

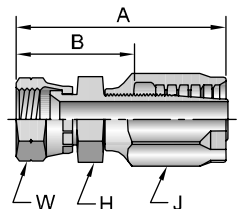
#												
Part Number	Thread	Hose I.D.	A	E	H	J	W	B				
	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
23730-4-4	1/4 7/16x20	1/4	2.70	69	0.33	8	7/16	3/4	9/16	1.74	44	
23730-6-6	3/8 9/16x18	3/8	3.01	76	0.39	10	9/16	15/16	11/16	1.87	47	
23730-8-8	1/2 3/4x16	1/2	3.55	90	0.55	14	11/16	1-1/16	7/8	2.21	56	
23730-10-8	5/8 7/8x14	1/2	3.61	92	0.65	17	13/16	1-1/16	1	2.27	58	
23730-12-12	3/4 1-1/16x12	3/4	3.93	100	0.79	20	15/16	1-3/8	1-1/4	2.50	64	
23730-16-16	1 1-5/16x12	1	4.51	115	0.90	23	1-1/4	1-3/4	1-1/2	2.80	71	

23930**Female JIC 37° - Swivel - 90° Elbow - Short Drop**

#												
Part Number	Thread	Hose I.D.	A	E	H	J	W	B				
	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
23930-4-4	1/4 7/16x20	1/4	2.52	64	0.83	21	7/16	3/4	9/16	1.56	40	
23930-6-6	3/8 9/16x18	3/8	2.91	74	0.85	22	9/16	15/16	11/16	1.77	45	
23930-8-6	1/2 3/4x16	3/8	3.04	77	1.09	28	11/16	15/16	7/8	1.90	48	
23930-8-8	1/2 3/4x16	1/2	3.32	84	1.09	28	11/16	1-1/16	7/8	1.98	50	
23930-10-8	5/8 7/8x14	1/2	3.46	88	1.24	31	13/16	1-1/16	1	2.12	54	
23930-12-12	3/4 1-1/16x12	3/4	3.86	98	1.81	46	15/16	1-3/8	1-1/4	2.43	62	
23930-16-16	1 1-5/16x12	1	4.48	114	2.14	54	1-1/4	1-3/4	1-1/2	2.77	70	

24130**Female JIC 37° - Swivel - 90° Elbow - Long Drop**

#												
Part Number	Thread	Hose I.D.	A	E	H	J	W	B				
	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
24130-6-6	3/8 9/16x18	3/8	2.90	74	2.18	55	9/16	15/16	11/16	1.76	45	
24130-8-8	1/2 3/4x16	1/2	3.39	86	2.43	62	11/16	1-1/16	7/8	2.05	52	

20830**Female SAE 45° - Swivel**

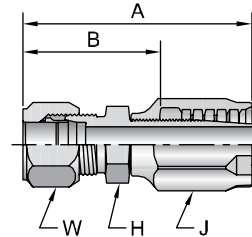
#												
Part Number	Thread	Hose I.D.	A	H	J	W	B					
	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
20830-6-6	3/8 5/8x18	3/8	2.81	71	3/4	15/16	3/4	1.67	42			

Notch on nut signifies SAE 45° flare.

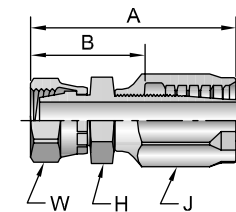
21130**Male Ferulok Flareless - Rigid -
(24° Cone with Nut and Ferrule)**

#				A		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	inch	inch	inch	mm
21130-16-16	1 1-5/16x12	1		4.15	105	1-3/8	1-3/4	1-1/2	2.44	62

The Parker Ferrul-Fix fitting makes it possible to salvage the bent tube section from a hose assembly for quick, easy on-the-job repairs. For additional information see Ferrule-Fix installation instructions in the Technical Section.

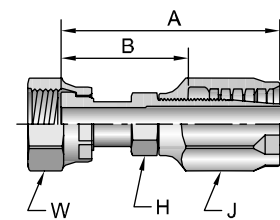
**21230****Female Ferulok Flareless - Swivel - (24° Cone)**

#				A		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	inch	inch	inch	mm
21230-4-4	1/4 7/16x20	1/4		2.62	67	9/16	3/4	9/16	1.66	42
21230-6-6	3/8 9/16x18	3/8		2.94	75	11/16	15/16	11/16	1.80	46
21230-8-6	1/2 3/4x16	3/8		3.16	80	7/8	15/16	7/8	2.02	51
21230-8-8	1/2 3/4x16	1/2		3.44	87	7/8	1-1/16	7/8	2.10	53
21230-12-12	3/4 1-1/16x12	3/4		3.86	98	1-1/4	1-3/8	1-1/4	2.43	62

**2JS30****Female Seal-Lok® - Swivel - Long**

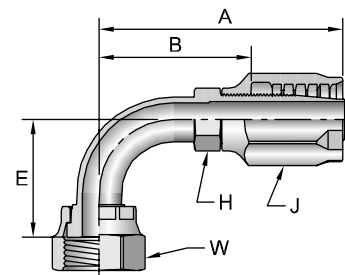
ISO 12151-1 - SWSB

#				A		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	inch	inch	inch	mm
2JS30-4-4	1/4 9/16x18	1/4		2.62	67	9/16	3/4	11/16	1.66	42
2JS30-6-6	3/8 11/16x16	3/8		2.89	73	9/16	15/16	13/16	1.75	44
2JS30-8-8	1/2 13/16x16	1/2		3.32	84	11/16	1-1/16	15/16	1.98	50
2JS30-12-12	3/4 1-3/16x12	3/4		3.65	93	15/16	1-3/8	1-3/8	2.22	56

**2J930****Female Seal-Lok® - Swivel - 90° Elbow - Short Drop**

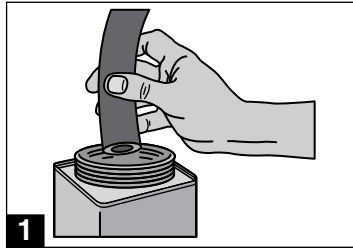
ISO 12151-1 - SWES90

#				A		E		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	inch	inch	inch	inch	mm
2J930-4-4	1/4 9/16x18	1/4		2.83	72	0.82	21	7/16	3/4	11/16	1.87	47
2J930-6-6	3/8 11/16x16	3/8		2.91	74	0.90	23	9/16	15/16	13/16	1.77	45
2J930-8-8	1/2 13/16x16	1/2		3.31	84	1.15	29	11/16	1-1/16	15/16	1.97	50
2J930-10-10	5/8 1x14	5/8		3.57	91	1.27	32	7/8	1-1/4	1-1/8	2.11	54
2J930-12-12	3/4 1-3/16x12	3/4		3.71	94	1.85	47	15/16	1-3/8	1-3/8	2.28	58

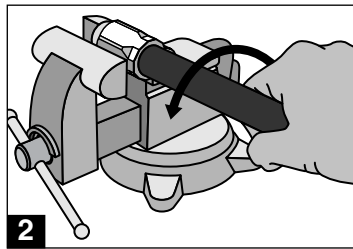


See Accessories Section for O-Rings.

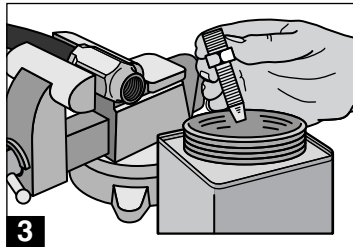
30 Series Hose Assembly Instructions



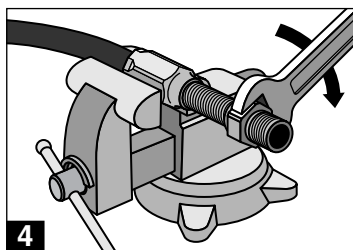
1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Dip hose end into Hoze-Oil (See Section C) or heavy oil.



2. Place socket in vice and screw in hose counter-clockwise until hose bottoms. Back hose out 1/2 turn.



3. Dip hose end of nipple into Hoze-Oil or other heavy oil up to the hex. When assembling fittings of 316 stainless steel lubricate the threads of both the socket and nipple with Dow Corning Molykote G-n or equivalent metal assembly lubricant.



4. Screw nipple assembly into socket using wrench on nipple hex until nipple hex shoulders against socket.

Note: Disassemble in reverse order.

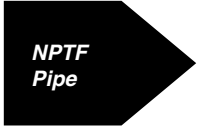
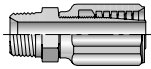
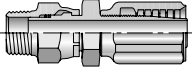

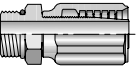

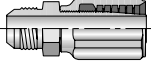
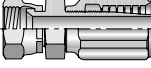
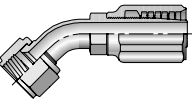
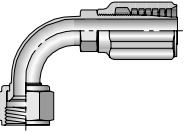


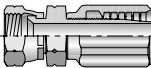

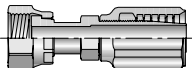
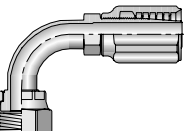

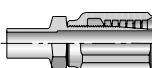
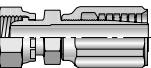
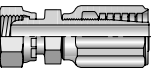

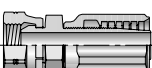
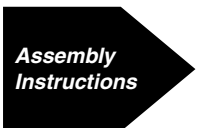
IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS
OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS
CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS
DIVISION TECHNICAL SERVICES DEPARTMENT

PHONE: 02 9842 5110

FAX: 02 9842 5111

<http://www.parkerhose.com>

Use with 421, 431, 436 hoses.

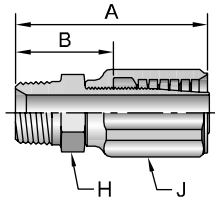
 NPTF Pipe	20142 B-164  <i>Male - Rigid</i>	21342 B-164  <i>Male - Swivel</i>	 SAE	20542 B-164  <i>Male - Rigid</i>	 JIC 37°
20342 B-165  <i>Male - Rigid</i>	20642 B-165  <i>Female - Swivel</i>	23742 B-166  <i>Female - Swivel 45° Elbow - Short</i>	23942 B-166  <i>Female - Swivel 90° Elbow - Short</i>	24142 B-166  <i>Female - Swivel 45° Elbow - Long</i>	 SAE
20842 B-166  <i>Female - Swivel</i>	 Seal-Lok® O-Ring Face Seal	2JS42 B-167  <i>Female - Swivel Long</i>	2J942 B-167  <i>Female - Swivel 90° Elbow - Short</i>	 Metric L & S	21D42 B-167  <i>Male Standpipe Rigid</i>
2C342 B-168  <i>Female - Swivel</i>	2C642 B-168  <i>Female - Swivel</i>	 BSP	29242 B-168  <i>Female - Swivel</i>	 Assembly Instructions	42 Series Assembly Instructions B-169

B

Use with 421, 431, 436 hoses.

20142

Male NPTF Pipe - Rigid

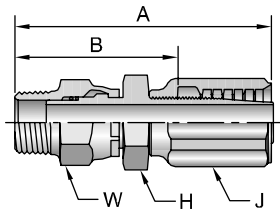




#								
Part Number	Thread	Hose I.D.	A		H	J	B	
	inch	inch	inch	mm	inch	inch	inch	mm
20142-2-3	1/8x27	3/16	2.09	53	1/2	5/8	1.31	33
20142-2-4	1/8x27	1/4	2.17	55	9/16	11/16	1.25	32
20142-4-3	1/4x18	3/16	2.28	58	9/16	5/8	1.50	38
20142-4-4	1/4x18	1/4	2.36	60	9/16	11/16	1.44	37
20142-4-5	1/4x18	5/16	2.39	61	9/16	13/16	1.44	37
20142-4-6	1/4x18	3/8	2.60	66	11/16	7/8	1.45	37
20142-6-6	3/8x18	3/8	2.60	66	3/4	7/8	1.45	37
20142-8-8	1/2x14	1/2	3.02	77	7/8	1	1.69	43
20142-8-10	1/2x14	5/8	3.29	84	15/16	1-1/8	1.87	47
20142-12-12	3/4x14	3/4	3.23	82	1-1/8	1-3/8	1.75	44
20142-16-16	1x11-1/2	1	3.61	92	1-3/8	1-5/8	2.07	53

B

21342

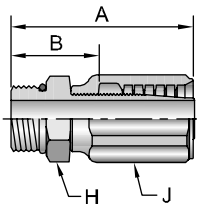
Male NPTF Pipe - Swivel



#			A		H	J	W	B	
Part Number	Thread	Hose I.D.	inch	mm	inch	inch	inch	inch	mm
21342-4-4	1/4x18	1/4	3.40	86	9/16	11/16	5/8	2.48	63
21342-6-6	3/8x18	3/8	3.69	94	7/8	7/8	3/4	2.54	65

20542

Male SAE Straight Thread with O-Ring - Rigid







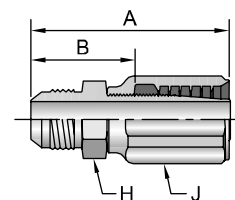
#								
Part Number	Thread	Hose I.D.	A		H	J	B	
	inch	inch	inch	mm	inch	inch	inch	mm
20542-4-4	1/4 7/16X20	1/4	2.2	56	9/16	11/16	1.28	33
20542-6-6	3/8 9/16x18	3/8	2.47	63	11/16	7/8	1.32	34
20542-8-8	1/2 3/4X16	1/2	2.78	71	7/8	1	1.45	37






O-Rings are not compatible with Phosphate Ester fluids.

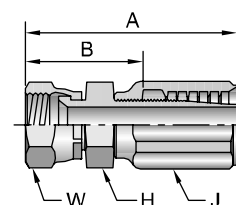
Use with 421, 431, 436 hoses.

20342**Male JIC 37° - Rigid**

# Part Number	 Thread		 Hose I.D.	A		 H	 J	B	
	inch	inch		inch	mm	inch	inch	inch	mm
20342-4-4	1/4	7/16x20	1/4	2.35	60	9/16	11/16	1.43	36
20342-6-4	3/8	9/16x18	1/4	2.36	60	5/8	11/16	1.44	36
20342-6-5	3/8	9/16x18	5/16	2.39	61	5/8	13/16	1.43	36
20342-6-6	3/8	9/16x18	3/8	2.60	66	3/4	7/8	1.45	37
20342-8-6	1/2	3/4x16	3/8	2.70	69	13/16	7/8	1.55	39
20342-8-8	1/2	3/4x16	1/2	2.93	74	7/8	1	1.60	41
20342-10-10	5/8	7/8x14	5/8	3.24	82	15/16	1-1/8	1.82	46
20342-12-12	3/4	1-1/16x12	3/4	3.34	85	1-1/8	1-3/8	1.86	47
20342-16-16	1	1-5/16x12	1	3.58	91	1-3/8	1-5/8	2.04	52

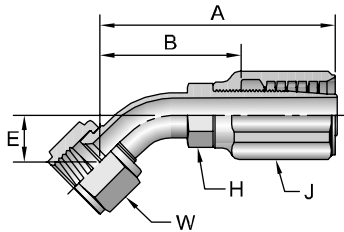
**20642****Female JIC 37° - Swivel**

# Part Number	 Thread		 Hose I.D.	A		 H	 J	 W	B		Additional Material Stainless Steel (C)
	inch	inch		inch	mm	inch	inch	inch	inch	mm	
20642-4-3	1/4	7/16x20	3/16	2.34	59	9/16	5/8	9/16	1.56	40	
20642-4-4	1/4	7/16x20	1/4	2.43	62	9/16	11/16	9/16	1.51	38	
20642-5-4	5/16	1/2x20	1/4	2.50	64	5/8	11/16	5/8	1.58	40	
20642-6-4	3/8	9/16x18	1/4	2.52	64	11/16	11/16	11/16	1.60	41	
20642-6-5	3/8	9/16x18	5/16	2.55	65	11/16	13/16	11/16	1.60	41	
20642-6-6	3/8	9/16x18	3/8	2.76	70	11/16	7/8	11/16	1.61	41	•
20642-8-6	1/2	3/4x16	3/8	2.88	73	7/8	7/8	7/8	1.73	44	
20642-8-8	1/2	3/4x16	1/2	3.11	79	7/8	1	7/8	1.78	45	•
20642-10-8	5/8	7/8x14	1/2	3.21	82	1	1	1	1.88	48	
20642-10-10	5/8	7/8x14	5/8	3.49	89	1	1-1/8	1	2.07	53	
20642-10-12	5/8	7/8x14	3/4	3.43	87	1-1/8	1-3/8	1	1.95	50	
20642-12-12	3/4	1-1/16x12	3/4	3.53	90	1-1/4	1-3/8	1-1/4	2.05	52	
20642-16-12	1	1-5/16x12	3/4	3.62	92	1-1/2	1-3/8	1-1/2	2.14	54	
20642-16-16	1	1-5/16x12	1	3.81	97	1-1/2	1-5/8	1-1/2	2.27	58	
20642-20-16	1-1/4	1-5/8x12	1	4.04	103	2	1-5/8	2	2.50	64	

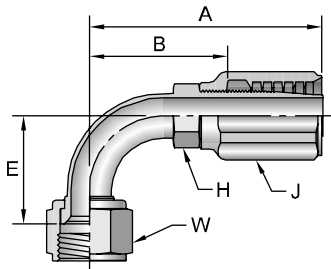


B

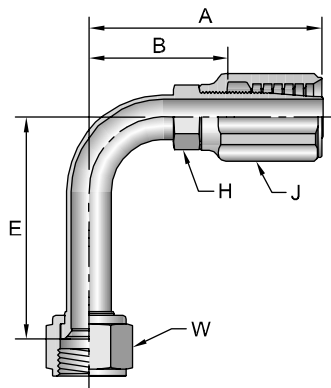
Use with 421, 431, 436 hoses.

23742**Female JIC 37° - Swivel - 45° Elbow - Short Drop**

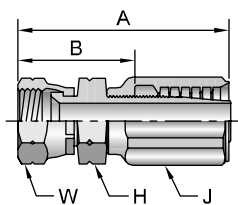
#				A		E		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	inch	inch	inch	inch	mm
23742-4-4	1/4 7/16x20	1/4		2.68	68	0.33	8	7/16	11/16	9/16	1.76	45
23742-6-6	3/8 9/16x18	3/8		3.03	77	0.39	10	9/16	7/8	11/16	1.88	48
23742-8-8	1/2 3/4x16	1/2		3.46	88	0.55	14	11/16	1	7/8	2.13	54
23742-16-16	1 1-5/16x12	1		4.38	111	0.90	23	1-1/4	1-5/8	1-1/2	2.84	72

23942**Female JIC 37° - Swivel - 90° Elbow - Short Drop**

#				A		E		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	inch	inch	inch	inch	mm
23942-4-4	1/4 7/16x20	1/4		2.50	64	0.83	21	7/16	11/16	9/16	1.58	40
23942-6-6	3/8 9/16x18	3/8		2.93	74	0.85	22	9/16	7/8	11/16	1.78	45
23942-8-6	1/2 3/4x16	3/8		3.06	78	1.09	28	11/16	7/8	7/8	1.91	49
23942-8-8	1/2 3/4x16	1/2		3.22	82	1.09	28	11/16	1	7/8	1.90	48
23942-10-8	5/8 7/8x14	1/2		3.37	86	1.24	31	13/16	1	1	2.04	52
23942-12-12	3/4 1-1/16x12	3/4		3.89	99	1.81	46	15/16	1-3/8	1-1/4	2.41	61
23942-16-16	1 1-5/16x12	1		4.35	110	2.14	54	1-1/4	1-5/8	1-1/2	2.81	71

24142**Female JIC 37° - Swivel - 90° Elbow - Long Drop**

#				A		E		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	mm	inch	inch	inch	inch	mm
24142-6-6	3/8 9/16x18	3/8		2.92	74	2.18	55	9/16	7/8	11/16	1.77	45
24142-8-8	1/2 3/4x16	1/2		3.30	84	2.43	62	11/16	1	7/8	1.97	50
24142-10-8	5/8 7/8x14	1/2		3.44	87	2.57	65	13/16	1	1	2.11	54

20842**Female SAE 45° - Swivel**

#				A		H	J	W	B	
Part Number	Thread	Hose I.D.		inch	mm	inch	inch	inch	inch	mm
20842-6-6	3/8 5/8x18	3/8		2.82	72	3/4	7/8	3/4	1.67	42

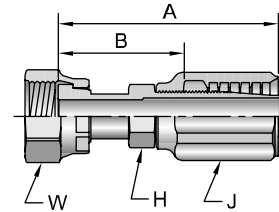
Notch on nut signifies SAE 45° flare.

Use with 421, 431, 436 hoses.

2JS42**Female Seal-Lok® - Swivel - Long**

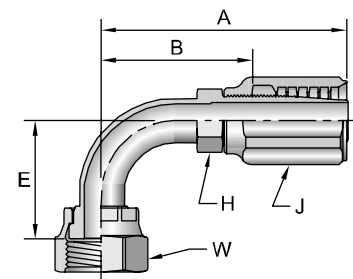
ISO - 12151-1 - SWSB

#										
Part Number	Thread	Hose I.D.	A		H	J	W	B		
	inch	inch	inch	mm	inch	inch	inch	inch	mm	
2JS42-4-4	1/4	9/16-18	1/4	2.60	66	9/16	11/16	11/16	1.68	43
2JS42-6-6	3/8	11/16x16	3/8	2.91	74	9/16	7/8	13/16	1.76	45
2JS42-8-8	1/2	13/16x16	1/2	3.23	82	11/16	1	15/16	1.90	48

**2J942****Female Seal-Lok® - Swivel - 90° Elbow - Short Drop**

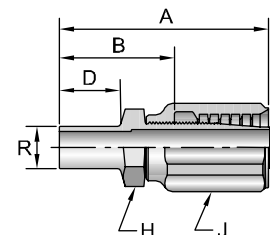
ISO 12151-1 - SWES90

#										
Part Number	Thread	Hose I.D.	A		E	H	J	W	B	
	inch	inch	inch	mm	inch	mm	inch	inch	inch	mm
2J942-4-4	1/4	9/16x18	2.81	71	0.78	20	7/16	11/16	11/16	1.89
2J942-6-6	3/8	11/16x16	2.93	74	0.90	23	9/16	7/8	13/16	1.78
2J942-8-8	1/2	13/16x16	3.22	82	1.15	29	11/16	1	15/16	1.89

**21D42****Male Standpipe Metric L - Rigid**

ISO 8434-1

#										
Part Number	R	Hose I.D.	A		D		H	J	B	
	mm	inch	inch	mm	inch	mm	mm	inch	inch	mm
21D42-6-4	6	1/4	2.56	65	0.87	22	14	11/16	1.57	40
21D42-8-4	8	1/4	2.56	65	0.87	22	14	11/16	1.57	40
21D42-10-5	10	5/16	2.68	68	0.91	23	14	13/16	1.65	42
21D42-10-6	10	3/8	2.80	71	0.91	23	17	7/8	1.65	42
21D42-12-6	12	3/4	2.80	71	0.91	23	17	7/8	1.65	42
21D42-15-8	15	1/2	3.15	80	0.98	25	19	1	1.89	48
21D42-18-10	18	5/8	3.46	88	1.02	26	24	1-1/8	2.09	53
21D42-18-12	18	3/4	3.39	86	1.02	26	27	1-3/8	1.81	46
21D42-22-12	22	3/4	3.46	88	1.10	28	27	1-3/8	1.89	48
21D42-28-16	28	1	4.09	104	1.18	30	32	1-5/8	2.28	58

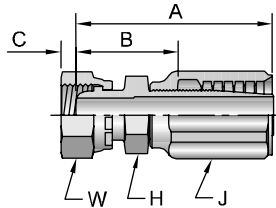


Metric L: Mates with EO "L" Series Fittings.
See Accessories Section for O-Rings.

Use with 421, 431, 436 hoses.

2C342**Female Metric L - Swivel - (Ball Nose)**

ISO 8434-1

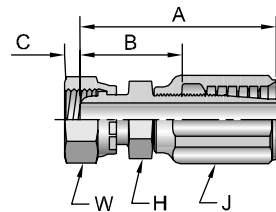


#				A		C					B	
Part Number	Thread mm	Hose I.D. inch		inch	mm	inch	mm	H mm	J inch	W mm	inch	mm
2C342-6-4	6 M12x1,5	1/4	2.40	61	0.09	2	14	11/16	14	1.42	36	
2C342-8-4	8 M14x1,5	1/4	2.44	62	0.11	3	14	11/16	17	1.46	37	
2C342-10-5	10 M16x1,5	5/16	2.91	74	0.06	2	17	13/16	19	1.91	49	
2C342-10-6	10 M16x1,5	3/8	2.83	72	0.06	2	17	7/8	19	1.74	44	
2C342-12-6	12 M18x1,5	3/8	2.72	69	0.10	3	19	7/8	22	1.63	41	
2C342-15-8	15 M22x1,5	1/2	3.11	79	0.17	4	22	1	27	1.81	46	
2C342-18-10	18 M26x1,5	5/8	3.39	86	0.10	3	27	1-1/8	32	1.97	50	
2C342-18-12	18 M26x1,5	3/4	3.31	84	0.10	3	27	1-3/8	32	1.76	45	
2C342-22-12	22 M30x2	3/4	3.58	91	0.18	5	30	1-3/8	36	2.03	52	
2C342-28-16	28 M36x2	1	4.25	108	0.22	6	36	1-5/8	46	2.59	66	

B

2C642**Female Metric S - Swivel - (Ball Nose)**

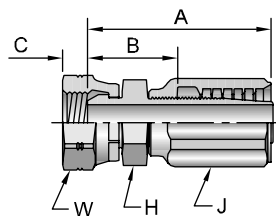
ISO 8434-1



#			A		C					B	
Part Number	Thread mm	Hose I.D. inch	inch	mm	inch	mm	H mm	J inch	W mm	inch	mm
2C642-12-6	12 M20x1,5	3/8	2.72	69	0.08	2	19	7/8	24	1.61	41

29242**Female BSP Parallel Pipe - Swivel - (60° Cone)**

ISO 228-1



#			A		C					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	H mm	J inch	W mm	inch	mm
29242-8-8	1/2x14	1/2	3.31	84	0.28	7	22	1	27	2.01	51

Metric L: Mates with EO "L" Series Fittings.

Metric S: Mates with EO "S" Series Fittings.

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

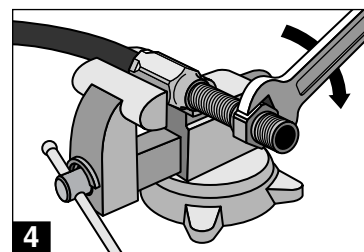
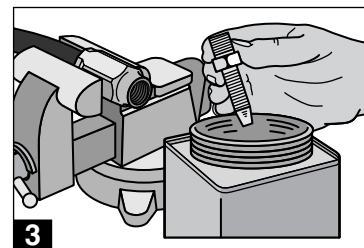
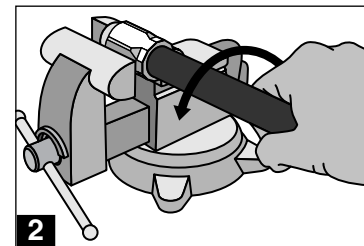
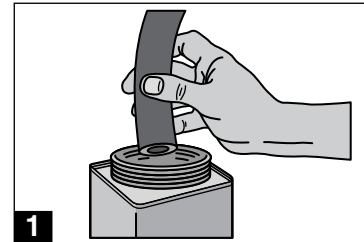
42 Series

Hose Assembly Instructions





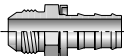
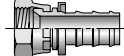
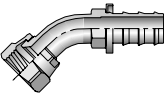
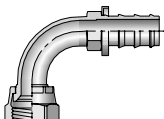
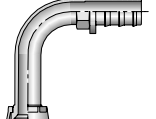


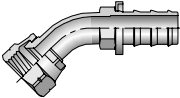
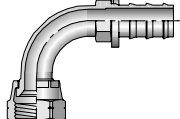
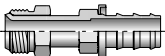
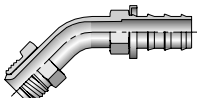
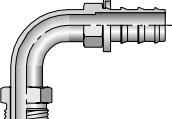

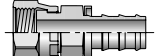
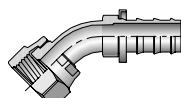
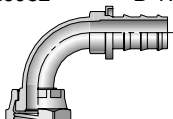
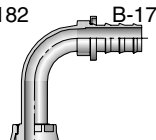
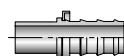
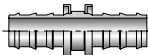





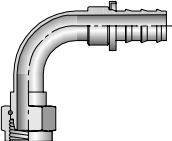
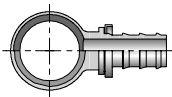


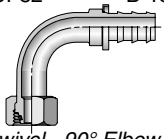
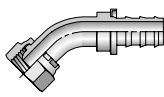
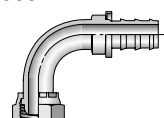
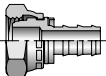
1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Dip hose end into Hoze-Oil (See Section C) or heavy oil.
2. Place socket in vice and screw in hose counter-clockwise until hose bottoms. Back hose out 1/2 turn.
3. Dip hose end of nipple into Hoze-Oil or other heavy oil up to the hex. When assembling fittings of 316 stainless steel lubricate the threads of both the socket and nipple with Dow Corning Molykote G-n or equivalent metal assembly lubricant.
4. Screw assembly into socket using wrench on nipple hex until nipple hex shoulders against socket.

Note: Disassemble in reverse order.

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS
OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS
CATALOG, PLEASE CALL:
PARKER HOSE PRODUCTS DIVISION
TECHNICAL SERVICES DEPARTMENT
PHONE: 02 9842 5110
FAX: 02 9842 5111
<http://www.parkerhose.com>



Use with 801, 821, 821FR, 836 hoses.

NPTF Pipe	30182 B-172  Male - Rigid	31382 B-172  Male - Swivel	30282 B-173  Female - Rigid	NPSM Pipe	37G82 B-173  Female - Swivel Gasket Joint
JIC 37°	30382 B-173  Male - Rigid	30682 B-174  Female - Swivel	33782 B-174  Female - Swivel 45° Elbow - Short	33982 B-174  Female - Swivel 90° Elbow - Short	34182 B-174  Female - Swivel 90° Elbow - Long
SAE	30482 B-175  Male - Rigid	30882 B-175  Female - Swivel	37782 B-175  Female - Swivel 45° Elbow	37982 B-175  Female - Swivel 90° Elbow	Inverted SAE
32882 B-176  Male - Swivel	36782 B-176  Male - Swivel 45° Elbow	36982 B-176  Male - Swivel 90° Elbow	32982 B-176  Female - Rigid	Seal-Lok® O-Ring Face Seal	3JC82 B-177  Female - Swivel Short
3J782 B-177  Female - Swivel 45° Elbow	3J982 B-177  Female - Swivel 90° Elbow - Short	3J182 B-177  Female - Swivel 90° Elbow - Long	Standpipe	33482 B-178  Male - Rigid	Union
38282 B-178  Push-Lok Union	Metric L	3D082 B-178  Male - Rigid	31D82 B-178  Male Standpipe Rigid	BSP	39182 B-179  Male BSP Taper - Rigid
39282 B-179  Female - Swivel	3D982 B-179  Male - Rigid	3B282 B-180  Female - Swivel 90° Elbow	Banjo	34982 B-180  Metric - Banjo	AM B-180  Banjo Bolt
Metric L Swivels	3CA82 B-181  Swivel - 24° Cone	3CF82 B-181  Swivel - 90° Elbow - 24° Cone	3C482 B-181  Swivel - 45° Elbow - Ball Nose	3C582 B-182  Swivel - 90° Elbow - Ball Nose	3C382 B-182  Swivel - Ball Nose

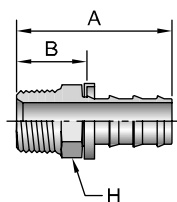
Use with 801, 821, 821FR, 836 hoses.




	<div>Push-Lok Kits B-183</div> <div>Push-Lok Merchandiser B-184</div> <div>Push-Lok Hose and Fitting Kits</div> <div>Push-Lok Hose and Fitting Display Case</div>		<div>82 Series Assembly Instructions B-185</div>
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Use with 801, 821, 821FR, 836 hoses.

30182

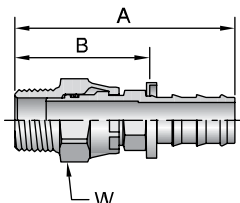
Male NPTF Pipe - Rigid






# Part Number	 Thread inch	 Hose I.D. inch	A		 H	B		Additional Material	
			inch	mm		inch	mm	Brass (B)	Stainless Steel (C)
30182-2-4	1/8x27	1/4	1.39	35	7/16	0.64	16	•	•
30182-4-4	1/4x18	1/4	1.57	40	9/16	0.82	21	•	•
30182-4-6	1/4x18	3/8	1.78	45	9/16	0.88	22	•	•
30182-4-8	1/4x18	1/2	1.93	49	5/8	0.88	22	•	•
30182-6-6	3/8x18	3/8	1.78	45	11/16	0.88	22	•	•
30182-6-8	3/8x18	1/2	1.93	49	11/16	0.88	22	•	•
30182-8-6	1/2x14	3/8	2.03	52	7/8	1.13	29	•	•
30182-8-8	1/2x14	1/2	2.18	55	7/8	1.13	29	•	•
30182-8-10	1/2x14	5/8	2.58	66	7/8	1.13	29	•	•
30182-8-12	1/2x14	3/4	2.58	66	7/8	1.13	29	•	•
30182-12-8	3/4x14	1/2	2.21	56	3/4	1.16	29	•	•
30182-12-10	3/4x14	5/8	2.61	66	1-1/16	1.16	29	•	•
30182-12-12	3/4x14	3/4	2.61	66	1-1/16	1.16	29	•	•
30182-16-16	1x11-1/2	1	3.06	78	1-3/8	1.61	41	•	•

31382

Male NPTF Pipe - Swivel



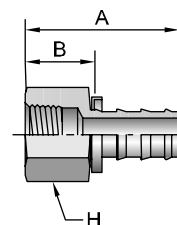
# Part Number	 Thread inch	 Hose I.D. inch	A		 W	B		Additional Material Brass (B)
			inch	mm		inch	mm	
31382-4-4	1/4x18	1/4	1.60	41	9/16	0.85	22	
31382-6-6	3/8x18	3/8	1.79	45	11/16	0.89	23	
31382-8-8	1/2x14	1/2	2.20	56	7/8	1.15	29	
31382-8-10	1/2x14	5/8	3.50	90	7/8	2.05	52	•
31382-12-12	3/4x14	3/4	3.70	94	1-1/4	2.25	57	

O-Ring not compatible with Phosphate Ester fluids.

Use with 801, 821, 821FR, 836 hoses.

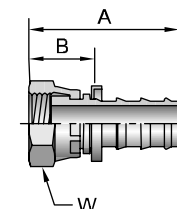
30282**Female NPTF Pipe - Rigid**

#			A			B		Additional Material Brass (B)
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm	
30282-4-4	1/4x18	1/4	1.56	40	3/4	0.81	21	•
30282-6-6	3/8x18	3/8	1.82	46	7/8	0.92	23	•
30282-8-8	1/2x14	1/2	2.16	55	1-1/16	1.11	28	•

**37G82****Female NPSM Pipe - Gasket Joint - Swivel**

#				A			B	
Part Number	Gasket	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm
37G82-4-4	07G-4	1/4x18	1/4	1.55	39	11/16	0.80	20
37G82-4-6	07G-4	1/4x18	3/8	1.70	43	11/16	0.80	20
37G82-6-6	07G-6	3/8x18	3/8	1.75	44	7/8	0.85	22
37G82-8-8	07G-8	1/2x14	1/2	2.07	53	1	1.02	26
37G82-8-10	07G-8	1/2x14	5/8	2.47	63	1	1.02	26
37G82-12-12	07G-12	3/4x14	3/4	2.54	65	1-1/4	1.09	28

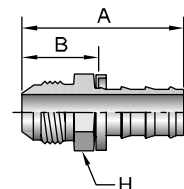
Textile gasket included with fitting.

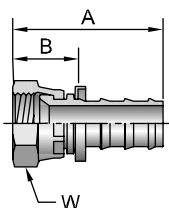


B

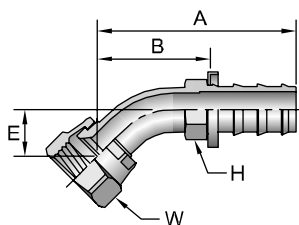
30382**Male JIC 37° - Rigid**

#			A			B		Additional Material Brass (B)
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm	
30382-4-4	1/4 7/16x20	1/4	1.56	40	1/2	0.81	21	
30382-5-4	5/16 1/2x20	1/4	1.59	40	9/16	0.84	21	
30382-6-6	3/8 9/16x18	3/8	1.78	45	5/8	0.88	22	•
30382-8-8	1/2 3/4x16	1/2	2.06	52	3/4	1.01	26	
30382-10-10	5/8 7/8x14	5/8	2.62	67	7/8	1.17	30	
30382-12-12	3/4 1-1/16x12	3/4	2.72	69	1-1/8	1.27	32	

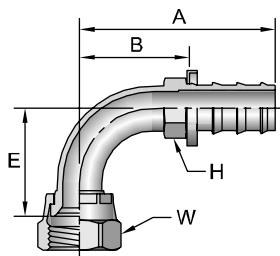


30682**Female JIC 37° - Swivel**

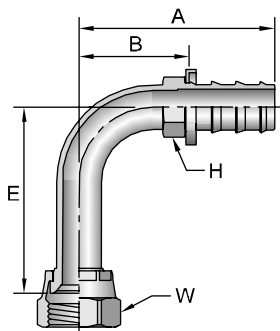
# Part Number	Thread		Hose I.D. inch	A		W inch	B		Additional Material	
	inch			inch	mm		inch	mm	Brass (B)	Stainless Steel (C)
30682-4-4	1/4	7/16x20	1/4	1.52	39	9/16	0.77	20	•	•
30682-5-4	5/16	1/2x20	1/4	1.58	40	5/8	0.83	21	•	
30682-5-6	5/8	1/2x20	3/8	1.72	44	5/8	0.82	21	•	
30682-6-4	3/8	9/16x18	1/4	1.61	41	11/16	0.86	22	•	
30682-6-6	3/8	9/16x18	3/8	1.75	44	11/16	0.85	22	•	•
30682-6-8	3/8	9/16x18	1/2	1.90	48	11/16	0.85	22	•	
30682-8-6	1/2	3/4x16	3/8	1.87	47	7/8	0.97	25	•	
30682-8-8	1/2	3/4x16	1/2	2.02	51	7/8	0.97	25	•	•
30682-10-8	5/8	7/8x14	1/2	2.14	54	1	1.09	28	•	
30682-10-10	5/8	7/8x14	5/8	2.54	65	1	1.09	28	•	•
30682-12-12	3/4	1-1/16x12	3/4	2.65	67	1-1/4	1.20	30	•	•
30682-16-16	1	1-5/16x12	1	2.77	70	1-1/2	1.32	34	•	

33782**Female JIC 37° - Swivel - 45° Elbow - Short Drop**

# Part Number	Thread		Hose I.D. inch	A		E		H	W	B	
	inch			inch	mm	inch	mm	inch	inch	inch	mm
33782-4-4	1/4	7/16x20	1/4	1.74	44	0.39	10	7/16	9/16	0.99	25
33782-6-6	3/8	9/16x18	3/8	1.99	51	0.43	11	1/2	11/16	1.09	28
33782-8-8	1/2	3/4x16	1/2	2.58	66	0.55	14	5/8	7/8	1.53	39
33782-10-10	5/8	7/8x14	5/8	3.03	77	0.65	17	3/4	1	1.58	40

33982**Female JIC 37° - Swivel - 90° Elbow - Short Drop**




# Part Number	Thread		Hose I.D. inch	A		E		H	W	B	
	inch			inch	mm	inch	mm	inch	inch	inch	mm
33982-4-4	1/4	7/16x20	1/4	1.55	39	0.83	21	---	9/16	0.80	20
33982-6-6	3/8	9/16x18	3/8	1.85	47	0.91	23	---	11/16	0.95	24
33982-8-8	1/2	3/4x16	1/2	2.33	59	1.09	28	5/8	7/8	1.28	33
33982-10-10	5/8	7/8x14	5/8	2.88	73	1.24	31	3/4	1	1.43	36
33982-12-12	3/4	1-1/16x12	3/4	3.26	83	1.81	46	7/8	1-1/4	1.81	46

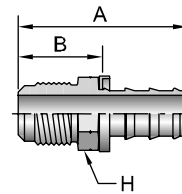
**34182****Female JIC 37° - Swivel - 90° Elbow - Long Drop**




# Part Number	Thread		Hose I.D. inch	A		E		H	W	B	
	inch			inch	mm	inch	mm	inch	inch	inch	mm
34182-4-4	1/4	7/16x20	1/4	1.79	45	1.80	46	7/16	9/16	1.04	26
34182-6-6	3/8	9/16x18	3/8	1.97	50	2.18	55	1/2	11/16	1.07	27

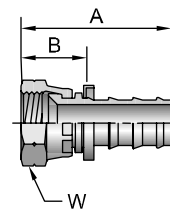
Use with 801, 821, 821FR, 836 hoses.

30482**Male SAE 45° - Rigid**

# Part Number	 Thread		 Hose I.D.	A		 H	B	
	inch		inch	inch	mm	inch	inch	mm
30482-4-4B	1/4	7/16x20	1/4	1.51	38	7/16	0.76	19
30482-5-4B	5/16	1/2x20	1/4	1.61	41	9/16	0.86	22
30482-6-6B	3/8	5/8x18	3/8	1.84	47	5/8	0.94	24
30482-8-8B	1/2	3/4x16	1/2	2.15	55	3/4	1.10	28





**30882****Female SAE 45° - Swivel**

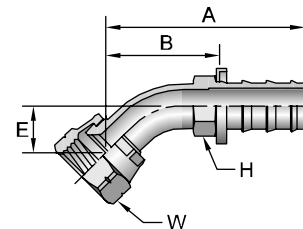
# Part Number	 Thread inch		 Hose I.D. inch	A inch mm		 W inch	B inch mm		Additional Material Brass (B)
30882-4-4	1/4	7/16x20	1/4	1.52	39	9/16	0.77	20	●
30882-5-4	5/16	1/2x20	1/4	1.58	40	5/8	0.83	21	●
30882-6-6	3/8	5/8x18	3/8	1.81	46	3/4	0.91	23	●
30882-8-6	1/2	3/4x16	3/8	1.87	47	7/8	0.97	25	●
30882-8-8	1/2	3/4x16	1/2	2.02	51	7/8	0.97	25	●
30882-10-10	5/8	7/8x14	5/8	2.54	65	1	1.09	28	●
30882-12-12	3/4	1-1/16x14	3/4	2.65	67	1-1/4	1.20	30	●







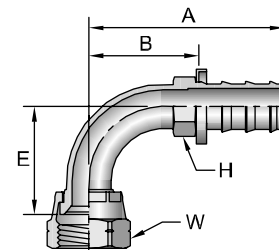
B

37782**Female SAE 45° - Swivel - 45° Elbow**

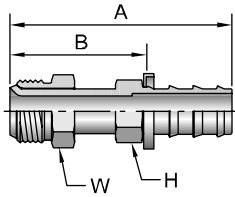
#											
Part Number	Thread		Hose I.D.	A		E		H	W	B	
	inch		inch	inch	mm	inch	mm	inch	inch	inch	mm
37782-4-4	1/4	7/16x20	1/4	1.79	45	0.33	8	7/16	9/16	1.04	26
37782-6-6	3/8	5/8x18	3/8	2.08	53	0.39	10	1/2	3/4	1.18	30
37782-8-8	1/2	3/4x16	1/2	2.58	66	0.55	14	5/8	7/8	1.53	39

**37982****Female SAE 45° - Swivel - 90° Elbow**

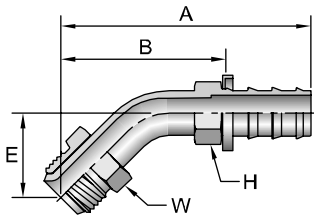
# Part Number				A		E				B	
	inch		inch	inch	mm	inch	mm	inch	inch	inch	mm
37982-4-4	1/4	7/16x20	1/4	1.60	41	0.83	21	7/16	9/16	0.85	22
37982-6-6	3/8	5/8x18	3/8	1.98	50	0.85	22	1/2	3/4	1.08	27
37982-8-8	1/2	3/4x16	1/2	2.33	59	1.09	28	5/8	7/8	1.28	33



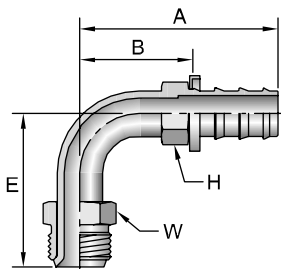
Notch in nut signifies 45° flare.

32882**Male Inverted SAE 45° - Swivel**

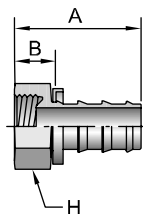
#									
Part Number	Thread		Hose I.D.	A		H	W	B	
	inch		inch	inch	mm	inch	inch	inch	mm
32882-3-4	3/16	3/8x24	1/4	2.15	55	3/8	3/8	1.40	36
32882-4-4	1/4	7/16x24	1/4	2.15	55	7/16	7/16	1.40	36
32882-5-4	5/16	1/2x20	1/4	2.31	59	7/16	1/2	1.56	40
32882-6-6	3/8	5/8x18	3/8	2.58	66	1/2	5/8	1.68	43
32882-8-8	1/2	3/4x18	1/2	2.82	72	5/8	3/4	1.77	45
32882-10-10	5/8	7/8x18	5/8	3.34	85	3/4	7/8	1.89	48

36782**Male Inverted SAE 45° - Swivel - 45° Elbow**

#									
Part Number	Thread		Hose I.D.	A		E	H	W	B
	inch		inch	inch	mm	inch	mm	inch	mm
36782-4-4	1/4	7/16x24	1/4	1.92	49	0.63	16	7/16	1.17
36782-6-6	3/8	5/8x18	3/8	2.64	67	0.94	24	1/2	1.74

36982**Male Inverted SAE 45° - Swivel - 90° Elbow**

#									
Part Number	Thread		Hose I.D.	A		E	H	W	B
	inch		inch	inch	mm	inch	mm	inch	mm
36982-4-4	1/4	7/16x24	1/4	1.99	51	1.56	40	7/16	1.24
36982-5-4	5/16	1/2x20	1/4	2.17	55	1.65	42	7/16	1.42
36982-6-6	3/8	5/8x18	3/8	2.30	58	1.69	43	1/2	1.40

32982**Female Inverted SAE 45° - Rigid**

#									
Part Number	Thread		Hose I.D.	A		H		B	
	inch		inch	inch	mm	inch	inch	inch	mm
32982-4-4B	1/4	7/16x24	1/4	1.19	30	1/2	0.44	11	
32982-5-4B	5/16	1/2x20	1/4	1.25	32	9/16	0.50	13	
32982-6-6B	3/8	5/8x18	3/8	1.44	37	3/4	0.54	14	
32982-8-8B	1/2	3/4x18	1/2	1.62	41	7/8	0.57	14	

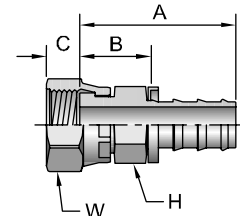
3JC82

Female Seal-Lok® - Swivel - Short

ISO 12151-1 - SWSA

# Part Number	Thread inch	Hose I.D. inch	A		C		H inch	W inch	B		Additional Material	
			inch	mm	inch	mm			inch	mm	Brass (B)	Stainless Steel (C)
3JC82-4-4	1/4	9/16x18	1.40	36	0.32	8	9/16	11/16	0.65	17		•
3JC82-6-6	3/8	11/16x16	1.59	40	0.38	10	11/16	13/16	0.69	18		•
3JC82-6-6SM	3/8	11/16x16	1.59	40	0.38	10	19mm	22mm	0.69	18		•
3JC82-8-6	1/2	13/16x16	1.65	42	0.38	10	13/16	15/16	0.76	19		•
3JC82-8-8	1/2	13/16x16	1.80	46	0.43	11	13/16	15/16	0.75	19		•
3JC82-10-10	5/8	1x14	2.40	61	0.53	13	15/16	1-1/8	0.95	24		•
3JC82-12-12	3/4	1-3/16x12	2.63	67	0.57	14	1-1/8	1-3/8	1.18	30		•
3JC82-16-16	1	1-7/16x12	2.61	66	0.58	15	1-3/8	1-5/8	1.16	29	•	•

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

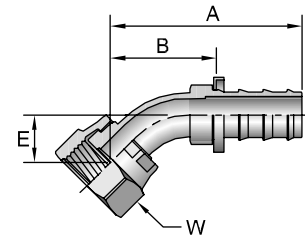


3J782

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45

# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B	
			inch	mm	inch	mm		inch	mm
3J782-4-4	1/4	9/16x18	1.74	44	0.39	10	11/16	0.99	25
3J782-6-6	3/8	11/16x16	1.99	51	0.43	11	13/16	1.09	28
3J782-8-8	1/2	13/16x16	2.41	61	0.59	15	15/16	1.36	35

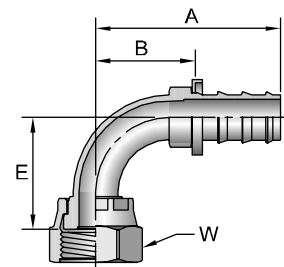


3J982

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

ISO 12151-1 - SWES90

# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B	
			inch	mm	inch	mm		inch	mm
3J982-4-4	1/4	9/16x18	1.55	39	0.83	21	11/16	0.80	20
3J982-6-6	3/8	11/16x16	1.85	47	0.91	23	13/16	0.95	24
3J982-6-8	3/8	11/16x16	2.09	53	0.91	23	13/16	1.04	26
3J982-8-6	1/2	13/16x16	1.94	49	1.14	29	15/16	1.04	26
3J982-8-8	1/2	13/16x16	2.16	55	1.14	29	15/16	1.11	28
3J982-10-10	5/8	1x14	2.76	70	1.26	32	1-1/8	1.31	33
3J982-12-12	3/4	1-3/16x12	3.27	83	1.89	48	1-3/8	1.82	46



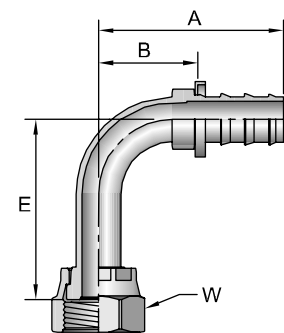
3J182

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

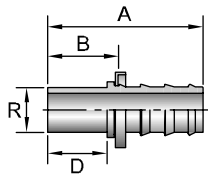
ISO 12151-1 - SWEL90



# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B	
			inch	mm	inch	mm		inch	mm
3J182-6-6	3/8	11/16x16	1.85	47	2.13	54	13/16	0.95	24
3J182-8-8	1/2	13/16x16	2.16	55	2.52	64	15/16	1.11	28

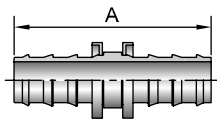
See Accessories Section for O-Rings.




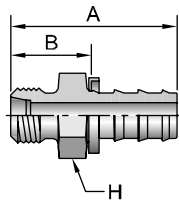
Use with 801, 821, 821FR, 836 hoses.




33482**Male Standpipe - Rigid - (Inch Size Tube O.D.)**

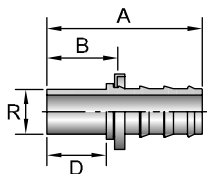
# Part Number			A		D		B		Additional Material	
	R inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm	Brass (B)	Stainless Steel (C)
33482-4-4	1/4	1/4	1.89	48	1.02	26	1.14	29	•	•
33482-5-4	5/16	1/4	1.93	49	1.08	27	1.18	30	•	
33482-6-6	3/8	3/8	2.23	57	1.22	31	1.33	34	•	•
33482-8-8	1/2	1/2	2.16	55	0.97	25	1.11	28	•	•
33482-10-10	5/8	5/8	2.62	67	1.00	25	1.17	30	•	
33482-12-12	3/4	3/4	2.62	67	1.00	25	1.17	30	•	•



38282**Push-Lok Union**

# Part Number		A		Additional Material Brass (B)
	Hose I.D. inch	inch	mm	
38282-4-4	1/4	1.80	46	•
38282-6-6	3/8	2.15	55	•
38282-8-8	1/2	2.51	64	•
38282-10-10	5/8	3.31	84	•
38282-12-12	3/4	3.31	84	•
38282-16-16	1	3.31	84	•

3D082**Male Metric L - Rigid - (24° Cone)**



# Part Number				A			B	
	Thread mm	mm	Hose I.D. inch	inch	mm	H mm	inch	mm
3D082-6-4	6	M12x1,5	1/4	1.34	34	12	0.55	14
3D082-8-4	8	M14x1,5	1/4	1.38	35	14	0.59	15
3D082-10-6	10	M16x1,5	3/8	1.57	40	17	0.63	16
3D082-12-6	12	M18x1,5	3/8	1.61	41	19	0.67	17

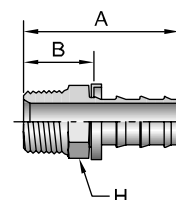
31D82**Male Standpipe Metric L - Rigid**




# Part Number			A		D		B	
	R mm	Hose I.D. inch	inch	mm	inch	mm	inch	mm
31D82-6-4	6	1/4	1.73	44	0.87	22	0.98	25
31D82-8-4	8	1/4	1.73	44	0.87	22	0.98	25
31D82-10-6	10	3/8	1.93	49	0.91	23	1.02	26
31D82-12-6	12	3/8	1.93	49	0.91	23	1.06	27
31D82-15-8	15	1/2	2.17	55	0.98	25	1.10	28
31D82-18-10	18	5/8	2.64	67	1.02	26	1.10	28
31D82-22-12	22	3/4	2.72	69	1.10	28	1.22	31

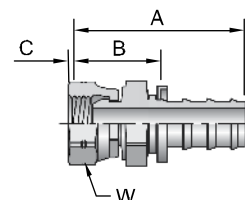
Use with 801, 821, 821FR, 836 hoses.



39182**Male BSP Taper - Rigid - (60° cone)**

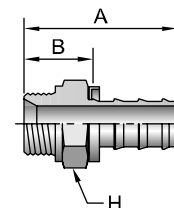
# Part Number			A		H	B		Additional Material Stainless Steel (C)
	Thread inch	Hose I.D. inch	inch	mm	mm	inch	mm	
39182-2-4-AU	1/8x28	1/4	1.48	38	12	0.68	17	
39182-4-4-AU	1/4x19	1/4	1.68	43	14	0.88	22	•
39182-6-4-AU	3/8x19	1/4	1.72	44	19	0.92	23	
39182-4-5-AU	1/4x19	5/16	1.68	43	14	0.88	22	
39182-6-5-AU	3/8x19	5/16	1.72	44	19	0.92	23	
39182-4-6-AU	1/4x19	3/8	1.82	46	14	0.87	22	•
39182-6-6-AU	3/8x19	3/8	1.86	47	19	0.91	23	•
39182-8-6-AU	1/2x14	3/8	2.08	53	22	1.13	29	
39182-6-8-AU	3/8x19	1/2	2.01	51	19	0.91	23	•
39182-8-8-AU	1/2x14	1/2	2.23	57	22	1.13	29	•
39182-12-8-AU	3/4x14	1/2	2.31	59	30	1.21	31	
39182-12-10-AU	3/4x14	5/8	2.71	69	30	1.21	31	
39182-8-12-AU	1/2x14	3/4	2.63	67	22	1.13	29	•
39182-12-12-AU	3/4x14	3/4	2.71	69	30	1.21	31	•

**39282****Female BSP Parallel Pipe - Swivel - (60° Cone)**

# Part Number			A		H		B		Additional Material Stainless Steel (C)
	Thread inch	Hose I.D. inch	inch	mm	mm	mm	inch	mm	
39282-2-4-AU	1/8x28	1/4	1.44	37	10	10	0.64	16	
39282-4-4-AU	1/4x19	1/4	1.50	38	14	14	0.70	18	
39282-6-4-AU	3/8x19	1/4	1.58	40	17	17	0.78	20	
39282-4-5-AU	1/4x19	5/16	1.50	38	14	14	0.70	18	
39282-6-5-AU	3/8x19	5/16	1.58	40	17	17	0.78	20	
39282-4-6-AU	1/4x19	3/8	1.65	42	14	14	0.70	18	
39282-6-6-AU	3/8x19	3/8	1.72	44	17	17	0.77	20	
39282-8-6-AU	1/2x14	3/8	1.87	48	22	22	0.92	23	
39282-6-8-AU	3/8x19	1/2	1.87	48	17	17	0.77	20	
39282-8-8-AU	1/2x14	1/2	2.02	51	22	22	0.92	23	
39282-8-10-AU	1/2x14	5/8	2.42	62	22	22	0.92	23	
39282-10-10-AU	5/8x14	5/8	2.40	61	22	22	0.90	23	
39282-12-12-AU	3/4x14	3/4	2.47	63	27	27	0.97	25	•

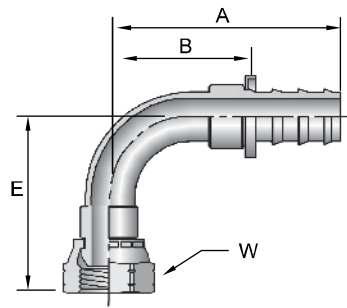
**3D982****Male BSP Parallel Pipe - Rigid - (60° Cone)**

# Part Number		A			B	
	Hose I.D. inch	inch	mm	mm	inch	mm
3D982-2-4	1/4	1.42	36	14	0.63	16
3D982-4-4	1/4	1.61	41	19	0.83	21
3D982-4-6	3/8	1.77	45	19	0.83	21
3D982-6-6	3/8	1.77	45	22	0.87	22
3D982-8-8	1/2	2.09	53	27	0.98	25
3D982-8-10	5/8	2.44	62	27	0.94	24
3D982-12-12	3/4	2.56	65	32	1.06	27

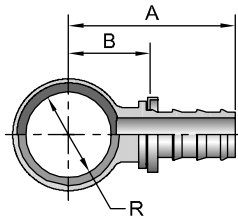


Bonded seal required if fitting is used directly in a port. See Accessories Section.

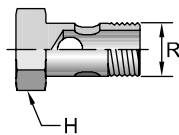
Use with 801, 821, 821FR, 836 hoses.

**3B282****Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)**

#									
Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	mm	inch	mm
3B282-4-4	1/4x19	1/4	1.65	42	1.02	26	17	1.02	26
3B282-6-6	3/8x19	3/8	2.09	53	1.18	30	19	1.18	30
3B282-8-8	1/2x14	1/2	2.56	65	1.57	40	27	1.57	40
3B282-10-10	5/8x14	5/8	2.99	76	1.57	40	30	1.57	40

34982**DIN Metric Banjo**

#			A		B	
Part Number	R	Hose I.D.	inch	mm	inch	mm
	mm	inch				
34982-8-4	8	1/4	1.42	36	0.63	16
34982-10-4	10	1/4	1.50	38	0.71	18
34982-12-4	12	1/4	1.57	40	0.79	20
34982-12-6	12	3/8	1.73	44	0.79	20
34982-14-4	14	1/4	1.65	42	0.87	22
34982-14-6	14	3/8	1.85	47	0.91	23
34982-16-6	16	3/8	1.93	49	0.98	25
34982-18-8	18	1/2	2.17	55	1.06	27

AM**Banjo Bolt with DIN Metric Thread**

#				
Part Number	R	H	Copper Washer (2)	
	Thread	mm		
AM-03	8	M8x1	12	853009-8
AM-04	10	M10x1	14	853009-10
AM-06	12	M12x1.5	17	853009-12
AM-08	14	M14x1.5	19	853009-14
AM-10	16	M16x1.5	22	853009-16
AM-13	18	M18x1.5	24	853009-18
AM-16	22	M22x1.5	27	853009-22
AM-20	26	M26x1.5	32	853009-26
AM-30	30	M30x1.5	36	853009-30

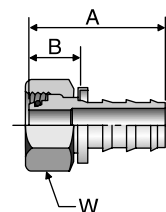
Two (2) copper washers per bolt must be ordered separately.

Use with 801, 821, 821FR, 836 hoses.

3CA82**Female Metric L - Swivel - (24° Cone with O-Ring)**

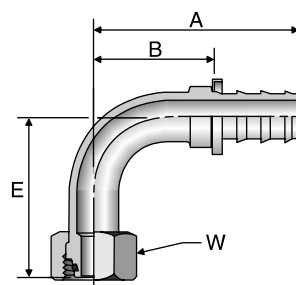
ISO 12151-2 - SWS

# Part Number	Thread		Hose I.D. inch	A		W	B	
	inch			inch	mm		inch	mm
3CA82-8-4	8	M14x1,5	1/4	1.42	36	17	0.67	17
3CA82-10-6	10	M16x1,5	3/8	1.57	40	19	0.67	17
3A82-10-6B	10	M16x1,5	3/8	1.57	40	19	0.67	17
3A82-12-6	12	M18x1,5	3/8	1.57	40	22	0.67	17
3A82-15-8	15	M22x1,5	1/2	1.73	44	27	0.71	18
3A82-22-12	22	M30x2	3/4	2.28	58	36	0.83	21

**3CF82****Female Metric L - Swivel - 90° Elbow - (24° Cone with O-Ring)**

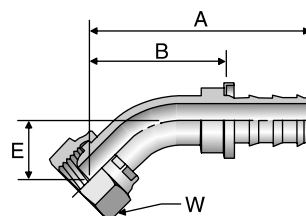
ISO 12151-2 - SWE

# Part Number	Thread		Hose I.D. inch	A		E		W	B	
	inch			inch	mm	inch	mm		inch	mm
3CF82-8-4	8	M14x1,5	1/4	1.65	42	1.26	32	17	0.91	23
3CF82-10-6	10	M16x1,5	3/8	1.93	49	1.38	35	19	1.06	27
3CF82-10-6B	10	M16x1,5	3/8	1.93	49	1.38	35	19	1.06	27
3CF82-12-6	12	M18x1,5	3/8	1.93	49	1.42	36	22	1.06	27
3CF82-15-8	15	M22x1,5	1/2	2.28	58	1.61	41	27	1.26	32
3CF82-22-12	22	M30x2	3/4	3.46	88	2.17	55	36	2.01	51

**3C482****Female Metric L - Swivel - 45° Elbow - (Ball Nose)**

ISO 8434-1

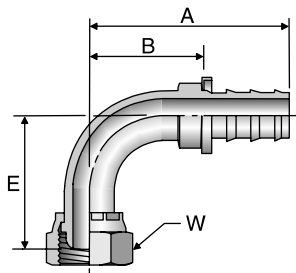
# Part Number	Thread		Hose I.D. inch	A		E		W	B	
	inch			inch	mm	inch	mm		inch	mm
3C482-8-4B	8	M14x1,5	1/4	2.01	51	0.63	16	17	1.26	32
3C482-10-6B	10	M16x1,5	3/8	2.28	58	0.71	18	19	1.38	35
3C482-15-8B	15	M22x1,5	1/2	2.68	68	0.75	19	27	1.61	41
3C482-22-12	22	M30x2	3/4	3.46	88	0.91	23	36	2.05	52



Use with 801, 821, 821FR, 836 hoses.

3C582**Female Metric L - Swivel - 90° Elbow - (Ball Nose)**

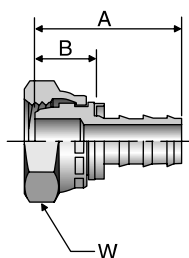
End Connection per ISO 8434-1-SWOF



# Part Number	Thread inch	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm	mm	inch	mm
3C582-8-4B	8 M14x1,5	1/4	1.65	42	1.14	29	17	0.91	23
3C582-10-6B	10 M16x1,5	3/8	1.93	49	1.30	33	19	1.06	27
3C582-15-8B	15 M22x1,5	1/2	2.36	60	1.54	39	27	1.34	34
3C582-22-12B	22 M30x2	3/4	3.46	88	1.97	50	36	2.01	51

3C382**Female Metric L - Swivel - (Ball Nose)**

End Connection per ISO 8434-1-SWOS



# Part Number	Thread inch	Hose I.D. inch	A		W	B	
			inch	mm	mm	inch	mm
3C382-8-4B	8 M14x1,5	1/4	1.42	36	19	0.63	16
3C382-10-6B	10 M16x1,5	3/8	1.50	38	19	0.59	15
3C382-15-8B	15 M22x1,5	1/2	1.65	42	27	0.59	15
3C382-22-12B	22 M30x2	3/4	2.09	53	36	0.67	17

B

Use with 801, 821, 821FR, 836 hoses.

Parker Push-Lok® Kits

Parker Push-Lok Kits are for industrial and automotive maintenance and repair shops. They provide a low-cost inventory of Push-Lok hose and fittings packaged in a sturdy metal container. They save time and money on hose line replacements for water, air lubricating oils, anti-freeze solutions and vacuum applications.



Part No. 46-83A

Kit Contents	Quantity	Kit Contents	Quantity
Hose		Male Inverted Swivel	
831-4 (1/4" I.D.)	24 ft.	32882-3-4	3
831-6 (3/8" I.D.)	24 ft.	32882-4-4	5
Male Pipe		32882-5-4	5
30182-2-4B	8	32882-6-6	3
30182-4-4B	5	Female Inverted Rigid	
30182-4-6B	5	32982-3-4B	3
30182-6-6B	6	32982-4-4B	3
Male SAE 45°		32982-5-4B	5
30482-4-4B	2	32982-6-6B	3
30482-6-6B	3	Hose Union	
SAE (JIC) 37° Female Swivel		38282-4-4B	4
30682-6-6B	5	38282-6-6B	2
SAE 45° Swivel			
30882-4-4B	5		
30882-5-4B	5		
30882-6-6B	5		

Parker Push-Lok® Merchandiser

PLM-1 (801 Multi-Purpose Hose)

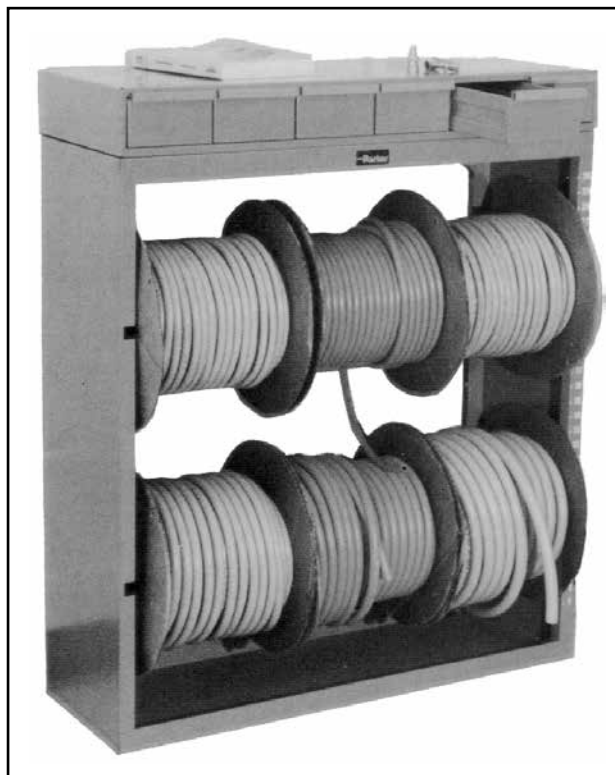
The Push-Lok® Merchandiser is an ideal method of displaying Push-Lok in will-call areas, maintenance shops, or other areas where air lines are fabricated.

Features

- PLM -1

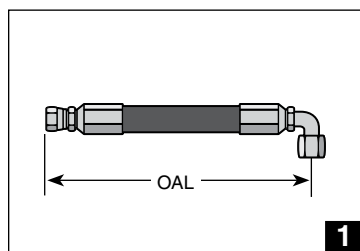
Hose	Quantity	Size
801-4	300 Feet	1/4" I.D.
801-6	375 Feet	3/8" I.D.
801-8	100 Feet	1/2" I.D.

- 25 each of the following fittings:
30182-4-4B 30682-4-4B 30882-6-6B
30182-6-6B 30682-6-6B
30182-8-8B 30682-8-8B
- Fitting drawers to store up to 18 different styles/sizes of fittings.
- TH11-1 hand held hose cutter.



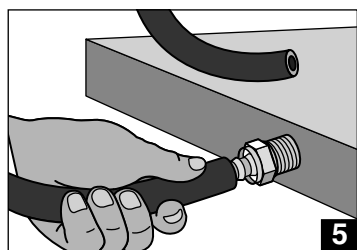
82 Series

Assembly Instructions

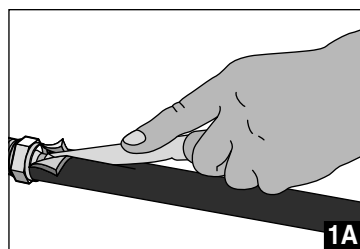


OAL : Straight to 90° Elbow

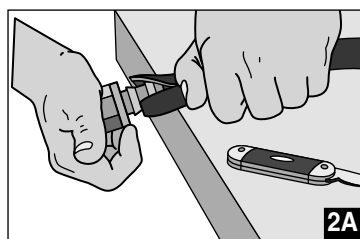
1



5



1A



2A

1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table.
2. Properly measure and mark hose. Cut hose squarely with a Parker Push-Lok cut-off tool or a sharp knife.
3. Lubricate the Push-Lok fitting, hose I.D., or both with light oil or soapy water only - DO NOT USE HEAVY OIL OR GREASE.
4. Insert fitting into hose until first barb is in the hose.
5. Place end fitting against a flat object such as a work bench or wall. Grip hose approximately one inch from end and push with a steady force until the end of the hose is covered by the yellow plastic cap.

Disassembly Instructions

- 1A. Leave fitting in place, and cut hose approximately one inch lengthwise from the yellow plastic cap. **IMPORTANT:** Be careful not to nick barbs when cutting hose.
- 2A. Grip hose firmly and give it a sharp downward tug away from the fitting for disassembly.

Caution: Insert the Push-Lok fitting all the way into the Push-Lok hose until the cut end is concealed by the yellow plastic cap.

Caution: Sealing integrity may be damaged by use of exterior clamps.

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL:

PARKER HOSE PRODUCTS DIVISION
TECHNICAL SERVICES DEPARTMENT

PHONE: 02 9842 5110

FAX: 02 9842 5111

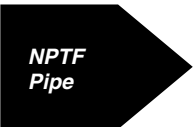

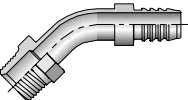
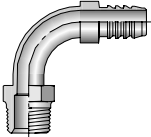

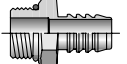

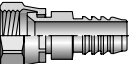
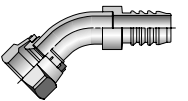
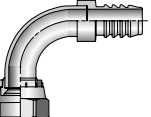

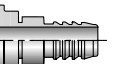
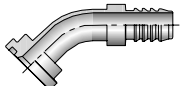
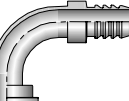

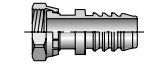
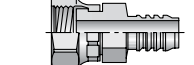

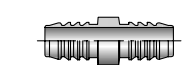

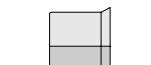

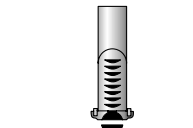
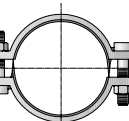

<http://www.parkerhose.com>

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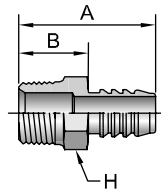
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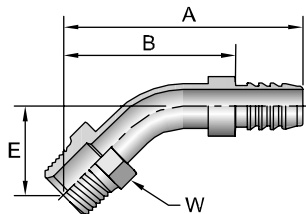
Use with 811HT hose.

 <p>NPTF Pipe</p>	<p>0188 B-188</p>  <p><i>Male - Rigid</i></p>	<p>3188 B-188</p>  <p><i>Male - Rigid 45° Elbow</i></p>	<p>2188 B-188</p>  <p><i>Male - Rigid 90° Elbow</i></p>	 <p>Straight Thread</p>	<p>0588 B-188</p>  <p><i>Male - Rigid</i></p>
 <p>JIC 37°</p>	<p>0688 B-189</p>  <p><i>Female - Swivel</i></p>	<p>3788 B-189</p>  <p><i>Female - Swivel</i></p>	<p>3988 B-189</p>  <p><i>Female - Swivel</i></p>	 <p>Flange</p>	<p>1588 B-189</p>  <p><i>Flange Heads</i></p>
<p>1788 B-190</p>  <p><i>45° Elbow</i></p>	<p>1988 B-190</p>  <p><i>90° Elbow</i></p>	 <p>Seal-Lok® (O-Ring Face Seal)</p>	<p>JS88 B-190</p>  <p><i>Female - Swivel Long</i></p>	<p>JC88 B-191</p>  <p><i>Female - Swivel Short</i></p>	 <p>Union</p>
<p>8888 B-191</p>  <p><i>Union</i></p>	 <p>81 Series Crimp Shell</p>	<p>81 Series consists of a 10081 crimp shell and is completed by adding any 88 Series fittings.</p>		<p>10081 B-191</p>  <p><i>81 Series Crimp Shell</i></p>	 <p>Hose Clamp</p>
<p>88HC-H B-191</p>  <p><i>Hose-Clamp</i></p>	<p>88DB B-191</p>  <p><i>Heavy Duty Clamp</i></p>	 <p>Assembly Instructions</p>	<p>88 Series Assembly Instructions</p>	<p>81 Series Assembly Instructions - See Section C for crimping instructions.</p>	

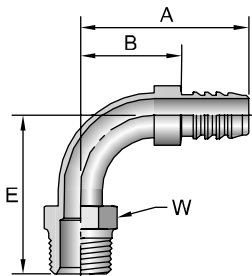
Use with 811HT hose.

0188**Male NPTF Pipe - Rigid**

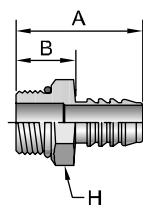
#							
Part Number	Thread	Hose I.D.	A		H	B	
	inch	inch	inch	mm	inch	inch	mm
0188-12-12	3/4x14	3/4	2.25	57	1-1/8	1.13	29
0188-16-16	1x11-1/2	1	2.75	70	1-3/8	1.37	35
0188-20-20	1-1/4x11-1/2	1-1/4	3.05	77	1-3/4	1.47	37
0188-20-24	1-1/4x11-1/2	1-1/2	3.21	82	1-3/4	1.47	37
0188-24-24	1-1/2x11-1/2	1-1/2	3.24	82	2	1.50	38
0188-32-32	2x11-1/2	2	3.49	89	2-1/2	1.66	42
0188-40-40	2-1/2x8	2-1/2	4.10	104	3	2.27	58

3188**Male NPTF Pipe - Rigid - 45° Elbow**

#									
Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
3188-16-16	1x11-1/2	1	4.12	105	1.63	41	1-3/8	2.74	70
3188-20-20	1-1/4x11-1/2	1-1/4	4.54	115	1.77	45	1-3/4	2.96	75

2188**Male NPTF Pipe - Rigid - 90° Elbow**

#									
Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
2188-12-12	3/4x14	3/4	2.83	72	2.67	68	1-1/8	1.70	43
2188-16-16	1x11-1/2	1	3.35	85	3.18	81	1-3/8	1.97	50
2188-20-20	1-1/4x11-1/2	1-1/4	3.80	97	3.41	87	1-3/4	2.21	56
2188-24-24	1-1/2x11-1/2	1-1/2	4.20	107	3.61	92	2	2.46	62
2188-32-32	2x11-1/2	2	4.86	123	4.23	107	2-1/2	3.03	77




0588**Male SAE Straight Thread with O-Ring - Rigid**

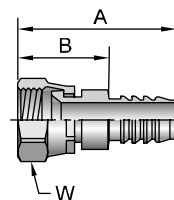
#							
Part Number	Thread	Hose I.D.	A		H	B	
	inch	inch	inch	mm	inch	inch	mm
0588-12-12	1-1/16x12	3/4	2.13	54	1-1/4	1	25
0588-16-16	1-5/16x12	1	2.38	60	1-1/2	1	25
0588-20-20	1-5/8x12	1-1/4	2.59	66	1-7/8	1	25




See page B-201 for 81 Series crimp shells and clamps for 88 Series fittings.
 See Equipment Section for assembly and crimping instructions.
 See Accessories Section for O-Rings and Flange Kits.

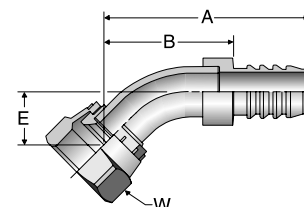
Use with 811HT hose.

0688**Female JIC 37° - Swivel**

# Part Number	 Thread		 Hose I.D.	A		 W	B	
	inch			inch	mm		inch	mm
0688-12-12	3/4	1-1/16x12	3/4	2.66	68	1-1/4	1.53	39
0688-16-12	1	1-5/16x12	3/4	1.86	47	1-1/2	1.38	35
0688-16-16	1	1-5/16x12	1	2.72	69	1-1/2	1.34	34
0688-20-20	1-1/4	1-5/8x12	1-1/4	3.34	85	2	1.75	44
0688-24-24	1-1/2	1-7/8x12	1-1/2	3.67	93	2-1/4	1.93	49
0688-32-32	2	2-1/2x12	2	4.14	105	2-7/8	2.31	59




**3788****Female JIC 37° - Swivel**

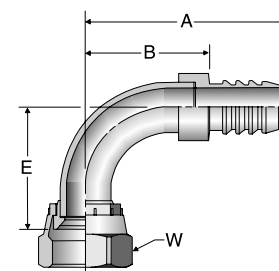
# Part Number	 Thread		 Hose I.D.	A		E		 W	B	
	inch			inch	mm	inch	mm		inch	mm
3788-12-12	3/4	1-1/16x12	3/4	3.07	78	0.79	20	1-1/4	1.94	49
3788-16-16	1	1-5/16x12	1	3.51	89	0.90	23	1-1/2	2.13	54
3788-20-20	1-1/4	1-5/8x12	1-1/4	3.97	101	1.19	30	2	2.38	60






B

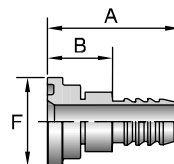
3988**Female JIC 37° - Swivel**

# Part Number	 Thread		 Hose I.D.	A		E		 W	B	
	inch			inch	mm	inch	mm		inch	mm
3988-12-12	3/4	1-1/16x12	3/4	2.98	76	1.82	46	1-1/4	1.85	47
3988-16-16	1	1-5/16x12	1	3.48	88	2.14	54	1-1/2	2.10	53
3988-20-20	1-1/4	1-5/8x12	1-1/4	3.81	97	2.59	66	2	2.22	56
3988-24-24	1-1/2	1-7/8x12	1-1/2	4.21	107	2.81	71	2-1/4	2.47	63

**1588****SAE Code 61 Flange Head**

ISO 12151-3 - S - L

# Part Number	 Flange	 Hose I.D.	A		 F	B	
			inch	mm		inch	mm
1588-16-16	1	1	2.57	65	1-3/4	1.19	30
1588-20-20	1-1/4	1-1/4	3.37	86	2	1.78	4
1588-24-24	1-1/2	1-1/2	3.78	96	2-3/8	2.04	52
1588-32-32	2	2	4.32	110	2-13/16	2.49	63
1588-40-40	2-1/2	2-1/2	4.56	116	3-1/8	2.73	69
1588-48-40	3	2-1/2	4.62	117	4	2.79	71

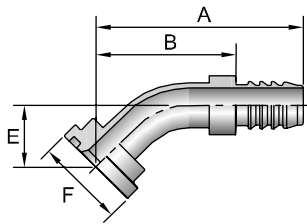





See page B-201 for 81 Series crimp shells and clamps for 88 Series fittings.
 See Equipment Section for assembly and crimping instructions.
 See Accessories Section for O-Rings and Flange Kits.

1788

SAE Code 61 Flange Head - 45° Elbow

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)

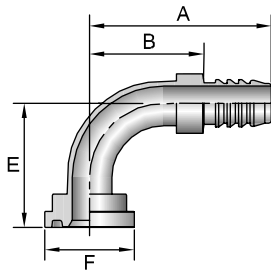





#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1788-16-16	1	1	3.55	90	1.06	27	1-3/4	2.17	55
1788-20-20	1-1/4	1-1/4	3.90	99	1.13	29	2	2.31	59
1788-24-24	1-1/2	1-1/2	4.15	105	1.11	28	2-3/8	2.41	61
1788-32-32	2	2	4.58	116	1.25	32	2-13/16	2.75	70
1788-40-40	2-1/2	2-1/2	5.17	131	1.41	36	3-1/8	3.34	85
1788-48-40	3	2-1/2	5.21	132	1.45	37	4	3.38	86

1988

SAE Code 61 Flange Head - 90° Elbow

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

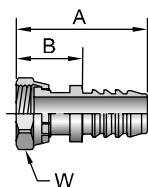







#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1988-16-16	1	1	3.35	85	2.37	60	1-3/4	1.97	50
1988-20-20	1-1/4	1-1/4	3.80	97	2.50	64	2	2.21	56
1988-24-24	1-1/2	1-1/2	4.20	107	2.74	70	2-3/8	2.46	62
1988-32-32	2	2	4.86	123	3.19	81	2-13/16	3.03	77
1988-40-40	2-1/2	2-1/2	5.52	140	3.75	95	3-1/8	3.69	94
1988-48-40	3	2-1/2	5.52	140	3.81	97	4	3.69	94

JS88

Female Seal-Lok® - Swivel - Long

ISO - 12151-1 - SWSB



#							
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	mm
JS88-20-20	1-1/4	1-11/16x12	1-1/4	3.21	82	1-7/8	1.15 29
JS88-24-24	1-1/2	2x12	1-1/2	3.47	88	2-1/4	1.73 44

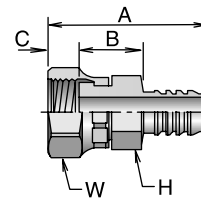
See page B-201 for 81 Series crimp shells and clamps for 88 Series fittings.
See Equipment Section for assembly and crimping instructions.
See Accessories Section for O-Rings and Flange Kits.

Use with 811HT hose.

JC88**Female Seal-Lok - Swivel - Short**

ISO 12151- 1 - SWSA

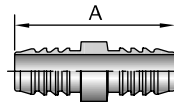
#									
Part Number	Thread	Hose I.D.	A	C	H	W	B		
	inch	inch	inch	mm	inch	inch	inch	inch	mm
JC88-12-12	3/4	1-3/16x12	3/4	2.80	71	0.57	1-1/8	1-3/8	1.70
JC88-16-12	1	1-7/16x12	3/4	2.82	72	0.58	1-3/8	1-5/8	1.69
JC88-16-16	1	1-7/16x12	1	3.07	78	0.59	1-3/8	1-5/8	1.69
JC88-20-16	1-1/4	1-11/16x12	1	3.08	78	0.59	1-7/8	1-5/8	1.70
JC88-20-20	1-1/4	1-11/16x12	1-1/4	3.29	84	0.59	1-7/8	1-7/8	1.70



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

8888**Union (Hose Splicer)**

#			
Part Number	Hose I.D.	A	
	inch	inch	mm
8888-12-12	3/4	2.70	67
8888-16-16	1	3.21	82
8888-20-20	1-1/4	3.61	92
8888-24-24	1-1/2	3.92	100
8888-32-32	2	4.04	103



B

88HC**Hose Clamp (Worm Gear)**

#	
Part Number	Hose I.D.
	inch
88HC-12	3/4
88HC-16	1
88HC-20	1-1/4
88HC-24	1-1/2
88HC-32	2

**10081****Crimp Shell**

#	
Part Number	Hose I.D.
	inch
10081-12	3/4
10081-16	1
10081-20	1-1/4
10081-24	1-1/2
10081-32	2



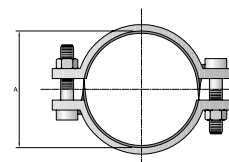
81 Series consists of a 10081 crimp shell and is completed by adding any 88 Series Fittings. See Equipment Section for complete 81 Series Assembly and Crimping instructions.

88HC-H**Hose Clamp (High Torque Worm Gear)**

#	
Part Number	Hose I.D.
	inch
88HC-12H	3/4
88HC-16H	1
88HC-20H	1-1/4
88HC-24H	1-1/2
88HC-32H	2

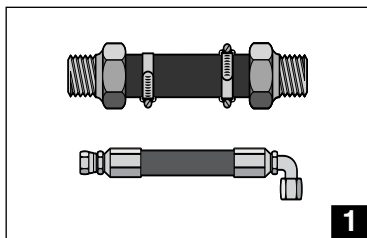
**88DB****Heavy Hose Clamp (Double Bolt)**

#	
Part Number	Hose I.D.
	inch
88DB-12	3/4
88DB-16	1
88DB-20	1-1/4
88DB-24	1-1/2
88DB-32	2

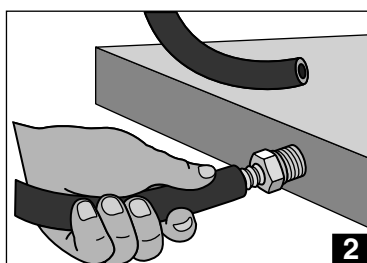


88 Series

Hose Assembly Instructions



1. Identify Over All Length (OAL) of hose assembly and the Cut Off Allowance (COA) length of fitting(s) by use of the fitting data table. Properly measure and mark hose. Cut hose cleanly and squarely to length. Trim any exposed wire reinforcement to prevent injury in service.

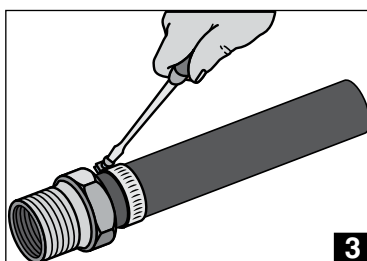


2. Slide clamp(s) onto hose and lubricate hose. Push hose onto fitting until hose bottoms against stop ring or hex.

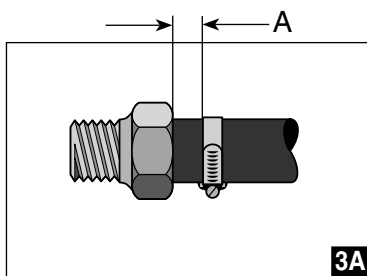
3. Position hose clamp(s) as shown and secure with a screwdriver or wrench. Maintain "A" dimensions as shown below for proper clamp positioning of both HC clamps and HC-H clamps.

3A. Evenly attach double bolt clamps for maximum grip.

Hose I.D. inch	A	
	inch	mm
-12	1/4	6.35
-16	3/8	9.53
-20	3/8	9.53
-24	1/2	12.70
-32	1/2	12.70

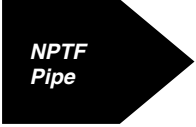
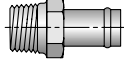
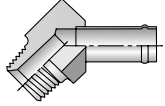
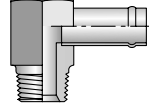

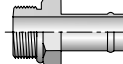
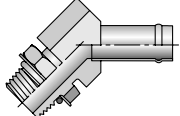
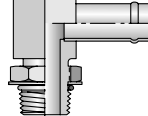

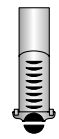


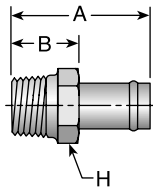
Note: For permanent installation of 88 Series Fittings, an 81 Series Crimp Shell must be added. See Equipment Section for assembly and crimping instructions.





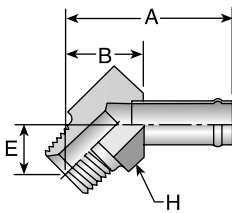
IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL:



PARKER HOSE PRODUCTS DIVISION
TECHNICAL SERVICES DEPARTMENT
PHONE: 02 9842 5110
FAX: 02 9842 5111
<http://www.parkerhose.com>

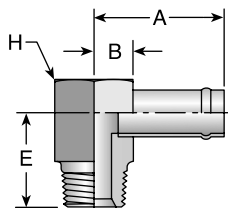
 NPTF Pipe	01TB B-194  <i>Male - Rigid</i>	31TB B-194  <i>Male - Rigid 45° Elbow</i>	21TB B-194  <i>Male - Rigid 90° Elbow</i>	 SAE Straight Thread	05TB B-195  <i>Male - Rigid</i>
35TB B-195  <i>Male - Rigid 45° Elbow</i>	25TB B-195  <i>Male - Rigid 90° Elbow</i>	 Clamp	Clamp B-191  <i>Wormgear</i>		



01TB**Male NPTF Pipe - Rigid**

#			A		H		B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	mm
01TB-4-6	1/4x18	3/8	2.09	53	5/8	0.96	24	
01TB-6-8	3/8x18	1/2	2.12	54	3/4	0.96	24	
01TB-8-10	1/2x14	5/8	2.31	59	7/8	1.15	29	
01TB-8-12	1/2x14	3/4	2.31	59	1	1.15	29	
01TB-12-12	3/4x14	3/4	2.31	54	1-1/8	1.15	24	
01TB-16-16	1x11-1/2	1	2.69	68	1-3/8	1.53	39	
01TB-20-20	1-1/4x11-1/2	1-1/4	2.84	72	1-3/4	1.34	34	
01TB-24-24	1-1/2x11-1/2	1-1/2	3.25	83	2	1.50	38	
01TB-32-32	2x11-1/2	2	3.53	90	2-5/8	1.78	45	

31TB**Male NPTF Pipe - Rigid - 45° Elbow**

#			A		E		H	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
31TB-6-8	3/8x18	1/2	2.54	65	0.69	18	7/8	1.04	26
31TB-8-10	1/2x14	5/8	2.68	68	0.82	21	1	1.18	30
31TB-8-12	1/2x14	3/4	2.78	71	0.82	21	1-1/4	1.28	33
31TB-12-12	3/4x14	3/4	2.82	72	0.86	22	1-1/4	1.32	34
31TB-12-16	3/4x14	1	3.01	76	0.86	22	1-1/2	1.38	35
31TB-16-16	1x11-1/2	1	3.19	81	1.04	26	1-1/2	1.56	40
31TB-20-20	1-1/4x11-1/2	1-1/4	3.26	83	0.99	25	1-7/8	1.59	40

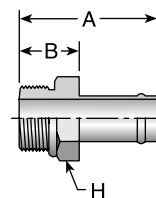
21TB**Male NPTF Pipe - Rigid - 90° Elbow**

#			A		E		H	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
21TB-6-8	3/8x18	1/2	1.94	49	1.22	31	7/8	0.44	11
21TB-8-10	1/2x14	5/8	2.03	52	1.47	37	1-1/16	0.53	13
21TB-8-12	1/2x14	3/4	2.16	55	1.59	40	1-5/16	0.66	17
21TB-12-12	3/4x14	3/4	2.16	55	1.59	40	1-5/16	0.66	17
21TB-12-16	3/4x14	1	2.44	62	1.59	40	1-5/8	0.81	21
21TB-16-14	1x11-1/2	7/8	2.31	59	1.97	50	1-5/8	0.81	21
21TB-16-16	1x11-1/2	1	2.44	62	1.97	50	1-5/8	0.81	21

05TB

Male SAE Straight Thread with O-Ring - Rigid

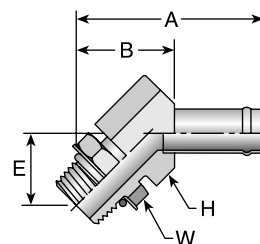
# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
05TB-6-6	9/16x18	3/8	1.94	49	11/16	0.69	18
05TB-8-8	3/4x16	1/2	2.00	51	7/8	0.75	19
05TB-8-10	3/4x16	5/8	2.00	51	7/8	0.75	19
05TB-10-10	7/8x14	5/8	2.06	52	1	0.81	21
05TB-12-12	1-1/16x12	3/4	2.25	57	1-1/4	1.00	25
05TB-16-16	1-5/16x12	1	2.38	60	1-1/2	1.00	25
05TB-20-20	1-5/8x12	1-1/4	2.50	64	1-7/8	1.00	25



35TB

Male SAE Straight Thread with O-Ring - Rigid - 45° Elbow

# Part Number	Thread inch		Hose I.D. inch	A		E		H inch	W inch	B	
				inch	mm	inch	mm			inch	mm
35TB-8-8	1/2	3/4x16	1/2	2.79	71	0.93	24	7/8	7/8	1.29	33
35TB-10-10	5/8	7/8x14	5/8	2.80	71	0.93	24	1	1	1.28	33
35TB-12-12	3/4	1-1/16x12	3/4	3.18	81	1.22	31	1-1/4	1-1/4	1.68	43
35TB-16-16	1	1-5/16x12	1	3.45	88	1.30	33	1-1/2	1-1/2	1.82	46
35TB-20-16	1-1/4	1-5/8x12	1	3.57	91	1.34	34	1-7/8	1-7/8	1.94	49

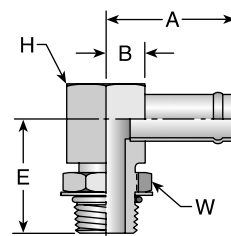


B

25TB

Male SAE Straight Thread with O-Ring - Rigid - 90° Elbow

# Part Number	Thread inch		Hose I.D. inch	A		E		H inch	W inch	B	
				inch	mm	inch	mm			inch	mm
25TB-8-6	1/2	3/4x16	3/8	1.94	49	1.45	37	7/8	7/8	0.44	11
25TB-8-8	1/2	3/4x16	1/2	1.94	49	1.44	37	7/8	7/8	0.44	11
25TB-10-10	5/8	7/8x14	5/8	2.03	52	1.69	43	1-1/16	1	0.53	13
25TB-10-12	5/8	7/8x14	3/4	2.16	55	1.69	43	1-5/16	1	0.66	17
25TB-12-12	3/4	1-1/16x12	3/4	2.16	55	1.92	49	1-5/16	1-1/4	0.66	17
25TB-16-12	1	1-5/16x12	3/4	2.31	59	2.03	52	1-5/8	1-1/2	0.81	21
25TB-16-16	1	1-5/16x12	1	2.44	62	2.03	52	1-5/8	1-1/2	0.81	21
25TB-20-16	1-1/4	1-5/8x12	1	2.57	65	2.34	59	1-7/8	1-7/8	0.94	24
25TB-20-20	1-1/4	1-5/8x12	1-1/4	2.61	66	2.34	59	1-7/8	1-7/8	0.94	24



NOTES

B



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