



Fittings

Parkrimp (Crimp) Series Field Attachable Series

Parkrimp (crimp) Series of Fittings

A

25 Series B-5

26 Series B-9

43 Series B-27

70 Series B-65

71 Series B-75

77 Series B-90

79 Series B-125

HY Series B-130

81 Series B-193

Field Attachable Series of Fittings

B

C

20 Series B-145

21 Series B-155

22 Series B-163

30 Series B-167

42 Series B-173

82 Series B-178

88 Series B-193

D

E

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

- 1**JC43-12-8C - Fitting (1=Crimp, 2=Field attachable, 3=Push-Lok, Blank=Nipple with clamp)
- JC**43-12-8C - End Connection
- 1JC**43-12-8C - Fitting Series
- 1JC43-12**-8C - Size of Fitting End Connection
- 1JC43-12-8**C - 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 and Nut with Steel Shell or Socket
 - SM = Metric Index
 - ZJ = XTR Coating

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

Catalog 4400 US 43 Series Fittings

1JC43
Female Seal-Lok® - Swivel - Short
ISO 12151-1 - SWSA

Use with hoses: 302, 304, 351ST, 351TC, 387TC/ST, 422, 424, 426, 431, 436, 451TC, 451ST, 471TC, 471ST, 472TC, 482TC, 482ST, 487TC/ST, 722TC, 787TC/ST, 797TC/ST, 881

Lists approved hoses for fitting series

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

Additional Material Stainless Steel (C)

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	C inch	C mm	H inch	H mm	W inch	W mm	B inch	B mm	Additional Material Stainless Steel (C)
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			

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: 487TC-4

- 487TC-4 - Hose type
- 487TC-4 - Indicates the special feature of the hose (in this case, "Tough Cover")
- 487TC-4 - Hose inside diameter dash size (in this case, 4/16" or 1/4")



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 or shell)
- 1JC43-12-8C - End connection (In this case, a female Seal-Lok – swivel – straight)
- 1JC43-12-8C - Fitting series
- 1JC43-12-8C - Size of fitting end connection (In this case, 12/16" or 3/4")
- 1JC43-12-8C - Hose size (In this case, 8/16" or 1/2")
- 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 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)
- 20020-16B - End connection ("00" represents that it is a socket)
- 20020-16B - Fitting series
- 20020-16B - Hose size (In this case, 16/16" or 1")
- 20020-16B - 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

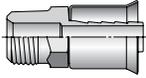
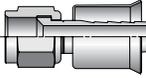
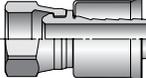
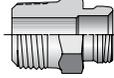


Nipple Part Number

Example: 0120-16-16B

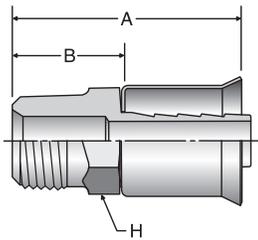
- _0120-16-16B - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
- 0120-16-16B - End connection (In this case, a male NPTF Pipe – rigid – straight)
- 0120-16-16B - Fitting series
- 0120-16-16B - Size of fitting end connection (In this case, 16/16" or 1")
- 0120-16-16B - Hose size (In this case, 16/16" or 1")
- 0120-16-16B - 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



 <p>Flange</p>	<p>10125 B-6</p>  <p><i>Rigid</i></p>	<p>10825 B-6</p>  <p><i>Swivel</i></p>	<p>17B25 B-6</p>  <p><i>Swivel</i></p>	<p>017M B-6</p>  <p><i>Swivel</i></p>	<p>B-7</p> <p><i>Assembly Instructions</i></p>
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10125 Male NPTF Pipe - Rigid

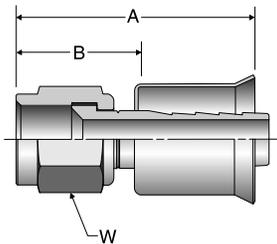


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# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
10125-6-6B-VS	3/8X18	3/8	1.72	44	11/16	1.00	25
10125-6-8B-VS	3/8X18	1/2	1.72	44	11/16	1.00	25
10125-8-6B-VS	1/2X14	3/8	2.05	52	7/8	1.33	34
10125-8-8B-VS	1/2X14	1/2	2.05	52	7/8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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10825 Female SAE 45° - Swivel

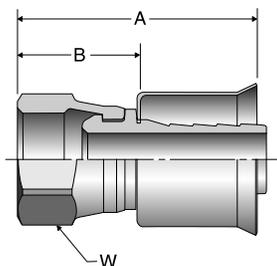


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# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
10825-6-6B	5/8X18	3/8	1.82	46	3/4	1.10	28
10825-8-6B	3/4X16	3/8	1.80	46	7/8	1.08	27
10825-8-8B	3/4X16	1/2	1.95	50	7/8	1.22	31

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

17B25 Female Air Brake Jounce Line - Swivel - Straight

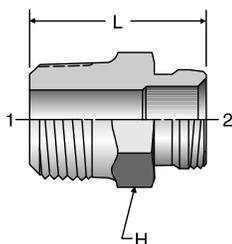


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# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
17B25-8-6B	3/4X20	3/8	1.59	40	7/8	0.87	22
17B25-8-8B	3/4X20	1/2	1.59	40	7/8	0.87	22

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

017M Air Brake Adapter



view on web page

# Part Number	Thread End 1 NPTF inch		Thread End 2 UNEFinch		L		H inch
	6	8	8	3/4X20	inch	mm	
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

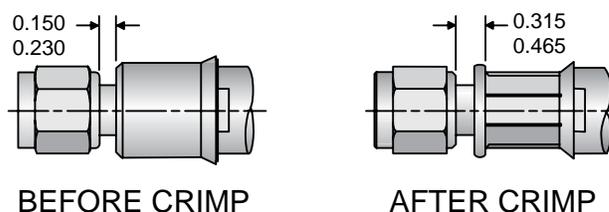
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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)



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	Required Assembly Tool	A Length		B Length	
		mm	inch	mm	inch
10625-6-6B	TH2-7M25-6	3,80	0.150	8,00	0.310
10825-6-6B		5,85	0.230	11,80	0.465
10625-8-8B	TH2-7M25-8				
10825-8-8B					

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

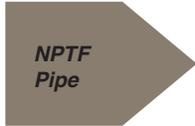
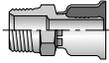
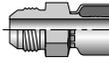
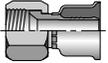
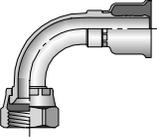
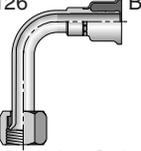
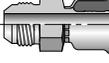
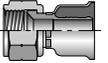
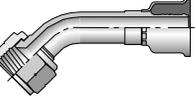
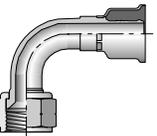
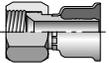
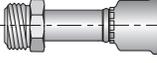
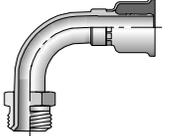
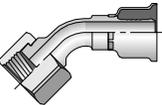
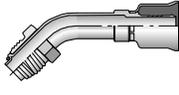
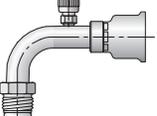
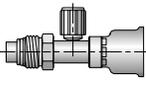
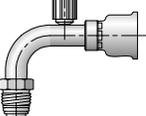
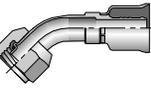
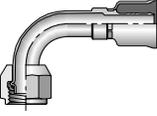
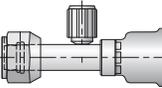
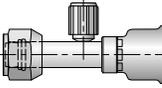
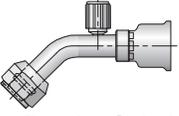
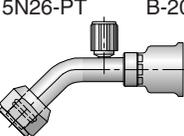
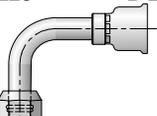
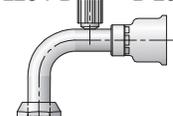
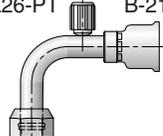
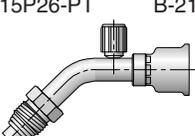
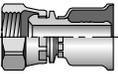
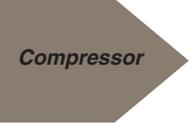
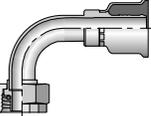
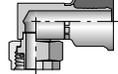
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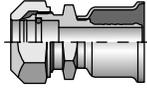
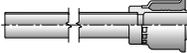
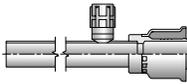
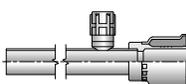
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E

 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>	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>
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>	14526-PT B-18  <i>Male - Swivel Long Pilot</i>	15M26-PT B-18  <i>Male - Swivel 90° Elbow - Long Pilot</i>	15G26 B-18  <i>Male - Rigid Internal - Long Pilot</i>
15S26 B-18  <i>Female - Swivel Short Pilot</i>	15H26 B-19  <i>Female - Swivel 45° Elbow - Short Pilot</i>	15T26 B-19  <i>Female - Swivel 90° Elbow - Short Pilot</i>	15926-PB B-19  <i>Female - Swivel Long Pilot</i>	15926-PT B-19  <i>Female - Swivel Long Pilot</i>	15N26-PB B-20  <i>Female - Swivel 45° Elbow - Long Pilot</i>
15N26-PT B-20  <i>Female - Swivel 45° Elbow - Long Pilot</i>	15L26 B-20  <i>Female - Swivel 90° Elbow - Long Pilot</i>	15L26-PB B-20  <i>Female - Swivel 90° Elbow - Long Pilot</i>	15L26-PT B-21  <i>Female - Swivel 90° Elbow - Long Pilot</i>	15P26-PT B-21  <i>Male - Swivel 45° Elbow - Long Pilot</i>	 Air Brake Jounce Line
17B26 B-21  <i>Female - Swivel</i>	 Compressor	15V26 B-22  <i>Female - Swivel 45° Elbow</i>	15W26 B-22  <i>Female - Swivel 90° Elbow</i>	15Z26 B-22  <i>Female - Swivel 90° Elbow - Block Type</i>	1RV26 B-22  <i>Female - Swivel 135° Elbow</i>

	1T126	B-23	1T126	B-23	14GZ	B-24	5SGZ	B-24	5SGZ	B-24
	 Male (w/Nut & Ferrule)		Fitting Assembly Instructions		 Male Insert O-ring Braze Nut		 Female Tube-O Swivel - Short Pilot		 Male Tube-O Swivel - Short Pilot	
ZJGZ	B-25	ZKGZ	B-25	1ZG26	B-25	1ZG26-PB	B-25	1ZG26-PT	B-25	
 Male "C" Plate Seal/ O-ring Block		 Male Encapsulated Slimline Seal Block		 Tube with 26 Series Coupling		 Tube with High Pressure Charge Port		 Tube with Low Pressure Charge Port		

A

B

C

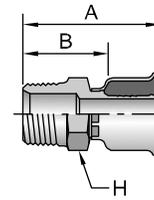
D

E

10126

Male NPTF Pipe - Rigid

# Part Number	Thread		Hose I.D. inch	A		H		B		Additional Material Brass (B)
	inch	mm		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	



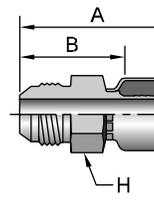
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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10326

Male JIC 37° - Rigid

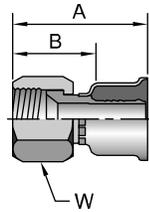
# Part Number	Thread		Hose I.D. inch	A		H		B		Additional Material Brass (B)
	inch	mm		inch	mm	inch	mm	inch	mm	
10326-4-4	1/4	7/16x20	3/16	2.02	50	1/2	1.15	1.15	29	•
10326-6-6	3/8	9/16x18	5/16	2.12	54	3/4	1.26	1.26	32	
10326-8-8	1/2	3/4X16	13/32	1.94	49	13/16	1.08	1.08	27	
10326-10-10	5/8	7/8X14	1/2	2.49	64	15/16	1.54	1.54	39	



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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10626 Female JIC 37° - Swivel

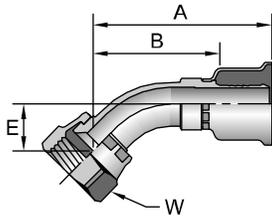


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# Part Number	Thread		Hose I.D. inch	A		W		B		Additional Material Brass (B)
	inch			inch	mm	inch	mm	inch	mm	
10626-6-6	3/8	9/16x18	5/16	1.81	45	11/16	0.95	23		•
10626-6-8	3/8	9/16x18	13/32	1.67	52	11/16	1.19	30		•
10626-12-12	3/4	1-1/16x12	5/8	2.29	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		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

13726 Female JIC 37° - Swivel - 45° Elbow - Short Drop

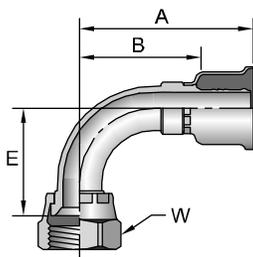


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# Part Number	Thread		Hose I.D. inch	A		E		W		B	
	inch			inch	mm	inch	mm	inch	mm	inch	mm
13726-4-4	1/4	7/16x20	3/16	2.01	51	0.39	10	9/16	1.14	29	
13726-6-6	3/8	9/16x18	5/16	2.72	69	0.43	11	11/16	1.86	47	
13726-8-8	1/2	3/4x16	13/32	2.82	72	0.55	15	7/8	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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

13926 Female JIC 37° - Swivel - 90° Elbow - Short Drop



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# Part Number	Thread		Hose I.D. inch	A		E		W		B	
	inch			inch	mm	inch	mm	inch	mm	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	2.62	67	
13926-24-24	1-1/2	1-7/8x12	1-3/8	3.92	100	2.82	72	2-1/4	2.84	72	

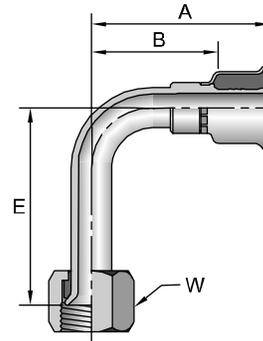
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

14126

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

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		inch	mm	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



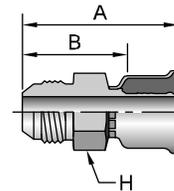
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10426

Male SAE 45° - Rigid

# Part Number	Thread		Hose I.D. inch	A		H inch	B	
	inch	mm		inch	mm		inch	mm
10426-6-6	3/8	5/8x18	5/16	2.04	52	11/16	1.18	30

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



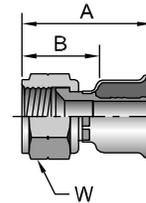
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10826

Female SAE 45° - Swivel

# Part Number	Thread		Hose I.D. inch	A		W inch	B		Additional Material Brass (B)
	inch	mm		inch	mm		inch	mm	
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	•

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



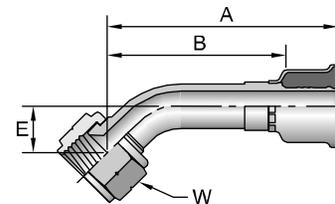
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17726

Female SAE 45° - Swivel - 45° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		inch	mm	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

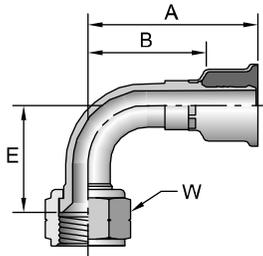


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Notch on nut signifies SAE 45° flare fitting.

17926

Female SAE 45° - Swivel - 90° Elbow



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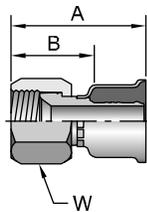
# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		inch	mm	inch	mm			
17926-4-4	1/4	7/16x20	3/16	1.75	44	0.83	21	9/16	0.89	23
17926-6-6	3/8	5/8x18	5/16	2.15	55	0.91	23	3/4	1.29	33
17926-8-8	1/2	3/4x16	13/32	2.31	58.7	1.00	25.4	7/8	1.45	37
17926-10-10	5/8	7/8x14	1/2	2.23	57	1.26	32	1	1.28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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16826

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



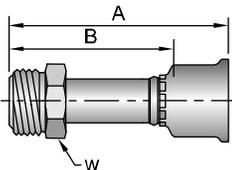
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# Part Number	Thread		Hose I.D. inch	A		W inch	B		Additional Material Brass (B)
	inch	mm		inch	mm		inch	mm	
16826-4-4	1/4	7/16x20	3/16	1.67	42	9/16	0.80	20	•
16826-4-5	1/4	7/16x20	1/4	1.55	48	9/16	1.03	26	
16826-4-6	1/4	7/16x20	5/16	1.92	49	9/16	1.06	27	
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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

12826

Male Inverted SAE 45° - Swivel



view on web page

# Part Number	Thread		Hose I.D. inch	A		W inch	B	
	inch	mm		inch	mm		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

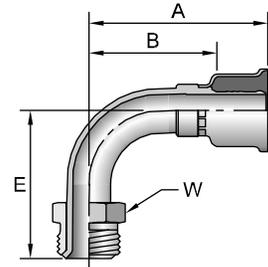
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16926

Male Inverted SAE 45° - Swivel - 90° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		W		B	
	inch			inch	mm	inch	mm	inch	inch	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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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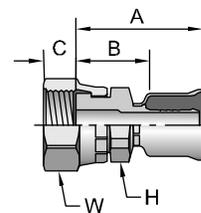
1JC26

Female Seal-Lok® - Swivel - Short

# Part Number	Thread		Hose I.D. inch	A		C		H	W	B	
	inch			inch	mm	inch	mm	inch	inch	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
1JC26-10-10	5/8	1x14	1/2	2.16	55	0.53	13	15/16	1-1/8	1.21	31
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.

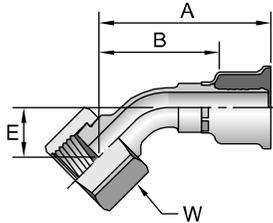
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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1J726

Female Seal-Lok® - Swivel - 45° Elbow



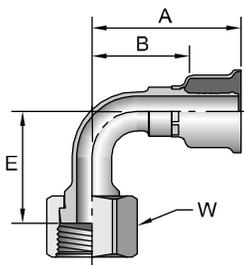
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# Part Number	Thread		Hose I.D.		A		E		W		B	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
1J726-4-4	1/4	9/16x18	3/16	1.99	51	0.39	10	11/16	1.12	28		
1J726-6-6	3/8	11/16x16	5/16	2.43	62	0.43	11	13/16	1.57	40		
1J726-8-8	1/2	13/16x16	13/32	2.77	70	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		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J926

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



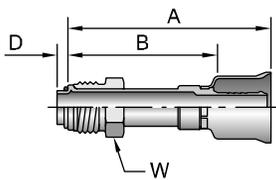
view on web page

# Part Number	Thread		Hose I.D.		A		E		W		B	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	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		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1S526

Male Tube-O - Swivel - Short Pilot



view on web page

# Part Number	Thread		Hose I.D.		A		D		W		B	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
1S526-6-6	3/8	5/8x18	5/16	2.54	65	0.18	4,7	5/8	1.68	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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

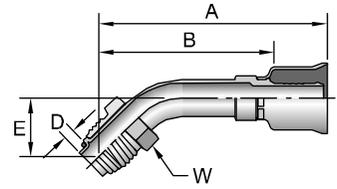
See Accessories Section for O-Rings.

15R26

Male 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
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



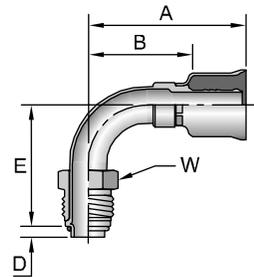
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15K26

Male 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
15K26-6-6	3/8	5/8X18	5/16	2.06	52	0.18	4,7	1.76	45	5/8	1.19	30
15K26-8-8	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



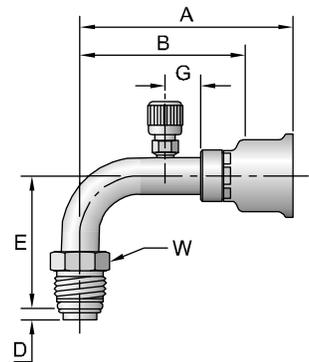
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15K26-PB

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

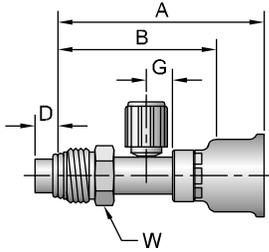
# Part Number	Thread		Hose I.D.	A		D		E		G		W	B	
	inch	inch		inch	mm	inch	mm	inch	mm	inch	mm		inch	mm
15K26-8-8-PB	1/2	3/4x18	13/32	2.70	69	0.18	4,6	1.74	44	0.60	15	3/4	1.88	48

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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14526-PT Male Tube-O - Swivel - Long Pilot With With Low Pressure Charge Port for R134a

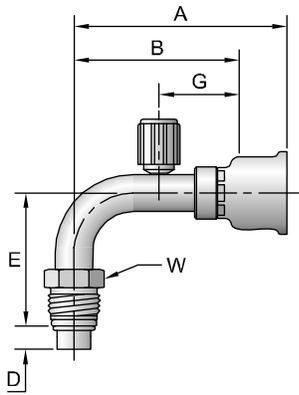


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# Part Number	Thread		Hose I.D.		A		D		G		W		B	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
14526-10-12-PT	5/8	7/8x18	5/8	3.45	88	0.38	9,8	0.44	11	7/8	2.51	64		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15M26-PT Male Tube-O - Swivel - 90° Elbow - Long Pilot With Low Pressure Charge Port for R134a

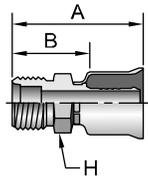


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# Part Number	Thread		Hose I.D.		A		D		E		G		W		B	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
15M26-10-12-PT	5/8	7/8x18	5/8	3.25	83	0.38	9,8	2.25	57	0.60	15	7/8	2.31	59		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15G26 Male Tube-O - Rigid - Internal Long Pilot (3-Step)

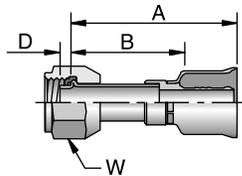


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# Part Number	Thread		Hose I.D.		A		H		B	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
15G26-6-6	3/8	5/8x18	5/16	1.78	45	0.625	0.92	23		
15G26-8-8	1/2	3/4x16	13/32	1.95	50	3/4	1.09	28		
15G26-10-10	5/8	7/8x14	1/2	4.05	103	7/8	3.10	79		
15G26-10-12	5/8	7/8x14	5/8	2.19	56	0.875	1.25	32		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15S26 Female Tube-O - Swivel - Short Pilot



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# Part Number	Thread		Hose I.D.		A		D		W		B	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	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		

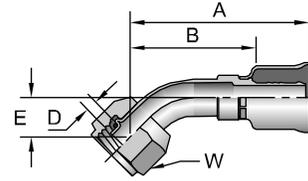
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15H26

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

# Part Number	Thread		Hose I.D. inch	A		D		E		W		B	
	inch	mm		inch	mm	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	5/8	3.43	87	0.18	4,7	0.67	17	1-1/16	2.46	62	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



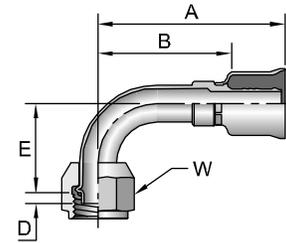
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15T26

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

# Part Number	Thread		Hose I.D. inch	A		D		E		W		B	
	inch	mm		inch	mm	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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



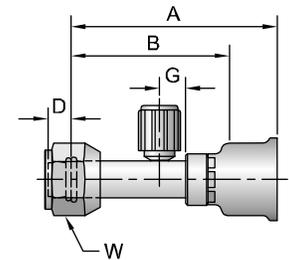
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15926-PB

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

# Part Number	Thread		Hose I.D. inch	A		D		G		W		B	
	inch	mm		inch	mm	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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



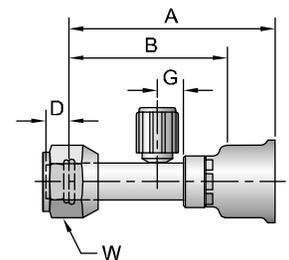
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15926-PT

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

# Part Number	Thread		Hose I.D. inch	A		D		G		W		B	
	inch	mm		inch	mm	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	

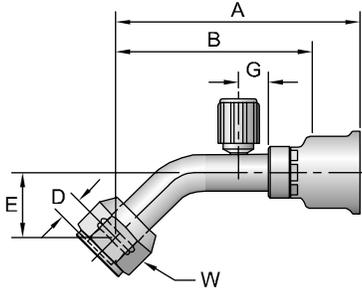
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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15N26-PB

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



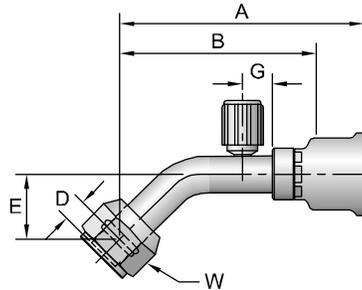
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# Part Number	Thread inch	Hose I.D. inch	A inch mm		D inch mm		E inch mm		G inch mm		W inch	B inch mm	
15N26-8-8-PB	1/2 3/4x16	13/32	3.67	93	0.38	9,8	0.90	23	0.60	15	7/8	2.81	72

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15N26-PT

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



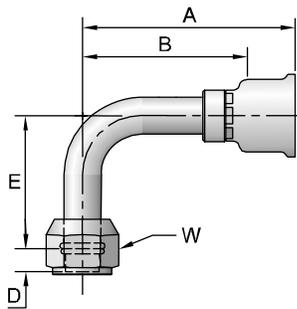
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# Part Number	Thread inch	Hose I.D. inch	A inch mm		D inch mm		E inch mm		G inch mm		W inch	B inch mm	
15N26-10-12-PT	5/8 7/8x14	5/8	3.92	100	0.38	9,8	1.21	31	0.60	15	1-1/16	2.98	76

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15L26

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



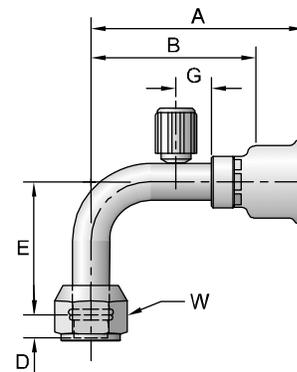
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# Part Number	Thread inch	Hose I.D. inch	A inch mm		D inch mm		E inch mm		W inch	B inch mm	
15L26-8-8	1/2 3/4x16	13/32	2.14	54	0.38	9,8	1.46	37	7/8	1.28	33

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15L26-PB

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



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# Part Number	Thread inch	Hose I.D. inch	A inch mm		D inch mm		E inch mm		G inch mm		W inch	B 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

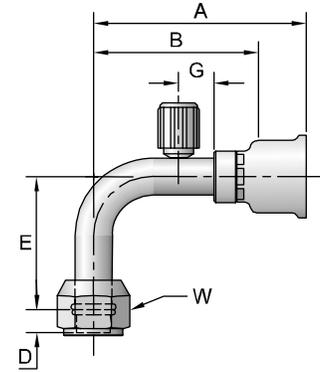
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15L26-PT

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

Part Number	Thread		Hose I.D.	A		D		E		G		W		B	
	inch			inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



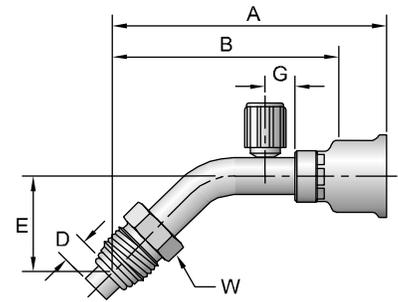
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15P26-PT

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

# Part Number	Thread		Hose I.D.	A		D		E		G		W	B	
	inch			inch	mm	inch	mm	inch	mm	inch	mm		inch	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



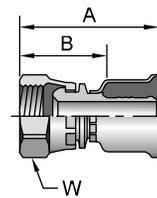
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17B26

Female Air Brake Jounce Line - Swivel

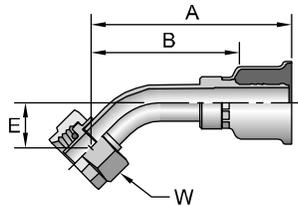
# Part Number	Thread		Hose inch	A		W	B	
	inch			inch	mm		inch	mm
17B26-8-6BA	1/2	3/4x20	5/16	1.75	44	11/16	0.89	23
17B26-8-8BA	1/2	3/4x20	13/32	1.75	44	11/16	0.89	23

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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15V26 Female Compressor - Swivel - 45° Elbow

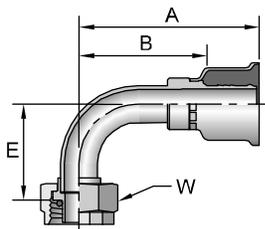


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# Part Number	Thread inch	Hose I.D. inch	A		E		W		
			inch	mm	inch	mm	inch	inch	mm
15V26-12-8	1x14	13/32	2.72	69	0.75	19	1-1/8	1.86	47
15V26-12-12	1x14	5/8	3.39	86	0.76	19	1-1/8	2.45	62

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15W26 Female Compressor - Swivel - 90° Elbow

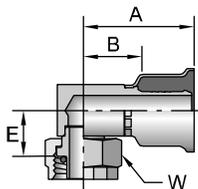


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# Part Number	Thread inch	Hose I.D. inch	A		E		W		
			inch	mm	inch	mm	inch	inch	mm
15W26-12-8	1x14	13/32	2.24	57	1.25	32	1.125	1.38	35
15W26-12-12	1x14	5/8	3.04	77	1.63	41	1.125	2.10	53

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

15Z26 Female Compressor - Swivel - 90° Elbow - Block Type

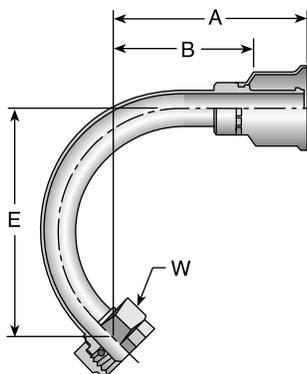


view on web page

# Part Number	Thread inch	Hose I.D. inch	A		E		W		
			inch	mm	inch	mm	inch	inch	mm
15Z26-12-8	1X14	13/32	1.79	45	0.80	20	1.125	0.93	24
15Z26-12-12	1X14	5/8	1.87	47	0.80	20	1.125	0.93	24

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1RV26 Female Compressor - Swivel - 135° Elbow



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# Part Number	Hose I.D. inch	A		E		W		
		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

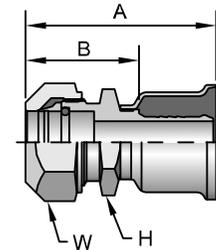
1T126

Male Refrigerant Tube Mender (with Nut and Ferrule)

# Part Number	Thread		Hose I.D. inch	A		H inch	B	
	inch	inch		inch	mm		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	1-1/16x14	5/8	2.33	59	1-1/8	1.39	35

1T126 Assembly instructions below.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

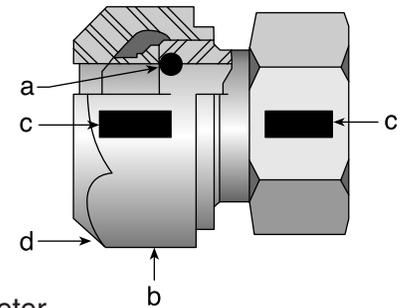


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1T126

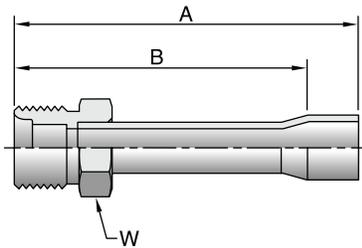
Fitting Installation Instructions

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)
(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.



Hose Products Division prides itself on delivering exceptional quality and reliability when it comes to air conditioning components. Parker's male and female end tube connections with or without a pilot as well as our 26 series fittings for hose connections were specifically designed for the rigorous requirements of automotive, mobile, bus and transit applications. Utilizing both of these types of fittings as well as our 285 hose will give you the ability to make your own custom hose tube assembly for air conditioner applications.

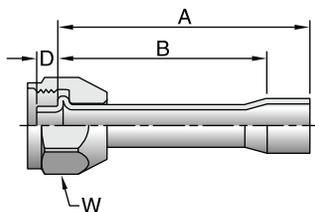
14GZ Male Insert O-ring Braze Nut



# Part Number	Thread		A		W	B	
	inch	inch	inch	mm	inch	inch	mm
14GZ-6-6	3/8	5/8 - 18	4.0	101.6	5/8	3.62	92.0
14GZ-8-8	1/2	3/4 - 16	4.0	101.6	3/4	3.62	92.0
14GZ-10-10	5/8	7/8 - 14	4.0	101.6	7/8	3.62	92.0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

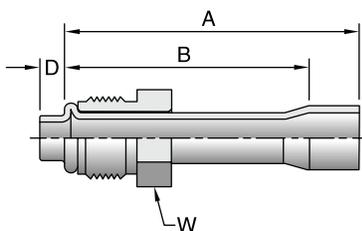
5SGZ Female Tube-O - Swivel - Short Pilot



# Part Number	Thread		A		D		W	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
5SGZ-6-6	3/8	5/8 - 18	4.0	101.6	0.18	4.7	3/4	3.62	92.0
5SGZ-8-8	1/2	3/4 - 16	4.0	101.6	0.18	4.7	7/8	3.62	92.0
5SGZ-10-10	5/8	7/8 - 14	4.0	101.6	0.18	4.7	1 1/16	3.62	92.0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

S5GZ Male Tube-O - Swivel - Short Pilot



# Part Number	Thread		A		D		W	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
S5GZ-6-6	3/8	5/8 - 18	4.0	101.6	0.18	4.7	5/8	3.62	92.0
S5GZ-8-8	1/2	3/4 - 18	4.0	101.6	0.18	4.7	3/4	3.62	92.0
S5GZ-10-10	5/8	7/8 - 18	4.0	101.6	0.18	4.7	7/8	3.62	92.0

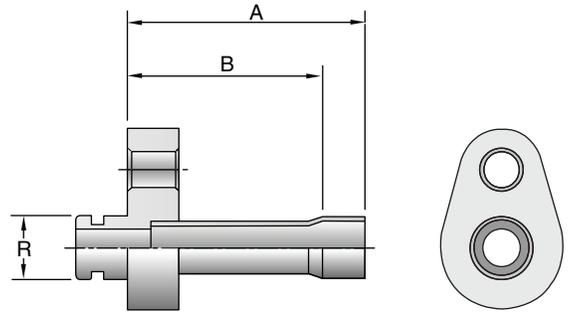
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

ZJGZ

Male "C" Plate Seal / O-ring Block

# Part Number	A		R		B	
	inch	mm	inch	mm	inch	mm
ZJGZ-8-8	4.0	101.6	0.606	15.4	3.62	92.0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

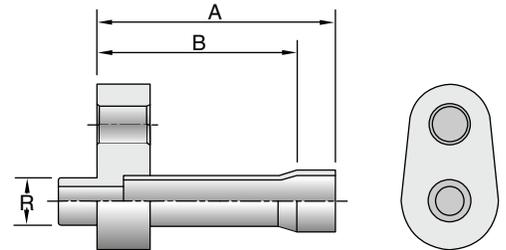


ZKHZ

Male Encapsulated Slimline Seal Block

# Part Number	A		R		B	
	inch	mm	inch	mm	inch	mm
ZKHZ-8-8	4.0	101.6	0.459	11.65	3.62	92.0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

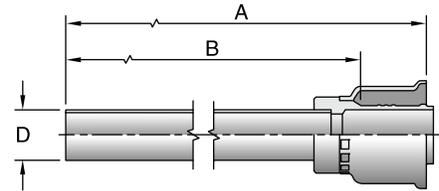


1ZG26

Tube with 26 Series Coupling

# Part Number	Hose I.D.		A		D		B	
	inch	mm	inch	mm	inch	mm	inch	mm
1ZG26-6-6	5/16	-6	25.8	654	3/8	9.5	24	609
1ZG26-8-8	13/32	-8	25.8	654	1/2	12.7	24	609
1ZG26-10-10	1/2	-10	25.8	654	5/8	15.9	24	609

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

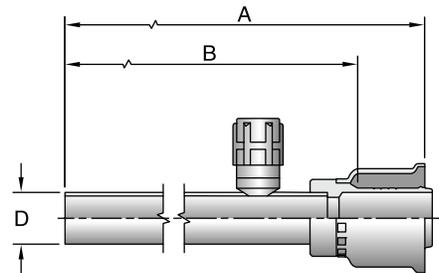


1ZG26-PB

Tube with High Pressure Charge Port

# Part Number	Hose I.D.		A		D		Charge Port	B	
	inch	mm	inch	mm	inch	mm		inch	mm
1ZG26-6-6-PB	5/16	-6	25.8	654	3/8	9.5	368014	24	609

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



1ZG26-PT

Tube with Low Pressure Charge Port

# Part Number	Hose I.D.		A		D		Charge Port	B	
	inch	mm	inch	mm	inch	mm		inch	mm
1ZG26-10-10-PT	1/2	-10	25.8	654	5/8	15.9	737826	24	609

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Instructions for Custom Hose Assembly Repairs

Learn how to select the appropriate fittings and couplings to properly prepare tube and hose assemblies that meet SAE J2064 requirements below.



1. FITTING SELECTION

The first thing to determine when making a custom hose tube assembly are the fittings to use. Utilizing both tube couplings and hose fittings will give you the ability to make your own custom hose assembly that can be bent to fit a variety of applications.

2. TUBE PREPARATION

Next you will need to cut the tube end to achieve the desired length using a Parker Kloskut or similar tubing cutter. Many times, an assembly will only be repaired due to a quality issue with the fitting and doesn't require a complete replacement. In those circumstances, simply cut the tube in a location that enables you to easily replace that particular fitting. Kloskut tube cutters feature a hardened and burnished tool-steel cutting wheel, flare cut-off grooves in rollers for removal of old flares and a swing-away reamer for removing internal burrs.

3. BRAZING

The third step in the assembly process is to braze both the tube coupling and hose fitting shell to each end of the tube.

4. CLEANING

After the brazed area has been cleaned and dried, it is recommended that the brazed area be spray painted to prevent rust from forming in the area where the plating on the parts was removed during the brazing process. After you've brazed the assembly, you have to clean it. To make cleaning easier, add braze cleaner to the hot water. This sudden cooling cracks the braze flux residue, making it easier to remove. Any remaining residue can be removed by careful wire brushing. Braze cleaner does not provide corrosion protection.

5. CORROSION PROTECTION

This is an extremely important step following brazing and even more so following the use of a braze cleaner. The residue left on the surface by the cleaner, especially on the I.D. of the tube, can cause rusting in carbon steel tubes rather quickly if it is not neutralized. Therefore, it is important to neutralize the cleaner residue after cleaning with a solution such as Bernite 1362 (mix 4 ounces of Bernite 136 with one gallon of water).

6. PAINTING

After the brazed area has been cleaned and dried, it is recommended that the brazed area be spray painted to prevent rust from forming in the area where the plating on the parts was removed during the brazing process.

7. BENDING TUBE END

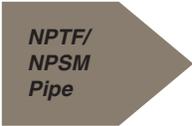
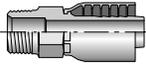
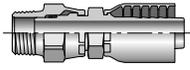
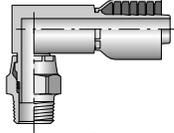
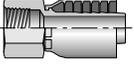
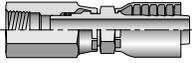
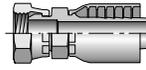
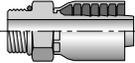
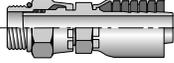
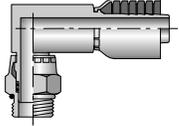
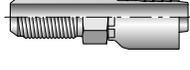
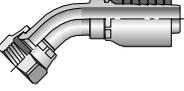
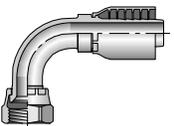
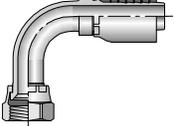
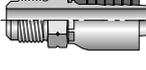
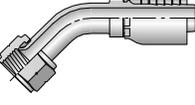
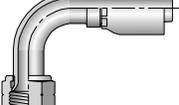
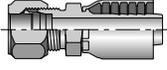
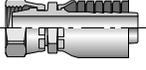
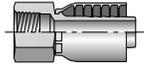
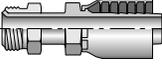
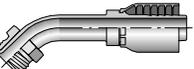
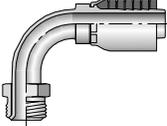
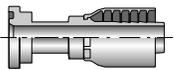
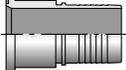
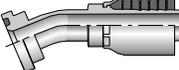
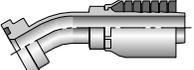
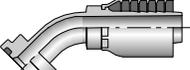
The tube ends can be custom cut and bent after brazing.

8. HOSE SELECTION

The last step in the process is choosing the proper hose to be attached to the newly created tube assembly. Parker's 285 hose is designed specifically for the rigorous requirements automotive, mobile, bus and transit applications. This air conditioning hose has a long service life, resists moisture ingress and minimizes refrigerant permeation due to a nylon barrier. Our 285 hose is Parkrimp compatible and is available in from -4 to -12 sizes. Hoses should be cut to desired length using Parker's cut-off tool prior to crimping.

9. HOSE CRIMPING

To properly attach 26 series fittings to Parker's 285 hose, please reference CrimpSource for crimping instructions. CrimpSource is Parker's exclusive online software application that supplies you with the necessary crimp specifications in order to adhere to our strict safety standards. You can access CrimpSource by visiting www.parker.com/crimpsource

	10143 B-30  Male - Rigid	0143 B-30  Flange Head	11343 B-31  Male - Swivel	11L43 B-31  Male - Swivel 90° Elbow	10243 B-32  Female - Rigid
1S243 B-32  Female - Swivel	10743 B-32  Female - Swivel		10543 B-33  Male - Rigid	10G43 B-33  Male - Swivel	10L43 B-34  Male - Swivel 90° Elbow
	10343 B-34  Male - Rigid	1LB43 B-35  Male - Bulkhead	10643 B-35  Female - Swivel	13743 B-36  Female - Swivel 45° Elbow - Short	1L743 B-36  Female - Swivel 45° Elbow - Medium
13943 B-37  Female - Swivel 90° Elbow - Short	1L943 B-37  Female - Swivel 90° Elbow - Medium	14143 B-38  Female - Swivel 90° Elbow - Long		10443 B-38  Male - Rigid	10843 B-38  Female - Swivel
17743 B-39  Female - Swivel 45° Elbow	17943 B-39  Female - Swivel 90° Elbow		11143 B-39  Male - Rigid	11243 B-40  Female - Swivel	1GJ43 B-40  Female - Rigid
	12843 B-40  Male - Swivel	16743 B-40  Male - Swivel 45° Elbow	16943 B-41  Male - Swivel 90° Elbow		11543 B-41  Flange Head
1543 B-41  Flange Head	11643 B-42  22-1/2° Elbow	12643 B-42  30° Elbow	11743 B-42  45° Elbow	12743 B-43  60° Elbow	11843 B-43  67-1/2° Elbow

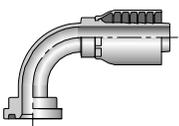
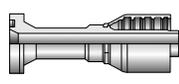
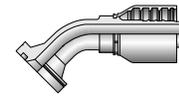
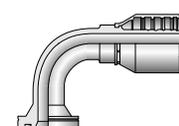
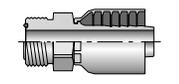
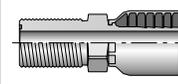
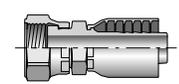
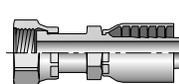
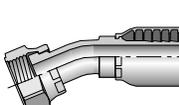
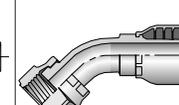
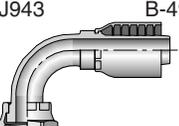
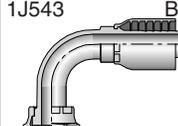
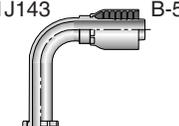
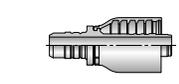
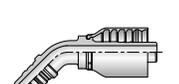
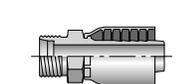
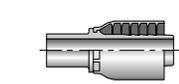
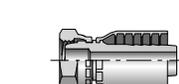
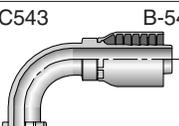
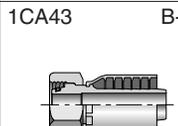
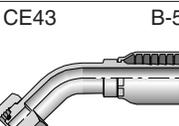
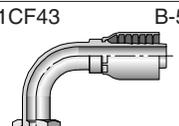
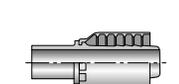
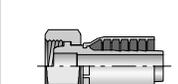
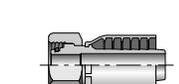
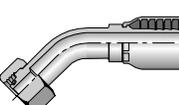
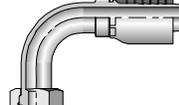
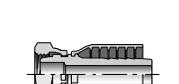
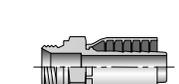
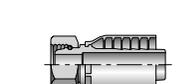
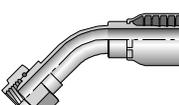
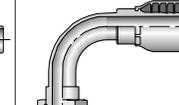
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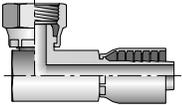
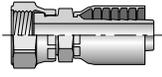
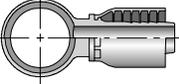
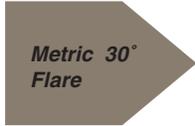
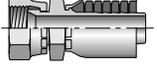
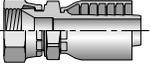
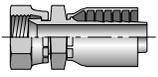
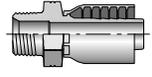
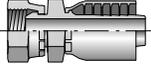
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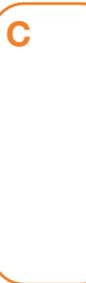
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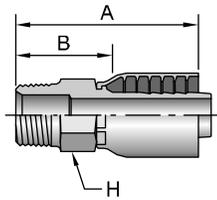
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11943 B-43  90° Elbow	Code 62 Flange		16A43 B-44  Flange Head	16F43 B-44  45° Elbow	16N43 B-44  90° Elbow	Seal-Lok® (O-Ring Face Seal)			
1J043 B-45  Male - Rigid w/O-Ring	1JB43 B-45  Male - Bulkhead w/O-Ring	1JC43 B-46  Female - Swivel Short	1JS43 B-47  Female - Swivel Long	1J643 B-47  Female - Swivel 22-1/2° Elbow	1J743 B-48  Female - Swivel 45° Elbow				
1J943 B-49  Female - Swivel 90° Elbow - Short	1J543 B-49  Female - Swivel 90° Elbow - Medium	1J143 B-50  Female - Swivel 90° Elbow - Long	UPTC		1EN43 B-52  Male	1ET43 B-52  Male 90° Elbow			
1EU43 B-52  Male 45° Elbow	DIN "L" Series & DIN "L" w/O-Ring		1D043 B-53  Male - Rigid	11D43 B-53  Male Standpipe Rigid	1C343 B-54  Female - Swivel	1C443 B-54  Female - Swivel 45° Elbow			
1C543 B-54  Female - Swivel 90° Elbow	1CA43 B-55  Female - Swivel	1CE43 B-55  Female - Swivel 45° Elbow	1CF43 B-56  Female - Swivel 90° Elbow	DIN "S" Series & DIN "S" w/O-Ring		1D243 B-56  Male - Rigid			
13D43 B-57  Male Standpipe Rigid	1C643 B-57  Female - Swivel	1C943 B-58  Female - Swivel	10C43 B-59  Female - Swivel 45° Elbow	11C43 B-59  Female - Swivel 90° Elbow	DIN 60° Cone				
1C043 B-58  Female - Swivel	BSP		1D943 B-60  Male - Rigid	19243 B-60  Female - Swivel	1B143 B-61  Female - Swivel 45° Elbow	1B243 B-61  Female - Swivel 90° Elbow			

<p>1B443 B-61</p>  <p><i>Female - Swivel 90° Elbow - Block Type</i></p>	<p>1B543 B-62</p>  <p><i>Female - Swivel Flat Seat</i></p>	<p>Banjo</p> 	<p>14943 B-62</p>  <p><i>Metric Banjo</i></p>	<p>Metric 30° Flare</p> 	<p>1MU43 B-63</p>  <p><i>Female - Swivel</i></p>
<p>1XU43 B-63</p>  <p><i>Female - Swivel</i></p>	<p>JIS</p> 	<p>1FU43 B-63</p>  <p><i>Female - Swivel</i></p>	<p>1UT43 B-64</p>  <p><i>Male - Rigid</i></p>	<p>1GU43 B-64</p>  <p><i>Female - Swivel</i></p>	<p>43 Series Crimp Shell</p> 
<p>B-64</p>  <p><i>43 Series Crimp Shell (for -40 only)</i></p>					



10143 Male NPTF Pipe - Rigid



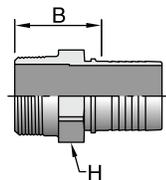
view on web page

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	3.59	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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

0143 Male NPTF Pipe - Rigid



view on web page

# Part Number	Thread inch	Hose I.D. inch	H inch	B	
				inch	mm
0143-40-40	2-1/2x8	2-1/2	3	3.09	78,4
0143-48-48	3x8	3	3-5/8	3.13	79,6

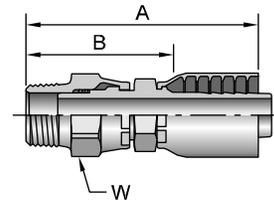
-40 size sold as a two piece fitting. See page B-64 for -40 shell.
Approved for 187 Hose only.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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



view on web page

O-Ring not compatible with Phosphate Ester fluids.

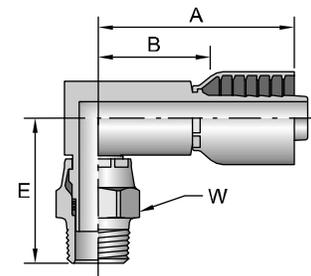
Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

11L43

Male NPTF Pipe - Swivel - 90° Elbow

# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B	
			inch	mm	inch	mm		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



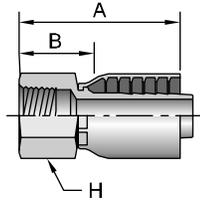
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O-Ring not compatible with Phosphate Ester fluids.

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10243 Female NPTF Pipe - Rigid

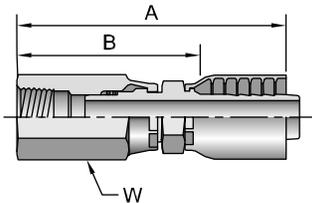


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# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
10243-2-4	1/8x27	1/4	1.68	43	5/8	0.93	24
10243-4-4	1/4x18	1/4	1.78	45	11/16	1.03	26
10243-4-6	1/4x18	3/8	2.05	52	3/4	1.02	26
10243-6-4	3/8x18	1/4	2.05	52	7/8	1.30	33
10243-6-6	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1S243 Female NPTF Pipe - Swivel

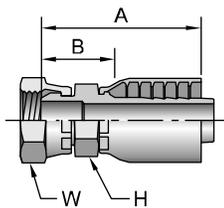


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# Part Number	Thread inch	Hose I.D. inch	A		W inch	B	
			inch	mm		inch	mm
1S243-4-4	1/4x18	1/4	3.33	85	3/4	2.58	66

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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



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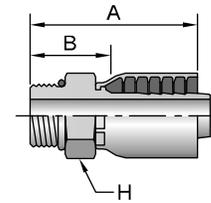
# Part Number	Thread inch	Hose I.D. inch	A		H inch	W inch	B	
			inch	mm			inch	mm
10743-2-4	1/8x27	1/4	1.69	43	9/16	9/16	0.94	24
10743-4-4	1/4x18	1/4	1.74	44	9/16	11/16	0.99	25
10743-6-6	3/8x18	3/8	2.09	53	11/16	7/8	1.06	27
10743-8-8	1/2x14	1/2	2.32	59	15/16	1	1.06	27
10743-12-12	3/4x14	3/4	2.70	69	1-1/16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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10543

Male SAE Straight Thread with O-Ring - Rigid

# Part Number	Thread inch		Hose I.D. inch	A		H inch	B	
				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
10543-8-10	1/2	3/4x16	5/8	2.63	67	1	1.19	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



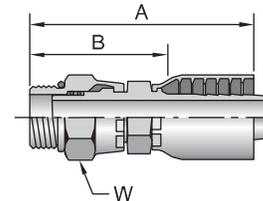
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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10G43

Male SAE Straight Thread with O-Ring - Swivel

# Part Number	Thread inch		Hose I.D. inch	A		W inch	B	
				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



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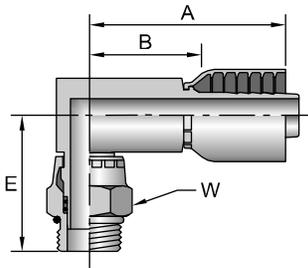
O-Ring not compatible with Phosphate Ester fluids.

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10L43

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



view on web page

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	inch		inch	mm	inch	mm		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.

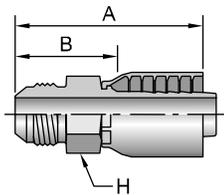
Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10343

Male JIC 37° - Rigid

ISO 12151-5



view on web page

# Part Number	Thread		Hose I.D. inch	A		H inch	B	
	inch	inch		inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

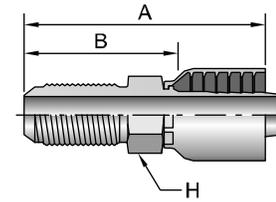
1LB43

Male JIC 37° - Bulkhead without Locknut

# Part Number	Thread		Hose I.D. inch	A		H inch	B	
	inch	7/16x20		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

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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10643

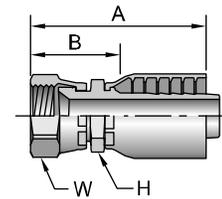
Female JIC 37° - Swivel

ISO 12151-5

# Part Number	Thread		Hose I.D. inch	A		H inch	W inch	B		Additional Material Stainless Steel (C)
	inch	7/16x20		inch	mm			inch	mm	
10643-4-4	1/4	7/16x20	1/4	1.94	49,0	9/16	9/16	1.19	30,0	•
10643-4-6	1/4	7/16x20	3/8	2.20	56,0	11/16	9/16	1.17	30,0	
10643-5-4	5/16	1/2x20	1/4	2.03	52,0	9/16	5/8	1.28	33,0	
10643-5-5	5/16	1/2x20	5/16	2.08	53,0	11/16	5/8	1.33	34,0	
10643-5-6	5/16	1/2x20	3/8	2.26	57,0	11/16	5/8	1.23	31,0	
10643-6-4	3/8	9/16x18	1/4	2.05	52,0	9/16	11/16	1.30	33,0	
10643-6-5	3/8	9/16x18	5/16	2.10	53,0	11/16	11/16	1.35	34,0	
10643-6-6	3/8	9/16x18	3/8	2.29	58,0	11/16	11/16	1.26	32,0	•
10643-6-8	3/8	9/16x18	1/2	2.51	64,0	13/16	11/16	1.25	32,0	
10643-8-6	1/2	3/4x16	3/8	2.49	63,0	11/16	7/8	1.46	37,0	•
10643-8-8	1/2	3/4x16	1/2	2.77	67,0	13/16	7/8	1.51	35,0	•
10643-8-10	1/2	3/4x16	5/8	2.82	72,0	15/16	7/8	1.38	35,0	
10643-8-12	1/2	3/4x16	3/4	2.83	72,0	1-1/16	7/8	1.39	35,0	
10643-10-6	5/8	7/8x14	3/8	2.51	64,0	7/8	1	1.48	38,0	
10643-10-8	5/8	7/8x14	1/2	2.85	72,0	7/8	1	1.59	40,0	
10643-10-10	5/8	7/8x14	5/8	2.93	74,0	15/16	1	1.49	38,0	•
10643-10-12	5/8	7/8x14	3/4	2.93	74,0	1-1/16	1	1.49	38,0	
10643-12-8	3/4	1-1/16x12	1/2	2.78	71,0	1-1/16	1-1/4	1.52	39,0	
10643-12-10	3/4	1-1/16x12	5/8	3.10	79,0	1-1/16	1-1/4	1.66	42,0	
10643-12-12	3/4	1-1/16x12	3/4	3.17	81,0	1-1/16	1-1/4	1.73	44,0	•
10643-12-16	3/4	1-1/16x12	1	3.29	84,0	1-3/8	1-1/4	1.67	42,0	
10643-14-12	7/8	1-3/16x12	3/4	3.18	81,0	1-1/4	1-3/8	1.74	44,0	
10643-16-12	1	1-5/16x12	3/4	3.31	84,0	1-1/4	1-1/2	1.87	47,0	
10643-16-16	1	1-5/16x12	1	3.88	98,6	1-3/8	1-1/2	2.26	57,5	•
10643-20-16	1-1/4	1-5/8x12	1	3.81	97,0	1-5/8	2	2.19	56,0	
10643-20-20	1-1/4	1-5/8x12	1-1/4	3.94	100,0	1-7/8	2	2.25	57,0	•
10643-24-24	1-1/2	1-7/8x12	1-1/2	3.84	98,0	2-1/8	2-1/4	2.47	63,0	
10643-32-32	2	2-1/2x12	2	4.73	120,0	2-1/2	2-7/8	2.95	75,0	

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

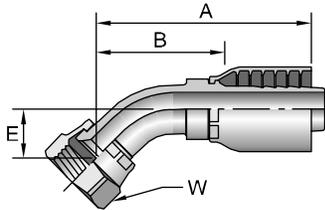


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13743

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

ISO 12151-5



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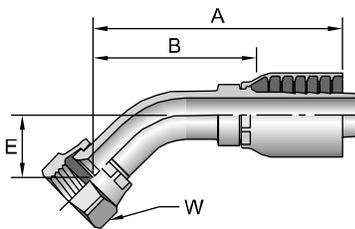
# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		inch	mm	inch	mm		inch	mm
13743-4-4	1/4	7/16x20	1/4	1.96	50.0	0.39	10	9/16	1.21	31.0
13743-5-4	5/16	1/2x20	1/4	2.19	56.0	0.39	10	5/8	1.26	37.0
13743-6-4	3/8	9/16x18	1/4	2.23	57.0	0.39	10	11/16	1.48	38.0
13743-6-6	3/8	9/16x18	3/8	2.76	70.0	0.39	10	11/16	1.73	43.9
13743-8-6	1/2	3/4x16	3/8	2.74	70.0	0.55	14	7/8	1.74	44.0
13743-8-8	1/2	3/4x16	1/2	3.20	81.2	0.55	14	7/8	1.94	49.3
13743-10-8	5/8	7/8x14	1/2	2.93	74.0	0.63	16	1	1.67	42.0
13743-10-10	5/8	7/8x14	5/8	3.17	81.0	0.63	16	1	1.73	44.0
13743-12-10	3/4	1-1/16x12	5/8	3.62	92.0	0.83	21	1-1/4	2.08	53.0
13743-12-12	3/4	1-1/16x12	3/4	3.63	92.0	0.78	20	1-1/4	2.19	56.0
13743-16-16	1	1-5/16x12	1	4.34	110.0	0.95	24	1-1/2	2.72	69.0
13743-20-20	1-1/4	1-5/8x12	1-1/4	4.59	117.0	1.19	30	2	2.82	72.0
13743-24-24	1-1/2	1-7/8x12	1-1/2	5.50	140.0	1.47	37	2-1/4	4.18	106.0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1L743

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

ISO 12151-5



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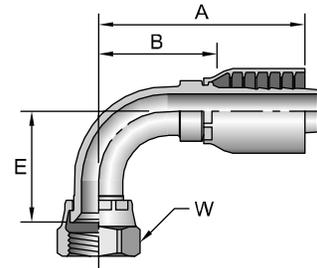
# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		inch	mm	inch	mm		inch	mm
1L743-6-6	3/8	9/16x18	3/8	2.66	62	0.59	15	11/16	1.63	41
1L743-8-8	1/2	3/4x16	1/2	3.17	80	0.72	18	7/8	1.91	49
1L743-12-12	3/4	1-1/16x12	3/4	4.23	107	1.06	27	1-1/4	2.79	71
1L743-16-16	1	1-5/16x12	1	4.51	115	1.07	27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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

13943

Female JIC 37° - Swivel - 90° Elbow - Short Drop ISO 12151-5

# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B		
			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
13943-32-32	2	2-1/2x12	2	6.75	171,4	4.62	117	2-7/8	4.97	126,2



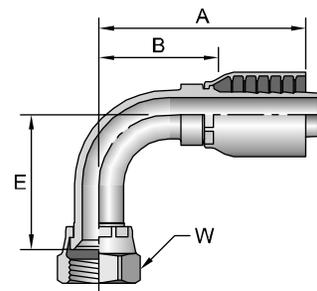
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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1L943

Female JIC 37° - Swivel - 90° Elbow - Medium Drop ISO 12151-5

# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B		
			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

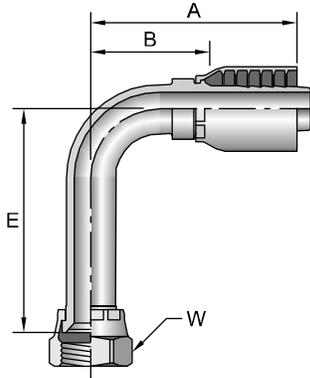


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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

14143

Female JIC 37° - Swivel - 90° Elbow - Long Drop ISO 12151-5



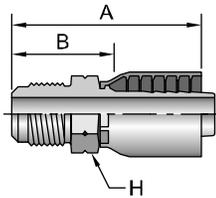
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# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	inch		inch	mm	inch	mm		inch	mm
14143-4-4	1/4	7/16x20	1/4	1.96	50	1.81	46	9/16	1.21	31
14143-5-4	5/16	1/2x20	1/4	1.93	49	1.80	46	5/8	1.18	30
14143-6-6	3/8	9/16x18	3/8	2.27	58	2.18	55	11/16	1.27	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10443

Male SAE 45° - Rigid



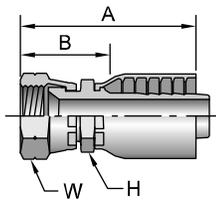
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# Part Number	Thread		Hose I.D. inch	A		H inch	B	
	inch	inch		inch	mm		inch	mm
10443-6-6	3/8	5/8x18	3/8	2.21	56	3/4	1.21	31
10443-12-12	3/4	1-1/16x14	3/4	3.20	81	1-1/8	1.77	45

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10843

Female SAE 45° - Swivel



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# Part Number	Thread		Hose I.D. inch	A		H inch	W inch	B	
	inch	inch		inch	mm			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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

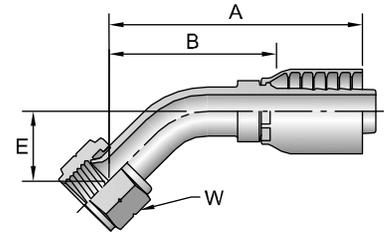
Notch on nut signifies SAE 45° flare.

17743

Female SAE 45° - Swivel - 45° Elbow

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



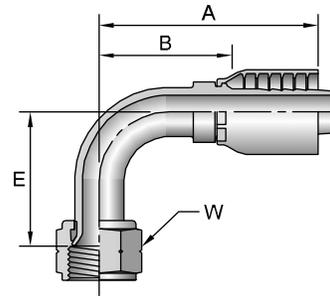
view on web page

17943

Female SAE 45° - Swivel - 90° Elbow

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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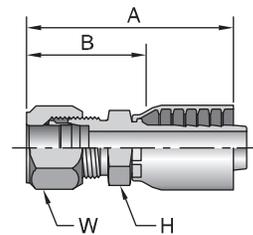
11143

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

# Part Number	Thread		Hose I.D. inch	A		H	W	B	
	inch	mm		inch	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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

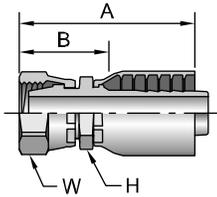


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Notch on nut signifies SAE 45° flare.

11243

Female Ferulok Flareless - Swivel - (24° Cone)



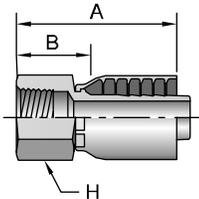
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# Part Number	Thread		Hose I.D. inch	A		H inch	W inch	B	
	inch	inch		inch	mm			inch	mm
11243-6-6	3/8	9/16x18	3/8	2.51	64	11/16	11/16	1.48	38
11243-8-6	1/2	3/4x16	3/8	2.67	68	7/8	7/8	1.64	42
11243-8-8	1/2	3/4x16	1/2	2.89	73	7/8	7/8	1.63	41

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1GJ43

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



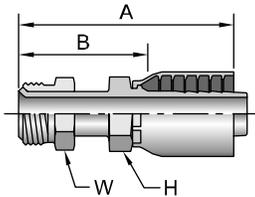
view on web page

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

12843

Male Inverted SAE 45° - Swivel



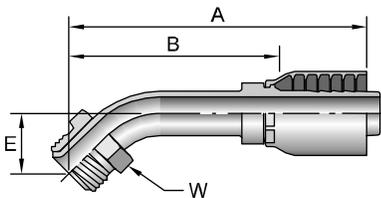
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# Part Number	Thread		Hose I.D. inch	A		H inch	W inch	B	
	inch	inch		inch	mm			inch	mm
12843-4-4	1/4	7/16x24	1/4	2.32	59	9/16	7/16	1.57	40
12843-4-6	1/4	7/16x24	3/8	2.65	67	11/16	7/16	1.62	41
12843-5-4	5/16	1/2x20	1/4	2.60	66	9/16	1/2	1.85	47
12843-5-6	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
12843-8-8	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16743

Male Inverted SAE 45° - Swivel - 45° Elbow



view on web page

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	inch		inch	mm	inch	mm		inch	mm
16743-4-4	1/4	7/16x24	1/4	2.09	53	0.63	16	7/16	1.34	34
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

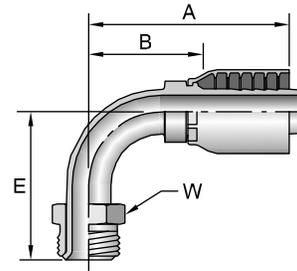
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16943

Male Inverted SAE 45° - Swivel - 90° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		inch	mm	inch	mm		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
16943-8-8	1/2	3/4x18	1/2	2.81	71	1.88	48	3/4	1.55	39

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



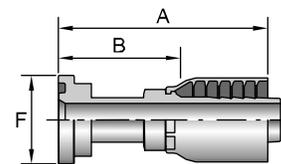
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11543

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

# Part Number	Flange inch	Hose I.D. inch	A		F inch	B	
			inch	mm		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	2.42	61,5
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	2-13/16	2.60	66
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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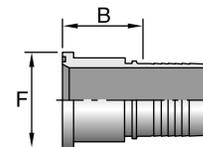
1543

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

# Part Number	Flange inch	Hose I.D. inch	F inch	B	
				inch	mm
1543-40-40	2-1/2x8	2-1/2	3-15/16	2.73	69,2
1543-48-48	3	3	4	3.54	90,0

-40 size sold as a two piece fitting. See page B-64 for -40 shell. Approved for 187 Hose only.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



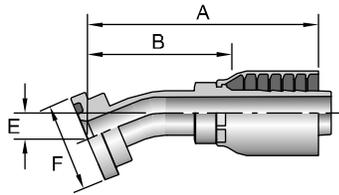
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See Accessories Section for O-Rings and Flange Kits.

11643

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

ISO 12151-3 - E22M - L



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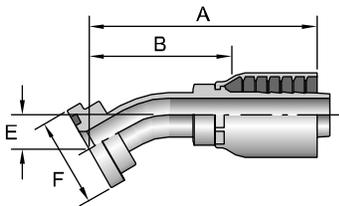
# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
11643-12-12	3/4	3/4	3.90	99	0.44	11	1-1/2	2.47	63
11643-16-12	1	3/4	3.89	99	0.44	11	1-3/4	2.46	62
11643-16-16	1	1	4.25	108	0.44	11	1-3/4	2.66	68
11643-20-16	1-1/4	1	4.25	108	0.44	11	2	2.66	68
11643-20-20	1-1/4	1-1/4	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

12643

SAE Code 61 Flange Head - 30° Elbow

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



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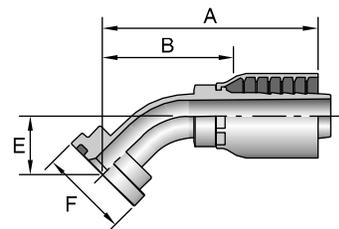
# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
12643-12-12	3/4	3/4	3.90	99	0.59	15	1-1/2	2.46	62
12643-16-16	1	1	4.38	111	0.62	16	1-3/4	2.76	70
12643-20-16	1-1/4	1	4.38	111	0.62	16	2	2.76	70
12643-20-20	1-1/4	1-1/4	4.39	112	0.72	18	2	2.70	69

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

11743

SAE Code 61 Flange Head - 45° Elbow

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



view on web page

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
11743-8-8	1/2	1/2	2.99	76	0.75	19	1-3/16	1.73	44
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	3.30	84	0.87	22	1-1/2	2.04	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	1.50	38	2-3/8	3.86	98
11743-24-24	1-1/2	1-1/2	5.50	140	1.42	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	7.67	195	2.21	56	2-13/16	5.89	150

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

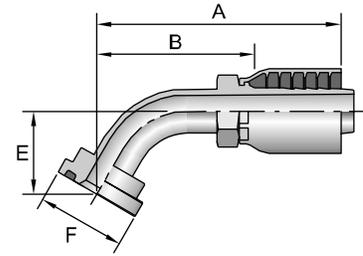
12743

SAE Code 61 Flange Head - 60° Elbow

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

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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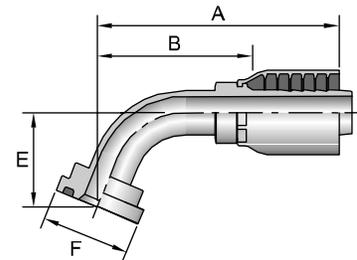
11843

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

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

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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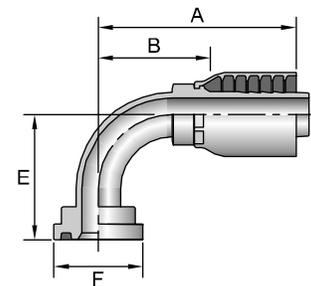
11943

SAE Code 61 Flange Head - 90° Elbow

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

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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
11943-16-12	1	3/4	3.59	91	2.24	57	1-3/4	2.15	55
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
11943-20-24	1-1/4	1-1/2	4.19	106	2.49	63	2	2.82	72
11943-24-20	1-1/2	1-1/4	5.09	129	3.54	90	2-3/8	3.40	86
11943-24-24	1-1/2	1-1/2	5.50	140	4.09	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	5.43	114	2-13/16	4.97	126

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



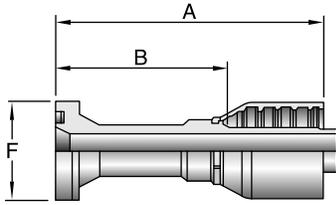
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See Accessories Section for O-Rings and Flange Kits.

16A43

SAE Code 62 Flange Head

ISO 12151-3 - S - S



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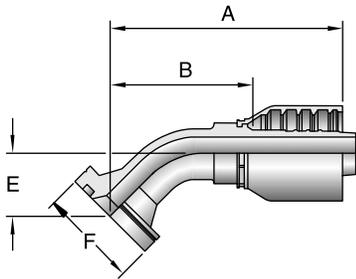
# Part Number	Flange inch	Hose I.D. inch	A		B		F	
			inch	mm	inch	mm	inch	mm
16A43-12-12	3/4	3/4	4.12	104,6	2.68	68,0	1-5/8	
16A43-16-12	1	3/4	3.10	78,7	1.66	42,2	1-7/8	
16A43-16-16	1	1	4.81	122,2	3.19	81,0	1-7/8	
16A43-20-16	1-1/4	1	3.61	91,7	1.99	50,5	2-1/8	
16A43-20-20	1-1/4	1-1/4	5.01	127,3	3.32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

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16F43

SAE Code 62 Flange Head - 45° Elbow

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



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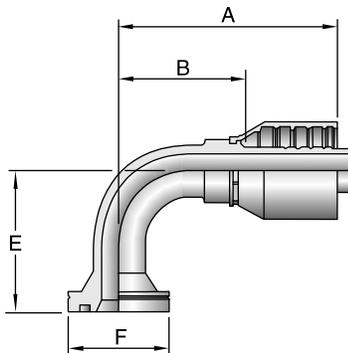
# Part Number	Flange inch	Hose I.D. inch	A		B		F		E	
			inch	mm	inch	mm	inch	mm	inch	mm
16F43-12-12	3/4	3/4	3.82	97,0	2.38	60,5	1-5/8	1.02	25,9	
16F43-16-16	1	1	4.66	118,4	3.04	77,2	1-7/8	1.26	32,0	
16F43-20-16	1-1/4	1	4.57	116,1	2.95	74,9	2-1/8	1.06	26,9	

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16N43

SAE Code 62 Flange Head - 90° Elbow

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



view on web page

# Part Number	Flange inch	Hose I.D. inch	A		B		F		E	
			inch	mm	inch	mm	inch	mm	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	

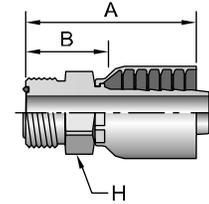
⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J043

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

SAE J516 (Apr2016)

# Part Number	Thread		Hose I.D. inch	A		H inch	B	
	inch	mm		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



view on web page

Supplied with Parker's exclusive Trap-Seal™, which leads to improved retention within Seal-Lok's™ ORFS groove and virtually eliminates costly leakage and/or time consuming pre-assembly handling.

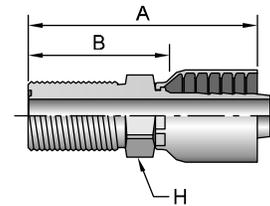
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1JB43

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

End Connection per SAE J516 (Apr2016)

# Part Number	Thread		Hose I.D. inch	A		H mm	B	
	inch	mm		inch	mm		inch	mm
1JB43-4-4	1/4	9/16x18	1/4	2.67	68	22	1.92	49
1JB43-6-6	3/8	11/16x16	3/8	3.08	78	27	2.05	52
1JB43-8-8	1/2	13/16x16	1/2	3.44	87	30	2.18	55
1JB43-10-8	5/8	1x14	1/2	3.69	94	36	2.43	62
1JB43-10-10	5/8	1x14	5/8	3.88	99	36	2.44	62
1JB43-12-12	3/4	1-3/16x12	3/4	3.95	100	41	2.51	64



view on web page

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

Supplied with Parker's exclusive Trap-Seal™, which leads to improved retention within Seal-Lok's™ ORFS groove and virtually eliminates costly leakage and/or time consuming pre-assembly handling.

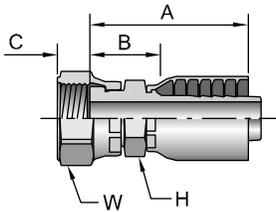
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



1JC43

Female Seal-Lok® - Swivel - Short

ISO 12151-1 - SWSA



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# Part Number	Thread		Hose I.D. inch	A		C		H		W		B	Additional Material Stainless Steel (C)
	inch	mm		inch	mm	inch	mm	inch	mm	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		
1JC43-10-10	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		
1JC43-12-12	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.

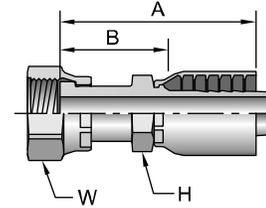
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1JS43

Female Seal-Lok® - Swivel - Long ISO 12151-1 SWSB

# Part Number	Thread		Hose I.D. inch	A		H inch	W inch	B	
	inch	9/16x18		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	2.26	65

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



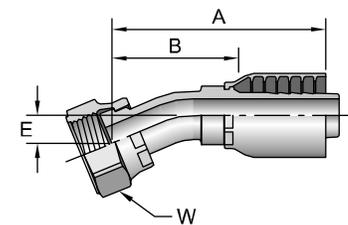
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1J643

Female Seal-Lok® - Swivel - 22-1/2° Elbow End Connection per ISO 8434-3-SWE

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	13/16x16		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



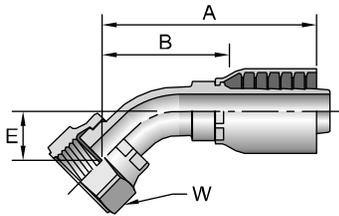
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See Accessories Section for O-Rings.

1J743

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45



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# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	inch		inch	mm	inch	mm		inch	mm
1J743-4-4	1/4	9/16x18	1/4	1.97	50.0	0.39	10	11/16	1.22	31.0
1J743-4-4-SM	1/4	9/16x18	1/4	1.97	50.0	0.39	10	17 mm	1.22	31.0
1J743-4-6	1/4	9/16x18	3/8	2.23	57.0	0.39	10	11/16	1.20	30.0
1J743-6-4	3/8	11/16x16	1/4	2.08	53.0	0.43	11	13/16	1.33	34.0
1J743-6-4-SM	3/8	11/16x16	1/4	2.08	53.0	0.43	11	22 mm	1.33	34.0
1J743-6-5	3/8	11/16x16	5/16	2.37	60.0	0.43	11	13/16	1.62	41.0
1J743-6-6	3/8	11/16x16	3/8	2.74	69.5	0.43	11	13/16	1.71	43.4
1J743-6-8	3/8	11/16x16	1/2	2.66	68.0	0.43	11	13/16	1.41	36.0
1J743-8-4	1/2	13/16x16	1/4	2.56	65.0	0.59	15	15/16	1.81	46.0
1J743-8-6	1/2	13/16x16	3/8	2.53	64.0	0.59	15	15/16	1.50	38.0
1J743-8-6-SM	1/2	13/16x16	3/8	2.53	64.0	0.59	15	24 mm	1.50	38.0
1J743-8-8	1/2	13/16x16	1/2	3.20	81.2	0.59	15	15/16	1.94	49.3
1J743-8-8-SM	1/2	13/16x16	1/2	3.20	81.2	0.59	15	24 mm	1.94	49.3
1J743-8-10	1/2	13/16x16	5/8	3.09	78.0	0.59	15	15/16	1.65	42.0
1J743-10-8	5/8	1x14	1/2	2.93	74.0	0.63	16	1-1/8	1.67	42.0
1J743-10-10	5/8	1x14	5/8	3.17	81.0	0.63	16	1-1/8	1.73	44.0
1J743-10-12	5/8	1x14	3/4	3.36	85.0	0.65	16	1-1/8	1.93	49.0
1J743-12-8	3/4	1-3/16x12	1/2	3.57	91.0	0.82	21	1-3/8	2.31	59.0
1J743-12-10	3/4	1-3/16x12	5/8	3.62	92.0	0.83	21	1-3/8	2.18	55.0
1J743-12-12	3/4	1-3/16x12	3/4	3.63	92.0	0.83	21	1-3/8	2.19	56.0
1J743-12-16	3/4	1-3/16x12	1	3.67	93.0	0.81	21	1-3/8	2.05	52.0
1J743-16-12	1	1-7/16x12	3/4	4.02	102.0	0.94	24	1-5/8	2.59	66.0
1J743-16-16	1	1-7/16x12	1	4.38	111.0	0.94	24	1-5/8	2.76	70.0
1J743-16-20	1	1-7/16x12	1-1/4	4.59	117.0	0.94	24	1-5/8	2.94	75.0
1J743-20-16	1-1/4	1-11/16x12	1	4.52	115.0	1.00	25	1-7/8	2.93	74.0
1J743-20-20	1-1/4	1-11/16x12	1-1/4	4.78	121.0	1.00	25	1-7/8	3.09	78.0
1J743-24-20	1-1/2	2x12	1-1/4	4.99	127.0	1.11	28	2-1/4	3.30	84.0
1J743-24-24	1-1/2	2x12	1-1/2	4.70	119.0	1.07	27	2-1/4	3.33	85.0

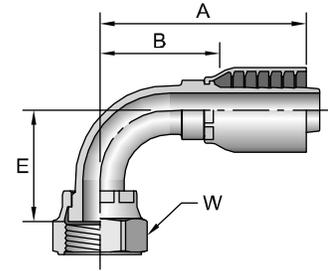
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J943

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

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		inch	mm	inch	mm		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
1J943-6-6	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
1J943-24-24	1-1/2	2x12	1-1/2	5.50	140	2.68	68	2-1/4	4.13	105

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



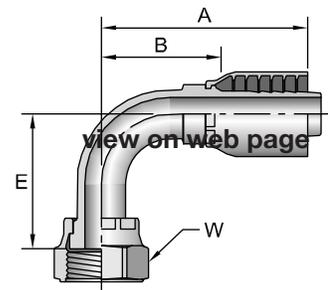
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1J543

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

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		inch	mm	inch	mm		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	1.41	36
1J543-6-6	3/8	11/16x16	3/8	2.40	61	1.50	38	13/16	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

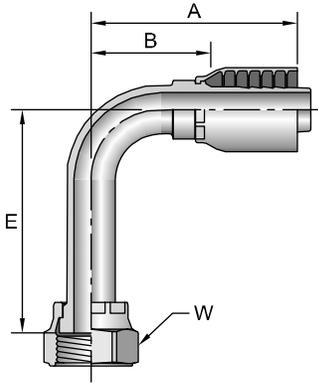


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1J143

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

ISO 12151-1 - SWEL90



view on web page

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	inch		inch	mm	inch	mm		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	2.13	54	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
1J143-10-8	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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

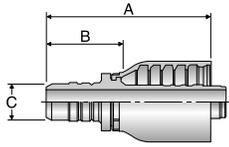
Fig. 1b

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

1EN43 UPTC Male

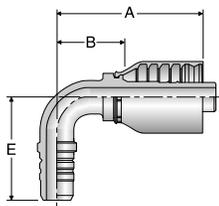


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# Part Number	Hose End Size inch	A inch	B inch	C Nominal Connection Size	
				inch	mm
1EN43-8-4	1/4	1.83	1.08	0.31	8
1EN43-12-6	3/8	2.15	1.12	0.47	12
1EN43-15-8	1/2	2.51	1.25	0.59	15
1EN43-18-10	5/8	2.78	1.34	0.71	18
1EN43-22-12	3/4	2.81	1.37	0.87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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1ET43 UPTC Male 90° Elbow

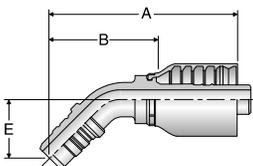


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# Part Number	Hose End Size inch	A inch	B inch	C Nominal Connection Size		E inch
				inch	mm	
1ET43-8-4	1/4	1.78	1.03	0.31	8	1.54
1ET43-12-6	3/8	2.21	1.18	0.47	12	1.54
1ET43-15-8	1/2	2.51	1.25	0.59	15	1.77
1ET43-18-10	5/8	2.97	1.53	0.71	18	2.24
1ET43-22-12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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1EU43 UPTC Male 45° Elbow



view on web page

# Part Number	Hose End Size inch	A inch	B inch	C Nominal Connection Size		E inch
				inch	mm	
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

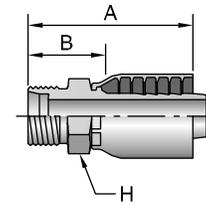
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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
1D043-12-6	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



view on web page

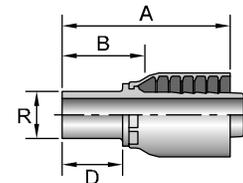
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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
11D43-15-8	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

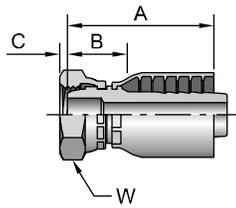


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Metric L: Mates with EO "L" Series Fittings. See Accessories Section for O-Rings.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1C343 Female Metric L - Swivel - (Ball Nose)



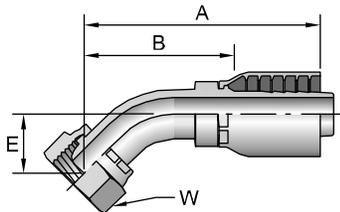
view on web page

# Part Number	Thread		Hose I.D. inch	A		C		W mm	B	
	mm			inch	mm	inch	mm		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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1C443 Female Metric L - Swivel - 45° Elbow - (Ball Nose)

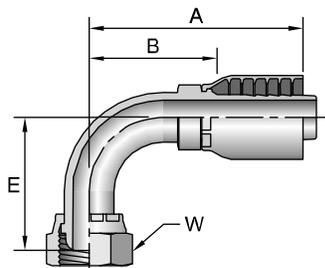


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# Part Number	Thread		Hose I.D. inch	A		E		W mm	B	
	mm			inch	mm	inch	mm		inch	mm
1C443-8-4	8	M14x1,5	1/4	2.40	61	0.59	15	17	1.50	38
1C443-10-5	10	M16x1,5	5/16	2.60	66	0.67	17	19	1.61	41
1C443-10-6	10	M16x1,5	3/8	2.76	70	0.67	17	19	1.61	41
1C443-12-6	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1C543 Female Metric L - Swivel - 90° Elbow - (Ball Nose)



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# Part Number	Thread		Hose I.D. inch	A		E		W mm	B	
	mm			inch	mm	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

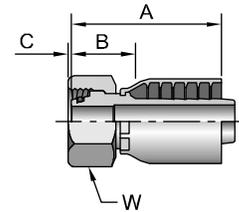
Metric L: Mates with EO "L" Series Fittings.

1CA43

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

ISO 12151-2 - SWS

# Part Number	Thread mm	Hose I.D. inch	A		C inch	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
1CA43-10-6	10 M16x1,5	3/8	2.08	53	0.02	19	1.05	27
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	1.05	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
1CA43-42-24	42 M52x2	1-1/2	3.02	77	0.07	60	1.65	42



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

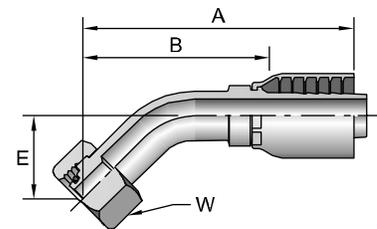
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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
1CE43-28-16	28 M36x2	1	4.92	125	1.34	34	41	3.30	84

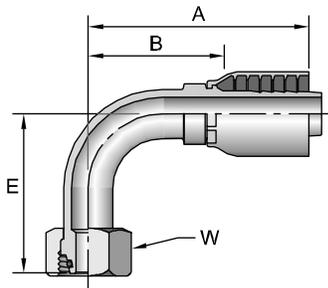


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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1CF43

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



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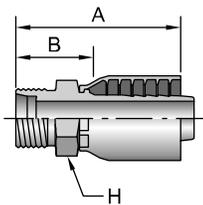
# Part Number	Thread mm	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm	mm	inch	mm
1CF43-8-4	8 M14x1,5	1/4	2.01	51	1.14	29	17	1.10	28
1CF43-10-4	10 M16x1,5	1/4	2.05	52	1.14	29	19	1.10	28
1CF43-10-5	10 M16x1,5	5/16	2.40	61	1.16	29	19	1.46	37
1CF43-10-6	10 M16x1,5	3/8	2.56	65	1.38	35	19	1.46	37
1CF43-12-6	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
1CF43-28-16	28 M36x2	1	4.44	113	3.07	78	41	2.82	72
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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1D243

Male Metric S - Rigid - (24° Cone) ISO 12151-2



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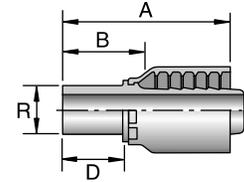
# Part Number	Thread mm	Hose I.D. inch	A		H	B	
			inch	mm	mm	inch	mm
1D243-8-4	8 M16x1,5	1/4	1.73	44	17	0.87	22
1D243-10-4	10 M18x1,5	1/4	1.73	44	19	0.87	22
1D243-12-5	12 M20x1,5	5/16	2.20	56	22	1.29	33
1D243-12-6	12 M20x1,5	3/8	1.97	50	22	1.02	26
1D243-14-6	14 M22x1,5	3/8	2.17	55	22	0.98	25
1D243-16-8	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

13D43

Male Standpipe Metric S - Rigid End Connection per ISO 8434-1-SDS

# Part Number			A		D		B	
	R mm	Hose I.D. inch	inch	mm	inch	mm	inch	mm
13D43-10-4	10	1/4	2.13	54	1.02	26	1.26	32
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



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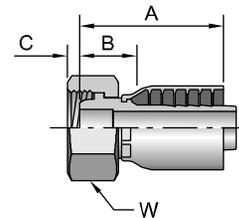
Light Series 11D43-6-4, 11D43-8-4 and 11D43-12-6 are used in place of their Heavy Series equivalent size and accept the EO Heavy "S" Series ferrules and nuts.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1C643

Female Metric S - Swivel - (Ball Nose)

# Part Number			A		C			B	
	Thread mm	Hose I.D. inch	inch	mm	inch	mm	W mm	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
1C643-12-6	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



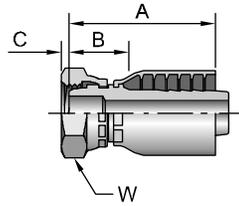
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Metric L: Mates with EO "L" Series Fittings.

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1C043 Female Metric - Swivel - (Ball Nose)

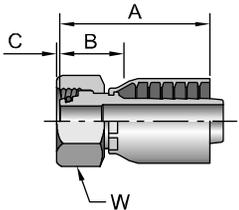


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# Part Number	Thread		Hose I.D. inch	A		C		W mm	B	
	mm	mm		inch	mm	inch	mm		inch	mm
1C043-20-12	20	M30x1,5	3/4	2.48	63	0.21	5	36	0.94	24
1C043-25-16	25	M38x1,5	1	2.99	76	0.28	7	46	1.14	29

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1C943 Female Metric S - Swivel - (24° Cone with O-Ring) ISO 12151-2 - SWS



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# Part Number	Thread		Hose I.D. inch	A		C		W mm	B	
	mm	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
1C943-10-6	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

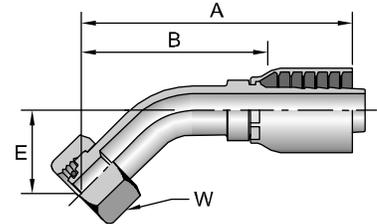
10C43

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
10C43-12-6	12	M20x1,5	3/8	2.72	69	0.79	20	24	1.57	40
10C43-14-6	14	M22x1,5	3/8	2.99	76	0.79	20	27	1.96	50
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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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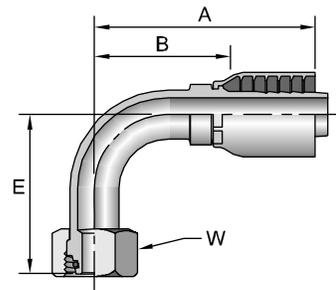
11C43

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

# Part Number	Thread		Hose I.D. inch	A		E		W mm	B	
	mm			inch	mm	inch	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
11C43-20-12	20	M30x2	3/4	3.52	89	2.26	58	36	2.08	53
11C43-25-12	25	M36x2	3/4	3.50	89	2.32	59	46	1.93	49
11C43-25-16	25	M36x2	1	4.29	109	2.72	69	46	2.67	68
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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



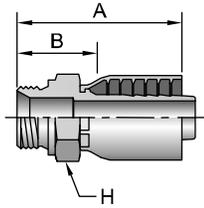
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When used in a port, a bonded seal must be used. See Accessories Section for more information.

1D943

Male BSP Parallel Pipe - Rigid - (60° Cone)

ISO 12151-6



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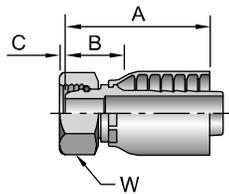
# Part Number	Thread inch	Hose I.D. inch	A		H mm	B	
			inch	mm		inch	mm
1D943-4-4	1/4x19	1/4	1.77	45	19	0.91	23
1D943-6-5	3/8x19	5/16	2.13	54	22	1.22	31
1D943-6-6	3/8x19	3/8	2.13	54	22	1.22	31
1D943-8-6	1/2x14	3/8	2.36	60	27	1.22	31
1D943-8-8	1/2x14	1/2	2.44	62	27	1.10	28
1D943-12-12	3/4x14	3/4	2.76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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

19243

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

ISO 12151-6



view on web page

# Part Number	Thread inch	Hose I.D. inch	A		C		W mm	B	
			inch	mm	inch	mm		inch	mm
19243-2-4	1/8x28	1/4	1.61	41	0.20	5	14	0.67	17
19243-4-4	1/4x19	1/4	1.95	50	0.22	6	19	1.20	30
19243-6-4	3/8x19	1/4	1.73	44	0.26	7	22	0.79	20
19243-6-6	3/8x19	3/8	2.35	60	0.26	7	22	1.32	34
19243-6-8	3/8x19	1/2	2.17	55	0.26	7	22	0.79	20
19243-8-6	1/2x14	3/8	2.01	51	0.28	7	27	0.87	22
19243-8-8	1/2x14	1/2	2.72	69	0.28	7	27	1.46	37
19243-10-8	5/8x14	1/2	2.80	71	0.37	9	30	1.54	39
19243-10-10	5/8x14	5/8	2.99	76	0.37	9	30	1.55	39
19243-12-10	3/4x14	5/8	3.11	79	0.35	9	36	1.67	42
19243-12-12	3/4x14	3/4	3.19	81	0.35	9	36	1.75	44
19243-16-16	1x11	1	3.67	93	0.44	11	41	2.05	52
19243-20-20	1-1/4x11	1-1/4	3.11	79	0.41	11	50	1.26	32

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1B143

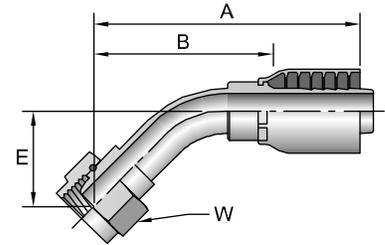
Female BSP Parallel Pipe - Swivel - 45° Elbow - (60° Cone)

ISO 12151-6

# Part Number	Thread inch	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	mm		inch	mm
1B143-4-4	1/4x19	1/4	2.26	57	0.61	15	19	1.51	38
1B143-6-6	3/8x19	3/8	2.61	66	0.67	17	22	1.59	40
1B143-8-8	1/2x14	1/2	3.10	78	0.79	20	27	1.85	46
1B143-10-10	5/8x14	5/8	3.53	89	0.91	23	30	2.08	52
1B143-12-10	3/4x14	5/8	3.47	88	0.87	22	32	2.02	51
1B143-12-12	3/4x14	3/4	3.77	95	0.98	24	32	2.34	59
1B143-16-16	1x11	1	4.72	119	1.22	30	41	3.10	78

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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1B243

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

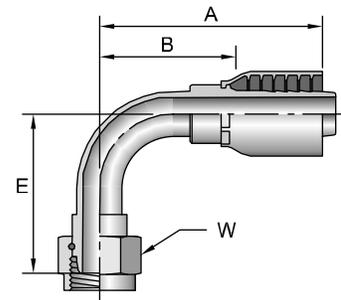
ISO 12151-6

# Part Number	Thread inch	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	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
1B243-8-8	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

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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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1B443

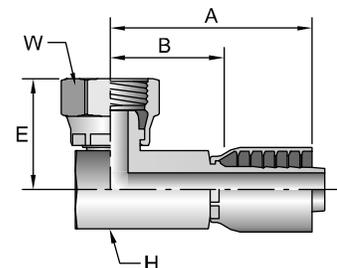
Female BSP Parallel Pipe - Swivel - 90° Elbow - Block Type - (60° Cone)

Elbow - Block Type - (60° Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A		E		H	W	B	
			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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



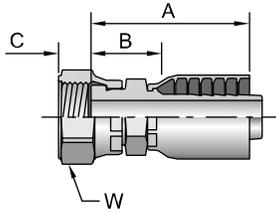
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Metric S: Mates with EO "S" Series Fittings.

1B543

Female BSP Parallel Pipe - Swivel - (Flat Seat)

ISO 228-1



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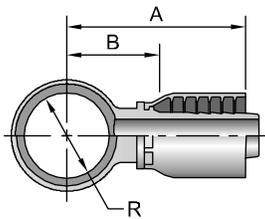
# Part Number	Thread inch	Hose I.D. inch	A inch mm		C inch mm		W mm	B inch mm	
1B543-8-6	1/2x14	3/8	1.89	48	0.43	11	27	0.75	19
1B543-8-8	1/2x14	1/2	2.28	58	0.43	11	27	0.94	24

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

14943

DIN Metric Banjo

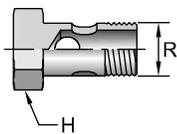


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# Part Number	R mm	Hose I.D. inch	A inch mm		B inch mm	
14943-10-4	10	1/4	1.85	47	0.94	24
14943-12-4	12	1/4	1.85	47	0.98	25
14943-14-5	14	5/16	2.01	51	1.06	27
14943-16-6	16	3/8	2.28	58	1.14	29
14943-18-8	18	1/2	2.60	66	1.22	31
14943-22-10	22	5/8	2.91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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

AM Banjo Bolt w/DIN Metric Thread



# Part Number	R Thread mm	H mm	Copper Washer 2
AM-03	8	M8x1	853009-8
AM-04	10	M10x1	853009-10
AM-06	12	M12x1,5	853009-12
AM-08	14	M14x1,5	853009-14
AM-10	16	M16x1,5	853009-16
AM-13	18	M18x1,5	853009-18
AM-16	22	M22x1,5	853009-22
AM-20	26	M26x1,5	853009-26
AM-30	30	M30x1,5	853009-30

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

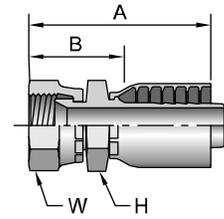
Metric S: Mates with EO "S" Series Fittings.

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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



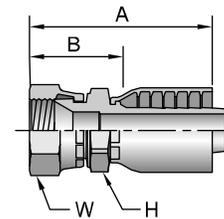
[view on web page](#)

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

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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

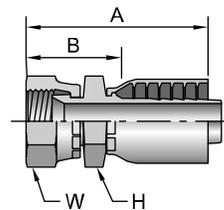


[view on web page](#)

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

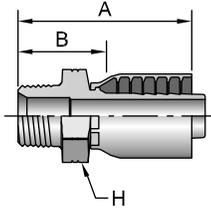


[view on web page](#)

1UT43

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

B8363 Code R



view on web page

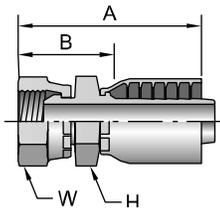
# Part Number	Thread inch	Hose I.D. inch	A		H mm	B	
			inch	mm	mm	inch	mm
1UT43-4-4	1/4x19	1/4	1.92	49	19	1.17	30
1UT43-6-6	3/8x19	3/8	2.25	57	22	1.22	31
1UT43-8-8	1/2x14	1/2	2.68	68	27	1.42	36
1UT43-12-12	3/4x14	3/4	2.96	75	36	1.53	39
1UT43-16-16	1x11	1	3.48	88	41	1.86	47
1UT43-20-20	1-1/4x11	1-1/4	3.75	95	50	2.10	53

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1GU43

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

B8363 Code C

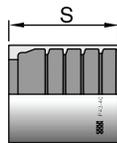


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# Part Number	Thread inch	Hose I.D. inch	A		H mm	W mm	B	
			inch	mm	mm	mm	inch	mm
1GU43-4-4	1/4x19	1/4	2.08	53	19	19	1.33	34
1GU43-6-6	3/8x19	3/8	2.45	62	22	22	1.42	36
1GU43-8-8	1/2x14	1/2	2.81	71	27	27	1.56	40
1GU43-12-12	3/4x14	3/4	3.24	82	36	36	1.81	46
1GU43-16-16	1x11	1	3.74	95	41	41	2.12	54
1GU43-20-20	1-1/4x11	1-1/4	4.07	103	50	50	2.38	60

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

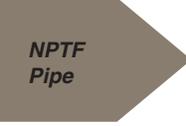
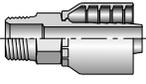
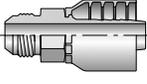
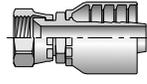
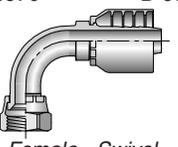
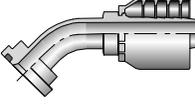
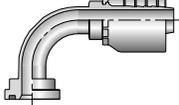
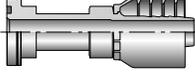
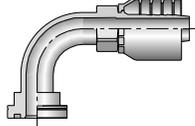
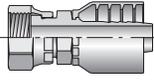
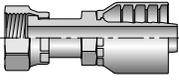
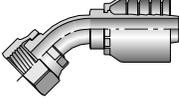
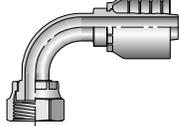
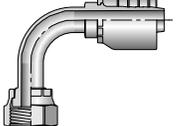
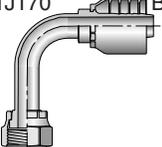
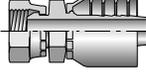
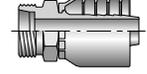
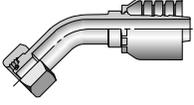
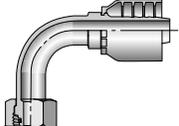
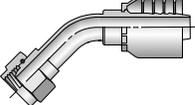
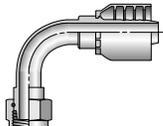
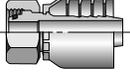
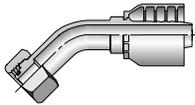
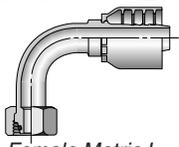
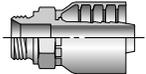
43 Series Crimp Shell



# Part Number	Hose I.D. inch	S	
		inch	mm
10043-40	2-1/2	2.63	66,8
10043-48	3	2.95	75,0

-40 size sold as a two piece fitting. Approved for 187 Hose only.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

 NPTF Pipe	10170 B-66  <i>Male - Rigid</i>	 JIC 37°	10370 B-66  <i>Male - Rigid</i>	10670 B-66  <i>Female - Swivel</i>	13970 B-66  <i>Female - Swivel 90° Elbow - Short</i>
 Code 61 Flange	11770 B-67  <i>45° Elbow</i>	11970 B-67  <i>90° Elbow</i>	 Code 62 Flange	16A70 B-67  <i>Flange Head</i>	16N70 B-68  <i>90° Elbow</i>
 Seal-Lok® (O-Ring Face Seal)	1JC70 B-68  <i>Female - Swivel Short</i>	1JS70 B-68  <i>Female - Swivel Long</i>	1J770 B-68  <i>Femal - Swivel 45° Elbow</i>	1J970 B-69  <i>Female - Swivel 90° Elbow - Short</i>	1J570 B-69  <i>Female - Swivel 90° Elbow - Medium</i>
1J170 B-69  <i>Female - Swivel 90° Elbow - Long</i>	 BSP 60° Cone	1GU70 B-70  <i>Female - Swivel</i>	 French Gaz	1FG70 B-70  <i>Male - Rigid</i>	 Metric
10C70 B-70  <i>Female Metric S - Swivel - 45° Elbow</i>	11C70 B-71  <i>Female Metric S - Swivel - 90° Elbow</i>	19270 B-71  <i>Female BSP - Swivel - 60° Cone</i>	1B170 B-71  <i>Female BSP - Swivel - 45° Elbow</i>	1B270 B-72  <i>Female BSP - Swivel - 90° Elbow</i>	1C970 B-72  <i>Female - Swivel</i>
1CA70 B-72  <i>Female Metric L - Swivel - 24° Cone</i>	1CE70 B-73  <i>Female Metric L - Swivel - 45° Elbow</i>	1CF70 B-73  <i>Female Metric L - Swivel - 90° Elbow</i>	1D270 B-73  <i>Male Metric S - Rigid</i>	1D970 B-73  <i>Male - BSP - Rigid</i>	

A

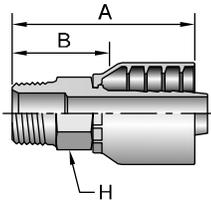
B

C

D

E

10170 Male NPTF Pipe - Rigid

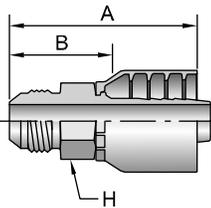


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# Part Number	Thread		Hose I.D.		A		H		B	
	inch		inch		inch	mm	inch		inch	mm
10170-6-6	3/8x18		3/8		2.37	60	3/4		1.47	37
10170-8-8	1/2x14		1/2		2.84	72	7/8		1.40	36

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10370 Male JIC 37° - Rigid

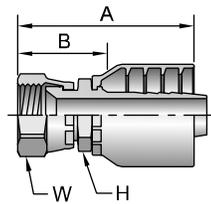


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# Part Number	Thread		Hose I.D.		A		H		B	
	inch		inch		inch	mm	inch		inch	mm
10370-8-8	1/2	3/4x16	1/2		2.68	68	7/8		1.47	37
10370-10-8	5/8	7/8x14	1/2		2.62	66	15/16		1.41	36

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10670 Female JIC 37° - Swivel

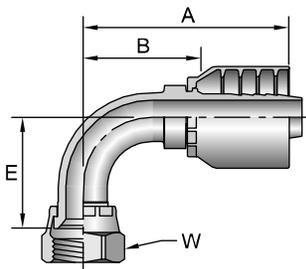


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# Part Number	Thread		Hose I.D.		A		H	W	B	
	inch		inch		inch	mm	inch	inch	inch	mm
10670-6-6	3/8	9/16x18	3/8		2.29	58	11/16	11/16	1.39	35
10670-8-8	1/2	3/4x16	1/2		2.62	67	13/16	7/8	1.41	36
10670-10-8	5/8	7/8x14	1/2		2.85	72	7/8	1	1.64	42
10670-10-10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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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



view on web page

# Part Number	Thread		Hose I.D.		A		E		W		B	
	inch		inch		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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

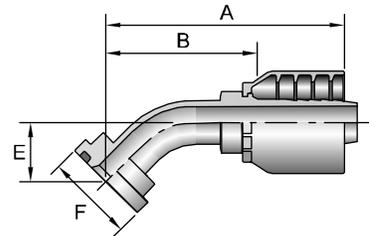
11770

SAE Code 61 Flange Head - 45° Elbow

ISO 12151-3 - 45S - L

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
11770-8-8	1/2	1/2	3.28	83	0.77	20	1-3/16	2.07	53

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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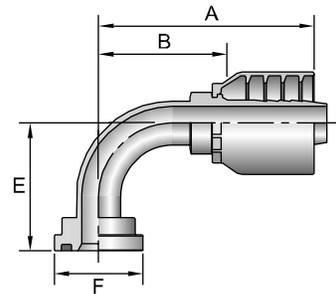
11970

SAE Code 61 Flange Head - 90° Elbow

ISO 12151-3 - E90S - L

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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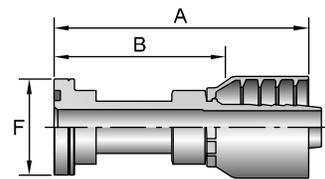
16A70

SAE Code 62 Flange Head

ISO 12151-3 - S - S

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

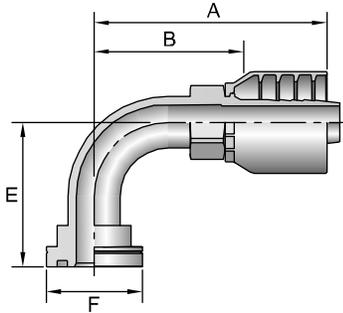


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16N70

SAE Code 62 Flange Head - 90° Elbow

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



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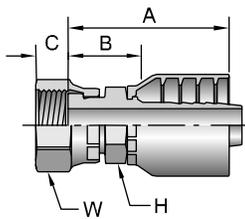
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16N70-8-8	1/2	1/2	2.60	66	1.61	41	1-1/4	1.34	34

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1JC70

Female Seal-Lok® - Swivel - Short

ISO 12151- 1 - SWSA



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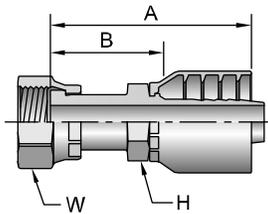
#			A		C				B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	mm
1JC70-6-6	3/8 11/16x16	3/8	1.94	49	0.34	9	11/16	13/16	1.04	26
1JC70-8-6	1/2 13/16x16	3/8	2.00	51	0.43	11	13/16	15/16	1.10	28
1JC70-8-8	1/2 13/16x16	1/2	2.22	56	0.43	11	13/16	15/16	1.01	26
1JC70-10-10	5/8 1x14	5/8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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1JS70

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB



view on web page

#			A				B	
Part Number	Thread inch	Hose I.D. inch	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

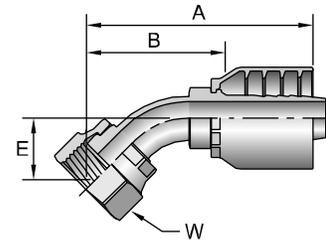
1J770

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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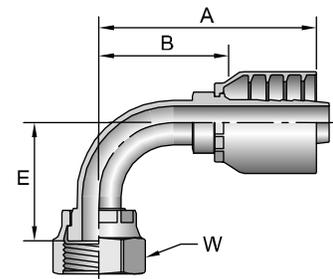
1J970

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

ISO 12151-1 - SWES90

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	13/16x16		inch	mm	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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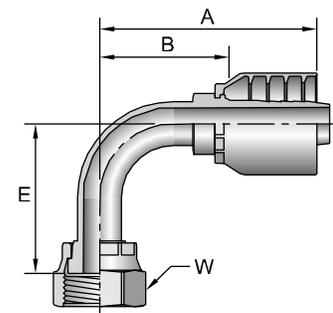
1J570

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

ISO 12151-1 - SWEM90

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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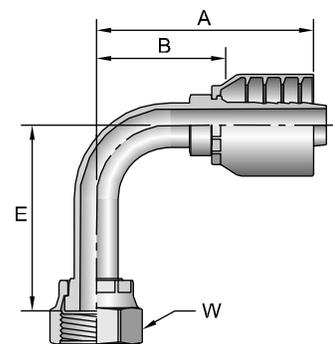
1J170

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

ISO 12151-1 - SWEL90

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	1x14		inch	mm	inch	mm		inch	mm
1J170-10-10	5/8	1x14	5/8	2.88	73	2.76	70	1-1/8	1.63	41

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



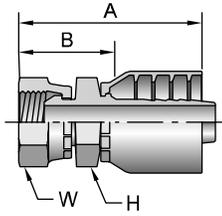
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See Accessories Section for O-Rings and Flange Kits.



1GU70

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

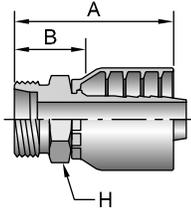


# Part Number	Thread Inch	Hose I.D. inch	A		H	W	B	
			inch	mm	mm	inch	inch	mm
1GU70-8-8	1/2x14	1/2	2.82	72	27	NA	1.61	41

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1FG70

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



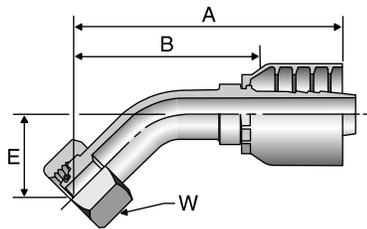
# Part Number	Thread mm	Hose I.D. inch	A		H		B	
			inch	mm	inch	mm	inch	mm
1FG70-21-10	21 M30x1,5	5/8	2.87	73	1.18	30	1.62	41

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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10C70

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



# Part Number	Thread mm	Hose I.D. inch	A		E		W	B	
			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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

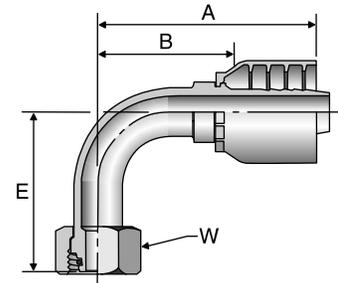
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11C70

Female Metric S - 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
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



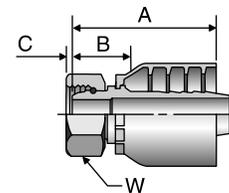
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19270

Female BSP Parallel Pipe - Swivel - (60° Cone) ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A		C		W mm	B	
			inch	mm	inch	mm		inch	mm
19270-8-8	1/2x14	1/2	2.24	57	0.28	7	27	0.87	22
19270-10-10	5/8x14	5/8	2.24	57	0.35	9	30	0.83	21
19270-12-10	3/4x14	5/8	2.40	61	0.35	9	32	0.87	22

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



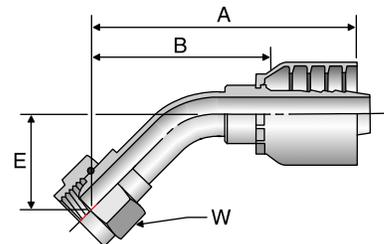
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1B170

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		inch	mm
1B170-8-8	1/2x14	1/2	3.11	79	0.79	20	27	1.77	45

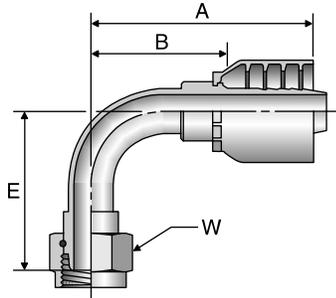
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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1B270

Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)
ISO 228-1



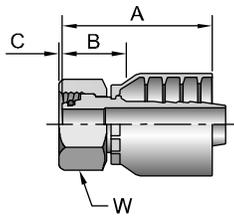
# Part Number	Thread inch	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	mm		inch	mm
1B270-8-8	1/2x14	1/2	2.76	70	1.54	39	27	1.38	35
1B270-10-10	5/8x14	5/8	3.07	78	1.81	46	30	1.61	41
1B270-12-10	3/4x14	5/8	3.19	81	1.65	42	32	1.61	41

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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1C970

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



# Part Number	Thread mm		Hose I.D. inch	A		C		W mm	B	
	mm	mm		inch	mm	inch	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.

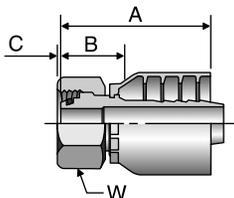
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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1CA70

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	
	mm	mm		inch	mm	inch	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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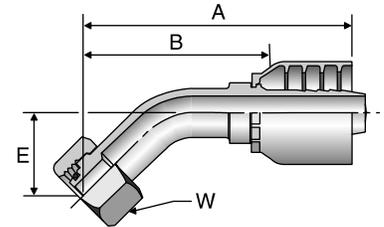
1CE70

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
1CE70-18-10	18 M26x1,5	5/8	3.58	91	0.98	25	32	2.05	52

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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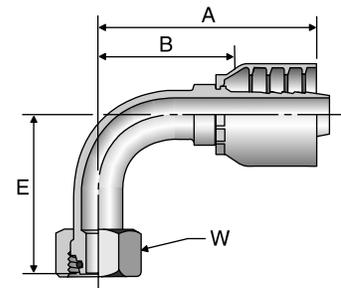
1CF70

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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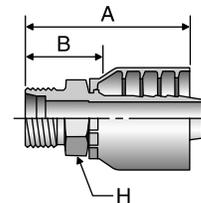
1D270

Male Metric S - Rigid - (24° Cone)

ISO 12151-2

# 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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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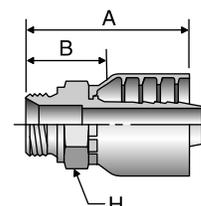
1D970

Male BSP Parallel Pipe - Rigid - (60° Cone)

ISO 228-1

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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Notes

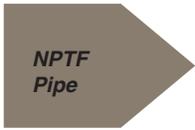
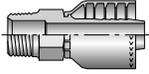
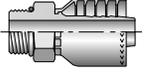
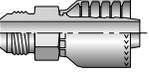
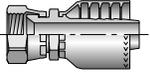
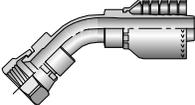
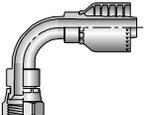
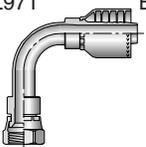
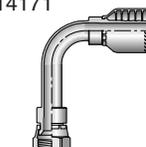
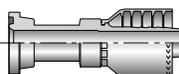
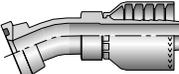
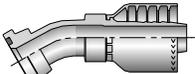
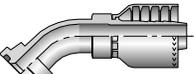
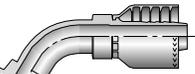
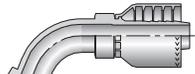
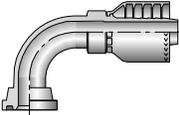
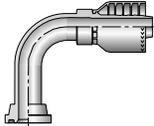
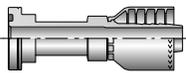
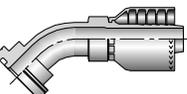
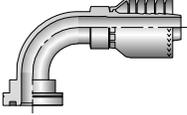
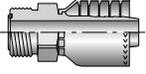
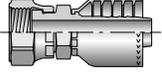
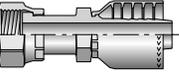
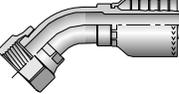
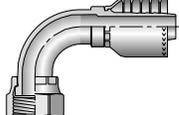
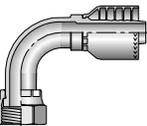
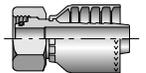
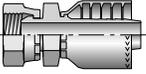
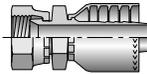
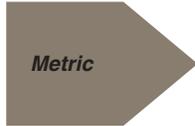
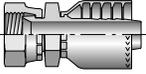
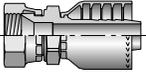
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E

 NPTF Pipe	10171 B-76  <i>Male - Rigid</i>	 SAE	10571 B-76  <i>Male - Rigid</i>	 JIC	10371 B-76  <i>Male - Rigid</i>
10671 B-77  <i>Female - Swivel</i>	13771 B-77  <i>Female - Swivel 45° Elbow - Short</i>	13971 B-78  <i>Female - Swivel 90° Elbow - Short</i>	1L971 B-78  <i>Female - Swivel 90° Elbow - Medium</i>	14171 B-78  <i>Female - Swivel 90° Elbow - Long</i>	 Code 61 Flange
11571 B-79  <i>Flange</i>	11671 B-79  <i>22-1/2° Elbow</i>	12671 B-80  <i>30° Elbow</i>	11771 B-80  <i>45° Elbow</i>	12771 B-81  <i>60° Elbow</i>	11871 B-81  <i>67-1/2° Elbow</i>
11971 B-82  <i>90° Elbow</i>	18971 B-83  <i>90° Elbow-Long</i>	 Code 62 Flange	16A71 B-83  <i>Flange</i>	16F71 B-84  <i>45° Elbow</i>	16N71 B-84  <i>90° Elbow</i>
 Seal-Lok® (O-Ring Face Seal)	1J071 B-84  <i>Male - Rigid</i>	1JC71 B-85  <i>Female - Swivel Short</i>	1JS71 B-85  <i>Female - Swivel Long</i>	1J771 B-86  <i>Female - Swivel 45° Elbow</i>	1J971 B-86  <i>Female - Swivel 90° Elbow - Short</i>
1J571 B-87  <i>Female - Swivel 90° Elbow - Medium</i>	1J171 B-87  <i>Female - Swivel 90° Elbow - Long</i>	 Metric "S"	1C971 B-88  <i>Female - Swivel</i>	 BSP	1GU71 B-88  <i>Female - Swivel</i>
1FU71 B-89  <i>Female - Swivel</i>	 Metric	1MU71 B-89  <i>Female - Swivel</i>	1XU71 B-89  <i>Female - Swivel</i>		

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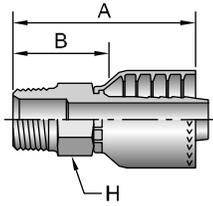
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10171 Male NPTF Pipe - Rigid

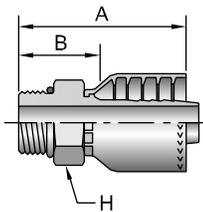


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# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
10171-6-6	3/8x18	3/8	2.36	60	3/4	1.47	37
10171-8-8	1/2x14	1/2	2.82	72	7/8	1.63	41
10171-12-8	3/4x14	1/2	2.67	68	1-1/16	1.47	37
10171-12-12	3/4x14	3/4	3.08	78	1-1/16	1.71	43
10171-16-12	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
10171-24-24	1-1/2x11-1/2	1-1/2	4.32	110	2	2.19	56
10171-32-32	2x11-1/2	2	4.72	118	2-1/2	2.52	64

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10571 Male SAE Straight Thread with O-Ring - Rigid

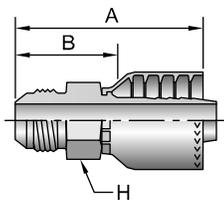


view on web page

# Part Number	Thread inch		Hose I.D. inch	A		H inch	B	
	inch	inch		inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10371 Male JIC 37° - Rigid



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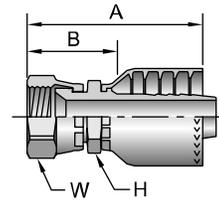
# Part Number	Thread inch		Hose I.D. inch	A		H inch	B	
	inch	inch		inch	mm		inch	mm
10371-6-6	3/8	9/16x18	3/8	2.44	62	3/4	1.55	39
10371-8-6	1/2	3/4x16	3/8	2.29	58	7/8	1.40	36
10371-8-8	1/2	3/4x16	1/2	2.66	68	7/8	1.41	36
10371-10-8	5/8	7/8x14	1/2	2.60	66	15/16	1.41	36
10371-10-10	5/8	7/8x14	5/8	2.93	74	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10671

Female JIC 37° - Swivel

# Part Number	Thread		Hose I.D. inch	A		H inch	W inch	B		Additional Material Stainless Steel (C)
	inch	9/16x18		inch	mm			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	



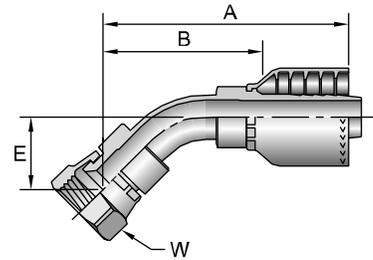
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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

13771

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

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	9/16x18		inch	mm	inch	mm		inch	mm
13771-6-6	3/8	9/16x18	3/8	2.34	59.0	0.43	11	11/16	1.44	37.0
13771-8-8	1/2	3/4x16	1/2	3.20	81.2	0.59	15	7/8	1.99	50.6
13771-10-8	5/8	7/8x14	1/2	2.93	74.0	0.63	16	1	1.72	44.0
13771-10-10	5/8	7/8x14	5/8	3.08	78.0	0.63	16	1	1.83	46.0
13771-12-12	3/4	1-1/16x12	3/4	3.64	92.0	0.83	21	1-1/4	2.26	57.0
13771-16-16	1	1-5/16x12	1	4.20	107.0	0.90	23	1-1/2	2.61	66.0
13771-20-20	1-1/4	1-5/8x12	1-1/4	5.22	133.0	1.69	43	2	3.53	90.0



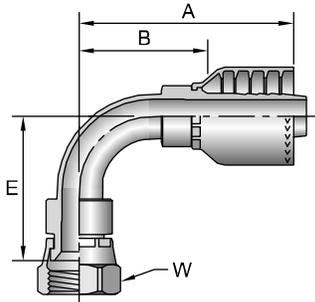
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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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



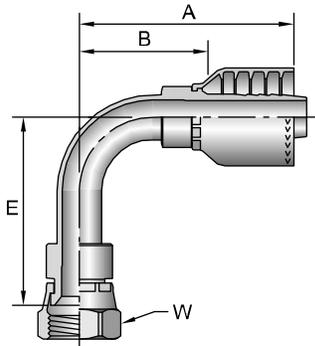
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#	Thread		Hose I.D.	A		E		W	B	
Part Number	inch	inch	inch	inch	mm	inch	mm	inch	inch	mm
13971-6-6	3/8	9/16x18	3/8	2.21	56	0.91	23	11/16	1.31	33
13971-8-8	1/2	3/4x16	1/2	2.62	67	1.14	29	7/8	1.41	36
13971-10-8	5/8	7/8x14	1/2	2.74	70	1.26	32	1	1.53	39
13971-10-10	5/8	7/8x14	5/8	2.88	73	1.26	32	1	1.63	41
13971-12-12	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	2.20	56	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1L971

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

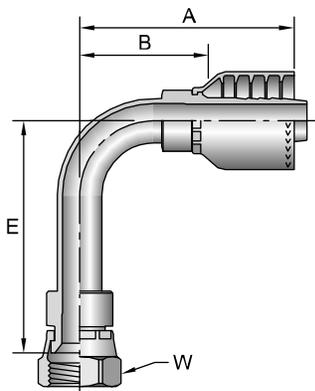


#	Thread		Hose I.D.	A		E		W	B	
Part Number	inch	inch	inch	inch	mm	inch	mm	inch	inch	mm
1L971-10-8	5/8	7/8x14	1/2	3.24	82	1.75	44	1	2.04	52

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

14171

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



view on web page

#	Thread		Hose I.D.	A		E		W	B	
Part Number	inch	inch	inch	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

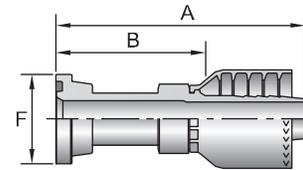
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

11571

SAE Code 61 Flange Head

ISO 12151-3 - S - L

# Part Number	Flange inch	Hose I.D. inch	A		F inch	B	
			inch	mm		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
11571-32-24	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



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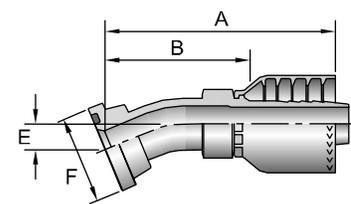
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

11671

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

ISO 12151-3 - E22M - L

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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
11671-20-20	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



view on web page

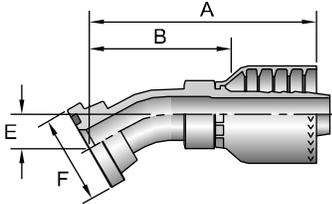
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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)



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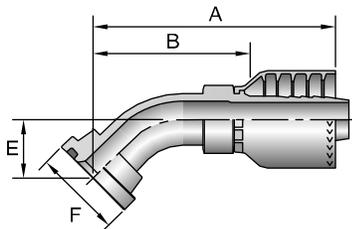
# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
12671-16-16	1	1	4.46	113	0.62	16	1-3/4	2.68	68
12671-24-24	1-1/2	1-1/2	6.01	153	0.88	22	2-3/8	3.82	97
12671-32-32	2	2	7.60	193	1.25	32	2-13/16	5.40	137

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

11771

SAE Code 61 Flange Head - 45° Elbow

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



view on web page

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
11771-12-8	3/4	1/2	3.27	83	0.84	21	1-1/2	2.07	53
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
11771-24-20	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

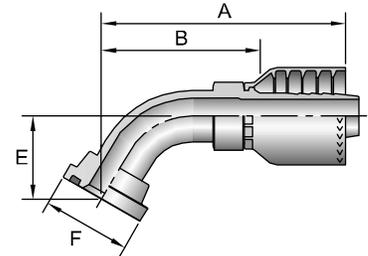
12771

SAE Code 61 Flange Head - 60° Elbow

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

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
12771-12-12	3/4	3/4	4.16	106	1.43	36	1-1/2	2.78	71
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
12771-24-24	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

⚠️ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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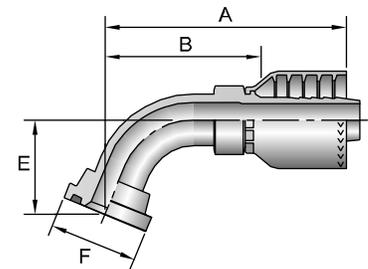
11871

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

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

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
11871-12-12	3/4	3/4	4.12	105	1.62	41	1-1/2	2.74	70
11871-16-16	1	1	4.76	121	1.75	44	1-3/4	2.98	76
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
11871-32-32	2	2	7.89	200	3.31	84	2-13/16	5.69	145

⚠️ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

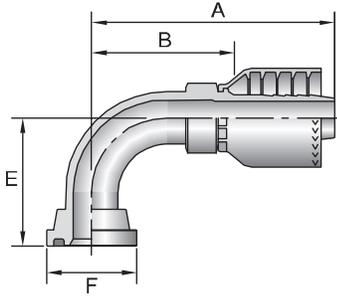


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11971

SAE Code 61 Flange Head - 90° Elbow

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



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# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
11971-8-8	1/2	1/2	2.93	74	1.6	41	1-3/16	1.72	44
11971-12-8	3/4	1/2	2.93	74	1.66	42	1-1/2	1.72	44
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

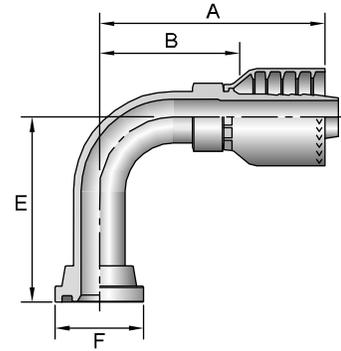
See Accessories Section for O-Rings and Flange Kits.

18971

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

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



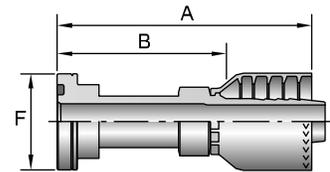
[view on web page](#)

16A71

SAE Code 62 Flange Head ISO 12151-3 - S - S

# Part Number	Flange inch	Hose I.D. inch	A		F inch	B	
			inch	mm		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

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



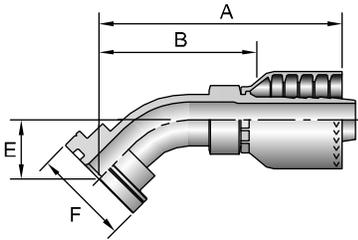
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See Accessories Section for O-Rings and Flange Kits.

16F71

SAE Code 62 Flange Head - 45° Elbow

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



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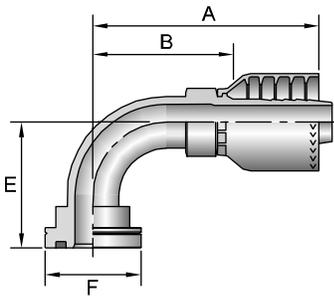
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16F71-12-12	3/4	3/4	3.82	97	1.03	26	1-5/8	2.44	62
16F71-16-16	1	1	4.74	120,3	1.26	32	1-7/8	2.96	75,2
16F71-20-16	1-1/4	1	4.61	117	1.06	27	2-1/8	3.02	77
16F71-20-20	1-1/4	1-1/4	5.07	129	1.19	30	2-1/8	3.38	86
16F71-24-24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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16N71

SAE Code 62 Flange Head - 90° Elbow

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



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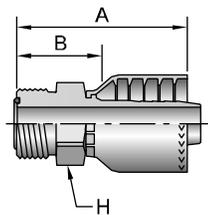
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16N71-12-12	3/4	3/4	3.51	89	2.28	58	1-5/8	2.13	54
16N71-16-12	1	3/4	3.49	89	2.29	58	1-7/8	2.11	54
16N71-16-16	1	1	4.36	111	2.76	70	1-7/8	2.58	66
16N71-20-16	1-1/4	1	4.36	111	2.76	70	2-1/8	2.58	66
16N71-20-20	1-1/4	1-1/4	5.09	129	3.54	90	2-1/8	3.40	86
16N71-24-24	1-1/2	1-1/2	6.73	171	4.09	104	2-1/2	4.54	115
16N71-32-32	2	2	7.73	196	4.50	114	3-1/8	5.53	140

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J071

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

SAE J516 (Apr2016)



view on web page

#			A			B		
Part Number	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1JC71

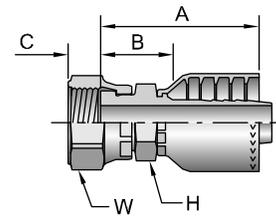
Female Seal-Lok® - Swivel - Short ISO 12151-1 - SWSA

# Part Number	Thread		Hose I.D. inch	A		C		H inch	W inch	B	
	inch	mm		inch	mm	inch	mm			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	1-11/16x12	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.

See Accessories Section for O-Rings and Flange Kits.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



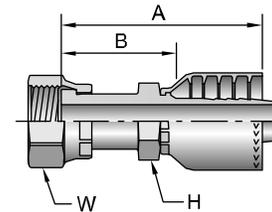
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1JS71

Female Seal-Lok® - Swivel - Long ISO 12151-1 - SWSB

# Part Number	Thread		Hose I.D. inch	A		H inch	W inch	B	
	inch	mm		inch	mm			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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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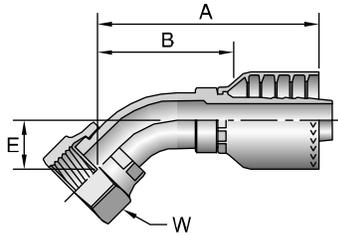
See Accessories Section for O-Rings.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1J771

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45



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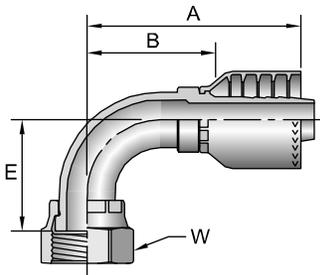
# Part Number	Thread		Hose I.D. inch	A		E		W		B	
	inch	inch		inch	mm	inch	mm	inch	inch	mm	
1J771-6-6	3/8	11/16x16	3/8	2.34	59.0	0.43	11	13/16	1.44	37.0	
1J771-8-8	1/2	13/16x16	1/2	3.20	81.2	0.59	15	15/16	1.99	50.6	
1J771-10-8	5/8	1x14	1/2	2.93	74.0	0.63	16	1-1/8	1.72	44.0	
1J771-10-10	5/8	1x14	5/8	3.08	78.0	0.63	16	1-1/8	1.83	46.0	
1J771-12-12	3/4	1-3/16x12	3/4	3.63	92.0	0.83	21	1-3/8	2.25	57.0	
1J771-16-16	1	1-7/16x12	1	4.46	113.0	0.94	24	1-5/8	2.68	68.0	
1J771-20-20	1-1/4	1-11/16x12	1-1/4	4.75	121.0	1.00	25	1-7/8	3.08	78.0	
1J771-24-24	1-1/2	2x12	1-1/2	5.43	138.0	1.07	27	2-1/4	3.23	82.0	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J971

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

ISO 12151-1 - SWES90



view on web page

# Part Number	Thread		Hose I.D. inch	A		E		W		B	
	inch	inch		inch	mm	inch	mm	inch	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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

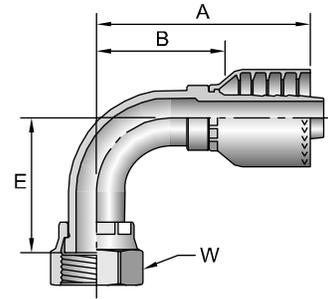
See Accessories Section for O-Rings.

1J571

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

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		inch	mm	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



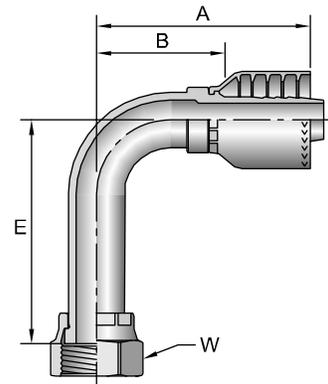
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1J171

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

# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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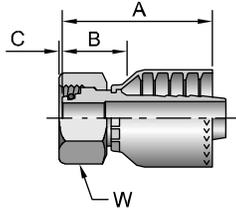
Metric S: Mates with EO "S" Series Fittings.

^^ Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2. See Accessories Section for O-Rings and Flange Kits.

1C971

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

ISO 12151-2 - SWS - S



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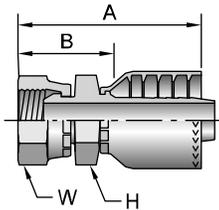
#			A		C			B	
Part Number	Thread mm	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
1C971-16-8	16 M24x1,5	1/2	2.33	59	0.09	2	30	0.94	24
1C971-30-16	30 M42x2	1	3.07	78	0.19	5	50	1.30	33

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1GU71

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



[view on web page](#)

#				A				B	
Part Number	Thread inch		Hose I.D. inch	inch	mm	mm	mm	inch	mm
1GU71-8-8	1/2	1/2x14	1/2	2.81	71	27	27	1.61	41
1GU71-12-12	3/4	3/4x14	3/4	3.24	82	36	36	1.86	47
1GU71-16-16	1	1x11	1	3.82	97	41	41	2.04	52
1GU71-20-20	1-1/4	1-1/4x11	1-1/4	4.07	103	50	50	2.38	60
1GU71-32-32	2	2x11	2	5.17	131	70	70	2.97	75

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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

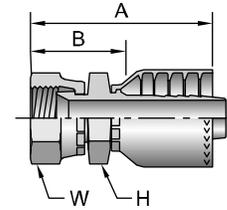
^ Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2.

See Accessories Section for O-Rings and Flange Kits.

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

# Part Number	Thread inch	Hose I.D. inch	A		H mm	W mm	B	
			inch	mm			inch	mm
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	1.95	49
1FU71-20-20	1-1/4x11	1-1/4	3.87	98	50	50	2.20	56

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



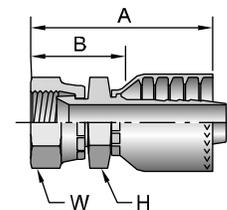
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1MU71 Female Metric - Swivel - (30° Flare)

# Part Number	Thread mm	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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



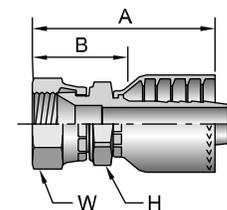
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1XU71 Female Metric - Swivel - (30° Flare)

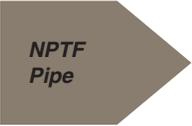
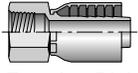
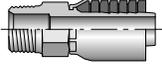
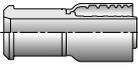
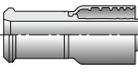
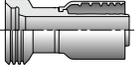
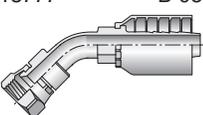
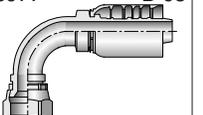
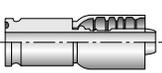
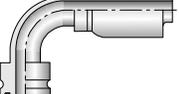
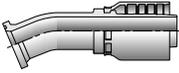
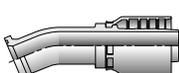
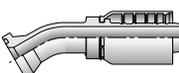
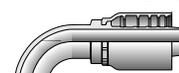
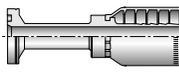
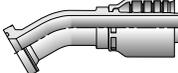
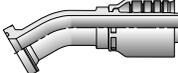
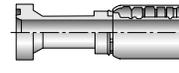
# Part Number	Thread mm	Hose I.D. inch	A		H mm	W mm	B	
			inch	mm			inch	mm
1XU71-10-10	M24x1,5	5/8	3.16	80	30	32	1.91	49
1XU71-12-12	M30x1,5	3/4	3.40	86	32	36	2.02	51
1XU71-16-16	M33x1,5	1	4.11	104	36	41	2.33	59

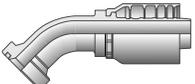
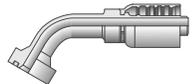
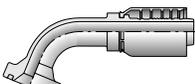
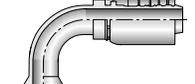
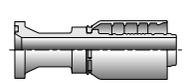
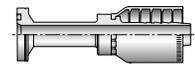
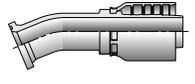
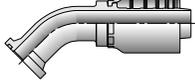
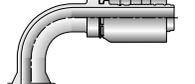
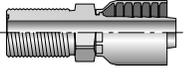
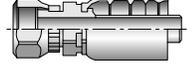
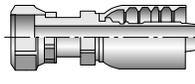
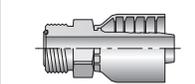
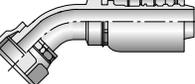
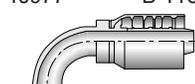
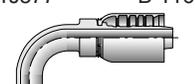
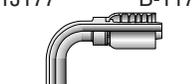
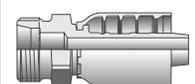
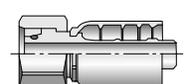
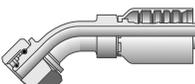
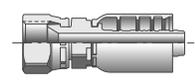
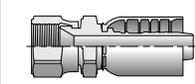
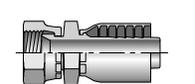
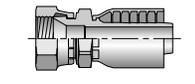
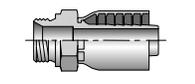
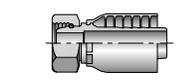
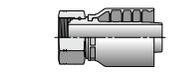
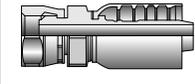
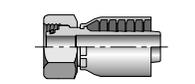
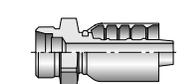
Japanese Fittings - Female Swivel 30° Flare with Metric Threads. All 30° flared fitting sizes are available by combining 1MU71 fittings in sizes up to 1/2 with 1XU71 fittings in sizes 5/8 inch and larger.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



[view on web page](#)

A	10177 B-92		10277 B-92		1AP77 B-92	
	 NPTF Pipe Male - Rigid - Straight		 API Female - Rigid Straight		 Hammer Union Male - Rigid - Straight	
B	1HB77 B-93		1HE77 B-93		10377 B-93	
	 Male - Hammer Union 90° Wing Nut		 Male - Hammer Union		 Female - Hammer Union	
C	13777 B-95		13977 B-95		14177 B-96	
	 Female - Swivel 45° Elbow - Short		 Female - Swivel 90° Elbow - Short		 Female - Swivel 90° Elbow - Long	
D	1X577 B-96		1X777 B-97		1X977 B-97	
	 Full Flange - Straight		 Full Flange 45° Elbow		 Full Flange 90° Elbow	
E	11677 B-99		14B77 B-99		12677 B-99	
	 Code 61 22-1/2° Elbow		 22-1/2° Elbow (5,000 psi)		 Code 61 - 30° Elbow	
	14E77 B-100		11777 B-100		14F77 B-101	
	 30° Elbow (5,000 psi)		 Code 61 - 45° Elbow		 45° Elbow (5,000 psi)	
	12777 B-101		14G77 B-102		11877 B-102	
	 Code 61 - 60° Elbow		 60° Elbow (5,000 psi)		 Code 61 67-1/2° Elbow	
	14M77 B-103		11977 B-103		18977 B-104	
	 67-1/2° Elbow (5,000 psi)		 Code 61 - 90° Elbow		 Code 61 90° Elbow - Long	
	14N77 B-104		16A77 B-105		16B77 B-105	
	 90° Elbow (5,000 psi)		 Code 62 - Straight		 Code 62 22-1/2° Elbow	
	16E77 B-106		16F77 B-106		16E77 B-106	
	 Code 62 - 30° Elbow		 Code 62 - 45° Elbow		 Code 62 - 30° Elbow	
	16G77 B-107		16N77 B-107		1XA77 B-108	
	 Code 62 - 60° Elbow		 Code 62 - 90° Elbow		 Caterpillar® - Flange	
	1XB77 B-108		1XE77 B-109		1XB77 B-108	
	 Caterpillar® - Flange 22-1/2° Elbow		 Caterpillar® Flange 30° Elbow		 Caterpillar® - Flange 22-1/2° Elbow	

<p>1XF77 B-109</p>  <p>Caterpillar® - Flange 45° Elbow</p>	<p>1XG77 B-110</p>  <p>Caterpillar® - Flange 60° Elbow</p>	<p>1XM77 B-110</p>  <p>Caterpillar® Flange 67-1/2° Elbow</p>	<p>1XN77 B-111</p>  <p>Caterpillar® Flange 90° Elbow</p>	 <p>Komatsu® Flange</p>	<p>1K577 B-111</p>  <p>Komatsu® Flange Straight</p>
<p>1KA77 B-111</p>  <p>Komatsu® HP Flange Straight</p>	<p>1K677 B-112</p>  <p>Komatsu® Flange 22-1/2° Elbow</p>	<p>1K777 B-112</p>  <p>Komatsu® Flange 45° Elbow</p>	<p>1K377 B-112</p>  <p>Komatsu® Flange 60° Elbow</p>	<p>1K877 B-113</p>  <p>Komatsu® Flange 67-1/2° Elbow</p>	<p>1K977 B-113</p>  <p>Komatsu® Flange 90° Elbow</p>
 <p>Seal-Lok®</p>	<p>1JB77 B-113</p>  <p>Male - Bulkhead w/o Locknut</p>	<p>1JC77 B-114</p>  <p>Female - Swivel Straight - Short</p>	<p>1JS77 B-114</p>  <p>Female - Swivel Straight - Long</p>	<p>1J077 B-115</p>  <p>Male - Rigid w/O-Ring</p>	<p>1J777 B-115</p>  <p>Female - Swivel 45° Elbow</p>
<p>1J977 B-116</p>  <p>Female - Swivel 90° Elbow - Short</p>	<p>1J577 B-116</p>  <p>Female - Swivel 90° Elbow - Medium</p>	<p>1J177 B-117</p>  <p>Female - Swivel 90° Elbow - Long</p>	 <p>DIN "S" Series w/O-Ring</p>	<p>1D277 B-117</p>  <p>Male Metric S Rigid - 24° Cone</p>	<p>1C977 B-118</p>  <p>Female - Swivel Straight</p>
<p>10C77 B-118</p>  <p>Female Metric S Swivel - 45° Elbow</p>	<p>11C77 B-119</p>  <p>Female - Swivel 90° Elbow</p>	 <p>BSP</p>	<p>1FU77 B-119</p>  <p>Female - Swivel Straight - 30° Flare</p>	<p>1KU77 B-120</p>  <p>Female - Metric Swivel - 30° Flare</p>	<p>1MU77 B-120</p>  <p>Female - Metric Swivel - 30° Flare</p>
<p>1XU77 B-120</p>  <p>Female - Swivel 30° Flare</p>	<p>1D977 B-121</p>  <p>Male - Rigid Straight - 60° Cone</p>	<p>19277 B-121</p>  <p>Female - Swivel Straight - 60° Cone</p>	<p>1EA77 B-121</p>  <p>Female - Swivel Straight - 60° Cone</p>	<p>1GU77 B-122</p>  <p>Female - Swivel Straight - 60° Cone</p>	<p>1B177 B-122</p>  <p>Female - Swivel 45° Elbow - 60° Cone</p>
<p>1B277 B-123</p>  <p>Female - Swivel 90° Elbow - 60° Cone</p>	 <p>24° Cone</p>	<p>1CA77 B-123</p>  <p>Female - Swivel Straight - 24° Cone</p>	<p>1ZM77 B-123</p>  <p>Male 24° Cone Rigid - Straight</p>		

A

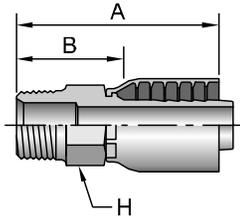
B

C

D

E

10177 Male NPTF Pipe - Rigid



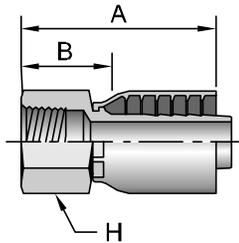
view on web page

# Part Number	Thread inch	Hose I.D. inch	A		H	B		Additional Material Stainless Steel (C)
			inch	mm	mm	inch	mm	
10177-6-8	3/8x18	1/2	2.51	63,9	22	1.29	32,9	
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	●
10177-20-16	1-1/4x11-1/2	1	4.34	110,2	46	2.39	60,7	
10177-20-20	1-1/4x11-1/2	1-1/4	4.57	116,1	46	2.30	58,4	●
10177-24-20	1-1/2x11-1/2	1-1/4	4.76	120,9	50	2.49	63,2	
10177-24-24	1-1/2x11-1/2	1-1/2	4.89	124,2	50	2.50	63,5	●
10177-32-32*	2x11-1/2	2	5.64	143,1	65	2.88	73,2	●

*This specific size in stainless is not able to be crimped in any Parkrimp machine.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10277 Female NPTF Pipe - Rigid

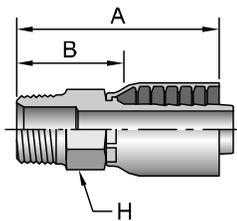


view on web page

# Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	mm	inch	mm
10277-12-12	3/4x14	3/4	3.09	78,4	32	1.45	36,9

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1AP77 Male API Pipe - Rigid



view on web page

# Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	mm	inch	mm
1AP77-24-24	1-1/2x11-1/2	1-1/2	5.16	131,1	50	2.77	70,4
1AP77-32-24	2x11-1/2	1-1/2	5.71	145,0	65	3.32	84,4
1AP77-32-32	2x11-1/2	2	6.32	160,4	65	3.56	90,4

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

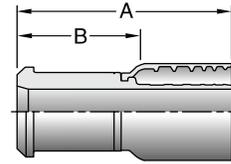
1HB77

Male Hammer Union - 90° Wing Nut

FIG 1502

# Part Number	Hose I.D. inch	A		B	
		inch	mm	inch	mm
1HB77-32-32	2	7.59	192,9	4.84	123,0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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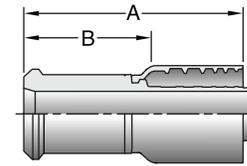
1HE77

Male Hammer Union

FIG 1502

# Part Number	Hose I.D. inch	A		B	
		inch	mm	inch	mm
1HE77-32-32	2	7.60	192,9	4.84	123,0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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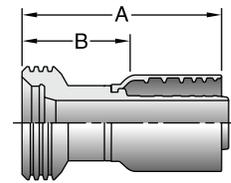
1HN77

Female Hammer Union

FIG 1502

# Part Number	Thread inch	Hose I.D. inch	A		B	
			inch	mm	inch	mm
1HN77-32-32	4-1/8x3	2	6.95	176,4	4.19	106,5

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



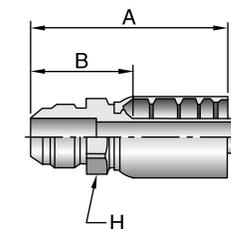
[view on web page](#)

10377

Male JIC 37° - Rigid

# Part Number	Thread inch		Hose I.D. inch	A		H mm	B	
	inch	mm		inch	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
10377-10-10	5/8	7/8x14	5/8	3.01	76,4	24	1.66	42,2
10377-12-10	3/4	1-1/16x12	5/8	3.22	81,8	30	1.87	47,5
10377-12-12	3/4	1-1/16x12	3/4	3.53	89,6	30	1.89	48,1
10377-12-16	3/4	1-1/16x12	1	3.94	100,0	36	1.99	50,6
10377-16-12	1	1-5/16x12	3/4	3.69	93,6	36	2.05	52,2
10377-16-16	1	1-5/16x12	1	3.99	101,3	36	2.04	51,8
10377-20-16	1-1/4	1-5/8x12	1	4.33	109,9	50	2.38	60,5
10377-20-20	1-1/4	1-5/8x12	1-1/4	4.66	118,4	50	2.39	60,7
10377-24-24	1-1/2	1-7/8x12	1-1/2	4.93	125,2	50	2.54	64,5
10377-32-32	2	2-1/2x12	2	5.83	148,0	65	3.07	78,0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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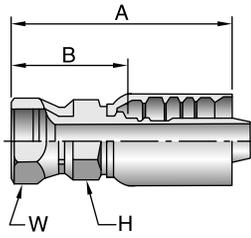
See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

10677

Female JIC 37° - Swivel

ISO 12151-5



view on web page

# Part Number	Thread		Hose I.D. inch	A		H mm	W mm	B	
	inch	mm		inch	mm			inch	mm
10677-6-8	3/8	9/16x18	1/2	2.75	69,7	22	19	1.53	38,8
10677-6-8C	3/8	9/16x18	1/2	2.75	69,7	22	19	1.53	38,8
10677-8-8	1/2	3/4x16	1/2	2.79	71,1	22	22	1.58	40,1
10677-8-8C	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
10677-10-10C	5/8	7/8x14	5/8	3.18	80,7	24	27	1.83	46,5
10677-10-12	5/8	7/8x14	3/4	3.62	91,8	30	27	1.98	50,3
10677-12-8	3/4	1-1/16x12	1/2	3.17	80,4	30	32	1.95	49,5
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	3.66	93,5	30	32	2.03	52,0
10677-12-12C	3/4	1-1/16x12	3/4	3.77	95,7	30	36	2.13	54,2
10677-12-16	3/4	1-1/16x12	1	4.12	104,7	36	32	2.17	55,2
10677-14-12	7/8	1-3/16x12	3/4	3.88	98,5	36	36	2.24	56,9
10677-16-12	1	1-5/16x12	3/4	3.87	98,7	30	41	2.24	57,3
10677-16-12C	1	1-5/16x12	3/4	4.01	101,8	36	46	2.37	60,3
10677-16-16	1	1-5/16x12	1	4.15	105,7	36	41	2.20	56,2
10677-16-16C	1	1-5/16x12	1	4.16	105,7	36	41	2.21	56,2
10677-16-20	1	1-5/16x12	1-1/4	4.84	123,0	46	41	2.57	65,3
10677-20-16	1-1/4	1-5/8x12	1	4.38	109,1	36	50	2.43	59,5
10677-20-20	1-1/4	1-5/8x12	1-1/4	4.86	123,5	46	50	2.59	65,8
10677-20-20C	1-1/4	1-5/8x12	1-1/4	4.92	125,0	46	60	2.65	67,3
10677-24-20	1-1/2	1-7/8x12	1-1/4	4.98	126,5	46	60	2.71	68,6
10677-24-24	1-1/2	1-7/8x12	1-1/2	5.34	135,7	50	60	2.95	75,0
10677-24-24C	1-1/2	1-7/8x12	1-1/2	5.55	140,9	50	65	3.16	80,3
10677-32-32	2	2-1/2x12	2	6.29	159,8	65	75	3.54	89,9
10677-32-32C*	2	2-1/2x12	2	6.29	159,8	65	75	3.54	89,9

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

"C" suffix indicates stainless steel part. Some stainless steel parts are dimensionally different than the standard part.

*This specific size in stainless is not able to be crimped in any Parkrimp machine.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

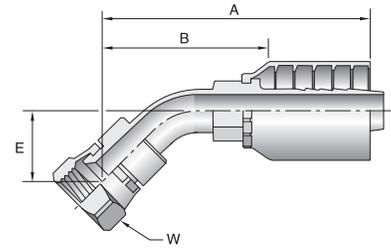
Refer to Pressure Rating of Hose End Connections Chart on page E-47.

13777

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

ISO 12151-5

# Part Number	Thread		Hose I.D. inch	A		E		W mm	B	
	inch	3/4x16		inch	mm	inch	mm		inch	mm
13777-8-8	1/2	3/4x16	1/2	2.86	72,7	0.59	15	22	1.64	41,8
13777-8-8C	1/2	3/4x16	1/2	2.86	72,7	0.59	15	22	1.64	41,8
13777-10-8	5/8	7/8x14	1/2	3.06	77,8	0.63	16	27	1.84	46,8
13777-10-10	5/8	7/8x14	5/8	3.40	86,3	0.63	16	27	2.05	52,1
13777-12-12	3/4	1-1/16x12	3/4	4.37	110,9	0.83	21	32	2.73	69,4
13777-12-12C	3/4	1-1/16x12	3/4	4.37	110,9	0.83	21	32	2.73	69,4
13777-16-12	1	1-5/16x12	3/4	4.49	114,0	0.94	24	41	2.85	72,5
13777-16-16	1	1-5/16x12	1	4.76	120,8	0.94	24	41	2.81	71,3
13777-20-20	1-1/4	1-5/8x12	1-1/4	5.92	150,3	1.26	32	50	3.64	92,6
13777-32-32*	2	2-1/2x12	2	8.58	218,0	2.20	56	75	5.83	148,1



view on web page

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

"C" suffix indicates stainless steel part. Some stainless steel parts are dimensionally different than the standard part.

*This specific size is not able to be crimped in any Parkrimp machine.

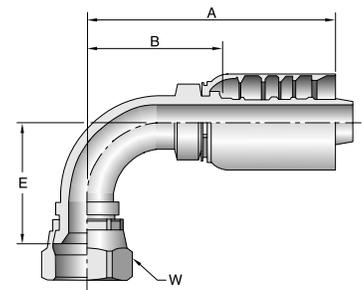
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

13977

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

ISO 12151-5

# Part Number	Thread		Hose I.D. inch	A		E		W mm	B	
	inch	3/4x16		inch	mm	inch	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
13977-8-8C	1/2	3/4x16	1/2	2.78	70,7	1.14	29,0	22	1.56	39,7
13977-10-8	5/8	7/8x14	1/2	2.77	70,5	1.26	32,0	27	1.55	39,5
13977-10-10	5/8	7/8x14	5/8	3.21	81,5	1.26	32,0	27	1.86	47,3
13977-12-10	3/4	1-1/16x12	5/8	3.21	81,5	1.89	48,0	32	1.86	47,3
13977-12-12	3/4	1-1/16x12	3/4	4.23	107,4	1.89	48,0	32	2.60	66,0
13977-12-12C	3/4	1-1/16x12	3/4	4.23	107,4	1.89	48,0	32	2.60	66,0
13977-16-12	1	1-5/16x12	3/4	4.23	107,4	2.93	74,5	41	2.59	65,9
13977-16-16	1	1-5/16x12	1	4.65	118,1	2.93	74,4	41	2.70	68,6
13977-16-16C	1	1-5/16x12	1	4.72	119,9	2.93	74,4	46	2.77	70,4
13977-20-20	1-1/4	1-5/8x12	1-1/4	5.35	136,0	3.07	78,0	50	3.08	78,3
13977-20-20C	1-1/4	1-5/8x12	1-1/4	6.28	159,5	3.07	78,0	60	4.01	101,8
13977-24-24	1-1/2	1-7/8x12	1-1/2	6.24	158,45	3.39	86,0	60	3.85	97,75
13977-32-32	2	2-1/2x12	2	8.75	222,1	5.51	140,0	75	5.99	152,2



view on web page

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

"C" suffix indicates stainless steel part. Some stainless steel parts are dimensionally different than the standard part.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

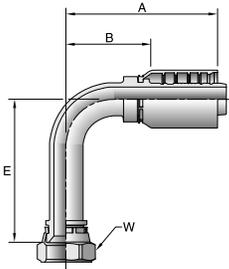
See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

14177

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

ISO 12151-5



[view on web page](#)

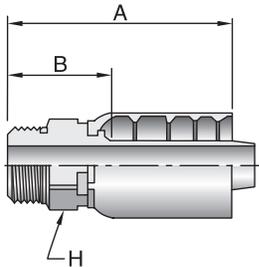
# Part Number	Thread		Hose I.D. inch	A		E		W mm	B		Additional Material Stainless Steel (C)
	inch	inch		inch	mm	inch	mm		inch	mm	
14177-8-8	1/2	3/4x16	1/2	2.78	70,7	2.52	64,0	22	1.56	39,7	●
14177-12-12	3/4	1-1/16x12	3/4	4.24	107,6	3.78	96,0	32	2.60	66,1	
14177-16-16	1	1-5/16x12	1	4.65	118,1	4.49	114,0	41	2.70	68,6	

All sizes of 14177 fittings are rated at 5,000 psi working pressure.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10577

Male SAE Thread with O-Ring - Rigid



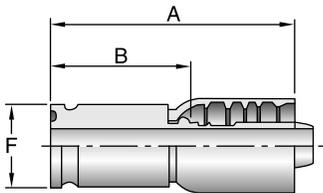
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# Part Number	Thread		Hose I.D. inch	A		H mm	B		Additional Material Stainless Steel (C)
	inch	inch		inch	mm		inch	mm	
10577-8-8	1/2	3/4x16	1/2	2.39	60,8	22	1.17	29,8	●
10577-12-12	3/4	1-1/16x12	3/4	3.17	80,5	32	1.53	38,9	●
10577-16-16	1	1-5/16x12	1	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	
10577-32-20	2	2-1/2x12	1-1/4	4.35	110,5	2-3/4	2.08	52,8	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1X577

Full Flange - Code 61/62



[view on web page](#)

# Part Number	Flange inch	Hose I.D. inch	A		F inch	B	
			inch	mm		inch	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
1X577-24-24	1-1/2	1-1/2	5.07	128,8	2.21	2.68	68,1
1X577-32-32	2	2	6.08	154,4	2.60	3.32	84,3

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

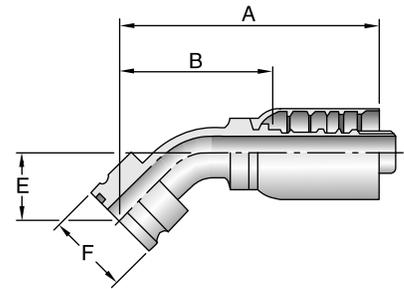
Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1X777

Full Flange - 45° Elbow - Code 61/62

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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	5.07	128,8	1.26	32,0	1.54	3.12	79,3
1X777-16-20	1	1-1/4	5.71	145,0	1.50	38,0	1.54	3.44	87,3
1X777-20-16	1-1/4	1	5.31	134,8	1.50	38,0	1.81	3.36	85,3
1X777-20-20	1-1/4	1-1/4	6.23	158,3	1.58	40,0	1.81	3.96	100,6
1X777-24-20	1-1/2	1-1/4	6.38	162,2	1.73	44,0	2.21	4.11	104,5
1X777-24-24	1-1/2	1-1/2	7.14	181,35	1.97	50,0	2.21	4.75	120,65

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



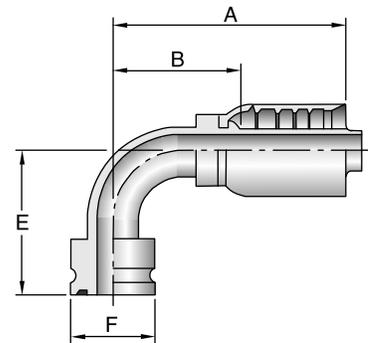
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1X977

Full Flange - 90° Elbow - Code 61/62

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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
1X977-12-16	3/4	1	4.33	109,9	2.76	70,0	1.37	2.38	60,5
1X977-16-12	1	3/4	4.24	107,6	2.38	60,5	1.54	2.60	66,1
1X977-16-16	1	1	4.65	118,1	2.76	70,0	1.54	2.70	68,6
1X977-16-20	1	1-1/4	5.44	138,2	3.54	90,0	1.54	3.17	80,5
1X977-20-16	1-1/4	1	4.65	118,1	3.54	90,0	1.81	2.70	68,6
1X977-20-20	1-1/4	1-1/4	5.35	136,0	3.54	90,0	1.81	3.08	78,3
1X977-24-20	1-1/2	1-1/4	5.35	136,0	4.09	104,0	2.21	3.08	78,3
1X977-24-24	1-1/2	1-1/2	6.24	158,45	4.09	104,0	2.21	3.85	97,75
1X977-32-32	2	2	8.75	222,1	5.43	138,0	2.60	5.99	152,2

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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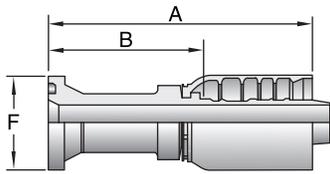
See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47

11577

SAE Code 61 Flange Head

ISO 12151-3-S-L



view on web page

# Part Number	Flange inch	Hose I.D. inch	A		F inch	B		Additional Material Stainless Steel (C)
			inch	mm		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	
11577-12-8	3/4	1/2	2.52	64,0	1-1/2	1.30	33,0	
11577-12-12	3/4	3/4	4.23	107,4	1-1/2	2.59	65,9	●
11577-12-16	3/4	1	4.70	119,4	1-1/2	2.75	69,8	
11577-16-12	1	3/4	3.27	82,9	1-3/4	1.63	41,5	
11577-16-16	1	1	4.70	119,4	1-3/4	2.75	69,9	
11577-16-20	1	1-1/4	5.11	129,8	1-3/4	2.84	72,1	
11577-20-12	1-1/4	3/4	3.66	92,9	2	2.31	58,6	
11577-20-20	1-1/4	1-1/4	5.42	137,7	2	3.15	80,0	
11577-20-24	1-1/4	1-1/2	5.76	146,3	2	3.37	85,6	
11577-24-16	1-1/2	1	3.78	96,0	2-3/8	1.83	46,5	
11577-24-20	1-1/2	1-1/4	3.94	100,1	2-3/8	1.67	42,4	
11577-24-24	1-1/2	1-1/2	5.52	140,2	2-3/8	3.13	79,5	
11577-24-32	1-1/2	2	6.42	162,9	2-3/8	3.66	93,0	
11577-32-24	2	1-1/2	4.59	116,6	2-13/16	2.20	55,9	
11577-32-32*	2	2	6.43	163,2	2-13/16	3.67	93,2	
11577-40-32	2-1/2	2	5.28	133,9	3-5/16	2.52	64,0	

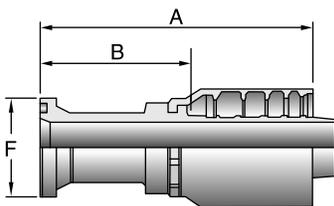
*This specific size in stainless is not able to be crimped in any Parkrimp machine.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

14A77

SAE Code 61 Special Flange Head - 5,000* psi

ISO 12151-3-S-L



view on web page

# Part Number	Flange inch	Hose I.D. inch	A		F inch	B	
			inch	mm		inch	mm
14A77-20-12	1-1/4	3/4	3.66	92,9	2	2.02	51,4
14A77-20-16	1-1/4	1	3.54	89,9	2	1.59	40,4
14A77-20-20	1-1/4	1-1/4	5.42	137,7	2	3.15	80,0
14A77-20-24	1-1/4	1-1/2	5.76	146,3	2	3.37	85,6
14A77-24-16	1-1/2	1	3.78	96,0	2-3/8	1.83	46,5
14A77-24-20	1-1/2	1-1/4	3.94	100,1	2-3/8	1.67	42,4
14A77-24-24	1-1/2	1-1/2	5.52	140,2	2-3/8	3.13	79,6
14A77-24-32	1-1/2	2	6.42	162,9	2-3/8	3.66	93,0
14A77-32-24	2	1-1/2	4.59	116,6	2-13/16	2.20	55,9
14A77-32-32	2	2	6.43	163,3	2-13/16	3.67	93,2

*Must be used with 5050HK Flange Kits

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

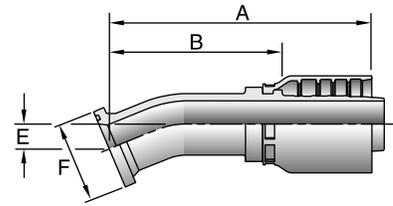
11677

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

ISO 12151-3-E22M-L

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
11677-12-12	3/4	3/4	4.84	122,9	0.43	11,0	1-1/2	3.20	81,4
11677-16-12	1	3/4	4.84	122,9	0.43	11,0	1-3/4	3.20	81,4
11677-16-16	1	1	5.42	137,6	0.55	14,0	1-3/4	3.47	88,1
11677-20-16	1-1/4	1	5.74	145,9	0.59	15,0	2	3.80	96,4
11677-20-20	1-1/4	1-1/4	6.65	169,0	0.59	15,0	2	4.38	111,3
11677-24-20	1-1/2	1-1/4	6.96	176,8	0.71	18,0	2-3/8	4.69	119,1
11677-24-24	1-1/2	1-1/2	7.45	189,35	0.71	18,0	2-3/8	5.06	128,65
11677-32-24	2	1-1/2	8.09	205,55	0.87	22,0	2-13/16	5.70	144,85
11677-32-32	2	2	9.12	231,7	0.87	22,0	2-13/16	6.37	161,7

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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14B77

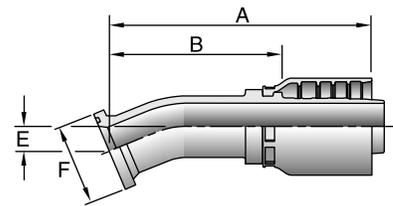
SAE Code 61 Special Flange Head - 22-1/2° Elbow - 5,000* psi

ISO 12151-3-E22M-L

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
14B77-20-20	1-1/4	1-1/4	6.65	169,0	0.59	15,0	2	4.38	111,3
14B77-24-24	1-1/2	1-1/2	7.45	189,35	0.71	18,0	2-3/8	5.06	128,65
14B77-32-32	2	2	9.12	231,7	0.87	22,0	2-13/16	6.37	161,7

*Must be used with 5050HK Flange Kits

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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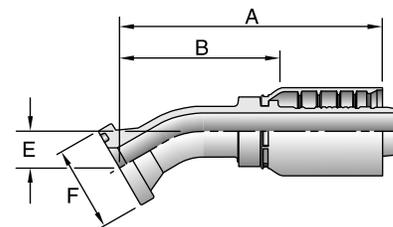
12677

SAE Code 61 Flange Head - 30° Elbow

ISO 12151-3-E30M-L

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
12677-12-12	3/4	3/4	4.77	121,1	0.63	16,0	1-1/2	3.13	79,6
12677-20-16	1-1/4	1	5.64	143,3	0.87	22,0	2	3.69	93,8
12677-20-20	1-1/4	1-1/4	6.53	165,9	0.87	22,0	2	4.26	108,2
12677-24-24	1-1/2	1-1/2	7.28	184,85	1.18	30,0	2-3/8	4.89	124,15
12677-32-24	2	1-1/2	7.92	201,25	1.26	32,0	2-13/16	5.53	140,55
12677-32-32	2	2	9.01	228,9	1.26	32,0	2-13/16	6.26	159,0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



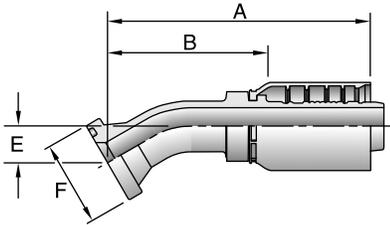
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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

14E77

SAE Code 61 Special Flange Head - 30° Elbow - 5,000 psi
ISO 12151-3-E30S-L



# Part Number	Flange inch	Hose I.D. inch	A		E		F	B	
			inch	mm	inch	mm	inch	inch	mm
14E77-24-24	1-1/2	1-1/2	7.28	184.85	1.18	30	2-3/8	4.89	124.15
14E77-32-32	2	2	9.01	228,9	1.26	32	2-13/16	6.26	159,0

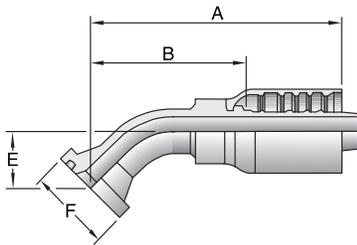
Must be used with 5050HK Flange Kits

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

view on web page

11777

SAE Code 61 Flange Head - 45° Elbow
ISO 12151-3-E45M-L



# Part Number	Flange inch	Hose I.D. inch	A		E		F	B	
			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
11777-12-8	3/4	1/2	3.33	84,7	0.87	22,0	1-1/2	2.11	53,7
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	4.57	116,0	1.02	26,0	1-3/4	2.93	74,5
11777-16-16	1	1	5.07	128,8	1.26	32,0	1-3/4	3.12	79,3
11777-16-20	1	1-1/4	5.71	145,0	1.50	38,0	1-3/4	3.44	87,3
11777-20-16	1-1/4	1	5.31	134,8	1.50	38,0	2	3.36	85,3
11777-20-20	1-1/4	1-1/4	6.15	156,2	1.50	38,0	2	3.88	98,5
11777-24-20	1-1/2	1-1/4	6.38	162,2	1.73	44,0	2-3/8	4.11	104,5
11777-24-24	1-1/2	1-1/2	6.90	175.35	1.73	44,0	2-3/8	4.51	114.65
11777-32-24	2	1-1/2	7.38	187.35	2.20	56,0	2-13/16	4.99	126.65
11777-32-32	2	2	8.58	218,0	2.20	56,0	2-13/16	5.83	148,1

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

14F77

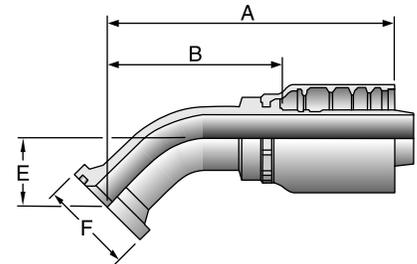
SAE Code 61 Special Flange Head - 45° - 5,000* psi

ISO 12151-3-E45M-L

# Part Number	Flange inch	Hose I.D. inch	A		E		F	B	
			inch	mm	inch	mm		inch	mm
14F77-20-16	1-1/4	1	5.31	134,8	1.50	38,0	2	3.36	85,3
14F77-20-20	1-1/4	1-1/4	6.15	156,2	1.50	38,0	2	3.88	98,5
14F77-20-24	1-1/4	1-1/2	6.72	170.75	1.73	44,0	2	4.33	110.05
14F77-24-20	1-1/2	1-1/4	6.38	162,2	1.73	44,0	2-3/8	4.11	104,5
14F77-24-24	1-1/2	1-1/2	6.90	175.35	1.73	44,0	2-3/8	4.51	114.65
14F77-32-24	2	1-1/2	7.38	187.35	2.20	56,0	2-13/16	4.99	126.65
14F77-32-32	2	2	8.58	218,0	2.20	56,0	2-13/16	5.83	148,1

*Must be used with 5050HK Flange Kits

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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12777

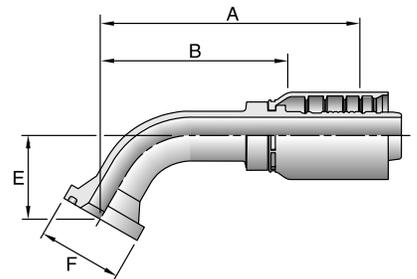
SAE Code 61 Flange Head - 60° Elbow

ISO 12151-3-E60M-L

# Part Number	Flange inch	Hose I.D. inch	A		E		F	B	
			inch	mm	inch	mm		inch	mm
12777-12-12	3/4	3/4	5.27	133,8	1.46	37,0	1-1/2	3.63	92,3
12777-16-12	1	3/4	5.27	133,8	1.46	37,0	1-3/4	3.63	92,3
12777-16-16	1	1	5.91	150,2	1.73	44,0	1-3/4	3.96	100,7
12777-20-20	1-1/4	1-1/4	7.05	179,2	2.17	55,0	2	4.78	121,5
12777-24-20	1-1/2	1-1/4	7.40	188,1	2.52	64,0	2-3/8	5.13	130,4
12777-24-24	1-1/2	1-1/2	8.01	203.35	2.52	64,0	2-3/8	5.62	142.65
12777-32-32	2	2	8.74	222,1	3.27	83,0	2-13/16	5.99	152,1

* This specific size is not able to be crimped in any Parkrimp machine.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



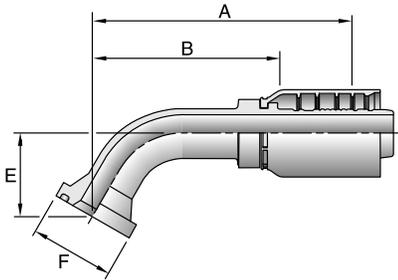
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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

14G77

SAE Code 61 Special Flange Head - 60° Elbow - 5,000* psi
ISO 12151-3-E60M-L



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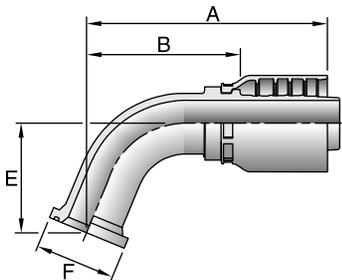
# Part Number	Flange inch	Hose I.D. inch	A		E		F	B	
			inch	mm	inch	mm		inch	mm
14G77-20-16	1-1/4	1	5.97	151,6	1.73	44,0	2	4.02	102,1
14G77-24-24	1-1/2	1-1/2	8.14	206,65	2.52	64,0	2-3/8	5.75	145,95
14G77-32-32	2	2	8.74	222,1	3.27	83,0	2-13/16	5.99	152,1

*Must be used with 5050HK Flange Kits

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

11877

SAE Code 61 Flange Head - 67-1/2° Elbow
ISO 12151-3-E67M-L



view on web page

# Part Number	Flange inch	Hose I.D. inch	A		E		F	B	
			inch	mm	inch	mm		inch	mm
11877-12-12	3/4	3/4	5.07	128,7	1.65	42,0	1-1/2	3.43	87,2
11877-16-12	1	3/4	5.07	128,7	1.65	42,0	1-3/4	3.43	87,2
11877-20-20	1-1/4	1-1/4	6.71	170,6	2.52	64,0	2	4.44	112,9
11877-24-20	1-1/2	1-1/4	7.01	178,0	2.91	74,0	2-3/8	4.73	120,3
11877-24-24	1-1/2	1-1/2	7.77	197,25	2.91	74,0	2-3/8	5.38	136,55
11877-32-24*	2	1-1/2	8.50	215,95	3.82	97,0	2-13/16	6.11	155,25
11877-32-32	2	2	8.72	221,4	3.82	97,0	2-13/16	5.97	151,5

*This specific size is not able to be crimped in any Parkrimp machine.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

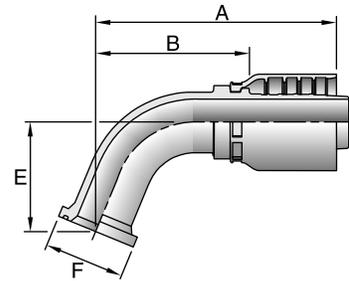
14M77

SAE Code 61 Special Flange Head - 67-1/2° Elbow - 5,000* psi

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
14M77-24-24	1-1/2	1-1/2	7.77	199.25	2.91	74,0	2-3/8	5.38	136.55

*Must be used with 5050HK Flange Kits

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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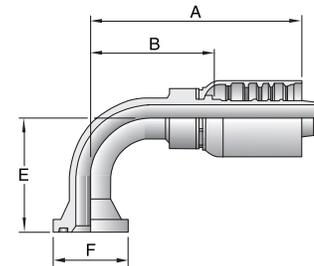
11977

SAE Code 61 Flange Head - 90° Elbow

ISO 12151-3-E90M-L

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B		Additional Material Stainless Steel (C)
			inch	mm	inch	mm		inch	mm	
11977-8-8	1/2	1/2	2.99	76,0	1.61	41,0	1-3/16	1.77	45,0	•
11977-10-10	5/8	5/8	3.62	91,9	2.09	53,0	1-11/32	2.27	57,7	
11977-12-8	3/4	1/2	2.77	70,5	1.61	41,0	1-1/2	1.55	39,5	
11977-12-10	3/4	5/8	3.40	86,3	2.09	53,0	1-1/2	2.05	52,1	
11977-12-12	3/4	3/4	4.24	107,6	2.28	58,0	1-1/2	2.60	66,1	•
11977-12-16	3/4	1	4.41	112,0	2.76	70,0	1-1/2	2.46	62,5	
11977-16-10	1	5/8	3.21	81,5	2.09	53,0	1-3/4	1.86	47,3	
11977-16-12	1	3/4	4.24	107,6	2.28	58,0	1-3/4	2.60	66,1	•
11977-16-16	1	1	4.65	118,1	2.76	70,0	1-3/4	2.70	68,6	
11977-16-16C	1	1	4.72	119,9	2.76	70,0	1-3/4	2.77	70,4	•
11977-16-20	1	1-1/4	5.05	128,3	3.54	90,0	1-3/4	2.78	70,6	
11977-20-12	1-1/4	3/4	4.23	107,4	2.28	58,0	2	2.59	65,9	
11977-20-16	1-1/4	1	4.65	118,1	3.54	90,0	2	2.70	68,6	
11977-20-20	1-1/4	1-1/4	5.35	136,0	3.54	90,0	2	3.08	78,3	
11977-20-24	1-1/4	1-1/2	5.69	144.55	4.09	104,0	2	3.30	83.85	
11977-24-16	1-1/2	1	4.65	118,1	2.76	70,0	2-3/8	2.70	68,6	
11977-24-20	1-1/2	1-1/4	5.35	136,0	4.09	104,0	2-3/8	3.08	78,3	
11977-24-24	1-1/2	1-1/2	6.24	158.45	4.09	104,0	2-3/8	3.85	97.75	
11977-32-24	2	1-1/2	6.24	158.45	5.43	138.00	2-13/16	3.85	97.75	
11977-32-32	2	2	8.75	222,1	5.43	138,0	2-13/16	5.99	152,2	

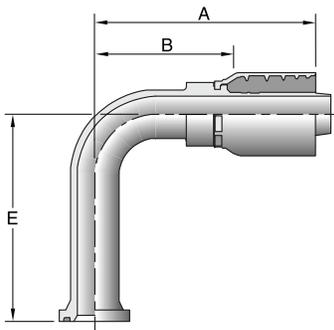
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.



18977

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

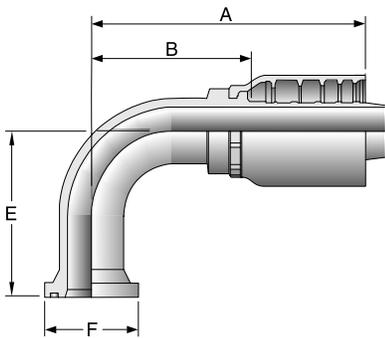
# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
18977-12-12	3/4	3/4	4.23	107,4	5.12	130,0	1-1/2	2.59	65,9
18977-16-16	1	1	4.65	118,1	4.60	116,8	1-3/4	2.70	68,6
18977-20-16	1-1/4	1	4.65	118,1	5.51	140,0	2	2.70	68,6

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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14N77

SAE Code 61 Special Flange Head - 90° Elbow - 5,000* psi
ISO 12151-3-E90M-L



# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B		Additional Material Stainless Steel (C)
			inch	mm	inch	mm		inch	mm	
14N77-20-16	1-1/4	1	4.65	118,1	3.54	90,0	2	2.70	68,6	
14N77-20-20	1-1/4	1-1/4	5.35	136,0	3.54	90,0	2	3.08	78,3	
14N77-20-20C	1-1/4	1-1/4	6.28	159,5	3.54	90,0	2	4.00	101,8	●
14N77-24-20	1-1/2	1-1/4	5.35	136,0	4.09	104,0	2-3/8	3.08	78,3	
14N77-24-24	1-1/2	1-1/2	6.24	158.45	4.09	104,0	2-3/8	3.85	97.75	
14N77-24-32	1-1/2	2	7.65	194,2	5.43	138,0	2-3/8	4.89	124,2	
14N77-32-24	2	1-1/2	6.24	158.45	5.43	138,0	2-13/16	3.85	97.75	
14N77-32-32	2	2	8.75	222,1	5.43	138,0	2-13/16	5.99	152,2	

*Must be used with 5050HK Flange Kits

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

16A77

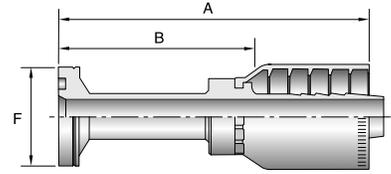
SAE Code 62 Flange Head

ISO 12151-3-S-S

# Part Number	Flange inch	Hose I.D. inch	A		F inch	B		Additional Material Stainless Steel (C)
			inch	mm		inch	mm	
16A77-8-8	1/2	1/2	3.51	89,3	1-1/4	2.29	58,3	
16A77-8-10	1/2	5/8	3.83	97,3	1-1/4	2.48	63,0	
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	●
16A77-12-16	3/4	1	4.96	126,0	1-5/8	3.01	76,5	
16A77-16-12	1	3/4	3.47	88,1	1-7/8	1.83	46,6	
16A77-16-16	1	1	4.45	113,0	1-7/8	2.50	63,5	●
16A77-16-20	1	1-1/4	5.66	143,8	1-7/8	3.39	86,1	●
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	●
16A77-20-24	1-1/4	1-1/2	6.06	153,9	2-1/8	3.67	93,2	
16A77-24-16	1-1/2	1	4.25	108,0	2-1/2	2.30	58,4	
16A77-24-20	1-1/2	1-1/4	4.65	118,1	2-1/2	2.38	60,4	
16A77-24-24	1-1/2	1-1/2	6.39	162,3	2-1/2	4.00	101,6	●
16A77-32-24	2	1-1/2	5.23	132,8	3-1/8	2.84	72,2	
16A77-32-32*	2	2	7.17	182,1	3-1/8	4.41	112,0	●

*This specific size in stainless is not able to be crimped in any Parkrimp machine.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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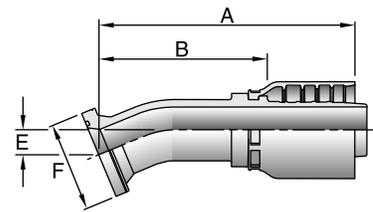
16B77

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

ISO 12151-3-E22M-S

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
16B77-16-16	1	1	5.42	137,6	0.55	14,0	1-7/8	3.47	88,1
16B77-20-20	1-1/4	1-1/4	6.65	168,9	0.59	15,0	2-1/8	4.38	111,2
16B77-24-24	1-1/2	1-1/2	7.45	189,35	0.71	18,0	2-1/2	5.06	128,65
16B77-32-32	2	2	9.12	231,7	0.87	22,0	3-1/8	6.37	161,7

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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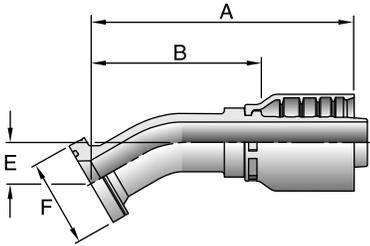
See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

16E77

SAE Code 62 Flange Head - 30° Elbow

ISO 12151-3-E30M-S



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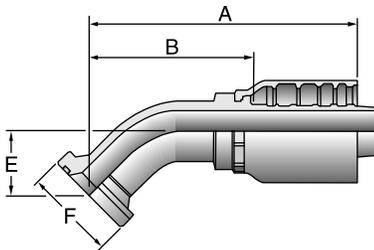
# Part Number	Flange inch	Hose I.D. inch	A		E		F		B	
			inch	mm	inch	mm	inch	inch	inch	mm
16E77-12-12	3/4	3/4	4.77	121,1	0.63	16,0	1-5/8	3.13	79,6	
16E77-16-16	1	1	5.34	135,6	0.75	19,0	1-7/8	3.39	86,1	
16E77-20-20	1-1/4	1-1/4	6.53	165,9	0.87	22,0	2-1/8	4.26	108,2	
16E77-24-24	1-1/2	1-1/2	7.28	184,85	1.18	30,0	2-1/2	4.89	124,15	
16E77-32-24	2	1-1/2	7.93	201,35	1.26	32,0	3-1/8	5.54	140,65	
16E77-32-32	2	2	9.01	228,9	1.26	32,0	3-1/8	6.26	159,0	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16F77

SAE Code 62 Flange Head - 45° Elbow

ISO 12151-3-E45M-S



view on web page

# Part Number	Flange inch	Hose I.D. inch	A		E		F		B		Additional Material Stainless Steel (C)
			inch	mm	inch	mm	inch	inch	inch	mm	
16F77-8-8	1/2	1/2	3.11	79,0	0.75	19,0	1-1/4	1.89	48,0		
16F77-12-10	3/4	5/8	3.77	95,7	1.00	25,5	1-5/8	2.42	61,5		
16F77-12-12	3/4	3/4	4.57	116,0	1.02	26,0	1-5/8	2.93	74,5		
16F77-12-16	3/4	1	4.98	126,5	1.26	32,0	1-5/8	3.03	77,0		
16F77-16-12	1	3/4	4.57	116,0	1.02	26,0	1-7/8	2.93	74,5		
16F77-16-16	1	1	5.07	128,8	1.26	32,0	1-7/8	3.12	79,3		
16F77-16-20	1	1-1/4	5.71	145,0	1.50	38,0	1-7/8	3.44	87,3		
16F77-20-16	1-1/4	1	5.31	134,8	1.50	38,0	2-1/8	3.36	85,3		
16F77-20-20	1-1/4	1-1/4	6.15	156,3	1.50	38,0	2-1/8	3.88	98,6		
16F77-20-20C	1-1/4	1-1/4	6.66	169,2	1.50	38,0	2-1/8	4.39	111,5		●
16F77-24-20	1-1/2	1-1/4	6.38	162,2	1.73	44,0	2-1/2	4.11	104,5		
16F77-24-24	1-1/2	1-1/2	6.90	175,35	1.73	44,0	2-1/2	4.51	114,65		
16F77-32-24	2	1-1/2	7.38	187,35	2.20	56,0	3-1/8	4.99	126,65		
16F77-32-32*	2	2	8.58	218,0	2.20	56,0	3-1/8	5.83	148,1		

*This specific size in stainless is not able to be crimped in any Parkrimp machine.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

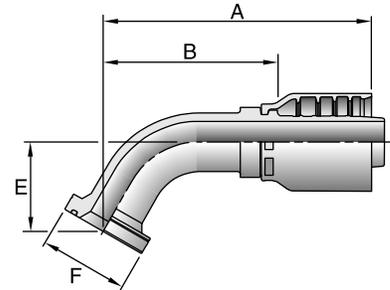
16G77

SAE Code 62 Flange Head - 60° Elbow

ISO 12151-3-E60M-S

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
16G77-12-12	3/4	3/4	5.27	133,8	1.46	37,0	1-5/8	3.63	92,3
16G77-16-16	1	1	5.91	150,1	1.73	44,0	1-7/8	3.96	100,6
16G77-24-24	1-1/2	1-1/2	8.14	206.65	2.52	64,0	2-1/2	5.75	145.95
16G77-32-32	2	2	8.74	222,1	3.27	83,0	3-1/8	5.99	152,1

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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16N77

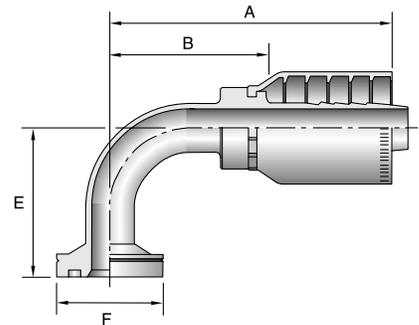
SAE Code 62 Flange Head - 90° Elbow

ISO 12151-3 - E90M - S

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B		Additional Material Stainless Steel (C)
			inch	mm	inch	mm		inch	mm	
16N77-8-8	1/2	1/2	2.77	70,5	1.61	41,0	1-1/4	1.55	39,5	
16N77-8-10	1/2	5/8	3.09	78,5	2.13	54,0	1-1/4	1.74	44,2	
16N77-12-12	3/4	3/4	4.24	107,6	2.28	58,0	1-5/8	2.60	66,1	●
16N77-12-16	3/4	1	4.41	112,0	2.76	70,0	1-5/8	2.46	62,5	
16N77-16-12	1	3/4	4.24	107,6	2.28	58,0	1-7/8	2.60	66,1	
16N77-16-16	1	1	4.65	118,1	2.76	70,0	1-7/8	2.70	68,6	
16N77-16-16C	1	1	4.72	119,9	2.76	70,0	1-7/8	2.77	70,4	●
16N77-16-20	1	1-1/4	5.05	128,3	3.54	90,0	1-7/8	2.78	70,6	
16N77-16-20C	1	1-1/4	5.44	138,2	3.54	90,0	1-7/8	3.17	80,5	●
16N77-20-16	1-1/4	1	4.65	118,1	3.54	90,0	2-1/8	2.70	68,6	
16N77-20-20	1-1/4	1-1/4	5.35	136,0	3.54	90,0	2-1/8	3.08	78,3	
16N77-20-20C	1-1/4	1-1/4	6.28	159,5	3.54	90,0	2-1/8	4.00	101,8	●
16N77-20-24	1-1/4	1-1/2	5.69	144.55	4.09	104,0	2-1/8	3.30	83.85	
16N77-24-20	1-1/2	1-1/4	5.35	136,0	4.09	104,0	2-1/2	3.08	78,3	
16N77-24-20C	1-1/2	1-1/4	6.28	159,5	4.09	104,0	2-1/2	4.00	101,8	●
16N77-24-24	1-1/2	1-1/2	6.24	158.45	4.09	104,0	2-1/2	3.85	97.75	●
16N77-32-24	2	1-1/2	6.24	158.45	5.43	138.00	3-1/8	3.85	97.75	●
16N77-32-32*	2	2	8.75	222,1	5.43	138,0	3-1/8	5.99	152,2	●

*This specific size in stainless is not able to be crimped in any Parkrimp machine.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

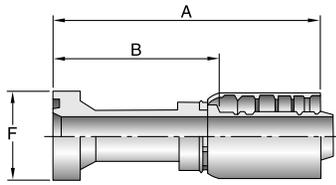


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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1XA77 Caterpillar® Flange Head

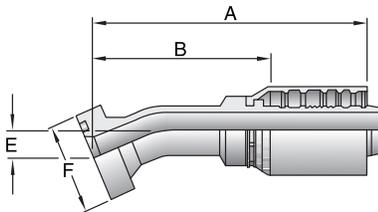


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# Part Number	Flange inch	Hose I.D. inch	A		F		B	
			inch	mm	inch	inch	mm	
1XA77-12-12	3/4	3/4	4.48	113,7	1-5/8	2.84	72,2	
1XA77-12-16	3/4	1	4.96	126,0	1-5/8	3.01	76,5	
1XA77-16-12	1	3/4	3.47	88,1	1-7/8	1.83	46,6	
1XA77-16-16	1	1	5.54	140,7	1-7/8	3.59	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	
1XA77-20-24	1-1/4	1-1/2	6.32	160,5	2-1/8	3.93	99,8	
1XA77-24-20	1-1/2	1-1/4	4.65	118,1	2-1/2	2.38	60,4	
1XA77-24-24	1-1/2	1-1/2	6.94	176,3	2-1/2	4.55	115,6	
1XA77-32-32	2	2	7.56	191,9	3-1/8	4.80	121,9	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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



view on web page

# Part Number	Flange inch	Hose I.D. inch	A		E		F		B	
			inch	mm	inch	mm	inch	inch	mm	
1XB77-12-12	3/4	3/4	5.09	129,2	0.55	14,0	1-5/8	3.45	87,7	
1XB77-16-12	1	3/4	5.09	129,2	0.55	14,0	1-7/8	3.45	87,7	
1XB77-16-16	1	1	5.64	143,2	0.55	14,0	1-7/8	3.69	93,7	
1XB77-20-16	1-1/4	1	5.64	143,3	0.55	14,0	2-1/8	3.69	93,8	
1XB77-20-20	1-1/4	1-1/4	6.58	167,1	0.67	17,0	2-1/8	4.31	109,4	
1XB77-24-24	1-1/2	1-1/2	7.51	190,75	0.71	18,0	2-1/2	5.12	130,05	
1XB77-32-32	2	2	9.12	231,7	0.87	22,0	3-1/8	6.37	161,7	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

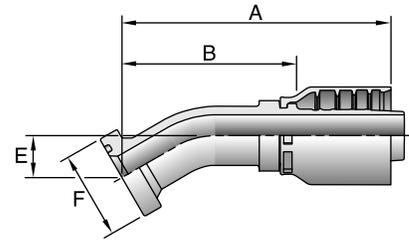
See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1XE77

Caterpillar® Flange Head - 30° Elbow

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
1XE77-12-12	3/4	3/4	5.00	126,9	0.83	21,0	1-5/8	3.36	85,4
1XE77-16-12	1	3/4	5.02	127,4	0.75	19,0	1-7/8	3.38	86,0
1XE77-16-16	1	1	5.56	141,3	0.75	19,0	1-7/8	3.61	91,8
1XE77-20-16	1-1/4	1	5.53	140,4	0.87	22,0	2-1/8	3.58	90,9
1XE77-20-20	1-1/4	1-1/4	6.45	163,9	0.94	24,0	2-1/8	4.18	106,2
1XE77-24-24	1-1/2	1-1/2	7.33	186,25	1.18	30,0	2-1/2	4.94	125,55
1XE77-32-32	2	2	9.01	228,9	1.26	32,0	3-1/8	6.26	159,0



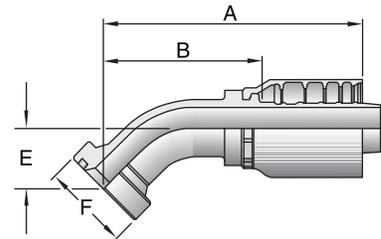
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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1XF77

Caterpillar® Flange Head - 45° Elbow

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		inch	mm
1XF77-12-12	3/4	3/4	4.76	120,8	1.22	31,0	1-5/8	3.12	79,3
1XF77-16-12	1	3/4	4.76	120,8	1.22	31,0	1-7/8	3.12	79,3
1XF77-16-16	1	1	5.23	132,8	1.42	36,0	1-7/8	3.28	83,3
1XF77-20-16	1-1/4	1	5.23	132,8	1.42	36,0	2-1/8	3.28	83,3
1XF77-20-20	1-1/4	1-1/4	6.11	155,2	1.46	37,0	2-1/8	3.84	97,5
1XF77-24-20	1-1/2	1-1/4	6.11	155,2	1.46	37,0	2-1/2	3.84	97,5
1XF77-24-24	1-1/2	1-1/2	6.94	176,35	1.77	45,0	2-1/2	4.55	115,65
1XF77-32-32	2	2	8.58	218,0	2.20	56,0	3-1/8	5.83	148,1



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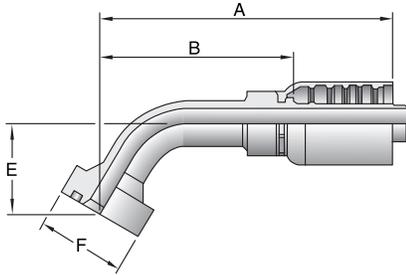
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1XG77

Caterpillar® Flange Head - 60° Elbow



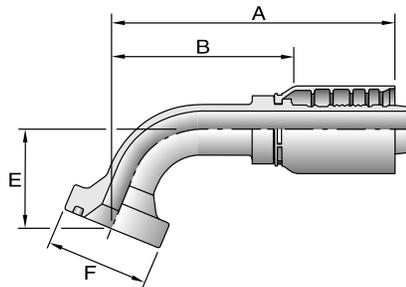
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XG77-12-12	3/4	3/4	5.35	135,8	1.65	42,0	1-5/8	3.71	94,3
1XG77-16-12	1	3/4	5.35	135,8	1.65	42,0	1-7/8	3.71	94,3
1XG77-16-16	1	1	5.93	150,7	1.97	50,0	1-7/8	3.98	101,2
1XG77-20-16	1-1/4	1	6.07	154,1	1.73	44,0	2-1/8	4.12	104,6
1XG77-20-20	1-1/4	1-1/4	7.31	185,7	2.01	51,0	2-1/8	5.04	128,0
1XG77-24-24	1-1/2	1-1/2	8.18	207,75	2.56	65,0	2-1/2	5.79	147,05
1XG77-32-32	2	2	8.74	222,1	3.27	83,0	3-1/8	5.99	152,1

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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1XM77

Caterpillar® Flange - 67-1/2° Elbow



#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XM77-12-12	3/4	3/4	5.17	131,2	1.77	45,0	1-5/8	3.53	89,8
1XM77-16-12	1	3/4	5.19	131,8	1.77	45,0	1-7/8	3.55	90,3
1XM77-16-16	1	1	5.78	146,9	2.05	52,0	1-7/8	3.83	97,4
1XM77-20-16	1-1/4	1	5.78	146,9	2.05	52,0	2-1/8	3.83	97,4
1XM77-32-32	2	2	8.72	221,4	3.82	97,0	3-1/8	5.97	151,5

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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

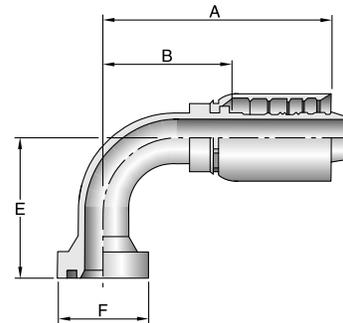
Refer to Pressure Rating of Hose End Connections Chart on page E-47.

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
1XN77-12-16	3/4	1	4.41	112,0	2.76	70,0	1-5/8	2.46	62,5
1XN77-16-12	1	3/4	4.23	107,4	2.48	63,0	1-7/8	2.59	65,9
1XN77-16-16	1	1	4.65	118,1	2.91	74,0	1-7/8	2.70	68,6
1XN77-24-20	1-1/2	1-1/4	5.35	136,0	3.03	77,0	2-1/2	3.08	78,3
1XN77-24-24	1-1/2	1-1/2	6.24	158,45	4.16	105,6	2-1/2	3.85	97,75
1XN77-32-32	2	2	8.75	222,1	5.24	133,0	3-1/8	5.99	152,2

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



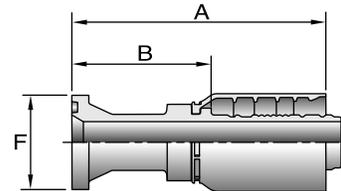
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1K577

Komatsu® Flange Head

# Part Number	Flange inch	Hose I.D. inch	A		F inch	B	
			inch	mm		inch	mm
1K577-16-16	1	1	4.70	119,4	1-3/4	2.75	69,9

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



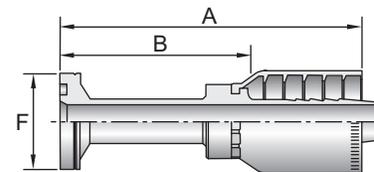
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1KA77

Komatsu® High Pressure Flange Head

# Part Number	Flange inch	Hose I.D. inch	A		F inch	B	
			inch	mm		inch	mm
1KA77-20-16	1-1/4	1	4.05	102,9	2-1/8	2.10	53,4
1KA77-20-20	1-1/4	1-1/4	5.73	145,6	2-1/8	3.46	87,9
1KA77-24-24	1-1/2	1-1/2	6.39	162,3	2-1/2	4.00	101,6
1KA77-32-32	2	2	7.17	182,0	2-9/16	4.41	112,0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



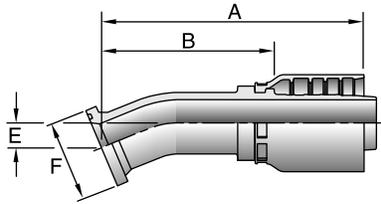
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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1K677

Komatsu® Flange Head - 22-1/2° Elbow



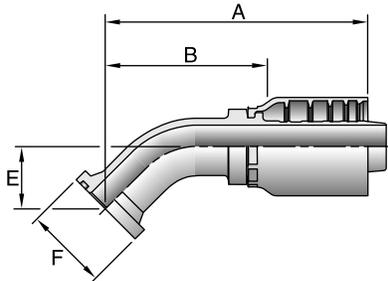
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# Part Number	Flange inch	Hose I.D. inch	A		E		F		B	
			inch	mm	inch	mm	inch	inch	mm	
1K677-16-20	1	1-1/4	6.48	164,6	0.59	15,0	1-3/4	4.21	106,9	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1K777

Komatsu® Flange Head - 45° Elbow



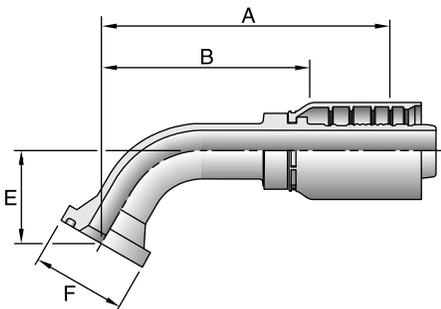
view on web page

# Part Number	Flange inch	Hose I.D. inch	A		E		F		B	
			inch	mm	inch	mm	inch	inch	mm	
1K777-12-12	3/4	3/4	4.57	116,0	1.02	26,0	1-1/2	2.93	74,5	
1K777-16-16	1	1	5.59	142,1	1.26	32,0	1-3/4	3.65	92,6	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1K377

Komatsu® Flange Head - 60° Elbow



view on web page

# Part Number	Flange inch	Hose I.D. inch	A		E		F		B	
			inch	mm	inch	mm	inch	inch	mm	
1K377-12-12	3/4	3/4	5.27	133,8	1.46	37,0	1-1/2	3.64	92,4	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

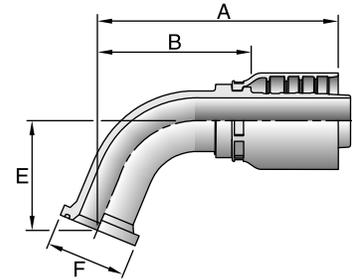
Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1K877

Komatsu® Flange Head - 67-1/2° Elbow

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1K877-16-16	1	1	5.98	151,9	2.01	51,0	1-3/4	4.03	102,4

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



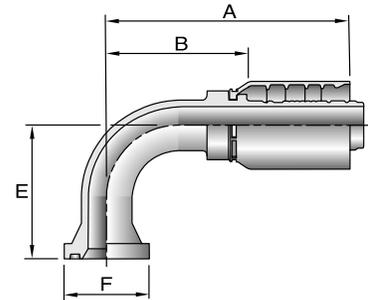
view on web page

1K977

Komatsu® Flange Head - 90° Elbow

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1K977-12-12	3/4	3/4	4.24	107,7	2.28	58,0	1-1/2	2.60	66,0
1K977-16-12	1	3/4	4.24	107,7	2.17	55,0	1-3/4	2.60	66,0
1K977-16-16	1	1	4.65	118,1	2.76	70,0	1-3/4	2.70	68,6

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



view on web page

1JB77

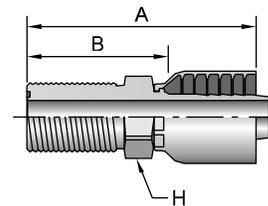
Male Seal-Lok® - Bulkhead without Locknut (with O-Ring) End Connection per SAE J516 (Apr2016)

#			A			B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	mm	inch	mm
1JB77-16-16	1-7/16x12	1	4.87	123,7	46	2.92	74,2

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

Supplied with Parker's exclusive Trap-Seal™, which leads to improved retention within Seal-Lok's™ ORFS groove and virtually eliminates costly leakage and/or time consuming pre-assembly handling.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



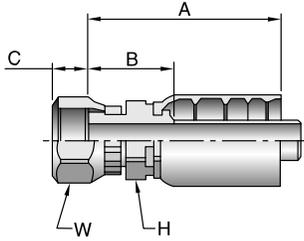
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See Accessories Section for O-Rings and Flange Kits.

 Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1JC77

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



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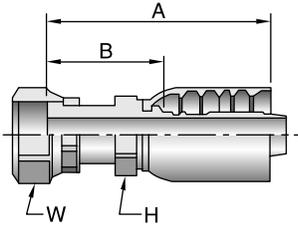
# Part Number	Thread		Hose I.D. inch	A		C		H mm	W mm	B		Additional Material Stainless Steel (C)
	inch	inch		inch	mm	inch	mm			inch	mm	
1JC77-8-8	1/2	13/16x16	1/2	2.35	59,8	0.43	11,0	22	24	1.13	28,8	●
1JC77-10-10	5/8	1x14	5/8	2.75	69,8	0.48	12,0	24	30	1.40	35,6	
1JC77-12-8	3/4	1-3/16x12	1/2	2.63	66,9	0.55	14,0	30	36	1.41	35,9	
1JC77-12-12	3/4	1-3/16x12	3/4	3.08	80,2	0.53	12,0	30	36	1.45	38,7	●
1JC77-16-12	1	1-7/16x12	3/4	3.35	85,0	0.53	14,5	30	41	1.71	43,5	
1JC77-16-16	1	1-7/16x12	1	3.59	91,2	0.53	14,5	36	41	1.64	41,7	
1JC77-20-16	1-1/4	1-11/16x12	1	3.53	95,0	0.53	15,0	36	50	1.58	45,5	
1JC77-20-20	1-1/4	1-11/16x12	1-1/4	4.25	108,0	0.53	15,0	46	50	1.98	50,3	
1JC77-24-24	1-1/2	2x12	1-1/2	4.55	115,6	0.53	15,7	50	60	2.16	54,9	
1JC77-32-32*	2	2-1/2x12	2	5.64	143,1	0.73	18,4	65	75	2.88	73,2	●

*This specific size in stainless is not able to be crimped in any Parkrimp machine.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1JS77

Female Seal-Lok® - Swivel - Long ISO 12151-1-SWSB



view on web page

# Part Number	Thread		Hose I.D. inch	A		H mm	W mm	B		Additional Material Stainless Steel (C)
	inch	inch		inch	mm			inch	mm	
1JS77-6-8	3/8	11/16x16	1/2	2.67	67,8	22	22	1.45	36,8	
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	
1JS77-10-12	5/8	1x14	3/4	3.58	90,8	30	30	1.94	49,4	
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	36	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	●
1JS77-24-24	1-1/2	2x12	1-1/2	5.12	130,0	50	60	2.73	69,4	●
1JS77-32-32	2	2-1/2x12	2	6.28	159,5	65	75	3.52	89,4	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

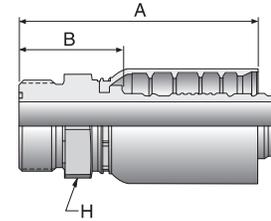
See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1J077

Male Seal-Lok® - Rigid - (with O-Ring) ISO 12151-1-S

# Part Number	Thread inch	Hose I.D. inch	A		H mm	B	
			inch	mm		inch	mm
1J077-8-8	13/16x16	1/2	2.85	72,3	22	1.39	35,3
1J077-10-8	1x14	1/2	3.03	77,0	27	1.57	39,9
1J077-10-10	1x14	5/8	3.30	83,8	27	1.63	41,4
1J077-12-10	1-3/16x12	5/8	3.44	87,3	32	1.77	45,0
1J077-12-12	1-3/16x12	3/4	3.75	95,3	32	1.84	46,7
1J077-16-12	1-7/16x12	3/4	3.93	99,8	41	2.02	51,3
1J077-16-16	1-7/16x12	1	4.33	110,0	41	2.10	53,3
1J077-20-16	1-11/16x12	1	4.41	112,0	46	2.18	55,4
1J077-20-20	1-11/16x12	1-1/4	4.98	126,5	46	2.27	57,7
1J077-24-20	2x12	1-1/4	5.14	130,5	55	2.43	61,7



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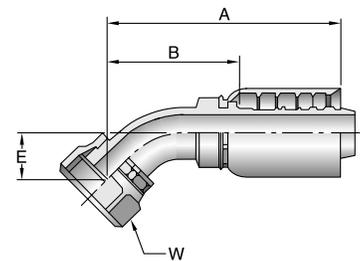
Supplied with Parker's exclusive Trap-Seal™, which leads to improved retention within Seal-Lok's™ ORFS groove and virtually eliminates costly leakage and/or time consuming pre-assembly handling.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J777

Female Seal-Lok® - Swivel - 45° Elbow ISO 12151-1-SWE45

# Part Number	Thread inch		Hose I.D. inch	A		E		W mm	B	
	inch	mm		inch	mm	inch	mm		inch	mm
1J777-8-8	1/2	13/16x16	1/2	2.86	72,7	0.59	15	24	1.64	41,8
1J777-10-8	5/8	1x14	1/2	2.97	75,5	0.63	16	30	1.75	44,6
1J777-10-10	5/8	1x14	5/8	3.40	86,0	0.63	16	30	2.05	52,0
1J777-12-12	3/4	1-3/16x12	3/4	4.39	111,4	0.83	21	36	2.75	70,0
1J777-20-16	1-1/4	1-11/16x12	1	4.80	121,8	0.98	25	50	2.85	72,3
1J777-20-20	1-1/4	1-11/16x12	1-1/4	5.64	143,2	0.98	25	50	3.36	85,5
1J777-24-24	1-1/2	2x12	1-1/2	6.82	173,35	1.65	42	60	4.44	112,65



view on web page

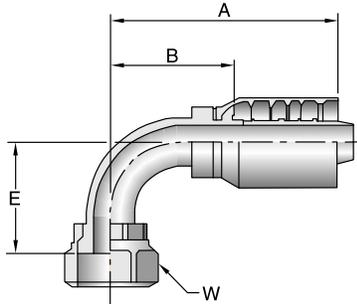
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1J977

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



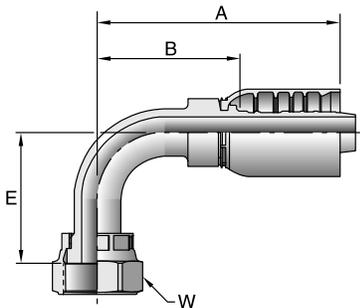
view on web page

# Part Number	Thread inch	Hose I.D. inch	A		E		W		B	
			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	
1J977-10-8	5/8 1x14	1/2	2.77	70,5	1.26	32	30	1.55	39,5	
1J977-10-10	5/8 1x14	5/8	3.21	81,5	1.26	32	30	1.86	47,3	
1J977-12-8	3/4 1-3/16x12	1/2	2.77	70,5	1.89	48	36	1.55	39,5	
1J977-12-10	3/4 1-3/16x12	5/8	3.21	81,5	1.89	48	36	1.86	47,3	
1J977-12-12	3/4 1-3/16x12	3/4	4.24	107,6	1.89	48	36	2.60	66,1	
1J977-16-12	1 1-7/16x12	3/4	4.23	107,4	2.20	56	41	2.59	65,9	
1J977-16-16	1 1-7/16x12	1	4.65	118,1	2.20	56	41	2.70	68,6	
1J977-16-20	1 1-7/16x12	1-1/4	5.05	128,3	2.20	56	41	2.78	70,6	
1J977-20-16	1-1/4 1-11/16x12	1	4.65	118,1	2.52	64	50	2.70	68,6	
1J977-20-20	1-1/4 1-11/16x12	1-1/4	5.35	136,0	2.52	64	50	3.08	78,3	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J577

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



view on web page

# Part Number	Thread inch	Hose I.D. inch	A		E		W		B		Additional Material Stainless Steel (C)
			inch	mm	inch	mm	mm	inch	mm		
1J577-8-8	1/2 13/16x16	1/2	2.77	70,5	1.61	41	24	1.55	39,5		
1J577-10-10	5/8 1x14	5/8	4.11	104,4	1.85	57	30	2.76	70,1		
1J577-12-12	3/4 1-3/16x12	3/4	4.24	107,6	2.28	58	36	2.60	66,1		
1J577-16-12	1 1-7/16x12	3/4	4.23	107,5	2.80	71	41	2.60	66,0		
1J577-16-16	1 1-7/16x12	1	4.65	118,1	2.80	71	41	2.70	68,6		
1J577-20-20	1-1/4 1-11/16x12	1-1/4	5.35	136,0	3.07	78	50	3.08	78,3		
1J577-20-20C	1-1/4 1-11/16x12	1-1/4	6.20	157,5	3.07	78	50	3.93	99,8	•	
1J577-24-24	1-1/2 2x12	1-1/2	6.24	158,45	3.39	86	60	3.85	97,75	•	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

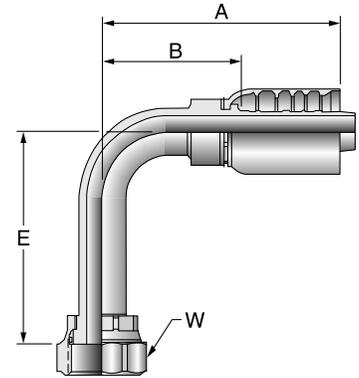
1J177

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

ISO 12151-1-SWEL90

# Part Number	Thread inch	Hose I.D. inch	A		E		W mm	B		Additional Material Stainless Steel (C)
			inch	mm	inch	mm		inch	mm	
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	
1J177-12-10	1-3/16x12	5/8	3.21	81,5	3.78	96	36	1.86	47,3	
1J177-12-12	1-3/16x12	3/4	4.23	107,4	3.78	96	36	2.59	65,9	
1J177-16-12	1-7/16x12	3/4	4.23	107,4	4.49	114	41	2.59	65,9	
1J177-16-16	1-7/16x12	1	4.65	118,1	4.49	114	41	2.70	68,6	
1J177-20-16	1-11/16x12	1	4.65	118,1	5.08	129	50	2.70	68,6	
1J177-20-20	1-11/16x12	1-1/4	5.35	136,0	5.08	129	50	3.08	78,3	
1J177-20-20C	1-11/16x12	1-1/4	6.29	159,8	5.08	129	50	4.02	102,1	●

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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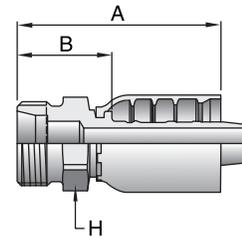
1D277

Male Metric S - Rigid - (24° Cone)

End Connection per ISO 8434-1-BHS

# Part Number	Thread mm	Hose I.D. inch	A		H mm	B	
			inch	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
1D277-20-12	M30x2	3/4	3.29	83,6	30	1.66	42,1
1D277-25-12	M36x2	3/4	3.39	86,3	36	1.76	44,8
1D277-30-16	M42x2	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



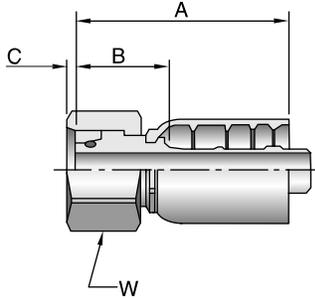
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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1C977

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



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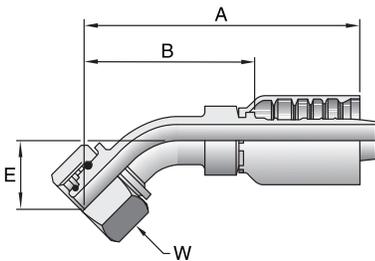
# Part Number	Thread mm	Hose I.D. inch	A inch mm		C inch mm		W mm	B inch mm		Additional Material Stainless Steel (C)
1C977-12-8	12 M20x1,5	1/2	2.39	60,8	0.03	1,0	24	1.17	29,8	•
1C977-16-8	16 M24x1,5	1/2	2.34	59,5	0.09	2,0	30	1.12	28,5	•
1C977-16-10	16 M24x1,5	5/8	2.64	67,0	0.09	2,0	30	1.29	32,8	•
1C977-20-8	20 M30x2	1/2	2.46	62,5	0.05	1,3	36	1.24	31,5	•
1C977-20-10	20 M30x2	5/8	2.64	67,0	0.05	1,3	36	1.29	32,8	•
1C977-20-12	20 M30x2	3/4	2.97	75,5	0.05	1,3	36	1.34	34,0	•
1C977-25-12	25 M36x2	3/4	3.00	76,5	0.10	2,6	46	1.37	35,0	•
1C977-25-16	25 M36x2	1	3.60	91,4	0.10	2,6	46	1.65	41,9	•
1C977-30-12	30 M42x2	3/4	3.17	80,4	0.19	5,0	50	1.53	39,0	•
1C977-30-16	30 M42x2	1	3.50	89,0	0.19	5,0	50	1.55	39,5	•
1C977-30-20	30 M42x2	1-1/4	4.09	103,9	0.19	5,0	50	1.82	46,2	•
1C977-38-20	38 M52x2	1-1/4	3.92	99,6	0.27	6,9	60	1.65	42,0	•
1C977-38-24	38 M52x2	1-1/2	4.08	103,7	0.24	6,0	60	1.69	43,1	•

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10C77

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



view on web page

# Part Number	Thread mm	Hose I.D. inch	A inch mm		E inch mm		W mm	B inch mm	
10C77-16-8	16 M24x1,5	1/2	3.28	83,4	0.93	23,5	30	2.06	52,4
10C77-20-10	20 M30x2	5/8	4.20	106,7	1.10	28,0	36	2.85	72,4
10C77-20-12	20 M30x2	3/4	4.74	120,4	1.18	30,0	36	3.10	78,8
10C77-25-12	25 M36x2	3/4	4.70	119,3	1.14	29,0	46	3.06	77,8
10C77-25-16	25 M36x2	1	5.59	141,9	1.30	33,0	46	3.64	92,4
10C77-30-16	30 M42x2	1	5.58	141,8	1.30	33,0	50	3.63	92,3
10C77-38-20	38 M52x2	1-1/4	6.60	167,7	1.44	36,5	60	4.33	110,0
10C77-38-24	38 M52x2	1-1/2	7.09	180,05	1.93	49,0	60	4.70	119,35

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

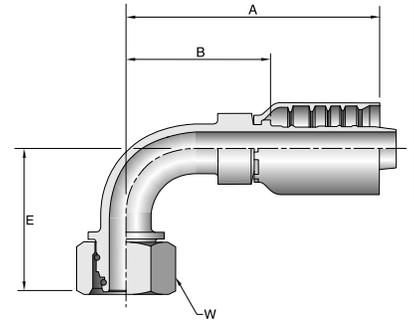
Refer to Pressure Rating of Hose End Connections Chart on page E-47.

11C77

Female Metric S - 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
11C77-16-8	M24x1,5	1/2	3.02	76,6	1.77	45	30	1.80	45,6
11C77-20-10	M30x2	5/8	3.62	92,0	2.09	53	36	2.27	57,8
11C77-20-12	M30x2	3/4	4.25	107,9	2.36	60	36	2.61	66,4
11C77-25-12	M36x2	3/4	4.25	107,9	2.32	59	46	2.61	66,4
11C77-25-16	M36x2	1	4.65	118,1	2.75	70	46	2.70	68,6
11C77-30-16	M42x2	1	5.16	131,0	2.72	69	50	3.21	81,6
11C77-38-20	M52x2	1-1/4	6.28	159,5	3.07	78	60	4.01	101,8
11C77-38-24	M52x2	1-1/2	6.24	158,45	3.98	101	60	3.85	97,75

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



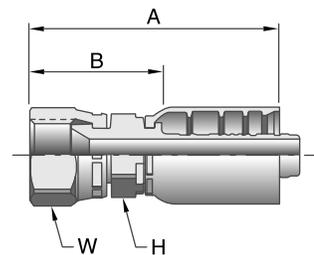
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1FU77

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
1FU77-8-8	1/2x14	1/2	2.89	73,4	22	27	1.67	42,4
1FU77-12-12	3/4x14	3/4	3.71	94,1	32	36	2.07	52,6
1FU77-16-16	1x11	1	4.31	109,5	41	41	2.36	60,0
1FU77-20-20	1-1/4x11	1-1/4	4.88	123,9	50	50	2.60	66,1
1FU77-24-24	1-1/2x11	1-1/2	5.42	137,7	60	60	3.03	77,1

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

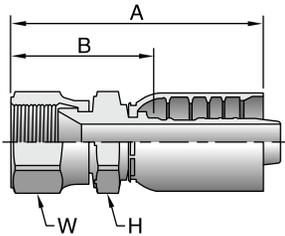


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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1KU77 Female Metric - Swivel - (30° Flare)

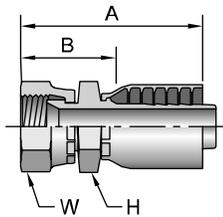


# Part Number	Thread mm	Hose I.D. inch	A		H	W	B	
			inch	mm	mm	mm	inch	mm
1KU77-10-10	M24x1,5	5/8	3.44	87,5	32	32	2.09	53,2
1KU77-12-12	M30x1,5	3/4	3.79	96,3	36	36	2.16	54,8
1KU77-16-16	M33x1,5	1	4.61	117,1	41	41	2.66	67,6

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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1MU77 Female Metric - Swivel - (30° Flare)

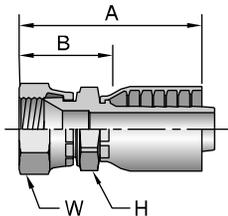


# Part Number	Thread mm	Hose I.D. inch	A		H	W	B	
			inch	mm	mm	mm	inch	mm
1MU77-8-8	M22x1,5	1/2	2.89	73,4	22	27	1.67	42,4

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

view on web page

1XU77 Female Metric - Swivel - (30° Flare)



# Part Number	Thread mm	Hose I.D. inch	A		H	W	B	
			inch	mm	mm	mm	inch	mm
1XU77-10-10	M24x1,5	5/8	3.44	87,5	30	32	2.09	53,2
1XU77-12-12	M30x1,5	3/4	3.93	99,7	32	36	2.29	58,3
1XU77-16-16	M33x1,5	1	4.55	115,6	36	41	2.60	66,1
1XU77-20-20	M36x1,5	1-1/4	5.18	131,4	46	46	2.90	73,7
1XU77-24-24	M42x1,5	1-1/2	5.65	143,4	50	55	3.26	82,7

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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See Accessories Section for O-Rings and Flange Kits.

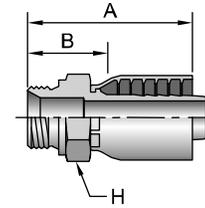
Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1D977

Male BSP Parallel Pipe - Rigid - (60° Cone)

# Part Number	Thread inch	Hose I.D. inch	A		H mm	B	
			inch	mm		inch	mm
1D977-12-12	3/4x14A	3/4	3.43	87,0	32	1.79	45,6

⚠️ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



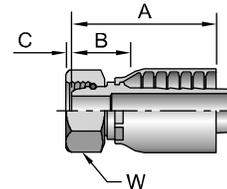
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19277

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

# Part Number	Thread inch	Hose I.D. inch	A		C		W mm	B	
			inch	mm	inch	mm		inch	mm
19277-12-12	3/4x12	3/4	2.86	72,6	0.35	8,9	32	1.22	31,1
19277-24-24	1-1/2x11	1-1/2	4.07	103,4	0.45	11,5	55	1.68	42,7
19277-32-32	2x11	2	4.93	125,1	0.50	13,3	70	2.17	55,1

⚠️ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



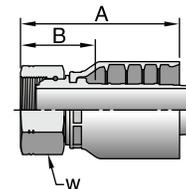
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1EA77

Female BSP Parallel Pipe - Swivel - (60° Cone with O-Ring)

# Part Number	Thread inch	Hose I.D. inch	A		W mm	B	
			inch	mm		inch	mm
1EA77-24-24	1-1/2x11	1-1/2	4.05	102,9	55	1.66	42,2
1EA77-32-32	2x11	2	4.63	117,7	70	1.88	47,8

⚠️ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



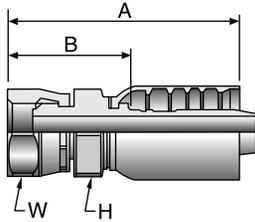
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See Accessories Section for O-Rings and Flange Kits.

⚠️ Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1GU77

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



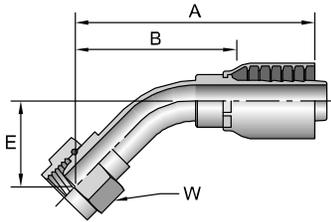
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# Part Number	Thread inch	Hose I.D. inch	A		H mm	W mm	B	
			inch	mm			inch	mm
1GU77-8-8	1/2x14	1/2	2.97	75,5	27	27	1.75	44,5
1GU77-12-12	3/4x14	3/4	3.74	94,9	36	36	2.10	53,4
1GU77-16-16	1x11	1	4.33	110,0	41	41	2.38	60,5
1GU77-20-20	1-1/4x11	1-1/4	4.91	124,7	46	50	2.64	67,0
1GU77-24-24	1-1/2x11	1-1/2	5.49	139,3	60	60	3.09	78,6
1GU77-32-32	2x11	2	6.04	153,4	70	70	3.28	83,4

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1B177

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



[view on web page](#)

# Part Number	Thread inch	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	mm		inch	mm
1B177-16-16	1x11	1	5.71	145,0	1.42	36	41	3.76	95,5

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings and Flange Kits.

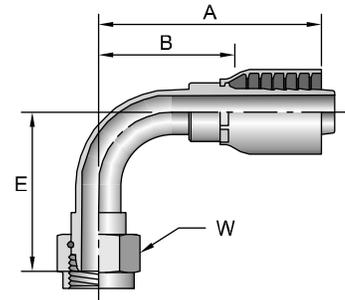
Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1B277

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

# Part Number	Thread inch	Hose I.D. inch	A		E		W mm	B		Additional Material Stainless Steel (C)
			inch	mm	inch	mm		inch	mm	
1B277-12-12	3/4x14	3/4	4.26	108,1	2.17	55,0	32	2.62	66,6	●
1B277-16-16	1x11	1	4.65	118,1	2.89	73,5	41	2.70	68,6	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



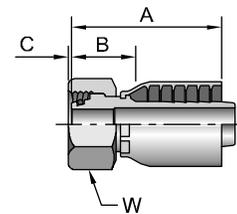
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1CA77

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

# Part Number	Thread mm	Hose I.D. inch	A		C mm	W mm	B	
			inch	mm			inch	mm
1CA77-22-12	M30x2	3/4	2.86	72,6	0.15	36	1.22	31,1
1CA77-28-16	M36x2	1	3.52	89,4	0.08	41	1.57	39,9
1CA77-35-20	M42x2	1-1/4	3.95	100,4	0.06	50	1.68	42,6
1CA77-42-24	M52x2	1-1/2	4.18	106,2	0.14	60	1.79	45,5

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



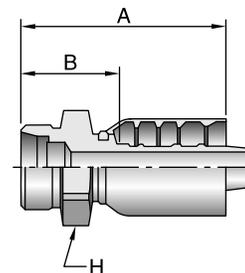
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1ZM77

Male 24° Cone Metric - Rigid

# Part Number	Thread mm	Hose I.D. inch	A		H mm	B	
			inch	mm		inch	mm
1ZM77-22-10	M30x1,5	5/8	2.83	71,8	36	1.48	37,6
1ZM77-22-12	M30x1,5	3/4	3.17	80,4	36	1.53	39,0
1ZM77-28-12	M36x1,5	3/4	3.38	85,8	41	1.74	44,3
1ZM77-28-16	M36x1,5	1	3.77	95,8	41	1.82	46,2
1ZM77-35-16	M45x1,5	1	3.85	97,8	50	1.90	48,3

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

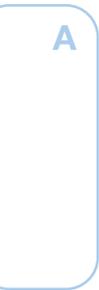


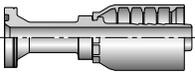
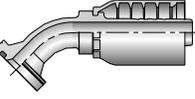
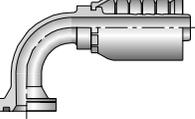
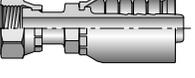
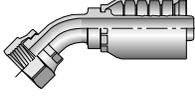
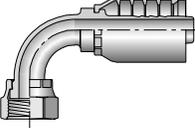
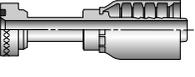
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See Accessories Section for O-Rings and Flange Kits.

Refer to Pressure Rating of Hose End Connections Chart on page E-47.

Notes



 <p>Code 62 Flange</p>	<p>16A79 B-126</p>  <p><i>Flange</i></p>	<p>16F79 B-126</p>  <p><i>45° Elbow</i></p>	<p>16N79 B-126</p>  <p><i>90° Elbow</i></p>	 <p>Seal-Lok® (O-Ring Face Seal)</p>	<p>1JS79 B-127</p>  <p><i>Female - Swivel Long</i></p>
<p>1J779 B-127</p>  <p><i>Female - Swivel 45° Elbow</i></p>	<p>1J979 B-128</p>  <p><i>Female - Swivel 90° Elbow - Short</i></p>	 <p>Flange Head</p>	<p>1XA79 B-128</p>  <p><i>Flange Head</i></p>		

A

B

C

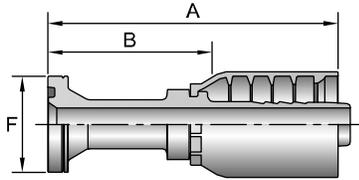
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E

16A79

SAE Code 62 Flange Head

ISO 12151-3 - S - S



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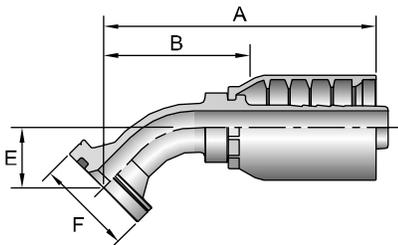
# Part Number	Flange inch	Hose I.D. inch	A		F		B	
			inch	mm	inch	inch	inch	mm
16A79-12-12	3/4	3/4	4.90	124	1-5/8	2.84	72	
16A79-16-16	1	1	5.48	139	1-7/8	3.31	84	
16A79-20-16	1-1/4	1	4.28	109	2-1/8	2.11	54	
16A79-20-20	1-1/4	1-1/4	6.09	155	2-1/8	3.41	87	
16A79-24-24	1-1/2	1-1/2	7.11	181	1-1/2	4.07	103	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16F79

SAE Code 62 Flange Head - 45° Elbow

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



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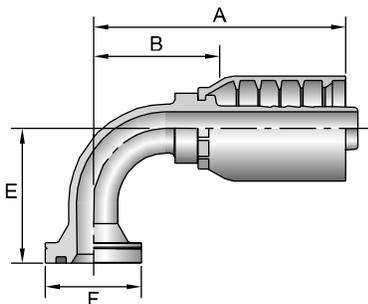
# Part Number	Flange inch	Hose I.D. inch	A		E		F		B	
			inch	mm	inch	mm	inch	inch	inch	mm
16F79-16-16	1	1	5.33	135	1.26	32	1-7/8	3.16	80	
16F79-20-20	1-1/4	1-1/4	6.77	172	1.50	38	2-1/8	4.09	104	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16N79

SAE Code 62 Flange Head - 90° Elbow

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



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# Part Number	Flange inch	Hose I.D. inch	A		E		F		B	
			inch	mm	inch	mm	inch	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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

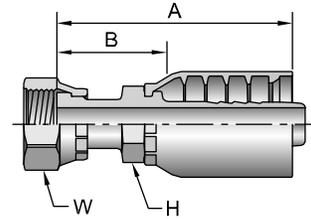
See Accessories Section for O-Rings and Flange Kits.

1JS79

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

# Part Number	Thread		Hose I.D. inch	A		H inch	W inch	B	
	inch	inch		inch	mm			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



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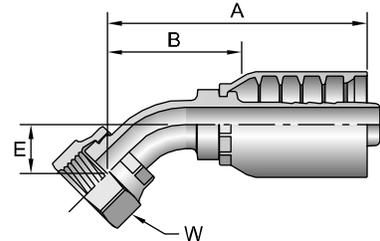
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J779

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45

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



view on web page

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

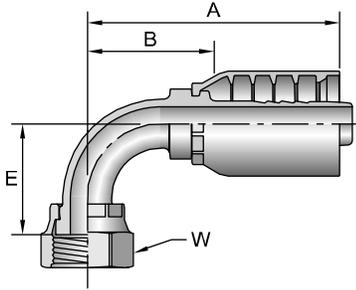
See Accessories Section for O-Rings and Flange Kits.

! Refer to Pressure Rating of Hose End Connections Chart on page E-47.

1J979

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

ISO - 12151-1 - SWES90



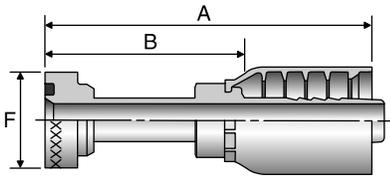
# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch	inch		inch	mm	inch	mm		inch	mm
1J979-12-12	3/4	1-3/16x12	3/4	4.27	108	1.88	48	1-3/8	2.21	56
1J979-16-16	1	1-7/16x12	1	4.95	126	2.21	56	1-5/8	2.78	71

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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1XA79

Caterpillar® Flange Head



# Part Number	Flange inch	Hose I.D. inch	A		F inch	B	
			inch	mm		inch	mm
1XA79-16-16	1	1	5.75	146	1-7/8	3.59	91

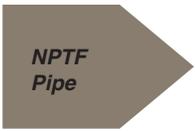
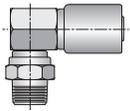
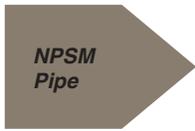
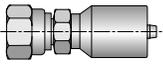
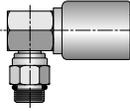
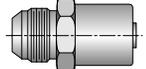
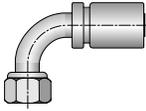
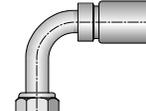
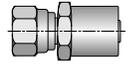
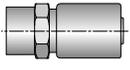
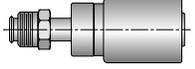
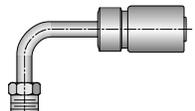
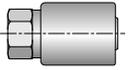
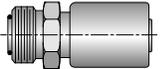
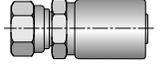
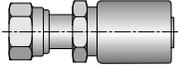
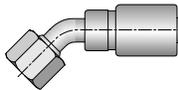
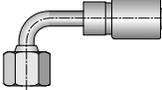
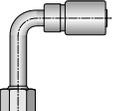
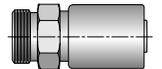
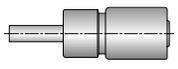
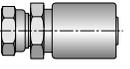
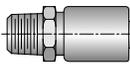
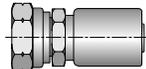
⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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⚠ Refer to Pressure Rating of Hose End Connections Chart on page E-47.

Notes

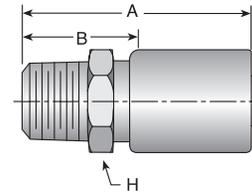


A		101HY B-131  Male - Rigid	113HY B-131  Male - Swivel	11LHY B-132  Male - Swivel 90° Elbow	102HY B-132  Female - Rigid	
	107HY B-132  Female - Swivel (60° Cone)		105HY B-133  Male - Rigid	10GHY B-133  Male - Swivel	10LHY B-134  Male - Swivel 90° Elbow	
B	103HY B-134  Male - Rigid	106HY B-135  Female - Swivel	137HY B-136  Female - Swivel 45° Elbow - Short	139HY B-136  Female - Swivel 90° Elbow - Short	141HY B-137  Female - Swivel 90° Elbow - Long	
	108HY B-137  Female - Swivel	177HY B-138  Female - Swivel 45° Elbow	179HY B-138  Female - Swivel 90° Elbow		111HY B-138  Male - Rigid	
C	1GJHY B-139  Female - Rigid		128HY B-139  Male - Swivel	167HY B-139  Male - Swivel 45° Elbow	169HY B-140  Male - Swivel 90° Elbow	129HY B-140  Female - Rigid
		1J0HY B-140  Male - Rigid w/O-Ring	1JCHY B-140  Female - Swivel Short	1JSHY B-141  Female - Swivel Long	1J7HY B-141  Female - Swivel 45° Elbow	1J9HY B-142  Female - Swivel 90° Elbow - Short
D	1J1HY B-142  Female - Swivel 90° Elbow - Long		1D0HY B-143  Male - Rigid	13DHY B-143  Male Standpipe Rigid		1D9HY B-143  Male - Rigid
	1GUHY B-144  Female - Swivel	1UTHY B-144  Male - Rigid	1XUHY B-144  Female - Metric Swivel			
E						

101HY

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	
101HY-2-4	1/8x27	1/4	2.34	59	5/8	1.00	25	
101HY-4-4	1/4x18	1/4	2.53	64	9/16	1.19	30	•
101HY-4-5	1/4x18	5/16	2.56	65	11/16	1.22	31	
101HY-4-6	1/4x18	3/8	2.55	65	11/16	1.19	30	
101HY-6-4	3/8x18	1/4	2.53	64	3/4	1.19	30	
101HY-6-5	3/8x18	5/16	2.56	65	3/4	1.22	31	
101HY-6-6	3/8x18	3/8	2.55	65	3/4	1.19	30	•
101HY-6-8	3/8x18	1/2	2.72	69	7/8	1.38	35	
101HY-8-4	1/2x14	1/4	2.72	69	7/8	1.38	35	
101HY-8-6	1/2x14	3/8	2.73	69	7/8	1.38	35	
101HY-8-8	1/2x14	1/2	2.91	74	7/8	1.41	40	•
101HY-8-10	1/2x14	5/8	2.94	75	1-1/8	1.59	40	
101HY-8-12	1/2x14	3/4	3.08	78	1-1/4	1.50	38	
101HY-12-8	3/4x14	1/2	2.91	74	1-1/16	1.56	40	
101HY-12-12	3/4x14	3/4	3.08	78	1-1/4	1.50	38	•
101HY-12-16	3/4x14	1	3.23	82	1-3/8	1.63	41	
101HY-16-12	1x11-1/2	3/4	3.27	83	1-3/8	1.69	43	
101HY-16-14	1x11-1/2	7/8	3.27	83	1-3/8	1.78	43	
101HY-16-16	1x11-1/2	1	3.42	87	1-3/8	1.81	46	•
101HY-20-20	1-1/4x11-1/2	1-1/4	3.84	98	1-3/4	2.00	51	



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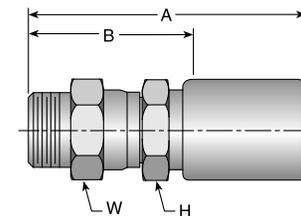
Stainless steel fittings must be assembled with Karrykrimp 2, Phastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

113HY

Male NPTF Pipe - Swivel

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



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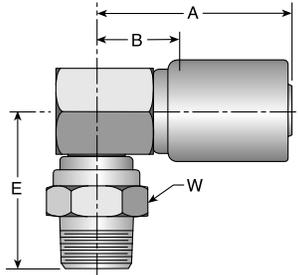
Fitting allows minor movement under pressure to relieve stress on hose but is not to be used for continuous swiveling.

See Technical Section for Pressure Limitations.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

11LHY

Male NPTF Pipe - Swivel - 90° Elbow



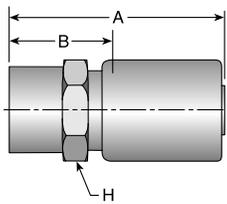
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# Part Number	Thread inch	Hose I.D. inch	A		E		W		B	
			inch	mm	inch	mm	inch	inch	mm	
11LHY-2-4	1/8x27	1/4	2.31	59	1.50	38	5/8	0.97	25	
11LHY-4-4	1/4x18	1/4	2.31	59	1.69	43	11/16	0.97	25	
11LHY-6-6	3/8x8	3/8	2.33	59	1.63	41	11/16	0.97	25	
11LHY-8-6	1/2x14	3/8	2.73	69	1.88	48	7/8	0.97	25	
11LHY-8-8	1/2x14	1/2	3.00	76	1.93	49	7/8	1.09	28	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

102HY

Female NPTF Pipe - Rigid



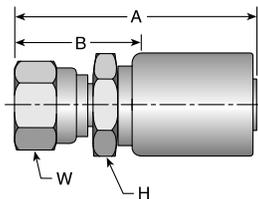
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# Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
102HY-2-4	1/8x27	1/4	2.34	59	5/8	1.00	25
102HY-4-4	1/4x18	1/4	2.47	63	11/16	1.13	29
102HY-4-6	1/4x18	3/8	2.48	63	11/16	1.13	29
102HY-6-6	3/8x18	3/8	2.48	63	7/8	1.13	29
102HY-8-6	1/2x14	3/8	2.75	70	1	1.41	36
102HY-8-8	1/2x14	1/2	2.84	72	1	1.50	38
102HY-12-12	3/4x14	3/4	2.83	72	1-1/4	1.25	32
102HY-16-16	1x11-1/2	1	3.27	83	1-1/2	1.66	42

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

107HY

Female NPSM Pipe - Swivel - (60° Cone)



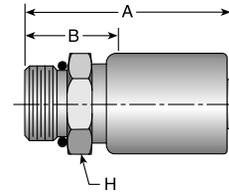
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# Part Number	Thread inch	Hose I.D. inch	A		H	W	B	
			inch	mm	inch	inch	inch	mm
107HY-4-4	1/4x18	1/4	2.66	68	9/16	11/16	1.31	33
107HY-6-4	3/8x18	1/4	2.72	69	3/4	7/8	1.38	35
107HY-6-6	3/8x18	3/8	2.55	65	3/4	7/8	1.19	30
107HY-8-8	1/2x14	1/2	2.91	74	1	1	1.56	40
107HY-12-12	3/4x14	3/4	3.22	82	1-1/4	1-1/4	1.66	42
107HY-16-16	1x11-1/2	1	3.39	86	1-3/8	1-1/2	1.78	45

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

105HY Male SAE Straight Thread with O-Ring - Rigid

# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
105HY-4-4	7/16x20	1/4	2.33	59	9/16	0.97	25
105HY-6-4	9/16x18	1/4	2.42	61	11/16	1.06	27
105HY-6-6	9/16x18	3/8	2.38	60	11/16	1.03	26
105HY-8-6	3/4x16	3/8	2.42	61	7/8	1.06	27
105HY-8-8	3/4x16	1/2	2.59	66	7/8	1.25	32
105HY-10-8	7/8x14	1/2	2.66	68	1	1.31	33
105HY-10-10	7/8x14	5/8	2.80	71	1-1/8	1.41	36
105HY-12-8	1-1/16x12	1/2	2.81	71	1-1/4	1.47	37
105HY-12-12	1-1/16x12	3/4	2.92	74	1-1/4	1.34	34
105HY-16-12	1-5/16x12	3/4	2.92	74	1-1/2	1.34	34
105HY-16-16	1-5/16x12	1	3.08	78	1-1/2	1.47	37

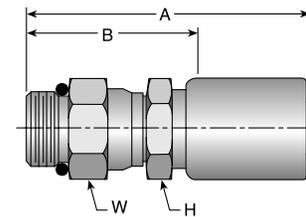


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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

10GHY Male SAE Straight Thread with O-Ring - Swivel

# Part Number	Thread inch	Hose I.D. inch	A		H inch	W inch	B	
			inch	mm			inch	mm
10GHY-4-4	7/16x20	1/4	3.00	76	9/16	5/8	1.66	42
10GHY-6-6	9/16x18	3/8	3.14	80	11/16	11/16	1.78	45
10GHY-8-6	3/4x16	3/8	3.24	82	13/16	7/8	1.88	48
10GHY-8-8	3/4x16	1/2	3.36	85	7/8	7/8	2.00	51
10GHY-10-8	7/8x14	1/2	3.44	87	1	1	2.09	53
10GHY-12-8	1-1/16x12	1/2	3.66	93	1-1/4	1-1/4	2.31	59
10GHY-16-16	1-5/16x12	1	3.95	100	1-3/8	1-1/2	2.34	59



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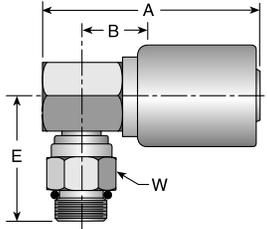
Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on extensive or continuous swiveling.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

O-Ring not compatible with Phosphate Ester fluids.

10LHY

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



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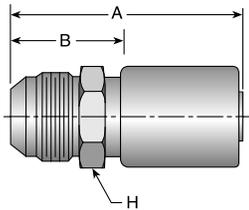
# Part Number	Thread inch	Hose I.D. inch	A		E		W		B	
			inch	mm	inch	mm	inch	inch	mm	
10LHY-6-4	9/16x18	1/4	2.31	59	1.66	42	7/8	0.97	25	
10LHY-6-6	9/16x18	3/8	2.33	59	1.66	42	11/16	0.97	25	
10LHY-8-6	3/4x16	3/8	2.33	59	1.73	44	7/8	0.97	25	
10LHY-8-8	3/4x16	1/2	3.00	76	1.80	46	7/8	1.09	28	
10LHY-10-8	7/8x14	1/2	3.00	76	1.88	48	1	1.09	28	
10LHY-12-12	1-1/16x12	3/4	2.77	70	2.23	57	1-1/4	1.19	30	

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

103HY

Male JIC 37° - Rigid



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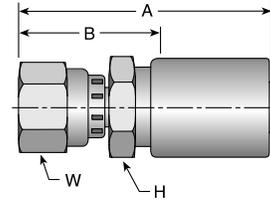
# Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
103HY-4-4	7/16x20	1/4	2.52	64	5/8	1.19	30
103HY-5-4	1/2x20	1/4	2.52	64	5/8	1.19	30
103HY-6-4	9/16x18	1/4	2.53	64	11/16	1.19	30
103HY-6-5	9/16x18	5/16	2.56	65	11/16	1.22	31
103HY-6-6	9/16x18	3/8	2.54	65	11/16	1.19	30
103HY-8-6	3/4x16	3/8	2.64	67	13/16	1.28	33
103HY-8-8	3/4x16	1/2	2.81	71	7/8	1.47	37
103HY-10-6	7/8x14	3/8	2.81	71	1	1.47	37
103HY-10-8	7/8x14	1/2	2.91	74	1	1.56	40
103HY-10-10	7/8x14	5/8	2.98	76	1-1/8	1.59	40
103HY-12-8	1-1/16x12	1/2	3.02	77	1-1/8	1.66	42
103HY-12-10	1-1/16x12	5/8	3.09	78	1-1/8	1.72	44
103HY-12-12	1-1/16x12	3/4	3.19	81	1-1/4	1.63	41
103HY-14-12	1-3/16x12	3/4	3.19	81	1-1/4	1.63	41
103HY-16-12	1-5/16x12	3/4	3.23	82	1-3/8	1.66	42
103HY-16-16	1-5/16x12	1	3.39	86	1-3/8	1.78	45

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

106HY

Female JIC 37° - Swivel

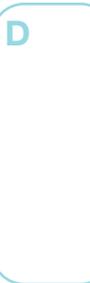
# Part Number	Thread inch	Hose I.D. inch	A		H inch	W inch	B		Additional Material Stainless Steel (C)
			inch	mm			inch	mm	
106HY-3-4	3/8x24	1/4	2.58	66	9/16	1/2	1.22	31	
106HY-4-4	7/16x20	1/4	2.60	66	9/16	9/16	1.25	32	•
106HY-4-6	7/16x20	3/8	2.67	68	3/4	9/16	1.31	33	
106HY-5-4	1/2x20	1/4	2.65	67	9/16	5/8	1.31	33	
106HY-5-5	1/2x20	5/16	2.69	68	5/8	5/8	1.34	34	
106HY-5-6	1/2x20	3/8	2.73	69	3/4	5/8	1.38	35	
106HY-6-4	9/16x18	1/4	2.67	68	9/16	11/16	1.31	33	
106HY-6-5	9/16x18	5/16	2.70	69	5/8	11/16	1.34	34	
106HY-6-6	9/16x18	3/8	2.69	68	11/16	11/16	1.34	34	•
106HY-8-6	3/4x16	3/8	2.72	69	7/8	7/8	1.38	35	
106HY-8-8	3/4x16	1/2	2.90	74	7/8	7/8	1.41	40	•
106HY-8-10	3/4x16	5/8	2.98	76	1-1/8	7/8	1.59	40	
106HY-8-12	3/4x16	3/4	3.08	78	1-1/4	7/8	1.53	39	
106HY-10-6	7/8x14	3/8	2.81	71	7/8	1	1.47	37	
106HY-10-8	7/8x14	1/2	2.98	76	1	1	1.63	41	
106HY-10-10	7/8x14	5/8	3.06	78	1-1/8	1	1.69	43	
106HY-10-12	7/8x14	3/4	3.16	80	1-1/4	1	1.59	40	
106HY-12-8	1-1/16x12	1/2	3.05	77	1-1/8	1-1/4	1.69	43	
106HY-12-10	1-1/16x12	5/8	3.12	79	1-1/8	1-1/4	1.75	44	
106HY-12-12	1-1/16x12	3/4	3.22	82	1-1/4	1-1/4	1.66	42	•
106HY-12-16	1-1/16x12	1	3.38	86	1-3/8	1-1/4	1.75	44	
106HY-14-12	1-3/16x12	3/4	3.23	82	1-1/4	1 3/8	1.66	42	
106HY-16-12	1-5/16x12	3/4	3.30	84	1-3/8	1-1/2	1.72	44	
106HY-16-14	1-5/16x12	7/8	3.30	84	1-3/8	1-1/2	1.72	44	
106HY-16-16	1-5/16x12	1	3.45	88	1-3/8	1-1/2	1.84	47	•
106HY-20-16	1-5/8x12	1	3.70	94	1-3/4	2	2.09	53	
106HY-20-20	1-5/8x12	1-1/4	4.09	104	2	2	2.25	57	



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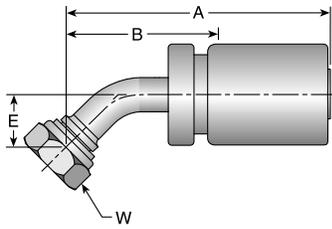
Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



137HY

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



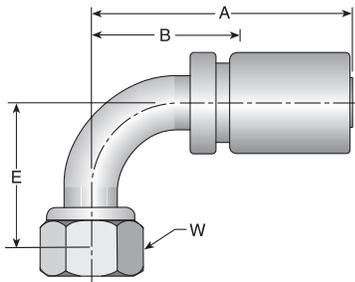
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# Part Number	Thread inch	Hose I.D. inch	A		E		W		B	
			inch	mm	inch	mm	inch	inch	inch	mm
137HY-4-4	7/16x20	1/4	2.59	66	0.39	10	9/16	1.32	34	
137HY-6-4	9/16x18	1/4	2.70	69	0.43	10	3/4	1.43	36	
137HY-6-6	9/16x18	3/8	2.72	69	0.43	11	11/16	1.44	37	
137HY-8-6	3/4x16	3/8	2.88	73	0.58	15	7/8	1.60	41	
137HY-8-8	3/4x16	1/2	3.10	79	0.59	15	7/8	1.81	46	
137HY-10-8	7/8x14	1/2	3.20	81	0.63	16	1	1.91	49	
137HY-10-10	7/8x14	5/8	3.29	84	0.63	16	1	1.93	49	
137HY-12-12	1-1/16x12	3/4	3.82	97	0.83	21	1-1/4	2.29	58	
137HY-16-16	1-5/16x12	1	4.31	109	0.89	23	1-1/2	2.69	68	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

139HY

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



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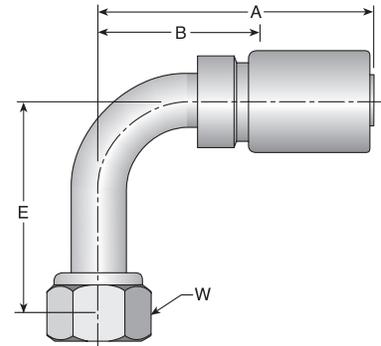
# Part Number	Thread inch	Hose I.D. inch	A		E		W		B	
			inch	mm	inch	mm	inch	inch	inch	mm
139HY-4-4	7/16x20	1/4	2.40	61	0.83	21	9/16	1.13	29	
139HY-5-4	1/2x20	1/4	2.50	64	0.83	21	5/8	1.23	31	
139HY-6-4	9/16x18	1/4	2.65	67	0.91	23	3/4	1.38	35	
139HY-6-6	9/16x18	3/8	2.57	65	0.91	23	11/16	1.29	33	
139HY-8-6	3/4x16	3/8	2.64	67	1.14	29	7/8	1.37	35	
139HY-8-8	3/4x16	1/2	2.85	72	1.14	29	7/8	1.56	40	
139HY-10-8	7/8x14	1/2	3.01	76	1.26	32	1	1.72	44	
139HY-10-10	7/8x14	5/8	3.09	78	1.26	32	1	1.73	44	
139HY-12-8	1-1/16x12	1/2	3.61	92	1.83	46	1-1/4	2.25	57	
139HY-12-10	1-1/16x12	5/8	3.61	92	1.89	48	1-1/4	2.25	57	
139HY-12-12	1-1/16x12	3/4	3.68	93	1.89	48	1-1/4	2.15	55	
139HY-16-12	1-5/16x12	3/4	4.33	110	2.14	54	1-1/2	2.78	71	
139HY-16-16	1-5/16x12	1	4.31	109	2.31	59	1-1/2	2.69	68	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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

# Part Number	Thread inch	Hose I.D. inch	A		E		W		B	
			inch	mm	inch	mm	inch	inch	inch	mm
141HY-4-4	7/16x20	1/4	2.68	68	1.81	46	9/16	1.41	36	
141HY-6-4	9/16x18	1/4	2.89	73	2.13	54	11/16	1.62	41	
141HY-6-6	9/16x18	3/8	2.76	70	2.13	54	11/16	1.49	39	
141HY-8-6	3/4x16	3/8	2.85	72	2.52	64	7/8	1.58	40	
141HY-8-8	3/4x16	1/2	2.89	73	2.52	64	7/8	1.60	41	
141HY-10-8	7/8x14	1/2	3.01	76	2.76	70	1	1.72	44	
141HY-12-12	1-1/16x12	3/4	3.59	91	3.73	95	1-1/4	2.03	52	
141HY-16-16	1-5/16x12	1	4.56	116	4.33	110	1-1/2	2.94	75	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

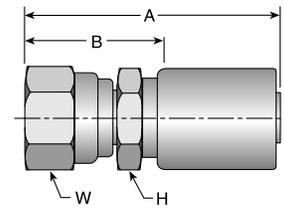


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108HY Female SAE 45° - Swivel

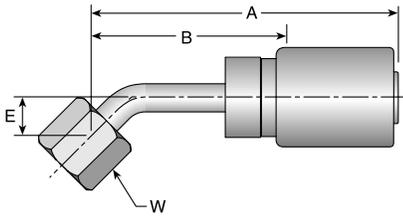
# Part Number	Thread inch	Hose I.D. inch	A		H	W	B	
			inch	mm	inch	inch	inch	mm
108HY-5-5	1/2x20	5/16	2.68	68	5/8	5/8	1.34	34
108HY-6-4	5/8x18	1/4	2.73	69	11/16	3/4	1.38	35
108HY-6-5	5/8x18	5/16	2.76	70	5/8	3/4	1.41	36
108HY-6-6	5/8x18	3/8	2.75	70	11/16	3/4	1.41	36
108HY-8-8	3/4x16	1/2	2.90	74	7/8	7/8	1.56	40
108HY-8-12	3/4x16	3/4	3.17	81	1-1/4	7/8	1.59	40
108HY-12-12	1-1/16x12	3/4	3.41	87	1-1/4	1-1/4	1.84	47

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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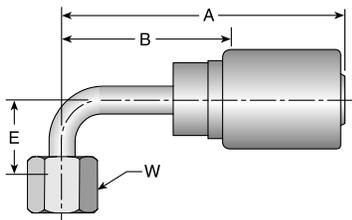
177HY Female SAE 45° - Swivel - 45° Elbow



# Part Number	Thread inch	Hose I.D. inch	A		E		W		B	
			inch	mm	inch	mm	inch	inch	mm	
177HY-12-12	1-1/16x14	3/4	4.03	102	0.77	20	1-1/4	2.44	62	

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

179HY Female SAE 45° - Swivel - 90° Elbow

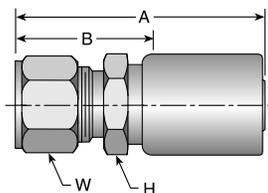


# Part Number	Thread inch	Hose I.D. inch	A		E		W		B	
			inch	mm	inch	mm	inch	inch	mm	
179HY-6-6	5/8x18	3/8	3.23	82	0.86	22	3/4	1.88	48	

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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111HY Male Ferulok Flareless - Rigid (24° Cone w/Nut and Ferrule)



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# Part Number	Thread inch	Hose I.D. inch	A		H		W		B	
			inch	mm	inch	inch	inch	inch	mm	
111HY-4-4	7/16x20	1/4	2.42	61	9/16	9/16	1.06	27		
111HY-6-6	9/16x18	3/8	2.45	62	11/16	11/16	1.09	28		
111HY-8-6	3/4x16	3/8	2.61	66	7/8	7/8	1.25	32		
111HY-8-8	3/4x16	1/2	2.72	69	7/8	7/8	1.38	35		
111HY-10-8	7/8x14	1/2	2.78	71	1	1	1.44	37		
111HY-12-12	1-1/16x12	3/4	3.02	77	1-1/4	1-1/4	1.44	37		

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.

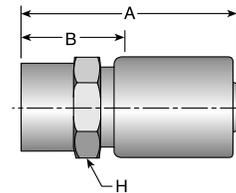
⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1GJHY

Female Grease Connection - SPL - PTF Taper Thread - Rigid - 1/2x27

# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
1GJHY-8-4	1/2x27	1/4	2.41	61	3/4	1.06	27

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



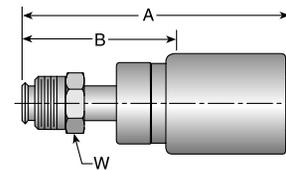
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128HY

Male Inverted SAE 45° - Swivel

# Part Number	Thread inch	Hose I.D. inch	A		W inch	B	
			inch	mm		inch	mm
128HY-4-4	7/16x24	1/4	3.28	83	7/16	1.94	49
128HY-5-4	1/2x20	1/4	3.34	85	1/2	2.00	51
128HY-6-5	5/8x18	5/16	3.75	95	5/8	2.41	61
128HY-6-6	5/8x18	3/8	3.73	95	5/8	2.38	60

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



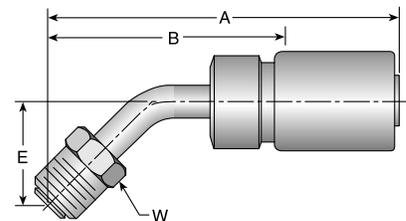
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167HY

Male Inverted SAE 45° - Swivel - 45° Elbow

# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B	
			inch	mm	inch	mm		inch	mm
167HY-6-6	5/8x18	3/8	4.16	106	0.94	24	5/8	2.81	71

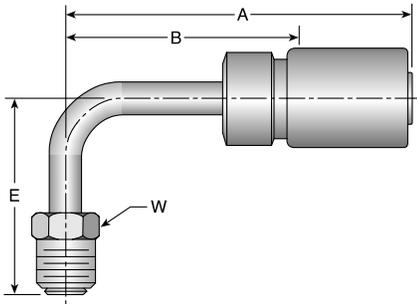
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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169HY

Male Inverted SAE 45° - Swivel - 90° Elbow



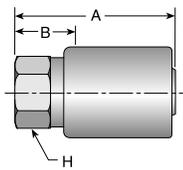
#	Thread	Hose I.D.	A		E		W	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
169HY-5-4	1/2x20	1/4	3.52	89	1.66	42	1/2	2.16	55
169HY-6-6	5/8x18	3/8	4.03	102	1.69	43	5/8	2.69	68

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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129HY

Female Inverted SAE 45° - Rigid



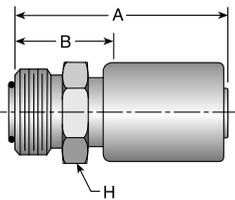
#	Thread	Hose I.D.	A		H	B	
Part Number	inch	inch	inch	mm	inch	inch	mm
129HY-5-4	1/2x20	1/4	2.25	57	5/8	0.91	23

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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1J0HY

Male Seal-Lok® - Rigid - (with O-Ring) SAE J516 (Apr2016)



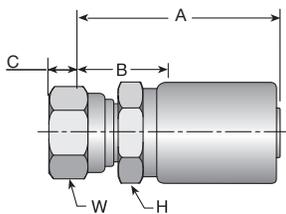
#	Thread	Hose I.D.	A		H	B	
Part Number	inch	inch	inch	mm	inch	inch	mm
1J0HY-4-4	9/16x18	1/4	2.36	60	5/8	1.00	25
1J0HY-6-6	11/16x16	3/8	2.49	63	3/4	1.13	29
1J0HY-8-8	13/16x16	1/2	2.69	68	7/8	1.34	34
1J0HY-12-8	1-3/16x12	1/2	2.91	74	1-1/4	1.56	40

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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1JCHY

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



#	Thread	Hose I.D.	A		C		H	W	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	inch	mm
1JCHY-4-4	9/16x18	1/4	2.61	66	0.31	7,8	9/16	11/16	0.94	24
1JCHY-6-6	11/16x16	3/8	2.69	68	0.34	8,7	11/16	13/16	0.94	24
1JCHY-8-8	13/16x16	1/2	2.91	74	0.43	11,0	7/8	15/16	1.13	29
1JCHY-12-12	1-3/16x12	3/4	3.31	84	0.55	14,0	1-1/4	1-3/8	1.13	29

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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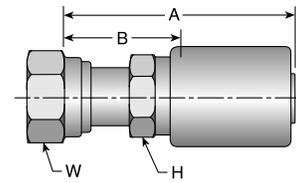
See Accessories Section for O-Rings.

1JSHY

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
1JSHY-4-4	9/16x18	1/4	2.59	66	9/16	11/16	1.25	32
1JSHY-6-4	11/16x16	1/4	2.67	68	5/8	13/16	1.31	33
1JSHY-6-5	11/16x16	5/16	2.70	69	5/8	13/16	1.34	34
1JSHY-6-6	11/16x16	3/8	2.75	70	11/16	13/16	1.34	34
1JSHY-8-6	13/16x16	3/8	2.84	72	7/8	15/16	1.50	38
1JSHY-8-8	13/16x16	1/2	2.95	75	7/8	15/16	1.59	40
1JSHY-10-8	1x14	1/2	3.16	80	15/16	1-1/8	1.81	46
1JSHY-10-10	1x14	5/8	3.17	81	1-1/8	1-1/8	1.78	45
1JSHY-10-12	1x14	3/4	3.27	83	1-1/4	1-1/8	1.69	43
1JSHY-12-10	1-3/16x12	5/8	3.20	81	1-1/8	1-3/8	1.81	46
1JSHY-12-12	1-3/16x12	3/4	3.30	84	1-1/4	1-3/8	1.72	44
1JSHY-16-12	1-7/16x12	3/4	3.44	87	1-3/8	1-5/8	1.88	48
1JSHY-16-16	1-7/16x12	1	3.59	91	1-3/8	1-5/8	1.97	50
1JSHY-20-16	1-11/16x12	1	3.47	88	1-5/8	1-7/8	1.75	59
1JSHY-20-20	1-11/16x12	1-1/4	3.98	101	1-3/4	1-7/8	2.16	55



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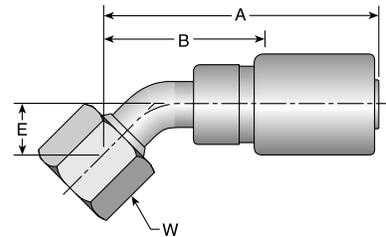
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J7HY

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45

# Part Number	Thread inch	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm	inch	inch	mm
1J7HY-4-4	9/16x18	1/4	2.59	66	0.39	10	11/16	1.32	34
1J7HY-6-4	11/16x16	1/4	2.70	69	0.43	11	13/16	1.43	36
1J7HY-6-6	11/16x16	3/8	2.72	69	0.43	11	13/16	1.44	37
1J7HY-8-4	13/16x16	1/4	2.95	75	0.59	15	15/16	1.68	43
1J7HY-8-6	13/16x16	3/8	2.89	73	0.59	15	15/16	1.62	41
1J7HY-8-8	13/16x16	1/2	3.10	79	0.59	15	15/16	1.81	46
1J7HY-10-8	1x14	1/2	3.20	81	0.63	16	1-1/8	1.91	49
1J7HY-10-10	1x14	5/8	3.29	84	0.63	16	1-1/8	1.93	49
1J7HY-12-12	1-3/16x12	3/4	3.82	97	0.83	21	1-3/8	2.29	58
1J7HY-16-16	1-7/16x12	1	4.55	116	0.97	25	1-5/8	2.94	75



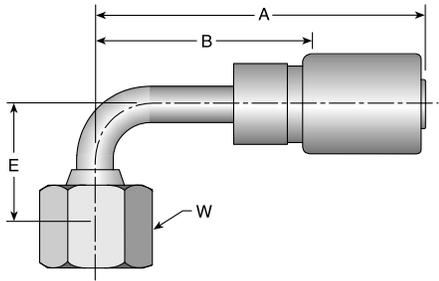
view on web page

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings.

1J9HY

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

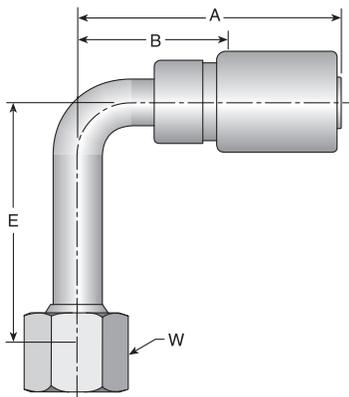


# Part Number	Thread inch	Hose I.D. inch	A		E		W		B	
			inch	mm	inch	mm	inch	inch	mm	
1J9HY-4-4	9/16x18	1/4	2.40	61	0.83	21	11/16	1.13	29	
1J9HY-4-6	9/16x18	3/8	3.08	78	0.83	21	11/16	1.72	44	
1J9HY-6-4	11/16x16	1/4	2.65	67	0.91	23	13/16	1.38	35	
1J9HY-6-5	11/16x16	5/16	3/14	80		23	13/16	1.72	44	
1J9HY-6-6	11/16x16	3/8	2.57	65	0.91	23	13/16	1.29	33	
1J9HY-8-6	13/16x16	3/8	2.64	67	1.14	29	15/16	1.37	35	
1J9HY-8-8	13/16x16	1/2	2.85	72	1.14	29	15/16	1.56	40	
1J9HY-10-8	1x14	1/2	3.01	76	1.26	32	1-1/8	1.72	44	
1J9HY-10-10	1x14	5/8	3.09	78	1.26	32	1-1/8	1.73	44	
1J9HY-10-12	1x14	3/4	3.52	89	1.33	34	1-1/8	1.97	50	
1J9HY-12-10	1-3/16x12	5/8	3.61	92	1.89	48	1-3/8	2.25	57	
1J9HY-12-12	1-3/16x12	3/4	3.68	93	1.89	48	1-3/8	2.15	55	
1J9HY-16-12	1-7/16x12	3/4	4.27	108	2.25	57	1-5/8	2.69	68	
1J9HY-16-16	1-7/16x12	1	4.45	113	2.25	57	1-5/8	2.84	72	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J1HY

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	
1J1HY-4-4	9/16x18	1/4	2.68	68	1.81	46	11/16	1.41	36	
1J1HY-6-6	11/16x16	3/8	2.76	70	2.13	54	13/16	1.49	38	
1J1HY-8-8	13/16x16	1/2	2.94	75	2.52	64	15/16	1.65	42	
1J1HY-10-10	1x14	5/8	3.42	87	2.76	70	1-1/8	2.03	52	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings.

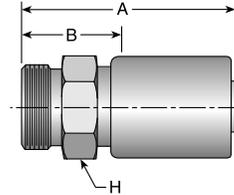
1D0HY

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
1D0HY-15-6	15	M22x1.5	3/8	2.52	64	1.16	29

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



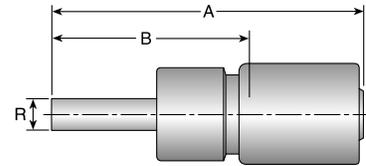
13DHY

Male Standpipe Metric S - Rigid

End Connection per ISO 8434-1-SDS

# Part Number	R mm	Hose I.D. inch	A		B	
			inch	mm	inch	mm
13DHY-16-8	16	1/2	3.53	90	2.16	55
13DHY-30-16	30	1	4.15	105	2.53	64

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



1D9HY

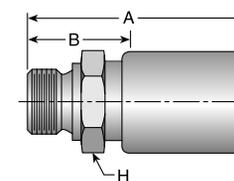
Male BSP Parallel Pipe - Rigid - (60° Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
1D9HY-8-8	1/2x14	1/2	2.83	72	1-1/16	1.47	37

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



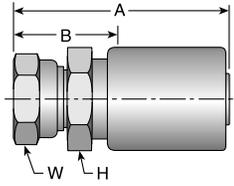
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Metric L: Mates with EO "L" Series Fittings.
Metric S: Mates with EO "S" Series Fittings.

1GUHY

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

ISO 228-1



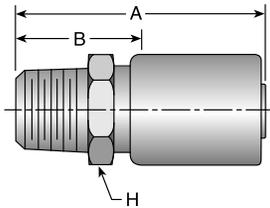
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# Part Number	Thread inch	Hose I.D. inch	A		H		W		B	
			inch	mm	inch	inch	inch	mm		
1GUHY-4-4	1/4x19	1/4	2.62	67	9/16	11/16	1.28	33		
1GUHY-6-4	3/8x19	1/4	2.69	68	3/4	7/8	1.34	34		
1GUHY-6-6	3/8x19	3/8	2.70	69	3/4	7/8	1.34	34		
1GUHY-8-6	1/2x14	3/8	2.84	72	7/8	1	1.50	38		
1GUHY-8-8	1/2x14	1/2	3.02	77	7/8	1	1.66	42		
1GUHY-12-12	3/4x14	3/4	3.25	83	1-1/4	1-1/4	1.69	43		
1GUHY-16-16	1x11	1	3.45	88	1-3/8	1-1/2	1.84	47		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1UTHY

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

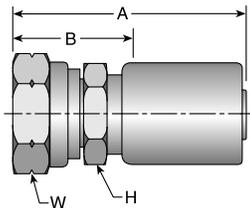


# Part Number	Thread inch	Hose I.D. inch	A		H	B	
			inch	mm	inch	inch	mm
1UTHY-2-4	1/8x28	1/4	2.34	59	9/16	1.00	25

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1XUHY

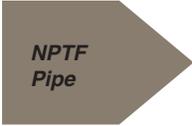
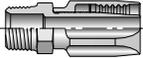
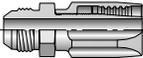
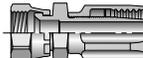
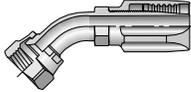
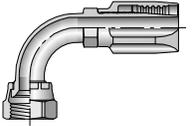
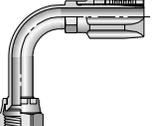
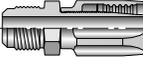
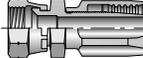
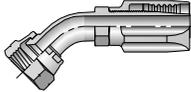
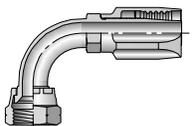
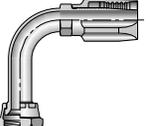
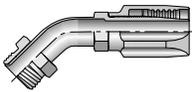
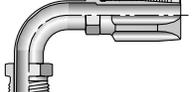
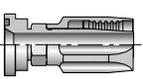
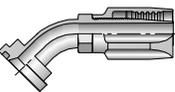
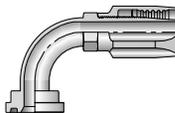
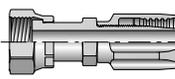
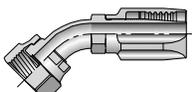
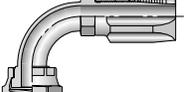
Female Metric Swivel - (30° Flare)



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# Part Number	Thread mm		Hose I.D. inch	A		H	W	B	
				inch	mm	mm	mm	inch	mm
1XUHY-10-10	24	M24x1.5	5/8	3.22	82	30	30	1.84	47
1XUHY-12-12	30	M30x1.5	3/4	3.31	84	32	38	1.75	44
1XUHY-16-16	33	M33x1.5	1	3.62	92	36	41	2.00	51

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

	20120 B-146  Male - Rigid		20320 B-146  Male - Rigid	20620 B-147  Female - Swivel	23720 B-147  Female - Swivel 45° Elbow - Short
23920 B-148  Female - Swivel 90° Elbow - Short	24120 B-148  Female - Swivel 90° Elbow - Long		20420 B-148  Male - Rigid	20820 B-149  Female - Swivel	27720 B-149  Female - Swivel 45° Elbow
27920 B-149  Female - Swivel 90° Elbow	28120 B-150  Female - Swivel 90° Elbow - Long		21120 B-150  Male - Rigid		22820 B-150  Male - Swivel
26720 B-150  Male - Swivel 45° Elbow	26920 B-151  Male - Swivel 90° Elbow		23220 B-151  Female - Swivel		26120 B-151  Male (without Nut or Sleeve)
	21520 B-151  Flange	21720 B-152  45° Elbow	21920 B-152  90° Elbow		2JS20 B-152  Female - Swivel Long
2J720 B-152  Female - Swivel 45° Elbow	2J920 B-153  Female - Swivel 90° Elbow - Short	2J120 B-153  Female - Swivel 90° Elbow - Long		20 Series B-154 Assembly Instructions	

A

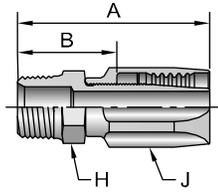
B

C

D

E

20120 Male NPTF Pipe - Rigid

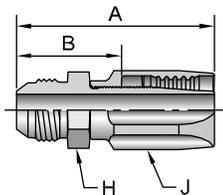


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# Part Number	Thread inch	Hose I.D. inch	A		H		J		B		Additional Material Brass (B)
			inch	mm	inch	inch	inch	mm			
20120-2-4	1/8x27	3/16	1.72	44	7/16	5/8	0.94	24			
20120-2-5	1/8x27	1/4	1.82	46	1/2	11/16	0.99	25			
20120-4-4	1/4x18	3/16	1.93	49	9/16	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		•	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

20320 Male JIC 37° - Rigid



view on web page

# Part Number	Thread inch		Hose I.D. inch	A		H		J		B	
	inch	mm		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		
20320-6-6	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		

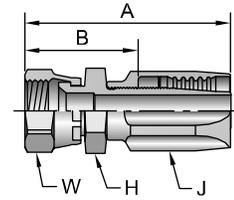
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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		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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



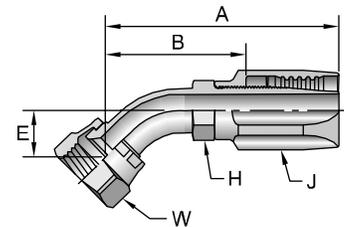
view on web page

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		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	2.36	60	0.39	10	1/2	11/16	5/8	1.55	39
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	3.35	85	0.63	16	7/8	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

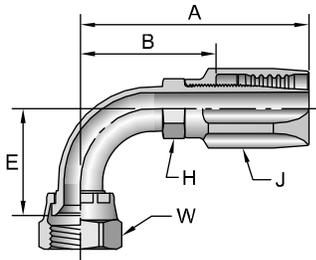
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



view on web page

23920

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



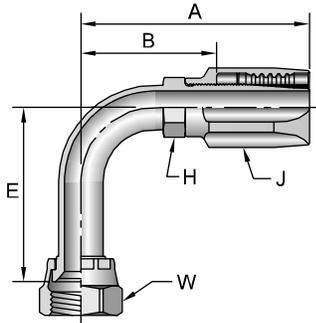
view on web page

# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch			inch	mm	inch	mm				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	2.28	58	0.83	21	1/2	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	1.26	32	7/8	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

24120

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



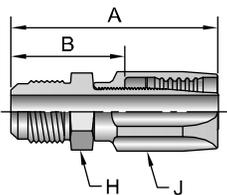
view on web page

# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch			inch	mm	inch	mm				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	3.27	83	2.76	70	7/8	1-1/8	1	2.05	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

20420

Male SAE 45° - Rigid



view on web page

# Part Number	Thread		Hose I.D. inch	A		H inch	J inch	B	
	inch			inch	mm			inch	mm
20420-4-4	1/4	7/16x20	3/16	1.80	46	1/2	5/8	1.02	26
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

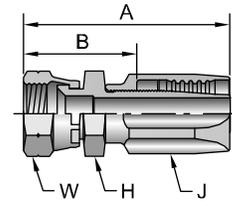
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

20820

Female SAE 45° - Swivel

# Part Number	Thread		Hose I.D. inch	A		H inch	J inch	W inch	B	
	inch	inch		inch	mm				inch	mm
20820-4-4	1/4	7/16x20	3/16	1.94	49	9/16	5/8	9/16	1.16	29
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

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



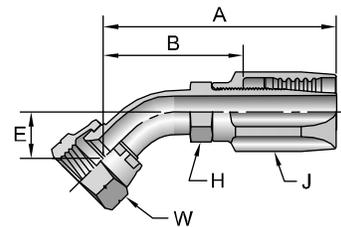
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27720

Female SAE 45° - Swivel - 45° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch	inch		inch	mm	inch	mm				inch	mm
27720-6-6	3/8	5/8X18	5/16	2.45	62	0.39	10	1/2	13/16	3/4	1.53	39

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



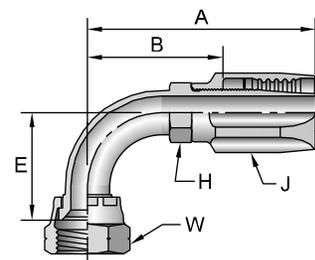
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27920

Female SAE 45° - Swivel - 90° Elbow

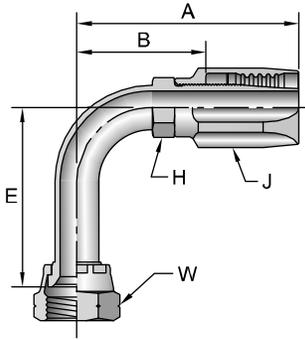
# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch	inch		inch	mm	inch	mm				inch	mm
27920-4-4	1/4	7/16x20	3/16	1.91	49	0.83	21	3/8	5/8	9/16	1.13	29
27920-6-6	3/8	5/8x18	5/16	2.33	59	0.85	22	1/2	13/16	3/4	1.41	36
27920-8-8	1/2	3/4x16	13/32	2.86	73	1.09	28	5/8	15/16	7/8	1.77	45
27920-10-10	5/8	7/8x14	1/2	3.20	81	1.24	31	3/4	1-1/8	1	1.98	50

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



view on web page

Notch in nut signifies 45° flare.



view on web page

28120

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

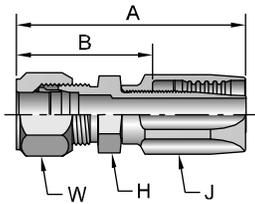
# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch	5/8x18		inch	mm	inch	mm				inch	mm
28120-6-6	3/8	5/8x18	5/16	2.34	59	2.18	55	1/2	13/16	3/4	1.42	36

Notch in nut signifies 45° flare.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

21120

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



view on web page

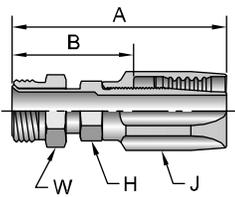
# Part Number	Thread		Hose I.D. inch	A		H inch	J inch	W inch	B	
	inch	3/4x16		inch	mm				inch	mm
21120-8-8	1/2	3/4x16	13/32	2.52	64	13/16	15/16	7/8	1.43	36

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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

22820

Male Inverted SAE 45° - Swivel



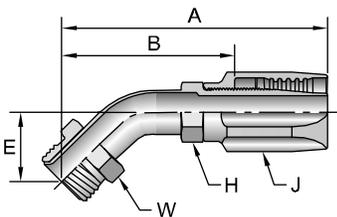
view on web page

# Part Number	Thread		Hose I.D. inch	A		H inch	J inch	W inch	B	
	inch	7/16x24		inch	mm				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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

26720

Male Inverted SAE 45° - Swivel - 45° Elbow



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# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch	7/16x24		inch	mm	inch	mm				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

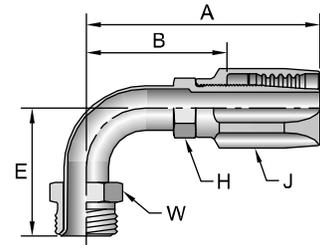
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

26920

Male Inverted SAE 45° - Swivel - 90° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch	inch		inch	mm	inch	mm				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
26920-6-6	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



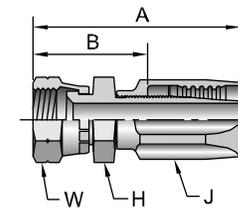
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23220

Female PTT 30° - Swivel

# Part Number	Thread		Hose I.D. inch	A		H inch	J inch	W inch	B	
	inch	inch		inch	mm				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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



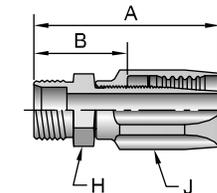
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26120

Male SAE Compression Seat (without Nut or Sleeve)

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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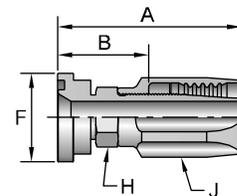
21520

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

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

See Accessories Section for O-Rings and Flange Kits.

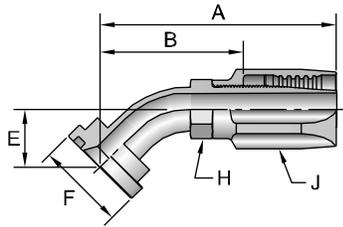
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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21720 SAE Code 61 Flange Head - 45° Elbow

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



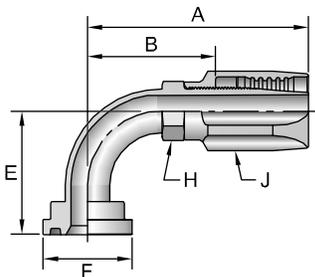
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#			A		E					B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
21720-20-20	1-1/4	1-1/8	4.10	104	1.12	28	2	1-1/2	1-3/4	2.82	72

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

21920 SAE Code 61 Flange Head - 90° Elbow

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



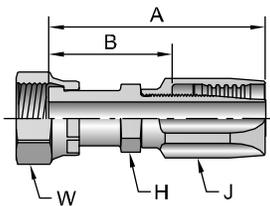
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#			A		E					B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
21920-32-32	2	1-13/16	5.44	138	3.19	81	2-13/16	2-1/4	2-1/2	3.70	94
21920-40-40	2-1/2	2-3/8	6.18	157	3.75	95	3-5/16	2-3/4	3-1/8	4.37	111

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

2JS20 Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB



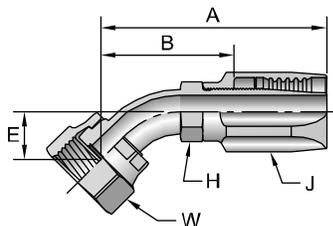
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#			A					B		
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	inch	inch	inch	mm	
2JS20-4-4	1/4	9/16x18	3/16	2.07	53	9/16	5/8	11/16	1.29	33
2JS20-6-6	3/8	11/16x16	5/16	2.36	60	1/2	13/16	13/16	1.44	37
2JS20-8-8	1/2	13/16x16	13/32	2.92	74	5/8	15/16	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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

ISO 12151-1 - SWE45



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#			A		E					B		
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	inch	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

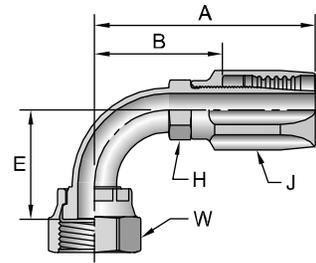
See Accessories Section for O-Rings and Flange Kits.

2J920

Female Seal-Lok® - Swivel 90° Elbow - Short Drop ISO 12151-1 - SWE90

# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch	9/16x18		inch	inch	mm	inch				mm	inch
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	3.20	81	1.26	32	15/16	1-1/8	1-1/8	1.98	20
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



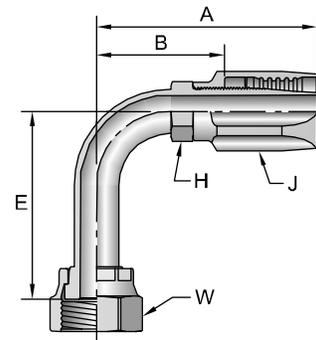
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2J120

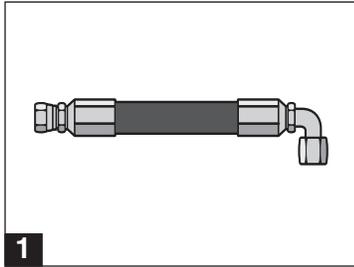
Female Seal-Lok® - Swivel - 90° Elbow - Long Drop ISO 12151-1 - SWEL90

# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch	11/16x16		inch	inch	mm	inch				mm	inch
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	2.93	74	2.52	64	3/4	15/16	15/16	1.88	48

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

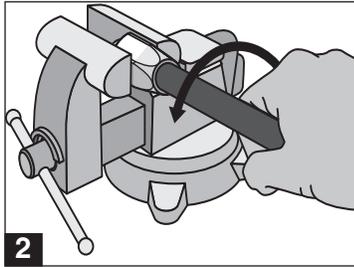


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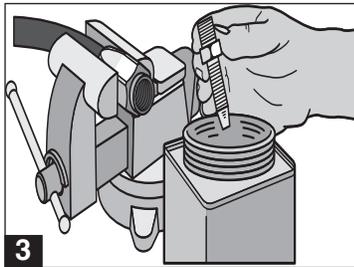


20 Series Hose Assembly Instructions

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.



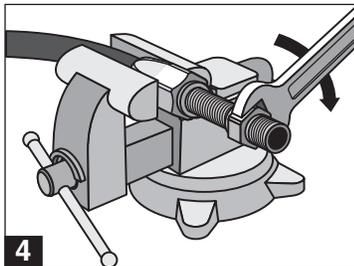
2. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out 1/2 turn.



3. Oil inside of hose and nipple threads liberally with Hose-Oil. (See Section C). Do not oil hose cover.

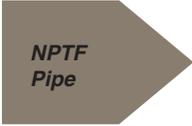
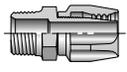
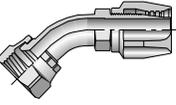
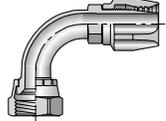
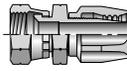
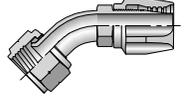
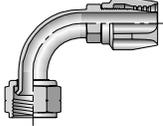
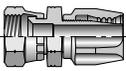
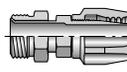
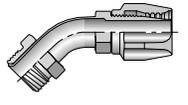
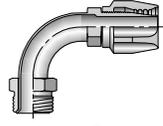
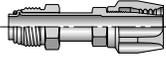
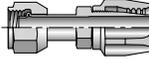
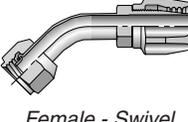
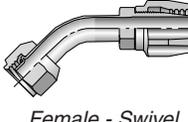
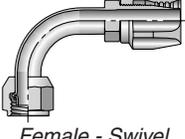
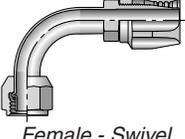
4. Screw nipple assembly into socket using a wrench on the nipple hex until the nipple hex shoulders against the socket. A 1/32" to 1/16" gap between the nipple hex and socket is allowed for displacement angle adjustment when two elbow fittings are used.

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.

 <p>NPTF Pipe</p>	<p>20121 B-156</p>  <p><i>Male - Rigid</i></p>	 <p>JIC 37°</p>	<p>20621 B-156</p>  <p><i>Female - Swivel</i></p>	<p>23721 B-156</p>  <p><i>Female - Swivel 45° Elbow - Short</i></p>	<p>23921 B-157</p>  <p><i>Female - Swivel 90° Elbow - Short</i></p>
 <p>SAE 45°</p>	<p>20821 B-157</p>  <p><i>Female - Swivel</i></p>	<p>27721 B-157</p>  <p><i>Female - Swivel 45° Elbow</i></p>	<p>27921 B-158</p>  <p><i>Female - Swivel 90° Elbow</i></p>	 <p>PTT 30°</p>	<p>23221 B-158</p>  <p><i>Female - Swivel</i></p>
 <p>Inverted Flare</p>	<p>22821 B-158</p>  <p><i>Male - Swivel</i></p>	<p>26721 B-159</p>  <p><i>Male - Swivel 45° Elbow</i></p>	<p>26921 B-159</p>  <p><i>Male - Swivel 90° Elbow</i></p>	 <p>Tube-O</p>	<p>2S521 B-159</p>  <p><i>Male - Swivel Short</i></p>
<p>25M21 B-160</p>  <p><i>Male - Swivel 90° Elbow - Long</i></p>	<p>25S21 B-160</p>  <p><i>Female - Swivel Short</i></p>	<p>25H21 B-160</p>  <p><i>Female - Swivel 45° Elbow - Short</i></p>	<p>25N21 B-161</p>  <p><i>Female - Swivel 45° Elbow - Long</i></p>	<p>25T21 B-161</p>  <p><i>Female - Swivel 90° Elbow - Short</i></p>	<p>25L21 B-161</p>  <p><i>Female - Swivel 90° Elbow - Long</i></p>
 <p>Assembly Instructions</p>	<p>21 Series B-162</p> <p><i>Assembly Instructions</i></p>				

A

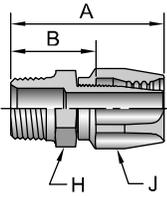
B

C

D

E

20121 Male NPTF Pipe - Rigid

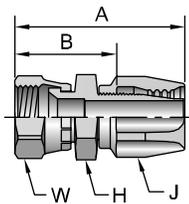


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# Part Number	Thread inch	Hose I.D. inch	A		H	J	B	
			inch	mm	inch	inch	inch	mm
20121-2-4	1/8x27	3/16	1.55	39	7/16	9/16	0.88	22
20121-4-4	1/4x18	3/16	1.77	45	9/16	9/16	1.10	28
20121-4-5	1/4x18	1/4	1.79	45	9/16	5/8	1.05	27
20121-4-6	1/4x18	5/16	1.92	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

20621 Female JIC 37° - Swivel

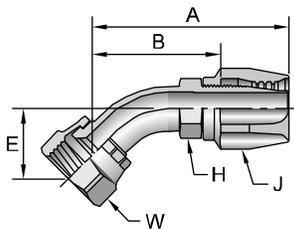


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# Part Number	Thread inch	Hose I.D. inch	A		H	J	W	B		
			inch	mm	inch	inch	inch	inch	mm	
20621-4-4	1/4	7/16x20	3/16	1.83	46	9/16	9/16	9/16	1.16	29
20621-5-5	5/16	1/2x20	1/4	1.92	49	5/8	5/8	5/8	1.18	30
20621-6-6	3/8	9/16x18	5/16	2.09	53	11/16	3/4	11/16	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

23721 Female JIC 37° - Swivel - 45° Elbow - Short Drop



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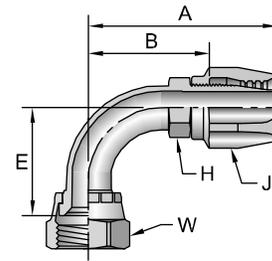
# Part Number	Thread inch	Hose I.D. inch	A		E		H	J	W	B		
			inch	mm	inch	mm	inch	inch	inch	inch	mm	
23721-4-4	1/4	7/16x20	3/16	2.11	54	0.39	10	3/8	9/16	9/16	1.43	36
23721-6-6	3/8	9/16x18	5/16	2.26	57	0.40	10	1/2	3/4	11/16	1.48	38
23721-8-8	1/2	3/4x16	13/32	2.79	71	0.59	15	11/16	7/8	7/8	1.87	47
23721-10-10	5/8	7/8x14	1/2	2.97	75	0.63	16	7/8	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

23921

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

# Part Number	Thread		Hose I.D. inch	A		E		H	J	W	B	
	inch	mm		inch	mm	inch	mm	inch	inch	inch	inch	mm
23921-4-4	1/4	7/16x20	3/16	1.88	48	0.83	21	3/8	9/16	9/16	1.20	30
23921-5-5	5/16	1/2x20	1/4	2.07	53	0.83	21	1/2	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	3/4x16	13/32	2.49	63	1.14	29	11/16	7/8	7/8	1.57	40
23921-10-10	5/8	7/8x14	1/2	2.78	71	1.26	32	7/8	1-1/16	1	1.78	45
23921-12-12	3/4	1-1/16x12	5/8	2.88	73	1.89	48	7/8	1-1/4	1-1/4	1.80	46
23921-16-16	1	1-5/16x12	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	1-5/8x12	1-1/8	3.64	92	2.59	66	1-3/8	1-3/4	2	2.60	66



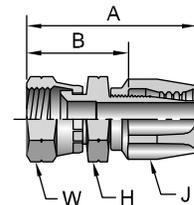
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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

20821

Female SAE 45° - Swivel

# Part Number	Thread		Hose I.D. inch	A		H	J	W	B	
	inch	mm		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



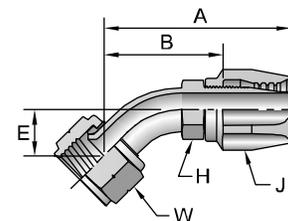
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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

27721

Female SAE 45° - Swivel - 45° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		H	J	W	B	
	inch	mm		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

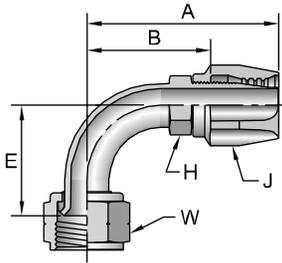


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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Notch in nut signifies 45° flare.

27921 Female SAE 45° - Swivel - 90° Elbow



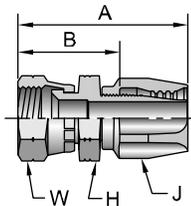
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# Part Number	Thread inch	Hose I.D. inch	A		E		H	J	W	B	
			inch	mm	inch	mm	inch	inch	inch	inch	mm
27921-6-6	3/8 5/8x18	5/16	2.15	55	0.85	22	1/2	3/4	3/4	1.37	35

Notch in nut signifies 45° flare.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

23221 Female PTT 30° - Swivel

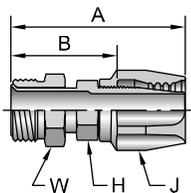


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# Part Number	Thread inch	Hose I.D. inch	A		H	J	W	B	
			inch	mm	inch	inch	inch	inch	mm
23221-16-16	1 1-5/16x14	7/8	2.70	69	1-1/2	1-7/16	1-1/2	1.71	43

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

22821 Male Inverted SAE 45° - Swivel



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# Part Number	Thread inch		Hose I.D. inch	A		H	J	W	B	
				inch	mm	inch	inch	inch	inch	mm
22821-4-4	1/4	7/16x24	3/16	2.36	60	3/8	9/16	7/16	1.68	43
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

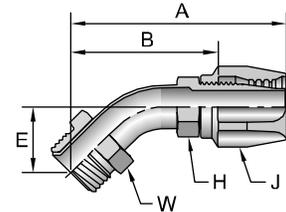
Notch in nut signifies 45° flare.

26721

Male Inverted SAE 45° - Swivel - 45° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		H	J	W	B	
	inch	5/8x18		inch	inch	mm	inch	mm	inch	inch	inch	inch
26721-6-6	3/8	5/8x18	5/16	2.73	69	0.94	24	1/2	3/4	5/8	1.95	50

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



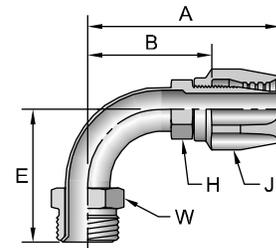
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26921

Male Inverted SAE 45° - Swivel - 90° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		H	J	W	B	
	inch	1/2x20		inch	inch	mm	inch	mm	inch	inch	inch	inch
26921-5-5	5/16	1/2x20	1/4	2.25	57	1.65	42	7/16	5/8	1/2	1.51	38
26921-6-6	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



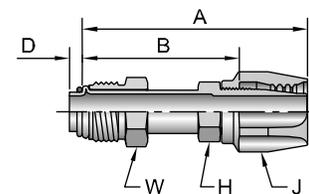
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2S521

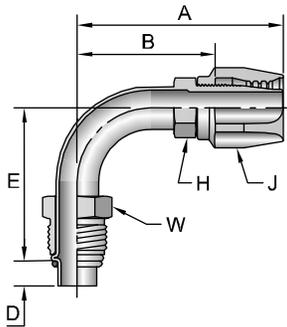
Male Tube-O - Swivel - Short Pilot

# Part Number	Thread		Hose I.D. inch	A		D		H	J	W	B	
	inch	5/8x18		inch	inch	mm	inch	mm	inch	inch	inch	inch
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



A



25M21

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

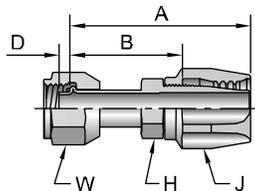
# Part Number	Thread inch	Hose I.D. inch	A inch mm		D inch mm		E inch mm		H inch	J inch	W inch	B inch mm	
25M21-8-8	1/2 3/4x18	13/32	2.49	63	0.38	9,8	2.12	54	5/8	7/8	3/4	1.57	40
25M21-10-10	5/8 7/8x18	1/2	3.27	83	0.38	9,8	1.95	50	3/4	1-1/16	7/8	2.27	58

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

B

25S21

Female Tube-O - Swivel - Short Pilot



# Part Number	Thread inch	Hose I.D. inch	A inch mm		D inch mm		H inch	J inch	W inch	B 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

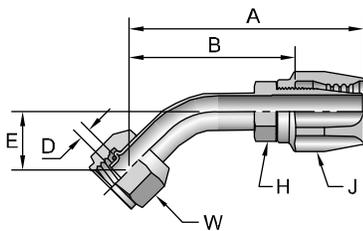
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

C

D

25H21

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



# Part Number	Thread inch	Hose I.D. inch	A inch mm		D inch mm		E inch mm		H inch	J inch	W inch	B inch mm	
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

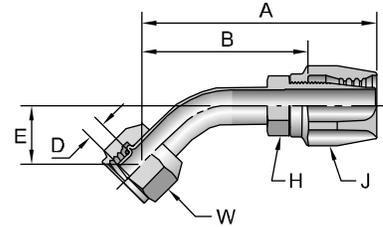
E

25N21

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

# Part Number	Thread inch	Hose I.D. inch	A		D		E		H	J	W	B	
			inch	mm	inch	mm	inch	mm	inch	inch	inch	inch	mm
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

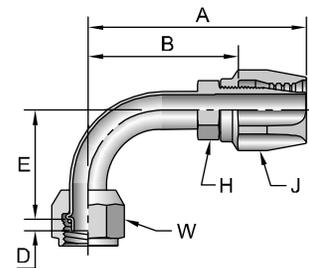


25T21

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

# Part Number	Thread inch	Hose I.D. inch	A		D		E		H	J	W	B	
			inch	mm	inch	mm	inch	mm	inch	inch	inch	inch	mm
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

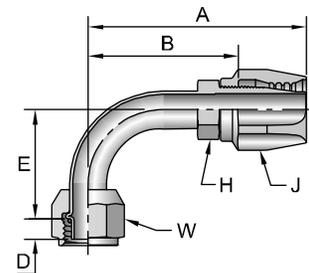


25L21

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

# Part Number	Thread inch	Hose I.D. inch	A		D		E		H	J	W	B	
			inch	mm	inch	mm	inch	mm	inch	inch	inch	inch	mm
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



21 Series

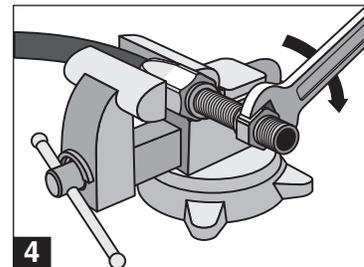
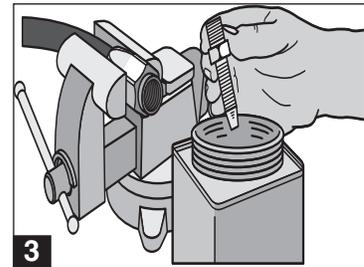
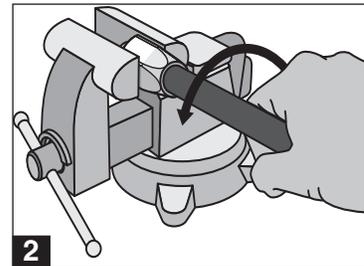
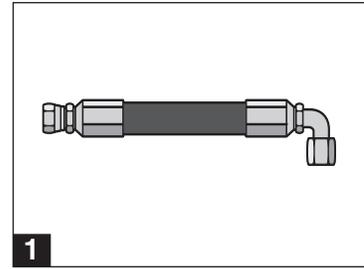
Hose Assembly Instructions

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 Hose-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.



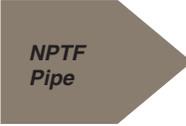
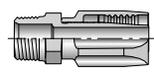
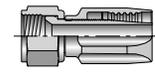
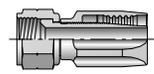
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E

 <p>NPTF Pipe</p>	<p>20122 B-164</p>  <p><i>Male - Rigid</i></p>	 <p>JIC 37°</p>	<p>20622 B-164</p>  <p><i>Female - Swivel</i></p>	 <p>SAE 45°</p>	<p>20822 B-164</p>  <p><i>Female - Swivel</i></p>
 <p>Assembly Instructions</p>	<p>22 Series B-165</p> <p><i>Assembly Instructions</i></p>				

A

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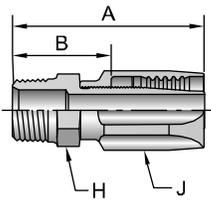
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20122

Male NPTF Pipe - Rigid



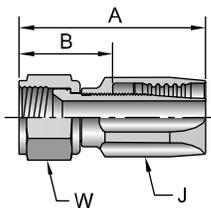
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# Part Number	Thread inch	Hose I.D. inch	A		H inch	J inch	B		Additional Material Brass (B)
			inch	mm			inch	mm	
20122-4-6	1/4x18	5/16	2.11	54	9/16	13/16	1.19	30	•

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

20622

Female JIC 37° - Swivel



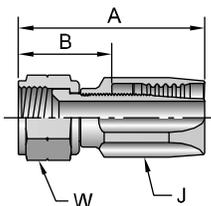
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# Part Number	Thread inch		Hose I.D. inch	A		J inch	W inch	B		Additional Material Brass (B)
	inch	mm		inch	mm			inch	mm	
20622-4-4	1/4	7/16x20	3/16	1.74	44	5/8	9/16	0.96	24	•
20622-6-6	3/8	9/16x18	5/16	2.05	52	13/16	11/16	1.13	29	•
20622-8-8	1/2	3/4x16	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	•

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

20822

Female SAE 45° - Swivel



view on web page

# Part Number	Thread inch		Hose I.D. inch	A		J inch	W inch	B		Additional Material Brass (B)
	inch	mm		inch	mm			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	•

Notch in nut for SAE (45°) flare.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

22 Series

Mandrel Assembly Instructions

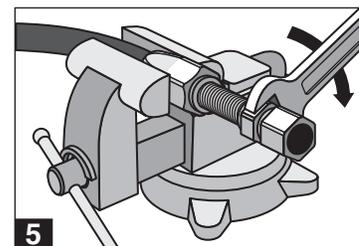
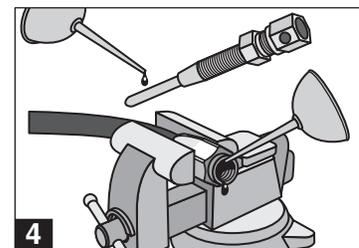
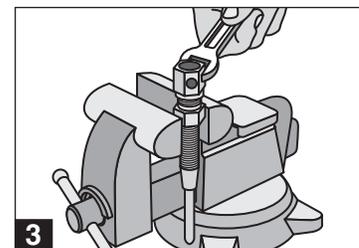
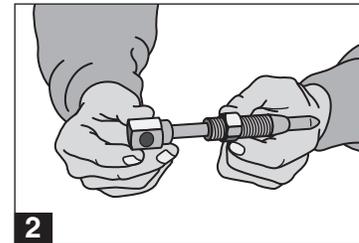
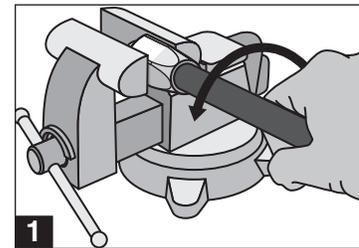
1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Care should be taken to ensure a square, clean cut 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 $\frac{1}{2}$ 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 Hose-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 $\frac{1}{32}$ " (.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.



A

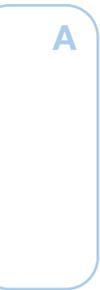
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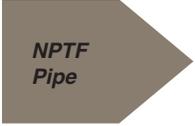
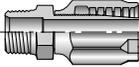
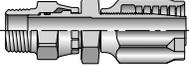
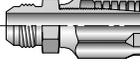
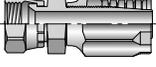
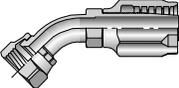
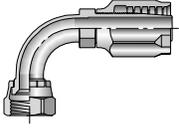
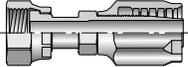
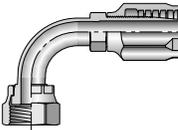
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Notes



 <p>NPTF Pipe</p>	<p>20130 B-168</p>  <p><i>Male - Rigid</i></p>	<p>21330 B-168</p>  <p><i>Male - Swivel</i></p>	 <p>JIC 37°</p>	<p>20330 B-169</p>  <p><i>Male - Rigid</i></p>	<p>20630 B-169</p>  <p><i>Female - Swivel</i></p>
<p>23730 B-170</p>  <p><i>Female - Swivel 45° Elbow - Short</i></p>	<p>23930 B-170</p>  <p><i>Female - Swivel 90° Elbow - Short</i></p>	 <p>Seal-Lok® O-Ring Face Seal</p>	<p>2JS30 B-171</p>  <p><i>Female - Swivel Long</i></p>	<p>2J930 B-171</p>  <p><i>Female - Swivel 90° Elbow - Short</i></p>	 <p>Assembly Instructions</p>
<p>30 Series B-172</p> <p><i>Assembly Instructions</i></p>					

A

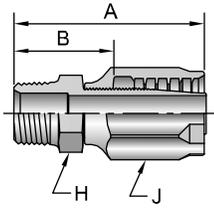
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20130 Male NPTF Pipe - Rigid

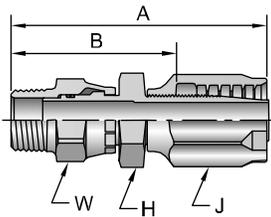


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# Part Number	Thread inch	Hose I.D. inch	A		H	J	B	
			inch	mm	inch	inch	inch	mm
20130-2-4	1/8x27	1/4	2.19	56	9/16	3/4	1.23	31
20130-4-4	1/4x18	1/4	2.38	60	9/16	3/4	1.42	36
20130-6-6	3/8x18	3/8	2.58	66	3/4	15/16	1.44	37
20130-8-8	1/2x14	1/2	3.11	79	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

21330 Male NPTF Pipe - Swivel



view on web page

# Part Number	Thread inch	Hose I.D. inch	A		H	J	W	B	
			inch	mm	inch	inch	inch	inch	mm
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

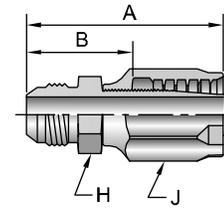
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

O-Rings are not compatible with Phosphate Ester fluids.

20330 Male JIC 37° - Rigid

# Part Number	Thread		Hose I.D. inch	A		H inch	J inch	B	
	inch	7/16x20		inch	mm			inch	mm
20330-4-4	1/4	7/16x20	1/4	2.37	60	9/16	3/4	1.41	36
20330-6-6	3/8	9/16x18	3/8	2.58	66	3/4	15/16	1.44	37
20330-8-8	1/2	3/4x16	1/2	3.02	77	7/8	1-1/16	1.68	43
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

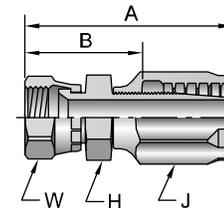


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20630 Female JIC 37° - Swivel

# Part Number	Thread		Hose I.D. inch	A		H inch	J inch	W inch	B		Additional Material Stainless Steel (C)
	inch	7/16x20		inch	mm				inch	mm	
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	•
20630-8-8	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	
20630-16-16	1	1-5/16x12	1	3.94	100	1-1/2	1-3/4	1-1/2	2.23	57	
20630-20-20	1-1/4	1-5/8x12	1-1/4	4.96	126	2	2-1/4	2	2.83	72	

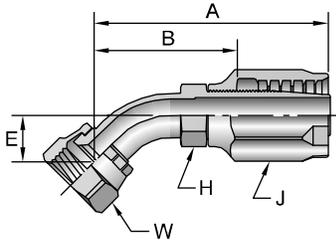
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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23730

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



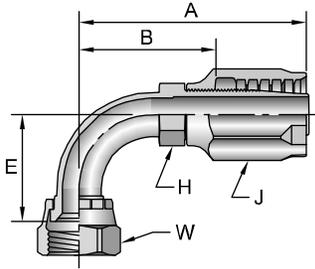
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# Part Number	Thread		Hose I.D.		A		E		H	J	W	B	
	inch		inch	mm	inch	mm	inch	mm	inch	inch	inch	inch	mm
23730-12-12	3/4	1-1/16x12	3/4	3.93 100	0.79	20	15/16	1-3/8	1-1/4	2.50	64		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

23930

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



view on web page

# Part Number	Thread		Hose I.D.		A		E		H	J	W	B	
	inch		inch	mm	inch	mm	inch	mm	inch	inch	inch	inch	mm
23930-6-6	3/8	9/16x18	3/8	2.95 75	0.91	23	9/16	15/16	11/16	1.81	46		
23930-8-8	1/2	3/4x16	1/2	3.40 86	1.14	29	11/16	1-1/16	7/8	2.06	52		

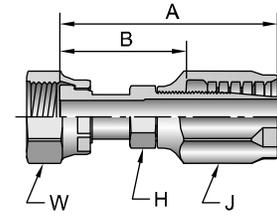
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

2JS30

Female Seal-Lok® - Swivel - Long ISO 12151-1 - SWSB

# Part Number	Thread		Hose I.D. inch	A		H	J	W	B	
	inch	inch		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



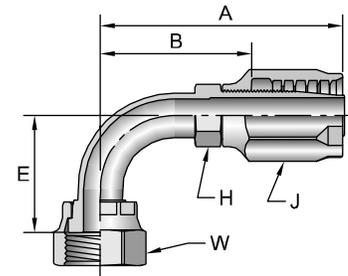
[view on web page](#)

2J930

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

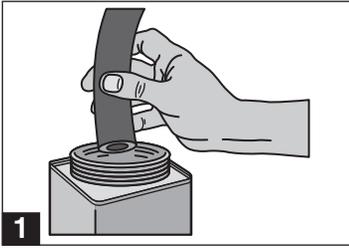
# Part Number	Thread		Hose I.D. inch	A		E		H	J	W	B	
	inch	inch		inch	mm	inch	mm	inch	inch	inch	inch	mm
2J930-4-4	1/4	9/16x18	1/4	2.83	72	0.82	21	7/16	3/4	11/16	1.87	47
2J930-8-8	1/2	13/16x16	1/2	3.40	86	1.14	29	3/4	1-1/16	15/16	2.06	52

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



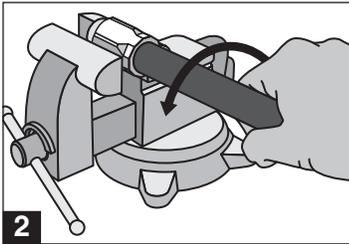
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A



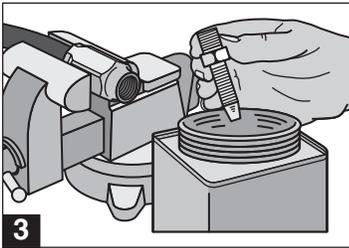
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B



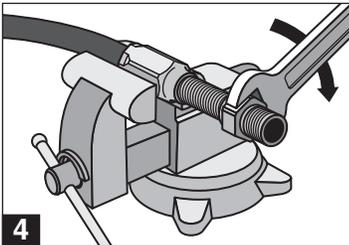
2

C



3

D



4

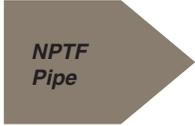
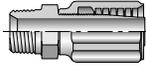
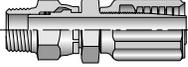
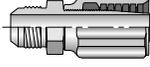
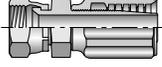
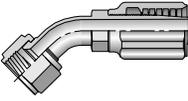
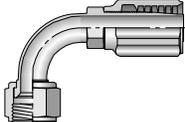
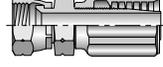
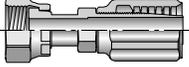
E

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 Hose-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 Hose-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.

 <p>NPTF Pipe</p>	<p>20142 B-174</p>  <p><i>Male - Rigid</i></p>	<p>21342 B-174</p>  <p><i>Male - Swivel</i></p>	 <p>JIC 37°</p>	<p>20342 B-174</p>  <p><i>Male - Rigid</i></p>	<p>20642 B-175</p>  <p><i>Female - Swivel</i></p>
<p>23742 B-175</p>  <p><i>Female - Swivel 45° Elbow - Short</i></p>	<p>23942 B-175</p>  <p><i>Female - Swivel 90° Elbow - Short</i></p>	 <p>SAE</p>	<p>20842 B-176</p>  <p><i>Female - Swivel</i></p>	 <p>Seal-Lok® O-Ring Face Seal</p>	<p>2JS42 B-176</p>  <p><i>Female - Swivel Long</i></p>
 <p>Assembly Instructions</p>	<p>42 Series B-177</p> <p><i>Assembly Instructions</i></p>				

A

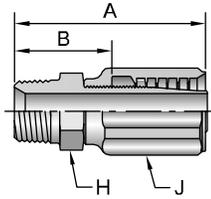
B

C

D

E

20142 Male NPTF Pipe - Rigid

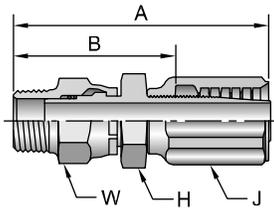


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# Part Number	Thread inch	Hose I.D. inch	A		H	J	B	
			inch	mm	inch	inch	inch	mm
20142-2-4	1/8x27	1/4	2.17	55	9/16	11/16	1.25	32
20142-4-4	1/4x18	1/4	2.36	60	9/16	11/16	1.44	37
20142-4-5	1/4x18	5/16	2.39	61	9/16	13/16	1.44	37
20142-4-6	1/4x18	3/8	2.60	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
20142-12-12	3/4x14	3/4	3.23	82	1-1/8	1-3/8	1.75	44

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

21342 Male NPTF Pipe - Swivel

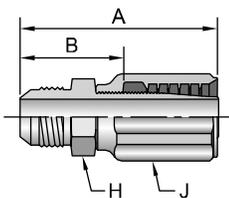


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# Part Number	Thread inch	Hose I.D. inch	A		H	J	W	B	
			inch	mm	inch	inch	inch	inch	mm
21342-4-4	1/4x18	1/4	3.40	86	9/16	11/16	5/8	2.48	63
21342-6-6	3/8x18	3/8	3.69	94	7/8	7/8	3/4	2.54	65

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

20342 Male JIC 37° - Rigid



view on web page

# Part Number	Thread inch		Hose I.D. inch	A		H	J	B	
	inch	mm		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
20342-6-6	3/8	9/16x18	3/8	2.60	66	3/4	7/8	1.45	37
20342-8-8	1/2	3/4x16	1/2	2.93	74	7/8	1	1.60	41

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

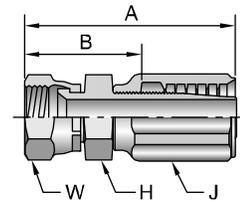
O-Rings are not compatible with Phosphate Ester fluids.

20642

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		inch	mm				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	
20642-6-4	3/8	9/16x18	1/4	2.52	64	11/16	11/16	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	•
20642-10-10	5/8	7/8x14	5/8	3.49	89	1	1-1/8	1	2.07	53	
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	
20642-16-16	1	1-5/16x12	1	3.81	97	1-1/2	1-5/8	1-1/2	2.27	58	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



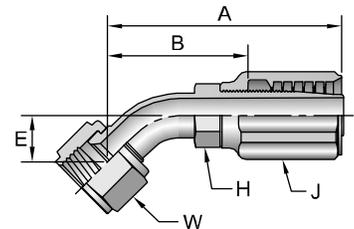
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23742

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		inch	mm	inch	mm				inch	mm
23742-6-6	3/8	9/16x18	3/8	3.03	77	0.39	10	9/16	7/8	11/16	1.88	48

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



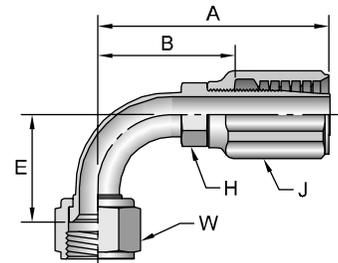
view on web page

23942

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

# Part Number	Thread		Hose I.D. inch	A		E		H inch	J inch	W inch	B	
	inch	inch		inch	mm	inch	mm				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
23942-8-8	1/2	3/4x16	1/2	3.22	82	1.09	28	11/16	1	7/8	1.90	48

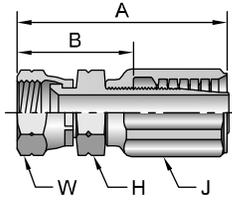
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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20842

Female SAE 45° - Swivel



view on web page

#			A					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	H inch	J inch	W inch	inch	mm
20842-6-6	3/8 5/8x18	3/8	2.82	72	3/4	7/8	3/4	1.67	42

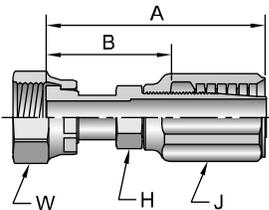
Notch on nut signifies SAE 45° flare.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

2JS42

Female Seal-Lok® - Swivel - Long

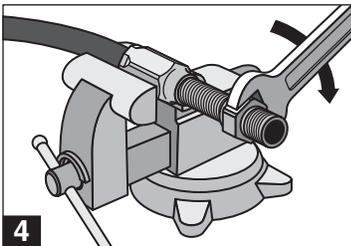
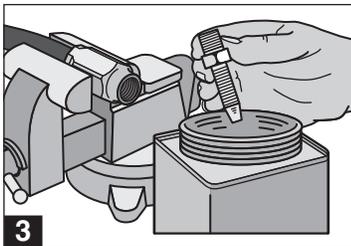
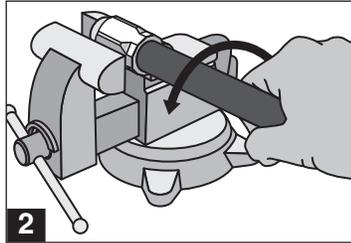
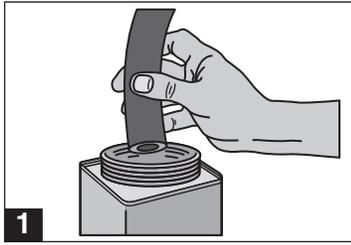
ISO - 12151-1 - SWSB



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#			A					B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	H inch	J inch	W inch	inch	mm
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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 Hose-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 Hose-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.

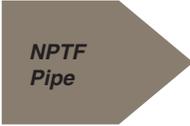
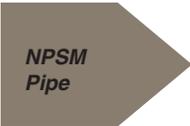
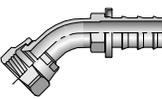
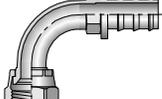
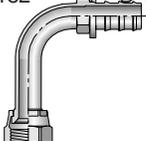
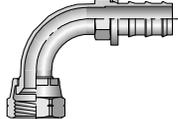
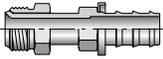
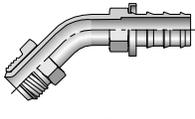
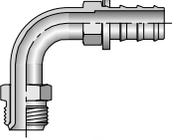
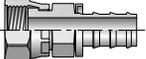
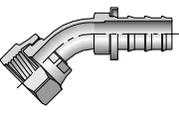
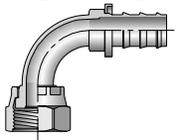
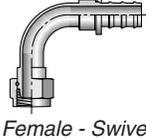
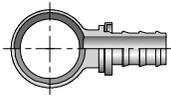
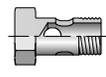
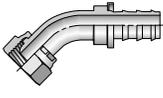
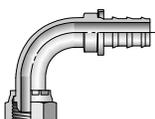
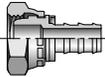
A

B

C

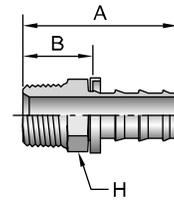
D

E

A		30182 B-179  Male - Rigid	31382 B-179  Male - Swivel	30282 B-180  Female - Rigid		37G82 B-180  Female - Swivel Gasket Joint
		30382 B-180  Male - Rigid	30682 B-181  Female - Swivel	33782 B-181  Female - Swivel 45° Elbow - Short	33982 B-182  Female - Swivel 90° Elbow - Short	34182 B-182  Female - Swivel 90° Elbow - Long
B		30482 B-182  Male - Rigid	30882 B-183  Female - Swivel	37782 B-183  Female - Swivel 45° Elbow	37982 B-183  Female - Swivel 90° Elbow	
	32882 B-184  Male - Swivel	36782 B-184  Male - Swivel 45° Elbow	36982 B-184  Male - Swivel 90° Elbow	32982 B-185  Female - Rigid		3JC82 B-185  Female - Swivel Short
C	3J782 B-186  Female - Swivel 45° Elbow	3J982 B-186  Female - Swivel 90° Elbow - Short		38282 B-187  Push-Lok Union		3D082 B-187  Male - Rigid
	31D82 B-187  Male Standpipe Rigid		39282 B-188  Female - Swivel	3D982 B-188  Male - Rigid	3B282 B-188  Female - Swivel 90° Elbow	
D	34982 B-189  Metric - Banjo	AM B-189  Banjo Bolt		3CA82 B-190  Swivel - 24° Cone	3CF82 B-190  Swivel - 90° Elbow - 24° Cone	3C482 B-190  Swivel - 45° Elbow - Ball Nose
	3C582 B-191  Swivel - 90° Elbow - Ball Nose	3C382 B-191  Swivel - Ball Nose	82 Series B-192 Assembly Instructions			
E						

30182 Male NPTF Pipe - Rigid

# Part Number	Thread inch	Hose I.D. inch	A		H	B		Additional Material	
			inch	mm	inch	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	•	•
30182-8-8	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	•	•
30182-12-10	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	•	•

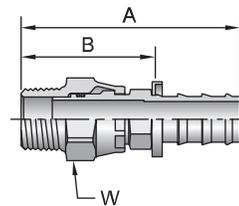


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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

31382 Male NPTF Pipe - Swivel

# Part Number	Thread inch	Hose I.D. inch	A		W	B		Additional Material Brass (B)
			inch	mm	inch	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	

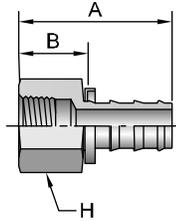


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O-Ring not compatible with Phosphate Ester fluids.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

30282 Female NPTF Pipe - Rigid

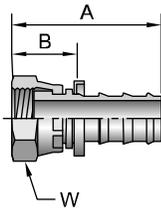


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# Part Number	Thread inch	Hose I.D. inch	A		H inch	B		Additional Material Brass (B)
			inch	mm		inch	mm	
30282-4-4	1/4x18	1/4	1.56	40	3/4	0.81	21	•
30282-6-6	3/8x18	3/8	1.82	46	7/8	0.92	23	•

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

37G82 Female NPSM Pipe - Gasket Joint - Swivel



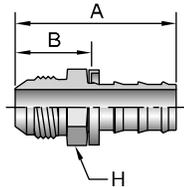
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# Part Number	Gasket	Thread inch	Hose I.D. inch	A		W inch	B	
				inch	mm		inch	mm
37G82-4-4	07G-4	1/4x18	1/4	1.55	39	11/16	0.80	20
37G82-4-6	07G-4	1/4x18	3/8	1.70	43	11/16	0.80	20
37G82-6-6	07G-6	3/8x18	3/8	1.75	44	7/8	0.85	22
37G82-8-8	07G-8	1/2x14	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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

30382 Male JIC 37° - Rigid



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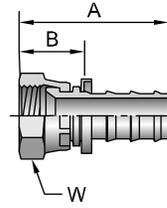
# Part Number	Thread inch	Hose I.D. inch	A		H inch	B		Additional Material Brass (B)
			inch	mm		inch	mm	
30382-4-4	1/4	7/16x20	1/4	1.56	40	1/2	0.81	21
30382-6-6	3/8	9/16x18	3/8	1.78	45	5/8	0.88	22
30382-8-8	1/2	3/4x16	1/2	2.06	52	3/4	1.01	26
30382-12-12	3/4	1-1/16x12	3/4	2.72	69	1-1/8	1.27	32

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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	•	•
30682-6-6	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	•	•
30682-10-10	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	•	•



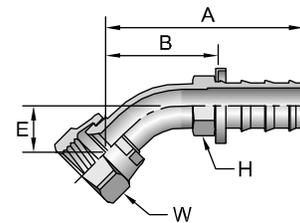
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WARNING: For Carbon Steel Fittings Only: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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

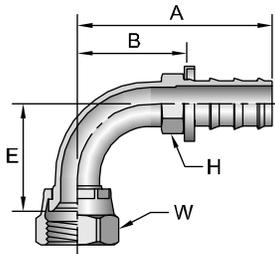


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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

33982

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



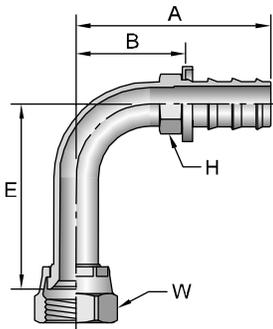
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# Part Number	Thread		Hose I.D. inch	A		E		H inch	W inch	B	
	inch			inch	mm	inch	mm			inch	mm
33982-4-4	1/4	7/16x20	1/4	1.55	39	0.83	21	---	9/16	0.80	20
33982-6-6	3/8	9/16x18	3/8	1.86	47	0.91	23	---	11/16	0.95	24
33982-8-8	1/2	3/4x16	1/2	2.16	55	1.14	29	5/8	7/8	1.28	32
33982-10-10	5/8	7/8x14	5/8	2.76	70	1.26	32	3/4	1	1.31	33
33982-12-12	3/4	1-1/16x12	3/4	3.27	83	1.89	48	7/8	1-1/4	1.82	46

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

34182

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



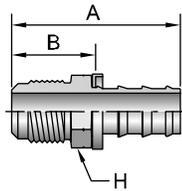
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# Part Number	Thread		Hose I.D. inch	A		E		H inch	W inch	B	
	inch			inch	mm	inch	mm			inch	mm
34182-4-4	1/4	7/16x20	1/4	1.79	45	1.80	46	7/16	9/16	1.04	26
34182-6-6	3/8	9/16x18	3/8	1.97	50	2.18	55	1/2	11/16	1.07	27

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

30482

Male SAE 45° - Rigid



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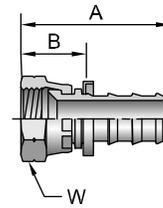
# Part Number	Thread		Hose I.D. inch	A		H inch	B	
	inch			inch	mm		inch	mm
30482-4-4B	1/4	7/16x20	1/4	1.51	38	7/16	0.76	19
30482-5-4B	5/16	1/2x20	1/4	1.61	41	9/16	0.86	22
30482-6-6B	3/8	5/8x18	3/8	1.84	47	5/8	0.94	24
30482-8-8B	1/2	3/4x16	1/2	2.15	55	3/4	1.10	28

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Notch in nut signifies 45° flare.

30882 Female SAE 45° - Swivel

# Part Number	Thread		Hose I.D. inch	A		W inch	B		Additional Material Brass (B)
	inch	7/16x20		inch	mm		inch	mm	
30882-4-4	1/4	7/16x20	1/4	1.52	39	9/16	0.77	20	•
30882-6-6	3/8	5/8x18	3/8	1.81	46	3/4	0.91	23	•
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	•

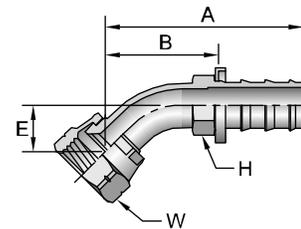


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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

37782 Female SAE 45° - Swivel - 45° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		H	W	B	
	inch	5/8x18		inch	mm	inch	mm	inch	inch	inch	mm
37782-6-6	3/8	5/8x18	3/8	2.08	53	0.39	10	1/2	3/4	1.18	30

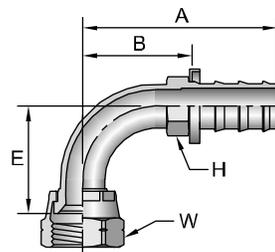


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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

37982 Female SAE 45° - Swivel - 90° Elbow

# Part Number	Thread		Hose I.D. inch	A		E		H	W	B	
	inch	7/16x20		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

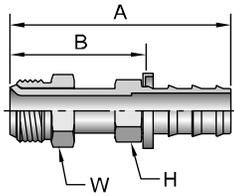


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WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Notch in nut signifies 45° flare.

32882 Male Inverted SAE 45° - Swivel

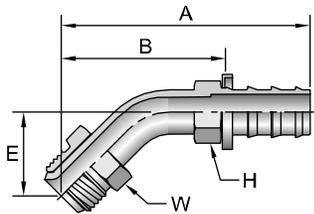


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# Part Number	Thread		Hose I.D. inch	A		H		W		B	
	inch	inch		inch	mm	inch	inch	inch	inch	inch	mm
32882-3-4	3/16	3/8x24	1/4	2.15	55	3/8	3/8	1.40	36		
32882-4-4	1/4	7/16x24	1/4	2.15	55	7/16	7/16	1.40	36		
32882-5-4	5/16	1/2x20	1/4	2.31	59	7/16	1/2	1.56	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		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

36782 Male Inverted SAE 45° - Swivel - 45° Elbow

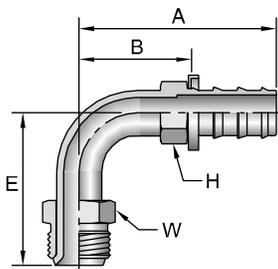


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# Part Number	Thread		Hose I.D. inch	A		E		H		W		B	
	inch	inch		inch	mm	inch	mm	inch	inch	inch	inch	inch	mm
36782-6-6	3/8	5/8x18	3/8	2.64	67	0.94	24	1/2	5/8	1.74	44		

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

36982 Male Inverted SAE 45° - Swivel - 90° Elbow



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# Part Number	Thread		Hose I.D. inch	A		E		H		W		B	
	inch	inch		inch	mm	inch	mm	inch	inch	inch	inch	inch	mm
36982-6-6	3/8	5/8x18	3/8	2.30	58	1.69	43	1/2	5/8	1.40	36		

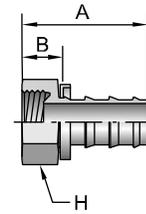
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

32982

Female Inverted SAE 45° - Rigid

# Part Number	Thread		Hose I.D. inch	A		H inch	B	
	inch			inch	mm		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

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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3JC82

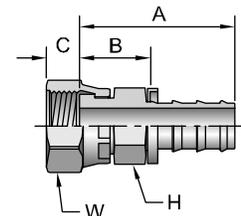
Female Seal-Lok® - Swivel - Short

ISO 12151-1 - SWSA

# Part Number	Thread		Hose I.D. inch	A		C		H inch	W inch	B		Additional Material	
	inch			inch	mm	inch	mm			inch	mm	Brass (B)	Stainless Steel (C)
3JC82-4-4	1/4	9/16x18	1/4	1.40	36	0.32	8	9/16	11/16	0.65	17		•
3JC82-6-6	3/8	11/16x16	3/8	1.59	40	0.38	10	11/16	13/16	0.69	18		•
3JC82-8-6	1/2	13/16x16	3/8	1.65	42	0.38	10	13/16	15/16	0.76	19		•
3JC82-8-8	1/2	13/16x16	1/2	1.80	46	0.43	11	13/16	15/16	0.75	19		•
3JC82-10-10	5/8	1x14	5/8	2.40	61	0.53	13	15/16	1-1/8	0.95	24		•
3JC82-12-12	3/4	1-3/16x12	3/4	2.63	67	0.57	14	1-1/8	1-3/8	1.18	30		•

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

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

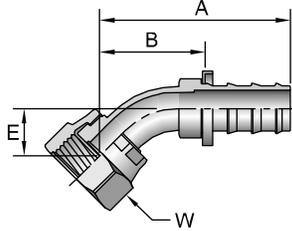


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See Accessories Section for O-Rings.

3J782

Female Seal-Lok® - Swivel - 45° Elbow ISO 12151-1 - SWE45



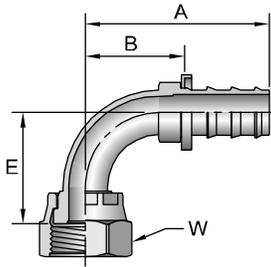
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# Part Number	Thread		Hose I.D. inch	A		E		W	B	
	inch	inch		inch	mm	inch	mm		inch	mm
3J782-4-4	1/4	9/16x18	1/4	1.74	44	0.39	10	11/16	0.99	25
3J782-6-6	3/8	11/16x16	3/8	1.99	51	0.43	11	13/16	1.09	28
3J782-8-8	1/2	13/16x16	1/2	2.41	61	0.59	15	15/16	1.36	35

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

3J982

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



view on web page

# Part Number	Thread		Hose I.D. inch	A		E		W	B	
	inch	inch		inch	mm	inch	mm		inch	mm
3J982-4-4	1/4	9/16x18	1/4	1.55	39	0.83	21	11/16	0.80	20
3J982-6-6	3/8	11/16x16	3/8	1.85	47	0.91	23	13/16	0.95	24
3J982-6-8	3/8	11/16x16	1/2	2.09	53	0.91	23	13/16	1.04	26
3J982-8-6	1/2	13/16x16	3/8	1.94	49	1.14	29	15/16	1.04	26
3J982-8-8	1/2	13/16x16	1/2	2.16	55	1.14	29	15/16	1.11	28
3J982-10-10	5/8	1x14	5/8	2.76	70	1.26	32	1-1/8	1.31	33
3J982-12-12	3/4	1-3/6x12	3/4	3.27	83	1.89	48	1-3/8	1.82	46

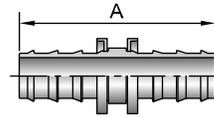
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

See Accessories Section for O-Rings.

38282 Push-Lok Union

# Part Number	Hose I.D. inch	A		Additional Material Brass (B)
		inch	mm	
38282-8-8	1/2	2.51	64	•
38282-10-10	5/8	3.31	84	•
38282-12-12	3/4	3.31	84	•

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

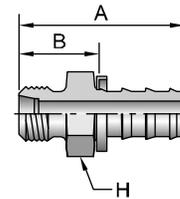


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3D082 Male Metric L - Rigid - (24° Cone)

# Part Number	Thread mm	Hose I.D. inch	A		H mm	B	
			inch	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

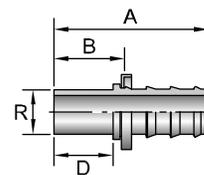


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31D82 Male Standpipe Metric L - Rigid

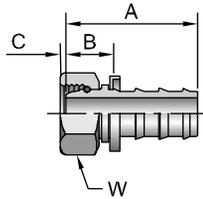
# Part Number	R mm	Hose I.D. inch	A		D		B	
			inch	mm	inch	mm	inch	mm
31D82-6-4	6	1/4	1.73	44	0.87	22	0.98	25
31D82-8-4	8	1/4	1.73	44	0.87	22	0.98	25
31D82-10-6	10	3/8	1.93	49	0.91	23	1.02	26
31D82-12-6	12	3/8	1.93	49	0.91	23	1.06	27
31D82-18-10	18	5/8	2.64	67	1.02	26	1.10	28
31D82-22-12	22	3/4	2.72	69	1.10	28	1.22	31

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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39282 Female BSP Parallel Pipe - Swivel - (60° Cone)



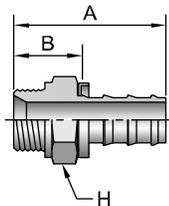
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# Part Number	Thread inch	Hose I.D. inch	A		C		W mm	B		Additional Material Brass (B)
			inch	mm	inch	mm		inch	mm	
39282-4-4	1/4x19	1/4	1.34	34	0.22	6	17	0.55	14	•
39282-6-6	3/8x19	3/8	1.50	38	0.26	7	19	0.55	14	
39282-8-8	1/2x14	1/2	1.77	45	0.28	7	27	1.06	27	
39282-12-12	3/4x14	3/4	2.13	54	0.35	9	36	1.42	36	

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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

3D982 Male BSP Parallel Pipe - Rigid - (60° Cone)



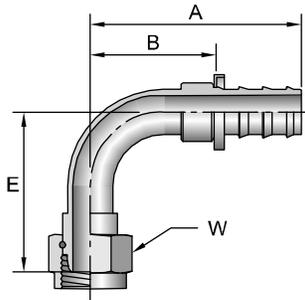
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# Part Number	Hose I.D. inch	A		H mm	B	
		inch	mm		inch	mm
3D982-2-4	1/4	1.42	36	14	0.63	16
3D982-4-4	1/4	1.61	41	19	0.83	21
3D982-4-6	3/8	1.77	45	19	0.83	21
3D982-6-6	3/8	1.77	45	22	0.87	22
3D982-8-8	1/2	2.09	53	27	0.98	25
3D982-8-10	5/8	2.44	62	27	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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

3B282 Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)



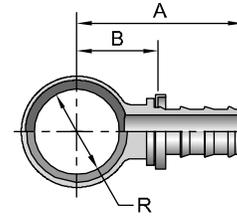
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# Part Number	Thread inch	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	mm		inch	mm
3B282-4-4	1/4x19	1/4	1.65	42	1.02	26	17	1.02	26
3B282-6-6	3/8x19	3/8	2.09	53	1.18	30	19	1.18	30
3B282-8-8	1/2x14	1/2	2.56	65	1.57	40	27	1.57	40
3B282-10-10	5/8x14	5/8	2.99	76	1.57	40	30	1.57	40

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

34982 DIN Metric Banjo

# Part Number			A		B	
	R mm	Hose I.D. inch	inch	mm	inch	mm
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



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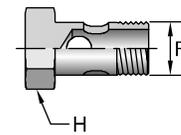
⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

AM Banjo Bolt with DIN Metric Thread

# Part Number			Copper Washer (2)	
	R Thread mm	H 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.

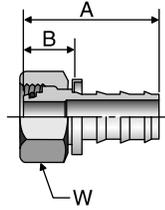
⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



3CA82

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

ISO 12151-2 - SWS



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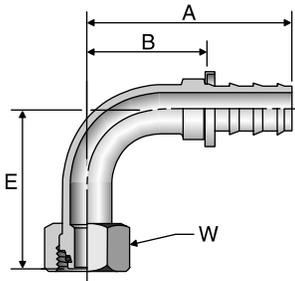
# Part Number	Thread mm	Hose I.D. inch	A		W mm	B	
			inch	mm		inch	mm
3CA82-8-4	8	M14x1,5	1/4	1.42	36	17	0.67 17
3CA82-10-6	10	M16x1,5	3/8	1.57	40	19	0.67 17
3CA82-12-6	12	M18x1,5	3/8	1.57	40	22	0.67 17
3CA82-15-8	15	M22x1,5	1/2	1.73	44	27	0.71 18
3CA82-22-12	22	M30x2	3/4	2.28	58	36	0.83 21

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

3CF82

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

ISO 12151-2 - SWE



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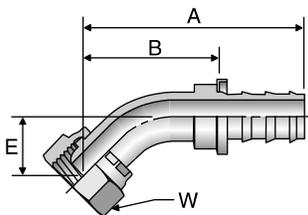
# Part Number	Thread mm	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	mm		inch	mm
3CF82-12-6	12	M18x1,5	3/8	1.93	49	1.42	36	22	1.06 27

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

3C482

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

End Connection per ISO 8434-1-SWOE



view on web page

# Part Number	Thread mm	Hose I.D. inch	A		E		W mm	B	
			inch	mm	inch	mm		inch	mm
3C482-10-6B	10	M16x1,5	3/8	2.28	58	0.71	18	19	1.38 35

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

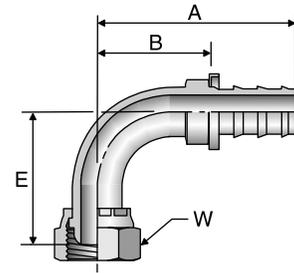
3C582

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

End Connection per ISO 8434-1-SWOE

# Part Number	Thread		Hose I.D.		A		E		W	B	
	mm		inch		inch	mm	inch	mm	mm	inch	mm
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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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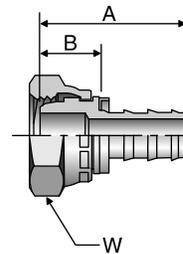
3C382

Female Metric L - Swivel - (Ball Nose)

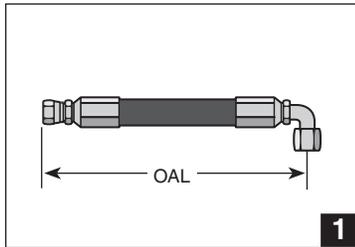
End Connection per ISO 8434-1-SWOS

# Part Number	Thread		Hose I.D.		A		W	B	
	mm		inch		inch	mm	mm	inch	mm
3C382-10-6B	10	M16x1,5	3/8		1.50	38	19	0.59	15

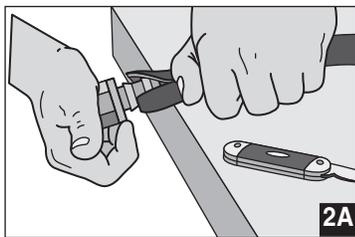
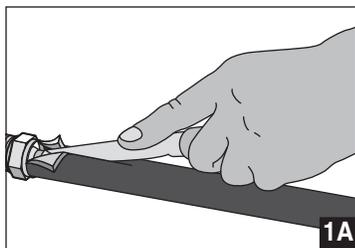
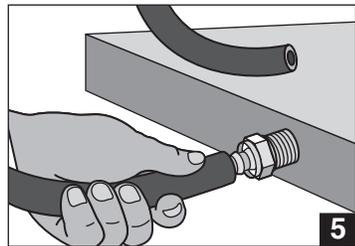
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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OAL : Straight to 90° Elbow



82 Series

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.
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.

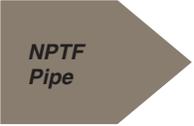
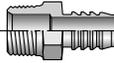
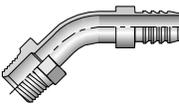
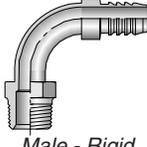
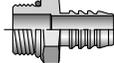
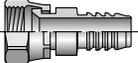
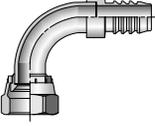
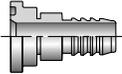
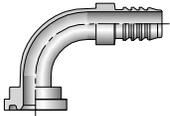
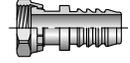
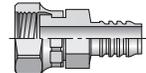
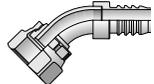
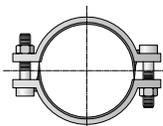
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B

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D

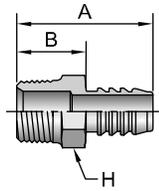
E

 <p>NPTF Pipe</p>	<p>0188 B-194</p>  <p>Male - Rigid</p>	<p>3188 B-194</p>  <p>Male - Rigid 45° Elbow</p>	<p>2188 B-194</p>  <p>Male - Rigid 90° Elbow</p>	 <p>Straight Thread</p>	<p>0588 B-195</p>  <p>Male - Rigid</p>
 <p>JIC 37°</p>	<p>0688 B-195</p>  <p>Female - Swivel</p>	<p>3788 B-195</p>  <p>Female - Swivel 45° Elbow</p>	<p>3988 B-196</p>  <p>Female - Swivel 90° Elbow</p>	 <p>Flange</p>	<p>1588 B-196</p>  <p>Flange Heads</p>
<p>1788 B-197</p>  <p>45° Elbow</p>	<p>1988 B-197</p>  <p>90° Elbow</p>	 <p>Seal-Lok® O-Ring Face Seal</p>	<p>JS88 B-197</p>  <p>Female - Swivel Long</p>	<p>JC88 B-198</p>  <p>Female - Swivel Short</p>	<p>J788 B-198</p>  <p>Female - Swivel 45° Elbow</p>
<p>J988 B-198</p>  <p>Female - Swivel 90° Elbow</p>	 <p>Union</p>	<p>8888 B-199</p>  <p>Union</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-199</p>  <p>81 Series Crimp Shell</p>
 <p>Hose Clamp</p>	<p>88HC B-199</p>  <p>Hose Clamp</p>	<p>88HC-H B-199</p>  <p>Hose-Clamp</p>	<p>88DB B-199</p>  <p>Heavy Duty Clamp</p>		

Product Definition

An 81 series fitting includes any 88 series body plus an 81 series crimp shell (0081). An 88 series fitting includes an 88 series body plus a hose clamp (88HC, 88HC-H or 88DB). To configure either an 81 or 88 series fitting, you will need to order the components separately.

0188 Male NPTF Pipe - Rigid

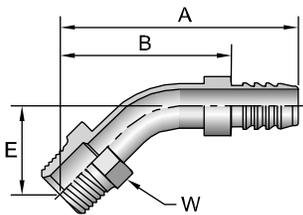


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# Part Number	Thread inch	Hose I.D. inch	A		H inch	B	
			inch	mm		inch	mm
0188-12-12	3/4x14	3/4	2.25	57	1-1/8	1.13	29
0188-16-16	1x11-1/2	1	2.75	70	1-3/8	1.37	35
0188-20-20	1-1/4x11-1/2	1-1/4	3.05	77	1-3/4	1.47	37
0188-20-24	1-1/4x11-1/2	1-1/2	3.21	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

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

3188 Male NPTF Pipe - Rigid - 45° Elbow

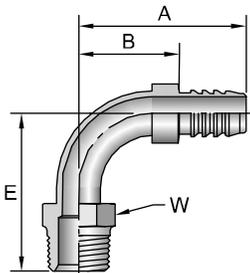


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# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B	
			inch	mm	inch	mm		inch	mm
3188-16-16	1x11-1/2	1	4.12	105	1.63	41	1-3/8	2.74	70
3188-20-20	1-1/4x11-1/2	1-1/4	4.54	115	1.77	45	1-3/4	2.96	75

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

2188 Male NPTF Pipe - Rigid - 90° Elbow



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# Part Number	Thread inch	Hose I.D. inch	A		E		W inch	B	
			inch	mm	inch	mm		inch	mm
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

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

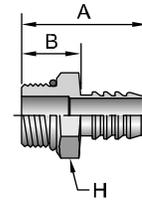
See page B-199 for 81 Series crimp shells and clamps for 88 Series fittings.
See Equipment Section for assembly and crimping instructions.
See Accessories Section for O-Rings and Flange Kits.

0588

Male SAE Straight Thread with O-Ring - Rigid

# Part Number	Thread		Hose I.D.		A		H		B	
	inch		inch		inch	mm	inch	mm	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



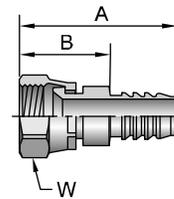
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0688

Female JIC 37° - Swivel

# Part Number	Thread		Hose I.D.		A		W		B	
	inch		inch		inch	mm	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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



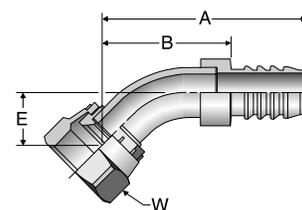
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3788

Female JIC 37° - Swivel

# Part Number	Thread		Hose I.D.		A		E		W		B	
	inch		inch		inch	mm	inch	mm	inch	mm	inch	mm
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	

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

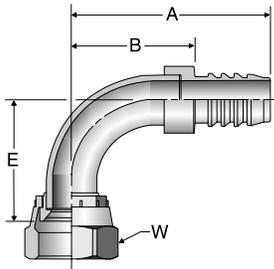


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See page B-199 for 81 Series crimp shells and clamps for 88 Series fittings.
 See Equipment Section for assembly and crimping instructions.
 See Accessories Section for O-Rings and Flange Kits.

3988

Female JIC 37° - Swivel



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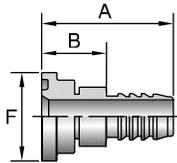
# Part Number	Thread		Hose I.D. inch	A		E		W inch	B	
	inch			inch	mm	inch	mm		inch	mm
3988-16-16	1	1-5/16x12	1	3.48	88	2.14	54	1-1/2	2.10	53
3988-20-20	1-1/4	1-5/8x12	1-1/4	3.81	97	2.59	66	2	2.22	56
3988-24-24	1-1/2	1-7/8x12	1-1/2	4.21	107	2.81	71	2-1/4	2.47	63

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1588

SAE Code 61 Flange Head

ISO 12151-3 - S - L



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# Part Number	Flange inch	Hose I.D. inch	A		F inch	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
1588-48-40	3	2-1/2	4.62	117	4	2.79	71

See page B-199 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.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

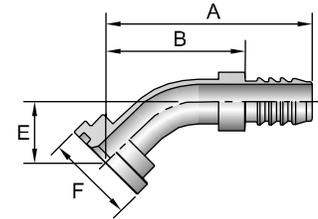
1788

SAE Code 61 Flange Head - 45° Elbow

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

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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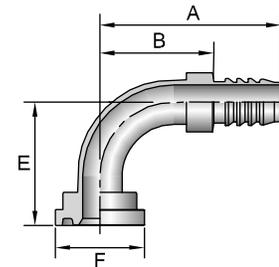
1988

SAE Code 61 Flange Head - 90° Elbow

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

# Part Number	Flange inch	Hose I.D. inch	A		E		F inch	B	
			inch	mm	inch	mm		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	3-5/16	3.69	94

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



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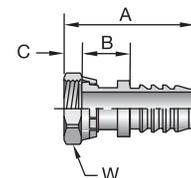
JS88

Female Seal-Lok® - Swivel - Long

ISO - 12151-1 - SWSB

# Part Number	Thread		Hose I.D. inch	A		W inch	B		C	
	inch	inch		inch	mm		inch	mm	inch	mm
JS88-20-20	1-1/4	1-11/16x12	1-1/4	3.21	82	1-7/8	1.62	41,1	0.59	15,0
JS88-24-24	1-1/2	2x12	1-1/2	3.47	88	2-1/4	1.73	43,9	0.62	15,7

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



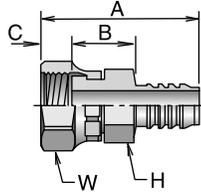
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See page B-199 for 81 Series crimp shells and clamps for 88 Series fittings.
See Equipment Section for assembly and crimping instructions.
See Accessories Section for O-Rings and Flange Kits.

JC88

Female Seal-Lok - Swivel - Short

ISO 12151- 1 - SWSA



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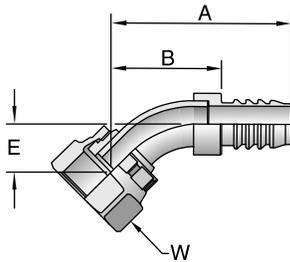
#	🔧		🌀	A		C	📐		B	
	Part Number	Thread inch		Hose I.D. inch	inch		mm	H inch	W inch	inch
JC88-12-12	3/4	1-3/16x12	3/4	2.80	71	0.57	1-1/8	1-3/8	1.70	43
JC88-16-12	1	1-7/16x12	3/4	2.82	72	0.58	1-3/8	1-5/8	1.69	43
JC88-16-16	1	1-7/16x12	1	3.07	78	0.59	1-3/8	1-5/8	1.69	43
JC88-20-16	1-1/4	1-11/16x12	1	3.08	78	0.59	1-7/8	1-5/8	1.70	43
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	43

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

⚠️ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

J788

Female Seal-Lok - Swivel - 45° Elbow



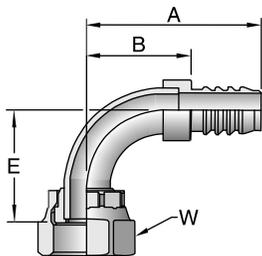
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#	🔧		🌀	A		E		📐	B	
	Part Number	Thread inch		Hose I.D. inch	inch	mm	inch		mm	inch
J788-16-16	1	1-7/16x12	1	3.79	96	0.94	24	1-5/8	2.41	61
J788-20-20	1-1/4	1-11/16x12	1-1/4	3.71	94	0.94	24	1-7/8	2.12	54

⚠️ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

J988

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



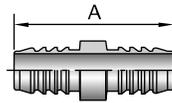
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#	🔧		🌀	A		E		📐	B	
	Part Number	Thread inch		Hose I.D. inch	inch	mm	inch		mm	inch
J988-12-12	3/4	1-3/16x12	3/4	2.85	72	1.83	46	1-3/8	1.72	44
J988-16-16	1	1-7/16x12	1	3.74	95	2.19	56	1-5/8	2.36	60
J988-16-16C	1	1-7/16x12	1	3.75	95	2.22	56	1-5/8	2.37	60
J988-20-20	1-1/4	1-11/16x12	1-1/4	4.26	108	2.51	64	1-7/8	2.67	68
J988-24-24	1-1/2	2x12	1-1/2	5.27	134	2.68	68	2-1/4	3.53	90

⚠️ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

8888 Union (Hose Splicer)

# Part Number	Hose I.D. inch	A	
		inch	mm
8888-16-16	1	3.21	82
8888-20-20	1-1/4	3.61	92



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⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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



[view on web page](#)

See page D-38 for more information.

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



[view on web page](#)

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.

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

88HC-H Hose Clamp (High Torque Worm Gear)

# Part Number	Hose I.D. inch
88HC-16H	1
88HC-20H	1-1/4
88HC-32H	2
88HC-40H	2-1/2
88HC-48H	3

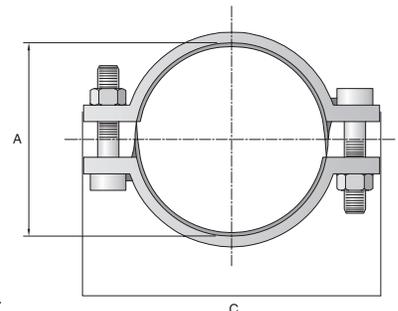


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See page D-38 for more information.

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



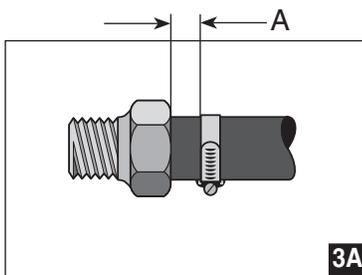
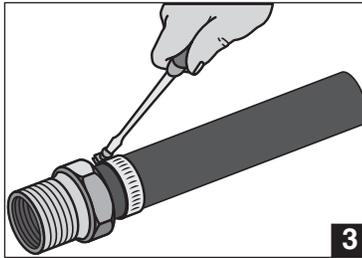
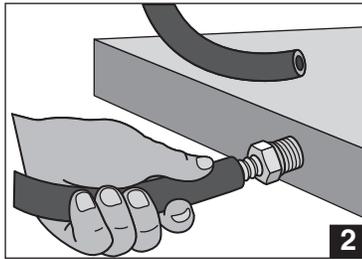
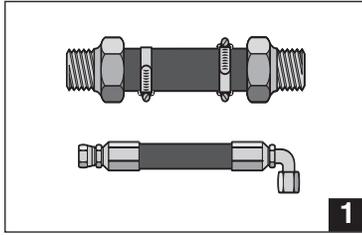
See page D-38 for more information.

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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 to tightening torque listed on page D-37. 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.