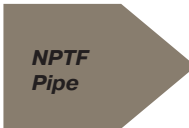
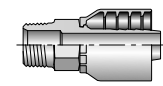
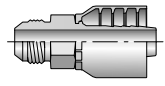
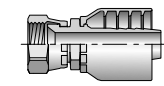
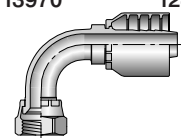
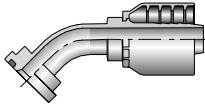
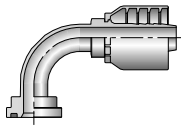
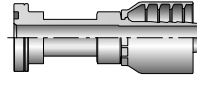
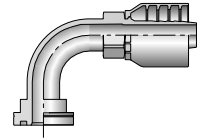
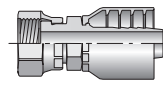
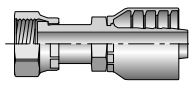
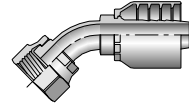
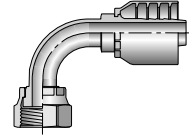
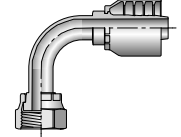
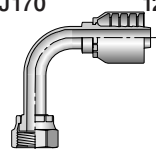
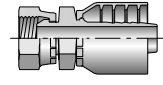
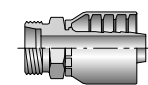
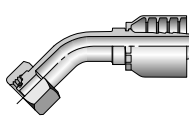
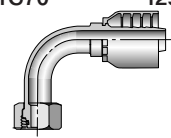
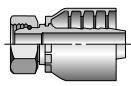
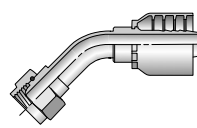
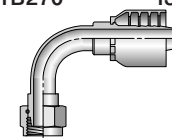
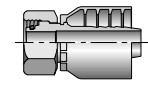
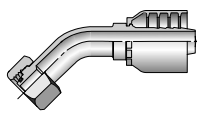
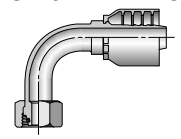
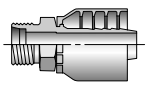
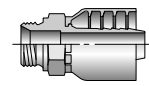
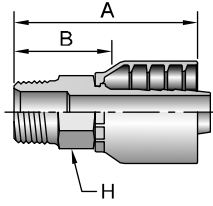


70 Series Fittings

 NPTF Pipe	10170 124  <i>Male - Rigid</i>	 JIC 37°	10370 124  <i>Male - Rigid</i>	10670 124  <i>Female - Swivel</i>	13970 124  <i>Female - Swivel 90° Elbow - Short</i>
 Code 61 Flange	11770 125  <i>45° Elbow</i>	11970 125  <i>90° Elbow</i>	 Code 62 Flange	16A70 125  <i>Flange Head</i>	16N70 126  <i>90° Elbow</i>
 Seal-Lok® (O-Ring Face Seal)	1JC70 126  <i>Female - Swivel Short</i>	1JS70 126  <i>Female - Swivel Long</i>	1J770 127  <i>Female - Swivel 45° Elbow</i>	1J970 127  <i>Female - Swivel 90° Elbow - Short</i>	1J570 127  <i>Female - Swivel 90° Elbow - Medium</i>
1J170 127  <i>Female - Swivel 90° Elbow - Long</i>	 BSP 60° Cone	1GU70 128  <i>Female - Swivel</i>	 French Gaz	1FG70 128  <i>Male - Rigid</i>	 Metric
10C70 128  <i>Female Metric S - Swivel - 45° Elbow</i>	11C70 129  <i>Female Metric S - Swivel - 90° Elbow</i>	19270 129  <i>Female BSP - Swivel - 60° Cone</i>	1B170 129  <i>Female BSP - Swivel - 45° Elbow</i>	1B270 130  <i>Female BSP - Swivel - 90° Elbow</i>	1C970 130  <i>Female - Swivel</i>
1CE70 130  <i>Female Metric L - Swivel - 45° Elbow</i>	1CF70 131  <i>Female Metric L - Swivel - 90° Elbow</i>	1D270 131  <i>Male Metric S - Rigid</i>	1D970 131  <i>Male - BSP - Rigid</i>		

10170

Male NPTF Pipe - Rigid



view on web page

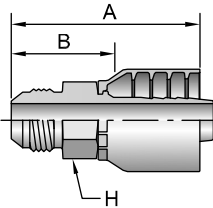
#	Thread	Hose I.D.	A		H	B	
Part Number	inch	inch	inch	mm	inch	inch	mm
10170-6-6	3/8x18	3/8	2.37	60	3/4	1.47	37
10170-8-8	1/2x14	1/2	2.84	72	7/8	1.40	36



WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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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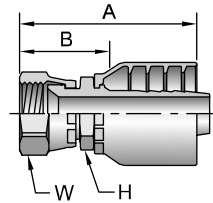
#	Thread	Hose I.D.	A		H	B	
Part Number	inch	inch	inch	mm	inch	inch	mm
10370-8-8	1/2 3/4x16	1/2	2.68	68	7/8	1.47	37
10370-10-8	5/8 7/8x14	1/2	2.62	66	15/16	1.41	36



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10670

Female JIC 37° - Swivel



view on web page

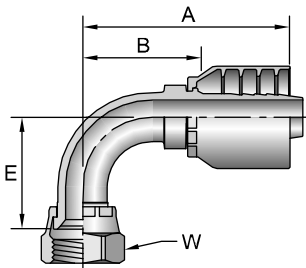
#	Thread	Hose I.D.	A		H	W	B	
Part Number	inch	inch	inch	mm	inch	inch	inch	mm
10670-6-6	3/8 9/16x18	3/8	2.29	58	11/16	11/16	1.39	35
10670-8-8	1/2 3/4x16	1/2	2.62	67	13/16	7/8	1.41	36
10670-10-8	5/8 7/8x14	1/2	2.85	72	7/8	1	1.64	42
10670-10-10	5/8 7/8x14	5/8	2.84	72	15/16	1	1.59	40



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13970

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



view on web page

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



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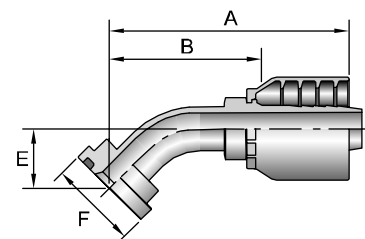
11770**SAE Code 61 Flange Head - 45° Elbow**

ISO 12151-3 - 45S - L

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



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view on web page

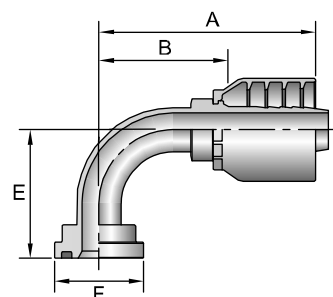
11970**SAE Code 61 Flange Head - 90° Elbow**

ISO 12151-3 - E90S - L

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



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view on web page

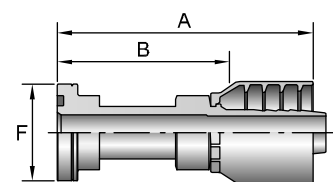
16A70**SAE Code 62 Flange Head**

ISO 12151-3 - S - S

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



WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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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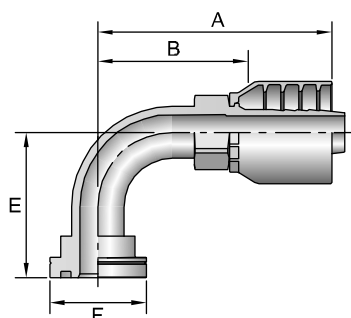
See Accessories Section for O-Rings and Flange Kits.

Use with hoses: F42

16N70

SAE Code 62 Flange Head - 90° Elbow

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



[view on web page](#)

#			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

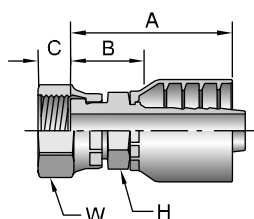


WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

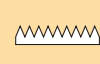
1JC70

Female Seal-Lok® - Swivel - Short

ISO 12151- 1 - SWSA



[view on web page](#)

#			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

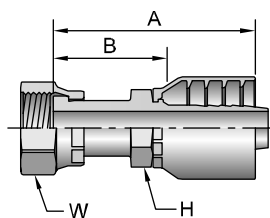


WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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



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See Accessories Section for O-Rings and Flange Kits.

Use with hoses: F42

Catalog 4400 US

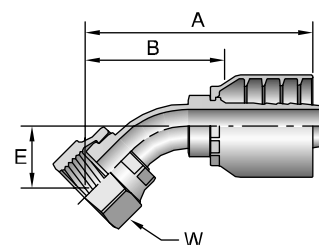
1J770

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45

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

WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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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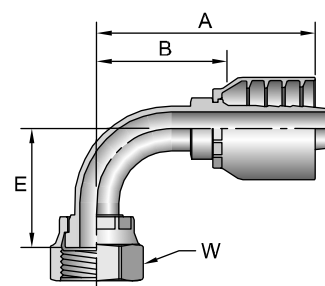
1J970

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

ISO 12151-1 - SWES90

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

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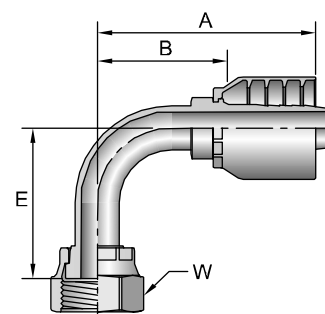
1J570

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

ISO 12151-1 - SWEM90

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

WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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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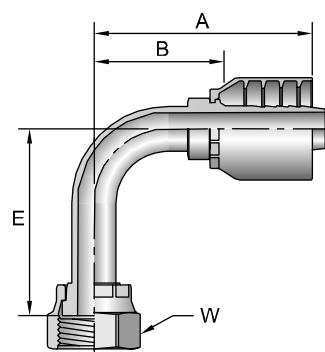
1J170

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

ISO 12151-1 - SWEL90

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

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



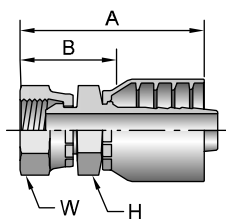
[view on web page](#)

See Accessories Section for O-Rings and Flange Kits.

Use with hoses: F42

1GU70

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



[view on web page](#)

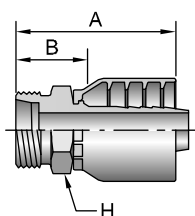
#			A				B	
Part Number	Thread Inch	Hose I.D. inch	inch	mm	H mm	W inch	inch	mm
1GU70-8-8	1/2x14	1/2	2.82	72	27	NA	1.61	41



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1FG70

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



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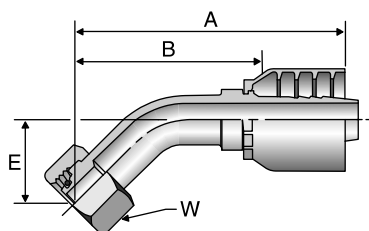
#			A				B	
Part Number	Thread mm	Hose I.D. inch	inch	mm	H inch	mm	inch	mm
1FG70-21-10	21 M30x1,5	5/8	2.87	73	1.18	30	1.62	41



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10C70

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



[view on web page](#)

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



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11C70

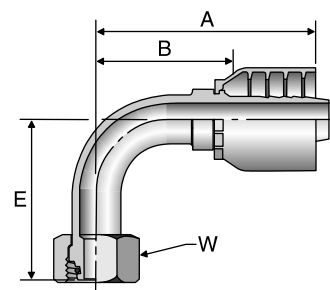
Female Metric S - Swivel - 90° Elbow - (24° Cone with O-Ring)

ISO 12151-2 - SWE

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



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19270

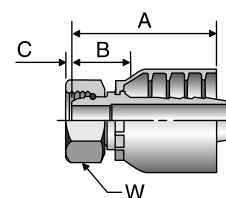
Female BSP Parallel Pipe - Swivel - (60° Cone)

ISO 228-1

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



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1B170

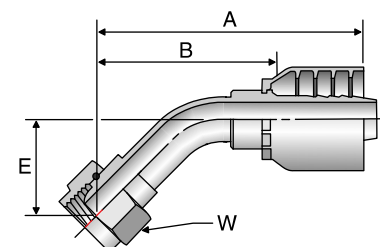
Female BSP Parallel pipe - Swivel- 45° Elbow - (60° Cone)

ISO 228-1

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



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



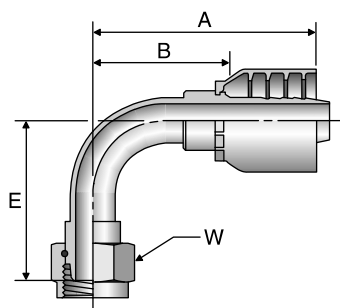
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Use with hoses: F42

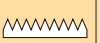
1B270

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

ISO 228-1



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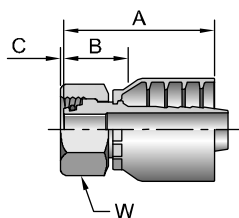
#			A		E		W	B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
1B270-8-8	1/2x14	1/2	2.76	70	1.54	39	27	1.38	35
1B270-10-10	5/8x14	5/8	3.07	78	1.81	46	30	1.61	41
1B270-12-10	3/4x14	5/8	3.19	81	1.65	42	32	1.61	41



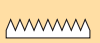
WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1C970

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



[view on web page](#)

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

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

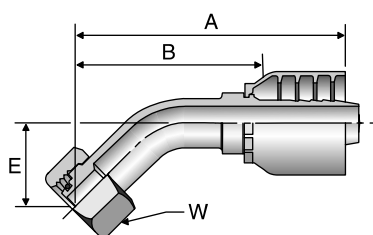


WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1CE70

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

ISO 12151-2 - SWE45



[view on web page](#)

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



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Use with hoses: F42

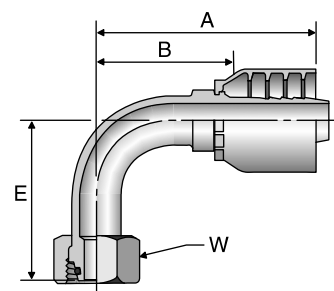
1CF70

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

ISO 12151-2 - SWE

#			A		E		W	B	
Part Number	Thread mm	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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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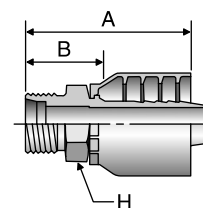
1D270

Male Metric S - Rigid - (24° Cone)

ISO 12151-2

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

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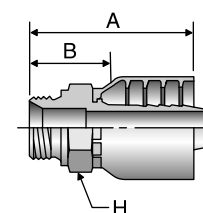
1D970

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

ISO 228-1

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

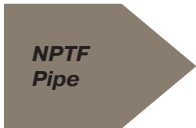
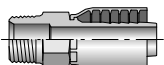
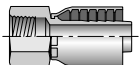
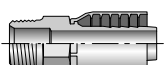
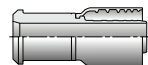
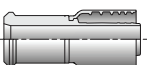
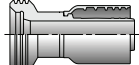
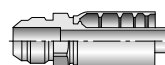
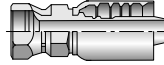
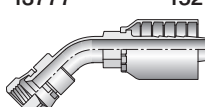
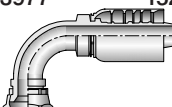
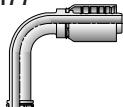
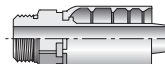
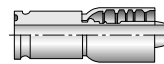
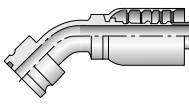
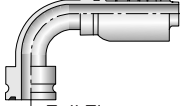
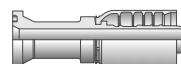
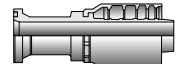
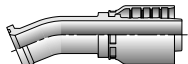
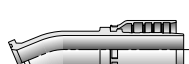
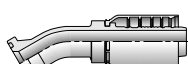
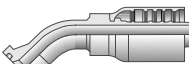
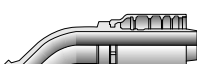
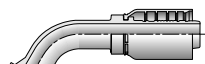
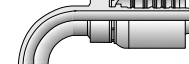
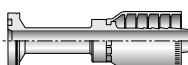
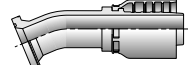
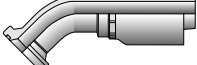
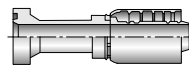
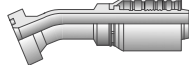
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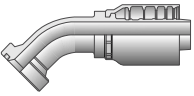
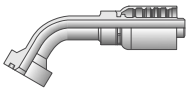
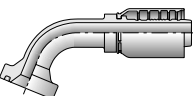
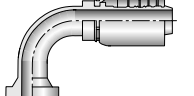
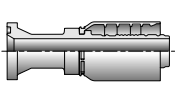
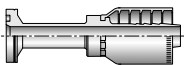
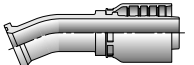
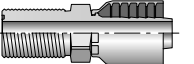
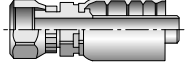
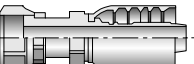
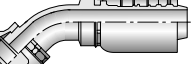
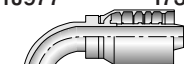
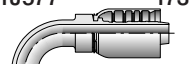
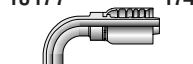
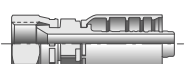
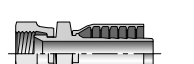
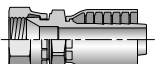
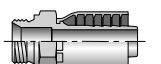
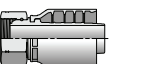
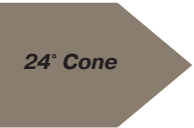
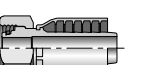
Use with hoses: F42

77 Series Fittings

 NPTF Pipe	10177 149  Male - Rigid - Straight	10277 149  Female - Rigid Straight	 API	1AP77 149  Male - Rigid - Straight	 Hammer Union
1HB77 150  Male - Hammer Union 90° Wing Nut	1HE77 150  Male - Hammer Union	1HN77 150  Female - Hammer Union	 JIC 37°	10377 150  Male - Rigid - Straight	10677 151  Female - Swivel Straight
13777 152  Female - Swivel 45° Elbow - Short	13977 152  Female - Swivel 90° Elbow - Short	14177 153  Female - Swivel 90° Elbow - Long	 Straight Thread O-Ring	10577 153  Male - Rigid - Straight	 Full Flange
1X577 153  Full Flange - Straight	1X777 154  Full Flange 45° Elbow	1X977 154  Full Flange 90° Elbow	 Flange Code 61	11577 155  Code 61 - Straight	14A77 155  Straight (5,000 psi)
11677 156  Code 61 22-1/2° Elbow	14B77 156  22-1/2° Elbow (5,000 psi)	12677 156  Code 61 - 30° Elbow	14E77 157  30° Elbow (5,000 psi)	11777 157  Code 61 - 45° Elbow	14F77 158  45° Elbow (5,000 psi)
12777 158  Code 61 - 60° Elbow	14G77 159  60° Elbow (5,000 psi)	11877 159  Code 61 67-1/2° Elbow	14M77 160  67-1/2° Elbow (5,000 psi)	11977 160  Code 61 - 90° Elbow	18977 161  Code 61 90° Elbow - Long
14N77 161  90° Elbow (5,000 psi)	 Flange Code 62	16A77 162  Code 62 - Straight	16B77 162  Code 62 22-1/2° Elbow	16E77 163  Code 62 - 30° Elbow	16F77 163  Code 62 - 45° Elbow
16G77 164  Code 62 - 60° Elbow	16N77 164  Code 62 - 90° Elbow	 Caterpillar® Flange	1XA77 165  Caterpillar® - Flange	1XB77 165  Caterpillar® - Flange 22-1/2° Elbow	1XE77 166  Caterpillar® Flange 30° Elbow

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

77 Series Fittings

1XF77 166  <i>Caterpillar® - Flange 45° Elbow</i>	1XG77 167  <i>Caterpillar® - Flange 60° Elbow</i>	1XM77 167  <i>Caterpillar® Flange 67-1/2° Elbow</i>	1XN77 168  <i>Caterpillar® Flange 90° Elbow</i>	 Komatsu® Flange	1K577 168  <i>Komatsu® Flange Straight</i>
1KA77 168  <i>Komatsu® HP Flange Straight</i>	1K677 169  <i>Komatsu® Flange 22-1/2° Elbow</i>	1K777 169  <i>Komatsu® Flange 45° Elbow</i>	1K377 169  <i>Komatsu® Flange 60° Elbow</i>	1K877 170  <i>Komatsu® Flange 67-1/2° Elbow</i>	1K977 170  <i>Komatsu® Flange 90° Elbow</i>
 Seal-Lok®	1JB77 170  <i>Male - Bulkhead w/o Locknut</i>	1JC77 171  <i>Female - Swivel Straight - Short</i>	1JS77 171  <i>Female - Swivel Straight - Long</i>	1J077 172  <i>Male - Rigid w/O-Ring</i>	1J777 172  <i>Female - Swivel 45° Elbow</i>
1J977 173  <i>Female - Swivel 90° Elbow - Short</i>	1J577 173  <i>Female - Swivel 90° Elbow - Medium</i>	1J177 174  <i>Female - Swivel 90° Elbow - Long</i>	 DIN "S" Series w/O-Ring	1D277 174  <i>Male Metric S Rigid - 24° Cone</i>	1C977 175  <i>Female - Swivel Straight</i>
10C77 175  <i>Female Metric S Swivel - 45° Elbow</i>	11C77 176  <i>Female - Swivel 90° Elbow</i>	 BSP	1FU77 176  <i>Female - Swivel Straight - 30° Flare</i>	1KU77 177  <i>Female - Metric Swivel - 30° Flare</i>	1MU77 177  <i>Female - Metric Swivel - 30° Flare</i>
1XU77 177  <i>Female - Swivel 30° Flare</i>	1D977 178  <i>Male - Rigid Straight - 60° Cone</i>	19277 178  <i>Female - Swivel Straight - 60° Cone</i>	1EA77 178  <i>Female - Swivel Straight - 60° Cone</i>	1GU77 179  <i>Female - Swivel Straight - 60° Cone</i>	1B177 179  <i>Female - Swivel 45° Elbow - 60° Cone</i>
1B277 180  <i>Female - Swivel 90° Elbow - 60° Cone</i>	 24° Cone	1CA77 180  <i>Female - Swivel Straight - 24° Cone</i>	1ZM77 180  <i>Male 24° Cone Rigid - Straight</i>		

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

Catalog 4400 US

10177

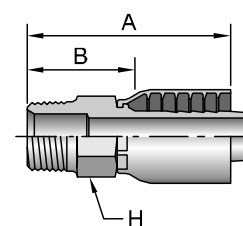
Male NPTF Pipe - Rigid

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

All sizes of 10177 fittings are rated at 5,000 psi working pressure.

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

 **WARNING:** The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



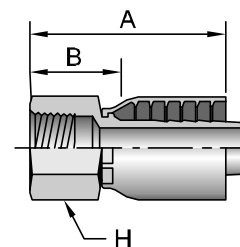
view on web page

10277

Female NPTF Pipe - Rigid

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

 **WARNING:** The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



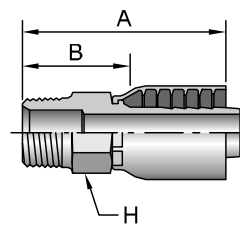
view on web page

1AP77

Male API Pipe - Rigid

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

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See Accessories Section for O-Rings and Flange Kits.

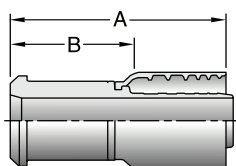


Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1HB77**Male Hammer Union - 90° Wing Nut**

FIG 1502



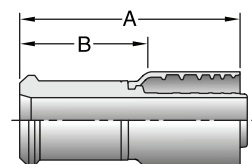
view on web page

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

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

1HE77**Male Hammer Union**

FIG 1502



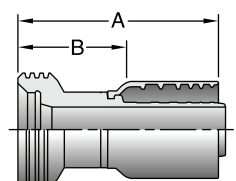
view on web page

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

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

1HN77**Female Hammer Union**

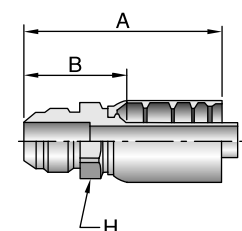
FIG 1502



view on web page

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

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

10377**Male JIC 37° - Rigid**

view on web page

#			A			B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	H 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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

10677**Female JIC 37° - Swivel**

ISO 12151-5

# Part Number									
	Thread inch		Hose I.D. inch	inch	mm	mm	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	46	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

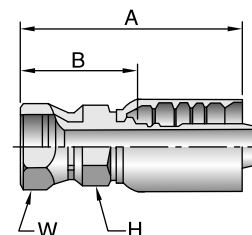
All sizes of 10677 fittings are rated at 5,000 psi working pressure.

"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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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.

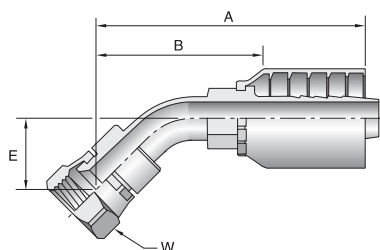


Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

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

ISO 12151-5



view on web page

#											
Part Number	Thread		Hose I.D.	A		E		W		B	
	inch		inch	inch	mm	inch	mm	mm	inch	mm	
13777-8-8	1/2	3/4x16	1/2	2.86	72,7	0.59	15	22	1.64	41,8	
13777-8-8C	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	

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

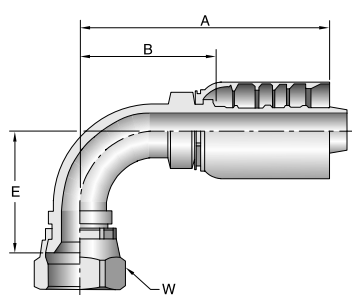
"C" suffix indicates stainless steel part. Some stainless steel parts are dimensionally different than the standard part.

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

WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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



view on web page

#											
Part Number	Thread		Hose I.D.	A		E		W		B	
	inch		inch	inch	mm	inch	mm	mm	inch	mm	
13977-8-8	1/2	3/4x16	1/2	2.78	70,7	1.14	29,0	22	1.56	39,7	
13977-8-8C	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	

WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

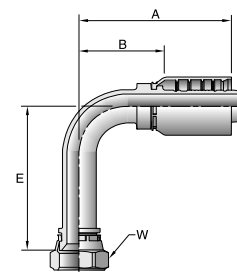
Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

14177**Female JIC 37° - Swivel - 90° Elbow - Long Drop**

ISO 12151-5

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

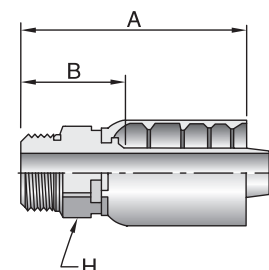
All sizes of 14177 fittings are rated at 5,000 psi working pressure.

**WARNING:** The products described in this catalog can expose you to chemicals, including Lead, which is known 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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10577**Male SAE Thread with O-Ring - Rigid**

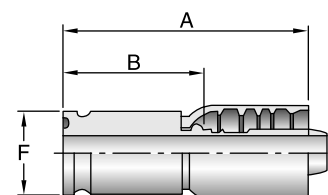
# Part Number	Thread inch	Hose I.D. inch	A		H	B		Additional Material Stainless Steel (C)
			inch	mm	mm	inch	mm	
10577-8-8	1/2 3/4x16	1/2	2.39	60,8	22	1.17	29,8	•
10577-12-12	3/4 1-1/16x12	3/4	3.17	80,5	32	1.53	38,9	•
10577-16-16	1 1-5/16x12	1	3.73	94,7	41	1.78	45,2	
10577-20-20	1-1/4 1-5/8x12	1-1/4	4.17	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:** The products described in this catalog can expose you to chemicals, including Lead, which is known 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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1X577**Full Flange - Code 61/62**

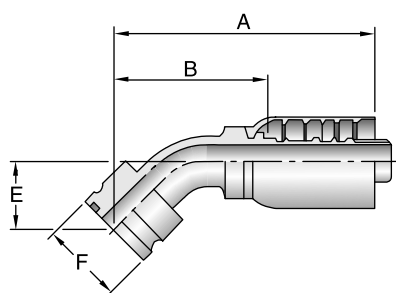
# Part Number	Flange inch	Hose I.D. inch	A		F	B	
			inch	mm	inch	inch	mm
1X577-8-8	1/2	1/2	2.44	62,1	1.02	1.22	31,1
1X577-12-12	3/4	3/4	4.06	103,0	1.37	2.42	61,6
1X577-16-12	1	3/4	4.06	103,0	1.54	2.42	61,6
1X577-16-16	1	1	4.45	113,0	1.54	2.50	63,5
1X577-16-20	1	1-1/4	4.73	120,2	1.54	2.46	62,5
1X577-20-16	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:** The products described in this catalog can expose you to chemicals, including Lead, which is known 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

See Accessories Section for O-Rings and Flange Kits.

**Refer to Pressure Rating of Hose End Connections Chart on page 482.****Use with hoses:** 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

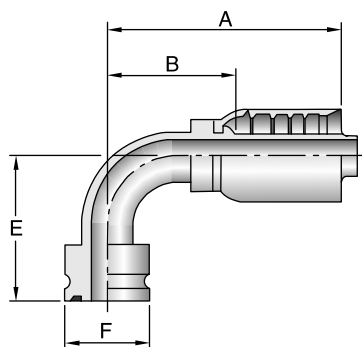
1X777**Full Flange - 45° Elbow - Code 61/62**

view on web page

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1X777-12-12	3/4	3/4	4.67	118,5	1.12	28,5	1.37	3.03	77,0
1X777-16-12	1	3/4	4.66	118,3	1.12	28,5	1.54	3.02	76,8
1X777-16-16	1	1	5.07	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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

view on web page

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1X977-8-8	1/2	1/2	3.14	79,8	1.69	43,0	1.02	1.92	48,9
1X977-12-12	3/4	3/4	4.24	107,6	2.38	60,5	1.37	2.60	66,1
1X977-12-16	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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.



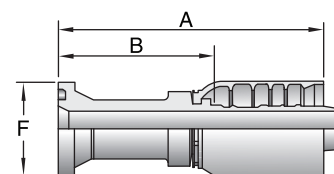
Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

11577**SAE Code 61 Flange Head**

ISO 12151-3-S-L

#								Additional Material Stainless Steel (C)
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm	
11577-8-8	1/2	1/2	3.52	89,6	1-3/16	2.30	58,6	•
11577-10-10	5/8	5/8	3.90	99,0	1-11/32	2.55	64,8	
11577-12-8	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	



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

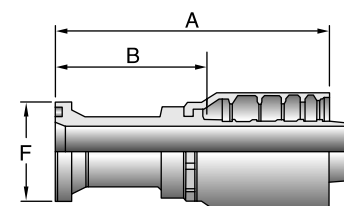


WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

14A77**SAE Code 61 Special Flange Head - 5,000* psi**

ISO 12151-3-S-L

#							
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	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



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*Must be used with 5050HK Flange Kits



WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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.

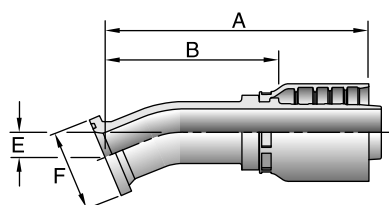


Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

11677**SAE Code 61 Flange Head - 22-1/2° Elbow**

ISO 12151-3-E22M-L



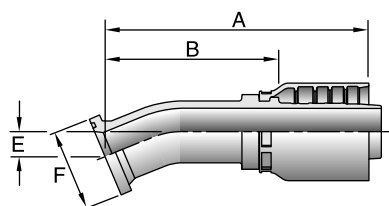
view on web page

#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	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	5.15	122,9	0.43	14,0	1-3/4	3.51	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

14B77**SAE Code 61 Special Flange Head - 22-1/2° Elbow - 5,000* psi**

ISO 12151-3-E22M-L



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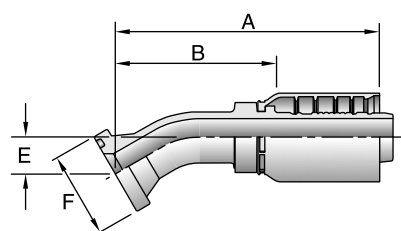
#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
14B77-20-20	1-1/4	1-1/4	6.65	169,0	0.59	15,0	2	4.38	111,3
14B77-24-24	1-1/2	1-1/2	7.45	189,35	0.71	18,0	2-3/8	5.06	128,65
14B77-32-32	2	2	9.12	231,7	0.87	22,0	2-13/16	6.37	161,7

*Must be used with 5050HK Flange Kits

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

12677**SAE Code 61 Flange Head - 30° Elbow**

ISO 12151-3-E30M-L



view on web page

#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

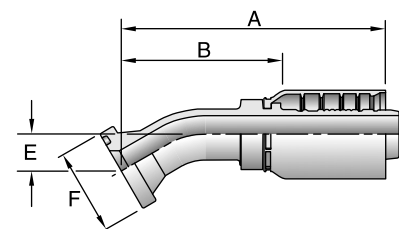
14E77**SAE Code 61 Special Flange Head - 30° Elbow - 5,000 psi**

ISO 12151-3-E30S-L

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

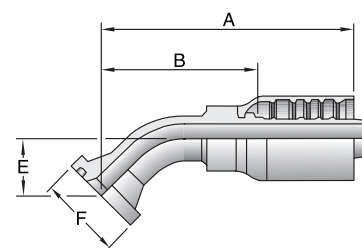
[view on web page](#)**11777****SAE Code 61 Flange Head - 45° Elbow**

ISO 12151-3-E45M-L

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
11777-8-8	1/2	1/2	3.11	79,0	0.79	20,0	1-3/16	1.89	48,0
11777-12-8	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	4.80	116,0	1.02	32,0	1-3/4	3.16	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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.

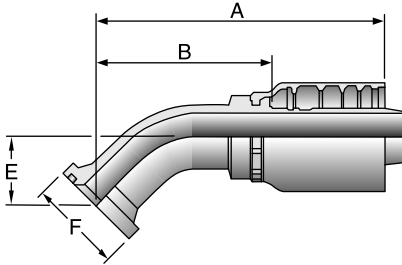
**Refer to Pressure Rating of Hose End Connections Chart on page 482.**

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

14F77

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

ISO 12151-3-E45M-L



view on web page

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

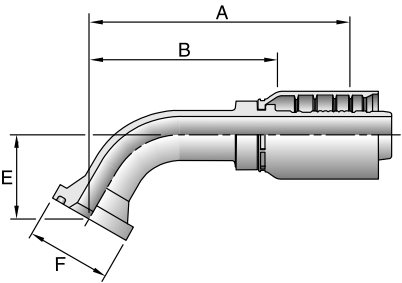


WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

12777

SAE Code 61 Flange Head - 60° Elbow

ISO 12151-3-E60M-L



view on web page

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	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	5.58	133,8	1.46	44,0	1-3/4	3.94	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

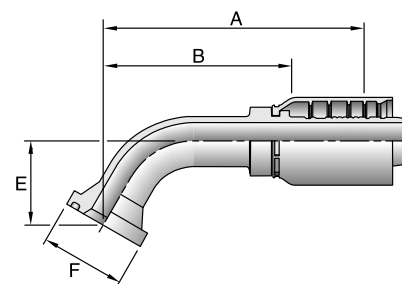
14G77**SAE Code 61 Special Flange Head - 60° Elbow - 5,000* psi**

ISO 12151-3-E60M-L

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

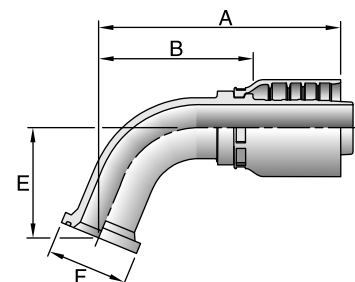
**view on web page****11877****SAE Code 61 Flange Head - 67-1/2° Elbow**

ISO 12151-3-E67M-L

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	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	5.31	128,7	1.65	51,0	1-3/4	3.67	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.**

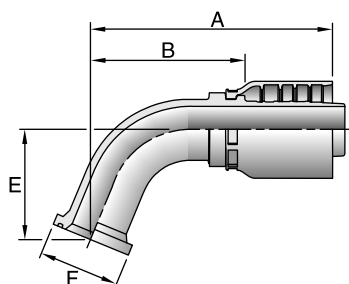
WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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See Accessories Section for O-Rings and Flange Kits.

**Refer to Pressure Rating of Hose End Connections Chart on page 482.**

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

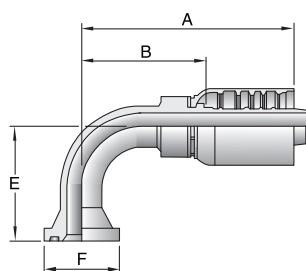
14M77**SAE Code 61 Special Flange Head - 67-1/2° Elbow - 5,000* psi**

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#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

11977**SAE Code 61 Flange Head - 90° Elbow****ISO 12151-3-E90M-L**

view on web page

#			A		E			B		Additional Material Stainless Steel (C)
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm	
11977-8-8	1/2	1/2	2.99	76.0	1.61	41.0	1-3/16	1.77	45.0	•
11977-10-10	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	70.0	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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.

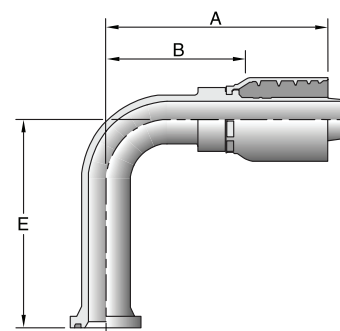
**Refer to Pressure Rating of Hose End Connections Chart on page 482.**

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

18977**SAE Code 61 Flange Head - 90° Elbow - Long Drop**

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



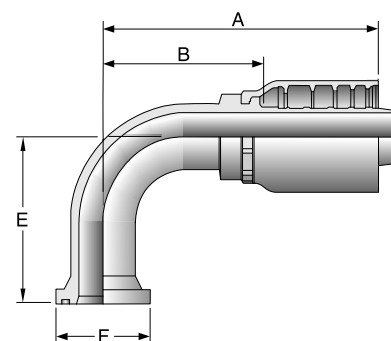
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14N77**SAE Code 61 Special Flange Head - 90° Elbow - 5,000* psi
ISO 12151-3-E90M-L**

#			A		E			B		Additional Material Stainless Steel (C)
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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.



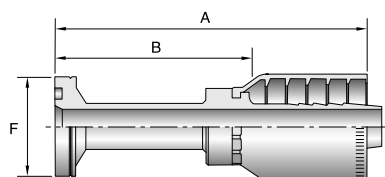
Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

16A77

SAE Code 62 Flange Head

ISO 12151-3-S-S



view on web page

#								Additional Material Stainless Steel (C)
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	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.

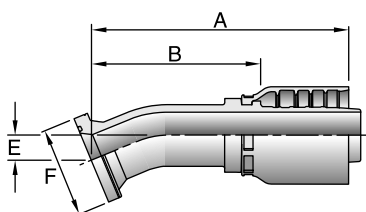


WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

16B77

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

ISO 12151-3-E22M-S



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#									
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

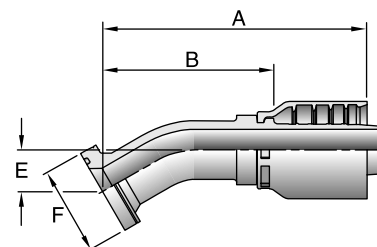
Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

16E77**SAE Code 62 Flange Head - 30° Elbow**

ISO 12151-3-E30M-S

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

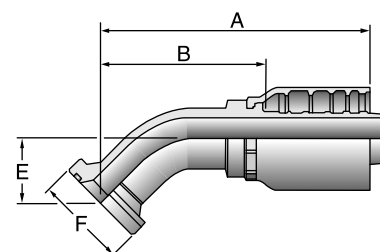
[view on web page](#)**16F77****SAE Code 62 Flange Head - 45° Elbow**

ISO 12151-3-E45M-S

#			A		E			B		Additional Material Stainless Steel (C)
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	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	4.80	116,0	1.02	32,0	1-7/8	3.16	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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.

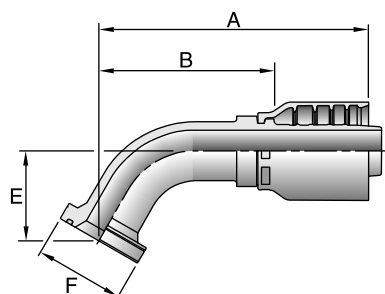


Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

16G77**SAE Code 62 Flange Head - 60° Elbow**

ISO 12151-3-E60M-S



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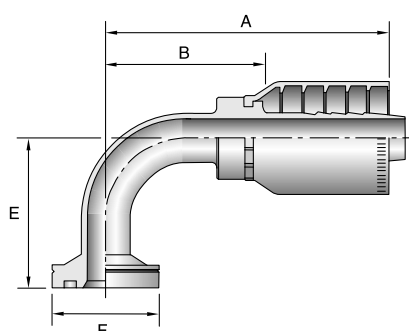
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
16G77-12-12	3/4	3/4	5.27	133,8	1.46	37,0	1-5/8	3.63	92,3
16G77-16-16	1	1	5.91	150,1	1.73	44,0	1-7/8	3.96	100,6
16G77-24-24	1-1/2	1-1/2	8.14	206.65	2.52	64,0	2-1/2	5.75	145.95
16G77-32-32	2	2	8.74	222,1	3.27	83,0	3-1/8	5.99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



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

16N77**SAE Code 62 Flange Head - 90° Elbow**

ISO 12151-3 - E90M - S



view on web page

#			A		E			B		Additional Material Stainless Steel (C)
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	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	70,0	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

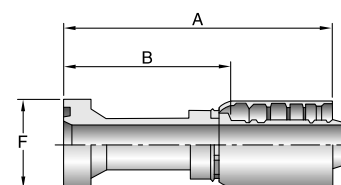
Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1XA77

Caterpillar® Flange Head

#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
1XA77-12-12	3/4	3/4	4.48	113,7	1-5/8	2.84	72,2
1XA77-12-16	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



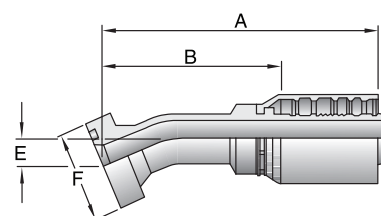
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1XB77

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

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



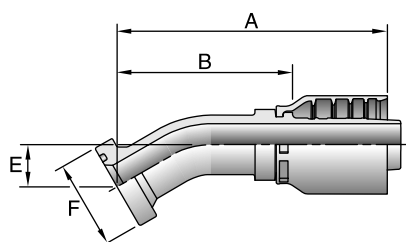
view on web page

See Accessories Section for O-Rings and Flange Kits.



Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

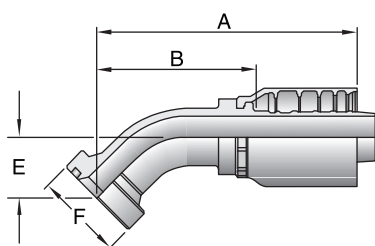
1XE77**Caterpillar® Flange Head - 30° Elbow**

view on web page

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



WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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**

view on web page

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XF77-12-12	3/4	3/4	4.76	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



WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

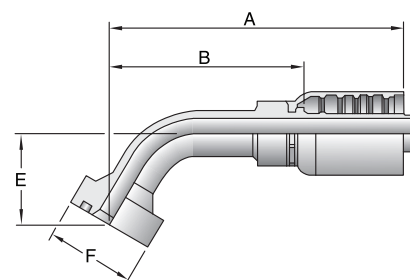
Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

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

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



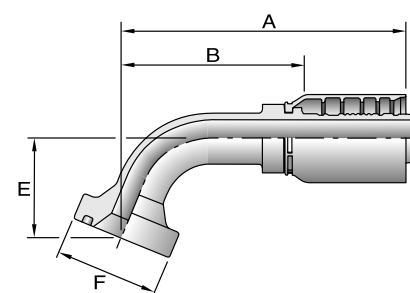
view on web page

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

WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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

See Accessories Section for O-Rings and Flange Kits.

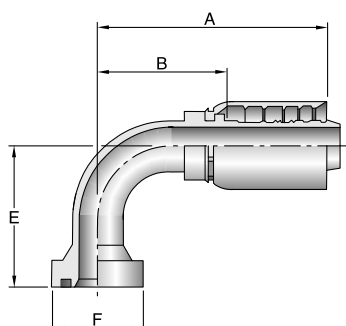


Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1XN77

Caterpillar® Flange Head - 90° Elbow



view on web page

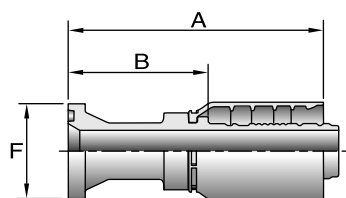
#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XN77-12-12	3/4	3/4	4.23	107,4	2.48	63,0	1-5/8	2.59	65,9
1XN77-12-16	3/4	1	4.41	112,0	2.76	70,0	1-5/8	2.46	62,5
1XN77-16-12	1	3/4	4.23	107,4	2.48	63,0	1-7/8	2.59	65,9
1XN77-16-16	1	1	4.65	118,1	2.91	74,0	1-7/8	2.70	68,6
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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1K577

Komatsu® Flange Head



view on web page

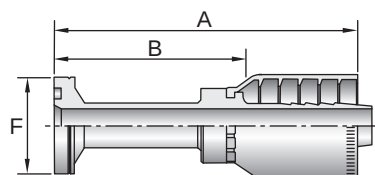
#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
1K577-16-16	1	1	4.70	119,4	1-3/4	2.75	69,9



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

1KA77

Komatsu® High Pressure Flange Head



view on web page

#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

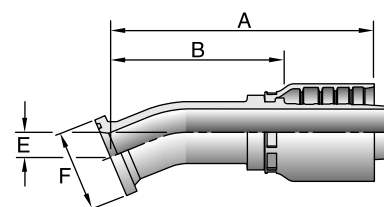
Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1K677

Komatsu® Flange Head - 22-1/2° Elbow

#			A		E			B	
Part Number	inch	inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



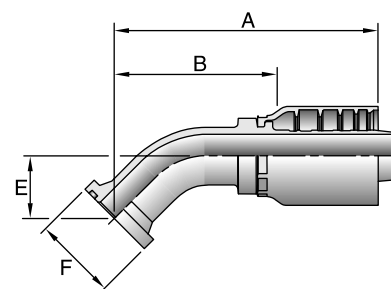
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1K777

Komatsu® Flange Head - 45° Elbow

#			A		E			B	
Part Number	inch	inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



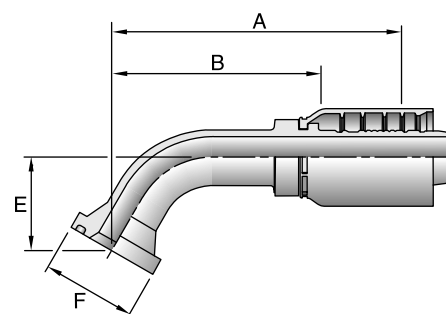
[view on web page](#)

1K377

Komatsu® Flange Head - 60° Elbow

#			A		E			B	
Part Number	inch	inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



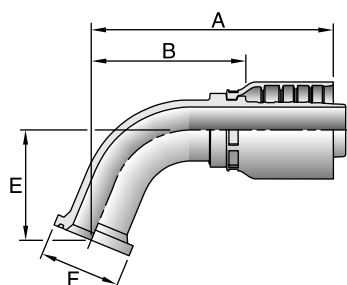
[view on web page](#)

See Accessories Section for O-Rings and Flange Kits.



Refer to Pressure Rating of Hose End Connections Chart on page 482.

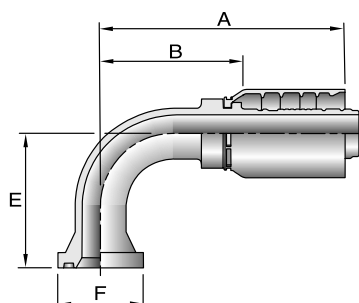
Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1K877**Komatsu® Flange Head - 67-1/2° Elbow**

view on web page

#			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

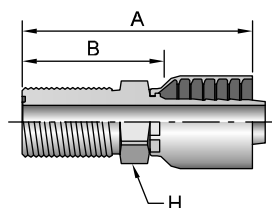
WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1K977**Komatsu® Flange Head - 90° Elbow**

view on web page

#			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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1JB77**Male Seal-Lok® - Bulkhead without Locknut (with O-Ring)**
End Connection per SAE J516 (Apr2016)

view on web page

#			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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1JC77

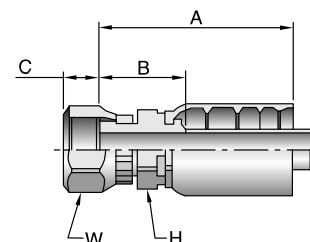
Female Seal-Lok® - Swivel - Short

ISO 12151-1-SWSA

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

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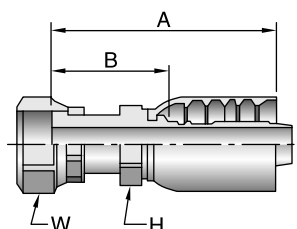
1JS77

Female Seal-Lok® - Swivel - Long

ISO 12151-1-SWSB

#				A						B		Additional Material Stainless Steel (C)
Part Number	Thread inch		Hose I.D. inch	inch	mm	H mm	W mm	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:** The products described in this catalog can expose you to chemicals, including Lead, which is known 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.



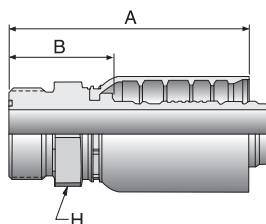
Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1J077

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

ISO 12151-1-S



view on web page

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

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.

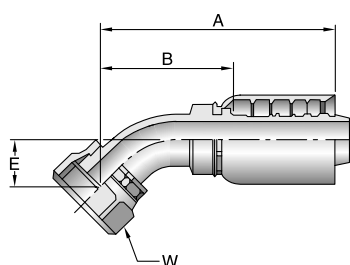


WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1J777

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1-SWE45



view on web page

#			A		E			B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	W 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
1J777-16-16	1 1-7/16x12	1	4.79	121,7	0.94	24	41	2.84	72,1
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



WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

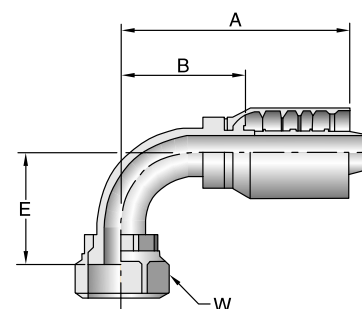
Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1J977**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	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



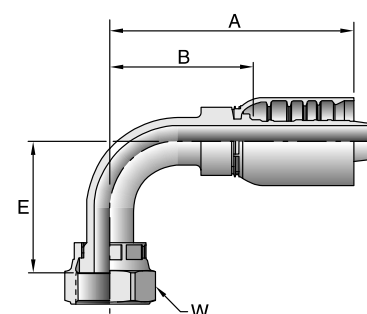
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1J577**Female Seal-Lok® - Swivel - 90° Elbow - Medium Drop**

ISO 12151-1 - SWEM90

#												Additional Material Stainless Steel (C)
Part Number	Thread		Hose I.D.	A		E		W	B			
	inch		inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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.

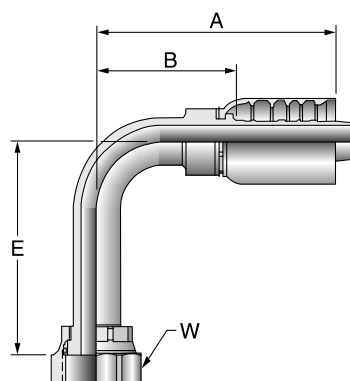


Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

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

ISO 12151-1-SWEL90



view on web page

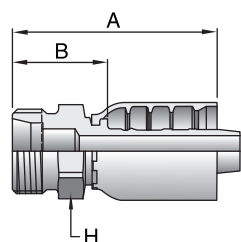
#										Additional Material Stainless Steel (C)
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm	
1J177-8-8	13/16x16	1/2	2.77	70,5	2.52	64	24	1.55	39,5	
1J177-10-10	1x14	5/8	3.21	81,5	2.76	70	30	1.86	47,3	
1J177-12-10	1-3/16x12	5/8	3.21	81,5	3.78	96	36	1.86	47,3	
1J177-12-12	1-3/16x12	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	•



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

End Connection per ISO 8434-1-BHS



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#							
Part Number	Thread mm	Hose I.D. inch	inch	mm	mm	inch	mm
1D277-16-8	M24x1,5	1/2	2.53	64,4	24	1.31	33,4
1D277-20-10	M30x2	5/8	2.85	72,4	30	1.50	38,1
1D277-20-12	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



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See Accessories Section for O-Rings and Flange Kits.



Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1C977

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

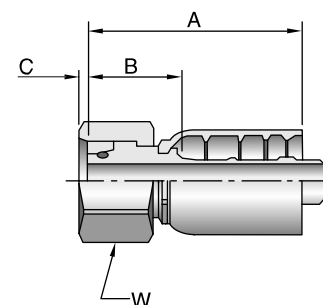
ISO 12151-2-SWS

#			A		C			B		Additional Material Stainless Steel (C)
Part Number	Thread mm	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm	
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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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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10C77

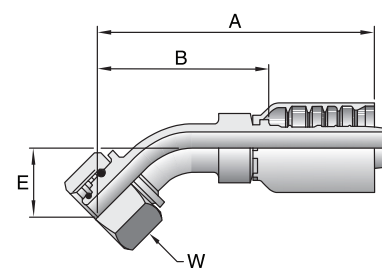
Female Metric S - Swivel - 45° Elbow - (24° Cone with O-Ring)

ISO 12151-2-SWE-45

#										
Part Number	Thread mm	Hose I.D. inch	A 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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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.

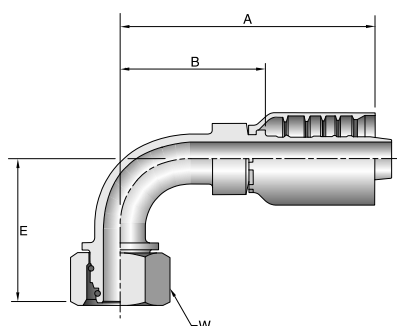


Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST, 487/TC/ST, 787/TC/ST, 797/TC/ST

11C77

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



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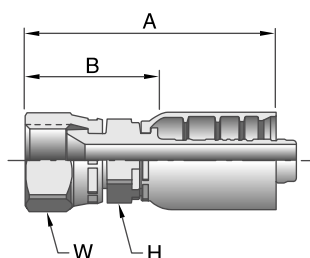
#			A		E			B	
Part Number	Thread mm	Hose I.D. inch	inch	mm	inch	mm	mm	inch	mm
11C77-16-8	M24x1,5	1/2	3.02	76,6	1.77	45	30	1.80	45,6
11C77-20-10	M30x2	5/8	3.62	92,0	2.09	53	36	2.27	57,8
11C77-20-12	M30x2	3/4	4.25	107,9	2.36	60	36	2.61	66,4
11C77-25-12	M36x2	3/4	4.25	107,9	2.32	59	46	2.61	66,4
11C77-25-16	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1FU77

Female BSP Parallel Pipe - Swivel - (30° Flare)
B8363 Code F



[view on web page](#)

#			A				B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	mm	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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

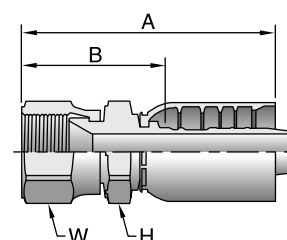
Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1KU77

Female Metric - Swivel - (30° Flare)

#			A				B	
Part Number	Thread mm	Hose I.D. inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



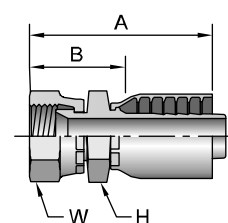
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1MU77

Female Metric - Swivel - (30° Flare)

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

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



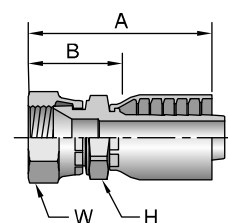
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1XU77

Female Metric - Swivel - (30° Flare)

#			A				B	
Part Number	Thread mm	Hose I.D. inch	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



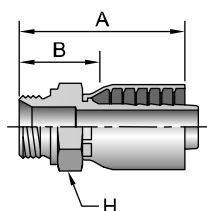
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See Accessories Section for O-Rings and Flange Kits.



Refer to Pressure Rating of Hose End Connections Chart on page 482.

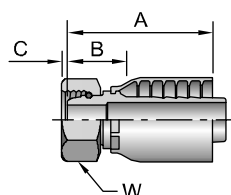
Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

1D977**Male BSP Parallel Pipe - Rigid - (60° Cone)**
[view on web page](#)

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



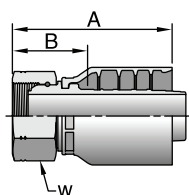
WARNING: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

19277**Female BSP Parallel Pipe - Swivel - (60° Cone)**
[view on web page](#)

#									
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	W 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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1EA77**Female BSP Parallel Pipe - Swivel - (60° Cone with O-Ring)**
[view on web page](#)

#							
Part Number	Thread inch	Hose I.D. inch	inch	mm	W 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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

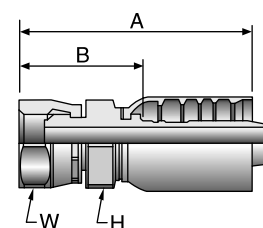
1GU77

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

#			A				B	
Part Number	Thread inch	Hose I.D. inch	inch	mm	H mm	W 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: The products described in this catalog can expose you to chemicals, including Lead, which is known 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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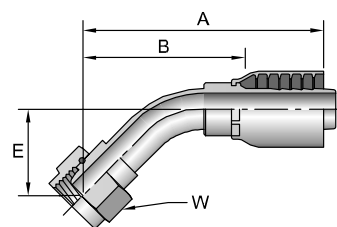
1B177

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

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



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



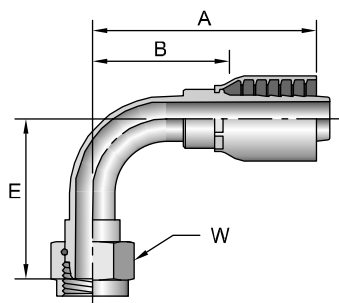
[view on web page](#)

See Accessories Section for O-Rings and Flange Kits.



Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

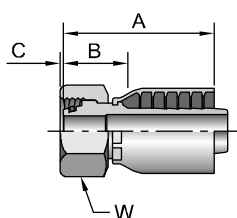
1B277**Female BSP Parallel Pipe - Swivel - 90° Elbow (60° Cone)**

view on web page

#										Additional Material Stainless Steel (C)
Part Number	Thread inch	Hose I.D. inch	inch	mm	inch	mm	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

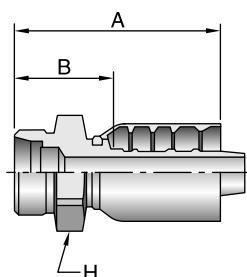
1CA77**Female Metric L - Swivel - (24° Cone with O-Ring)**

view on web page

#								
Part Number	Thread mm	Hose I.D. inch	inch	mm	mm	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	M45x2	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: The products described in this catalog can expose you to chemicals, including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1ZM77**Male 24° Cone Metric - Rigid**

view on web page

#							
Part Number	Thread mm	Hose I.D. inch	inch	mm	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



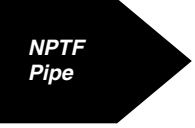
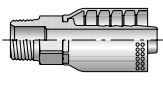
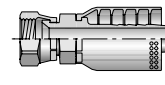
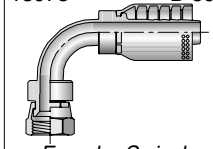
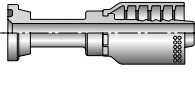
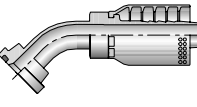
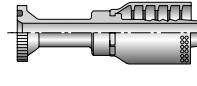
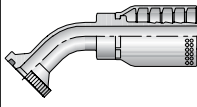
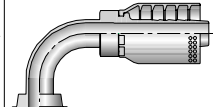
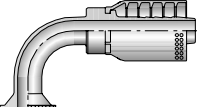
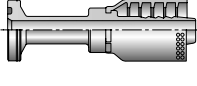
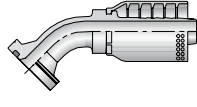
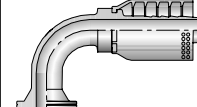
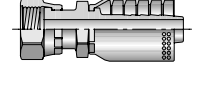
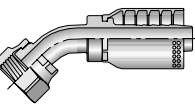
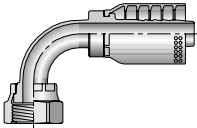
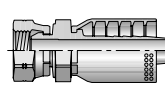
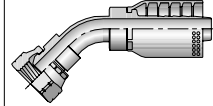
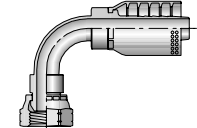
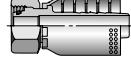
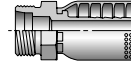
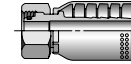
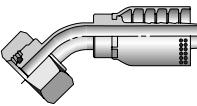
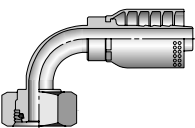
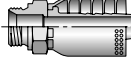
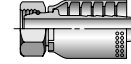
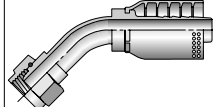
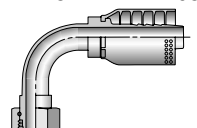
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See Accessories Section for O-Rings and Flange Kits.



Refer to Pressure Rating of Hose End Connections Chart on page 482.

Use with hoses: 387/TC/ST,
487/TC/ST, 787/TC/ST, 797/TC/ST

 NPTF Pipe	10173 B-86  <i>Male - Rigid</i>	 JIC 37°	10673 B-86  <i>Female - Swivel</i>	13973 B-86  <i>Female - Swivel 90° Elbow - Short</i>	 Code 61 Flange
11573 B-86  <i>Flange</i>	11773 B-87  <i>45° Elbow</i>	14A73 B-87  <i>Flange (5000 psi)</i>	14F73 B-87  <i>45° Elbow (5000 psi)</i>	11973 B-87  <i>90° Elbow</i>	14N73 B-88  <i>90° Elbow (5000 psi)</i>
 Code 62 Flange	16A73 B-88  <i>Flange</i>	16F73 B-88  <i>45° Elbow</i>	16N73 B-88  <i>90° Elbow</i>	 Seal-Lok® (O-Ring Face Seal)	1JS73 B-89  <i>Female - Swivel Long</i>
1J773 B-89  <i>Female - Swivel 45° Elbow</i>	1J973 B-89  <i>Female - Swivel 90° Elbow - Short</i>	 BSP 60° Cone	1GU73 B-90  <i>Female - Swivel</i>	1G173 B-90  <i>Female - Swivel 45° Elbow</i>	1G273 B-90  <i>Female - Swivel 90° Elbow</i>
 DIN "L" Series	1CA73 B-91  <i>Female Metric L - Swivel</i>	 DIN "S" Series	1D273 B-91  <i>Male Metric S - Rigid</i>	1C973 B-91  <i>Female Metric S - Swivel</i>	10C73 B-91  <i>Female Metric S - Swivel</i>
11C73 B-92  <i>Female Metric S - Swivel</i>	 BSP 60° Cone	1D973 B-92  <i>Male BSP - Parallel Pipe - Rigid</i>	19273 B-92  <i>Female BSP - Parallel Pipe - Swivel</i>	1B173 B-93  <i>Female BSP - Parallel Pipe - Swivel</i>	1B273 B-93  <i>Female BSP - Parallel Pipe - Swivel</i>

A

B

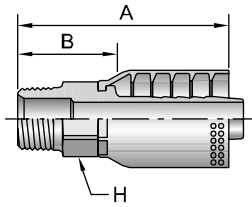
C

D

E

10173

Male NPTF Pipe - Rigid

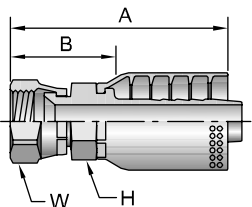


#	Thread	Hose I.D.	A		H	B	
Part Number	inch	inch	inch	mm	inch	inch	mm
10173-12-12	3/4x14	3/4	3.56	90	1-1/8	1.75	44
10173-16-16	1x11-1/2	1	3.94	100	1-3/8	2.00	51
10173-20-20	1-1/4x11-1/2	1-1/4	4.92	125	1-3/4	2.43	62
10173-24-24	1-1/2x11-1/2	1-1/2	4.88	124	2	2.57	65
10173-32-32	2x11-1/2	2	5.57	141	2-1/2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

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

10673

Female JIC 37° - Swivel

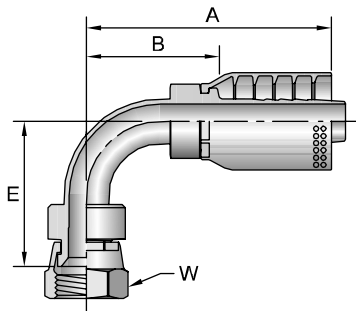


#	Thread		Hose I.D.	A		H	W	B	
Part Number	inch	inch	inch	inch	mm	inch	inch	inch	mm
10673-12-12	3/4	1-1/16x12	3/4	3.66	93	1-1/8	1-1/4	1.85	47
10673-16-12	1	1-5/16x12	3/4	3.90	99	1-3/8	1-1/2	2.09	53
10673-16-16	1	1-5/16x12	1	4.03	102	1-3/8	1-1/2	2.09	53
10673-20-20	1-1/4	1-5/8x12	1-1/4	4.93	125	1-3/4	2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

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

13973

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



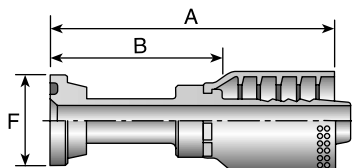
#	Thread		Hose I.D.	A		E		W	B	
Part Number	inch	inch	inch	inch	mm	inch	mm	inch	inch	mm
13973-12-12	3/4	1-1/16x12	3/4	4.12	105	2.44	62	1-1/4	2.31	59
13973-16-16	1	1-5/16x12	1	4.71	120	2.93	74	1-1/2	2.77	70

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

11573

SAE Code 61 Flange Head

ISO 12151-3 - S - L



#	Flange	Hose I.D.	A		F	B	
Part Number	inch	inch	inch	mm	inch	inch	mm
11573-12-12	3/4	3/4	4.34	110.2	1-1/2	2.53	64.3
11573-16-16	1	1	4.59	117	1-3/4	2.65	67

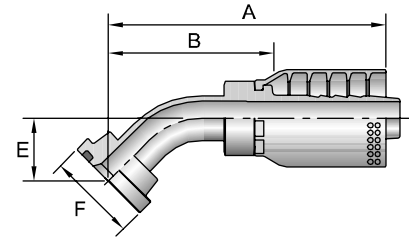
See Accessories Section for O-Rings and Flange Kits.

11773

SAE Code 61 Flange Head - 45° Elbow

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

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

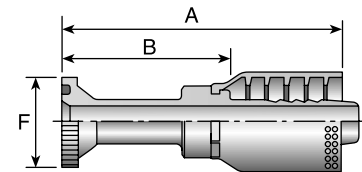


14A73

SAE Code 61 Flange Head - 5000 psi

ISO 12151-3 - S - L

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

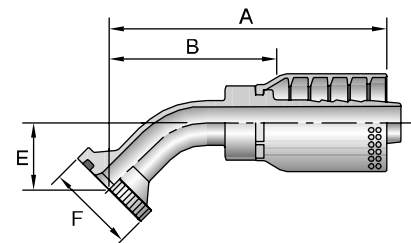


14F73

SAE Code 61 Flange Head - 45° Elbow - 5000 psi

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

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

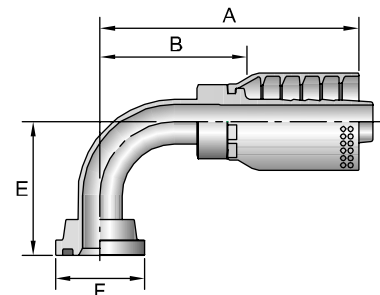


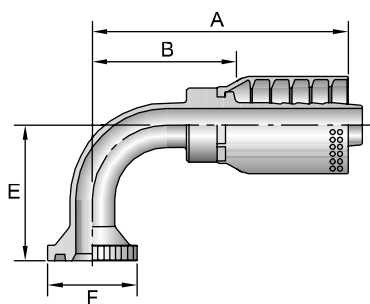
11973

SAE Code 61 Flange Head - 90° Elbow

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

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





14N73

SAE Code 61 Flange Head - 90° Elbow - 5000 psi

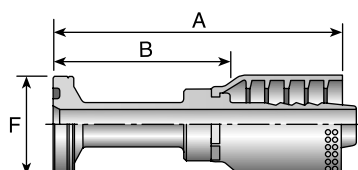
ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

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

16A73

SAE Code 62 Flange Head

ISO 12151-3 - S - S

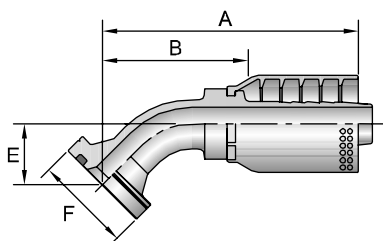


#	Flange	Hose I.D.	A		F	B	
Part Number	inch	inch	inch	mm	inch	inch	mm
16A73-12-12	3/4	3/4	4.60	117	1-5/8	2.79	71
16A73-16-16	1	1	5.16	131	1-7/8	3.22	82
16A73-20-16	1-1/4	1	3.95	100	2-1/8	2.01	51
16A73-20-20	1-1/4	1-1/4	5.85	149	2-1/8	3.36	85
16A73-24-24	1-1/2	1-1/2	6.54	166	2-1/2	4.23	107
16A73-32-32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

16F73

SAE Code 62 Flange Head - 45° Elbow

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

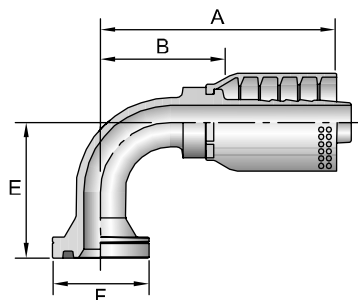


#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
16F73-12-12	3/4	3/4	4.31	109	1.02	26	1-5/8	2.50	64
16F73-16-16	1	1	5.01	127	1.26	32	1-7/8	3.07	78
16F73-20-20	1-1/4	1-1/4	6.39	162	1.50	38	2-1/8	3.90	99

16N73

SAE Code 62 Flange Head - 90° Elbow

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



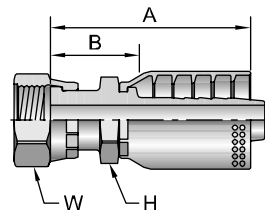
#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
16N73-12-12	3/4	3/4	3.97	101	2.28	58	1-5/8	2.16	55
16N73-16-16	1	1	4.63	118	2.76	70	1-7/8	2.69	68
16N73-20-20	1-1/4	1-1/4	6.09	151	3.54	90	2-1/8	3.60	91
16N73-24-24	1-1/2	1-1/2	6.52	166	4.09	104	2-1/2	4.21	107
16N73-32-32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

1JS73

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

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

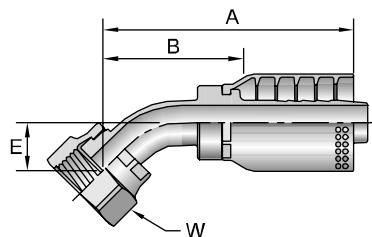


1J773

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45

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

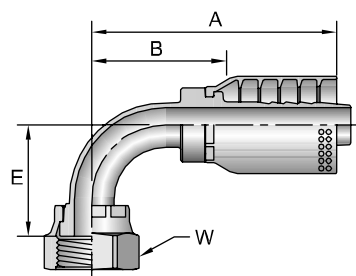


1J973

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

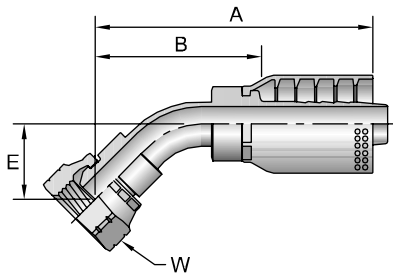
ISO 12151-1 - SWES90

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



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

A

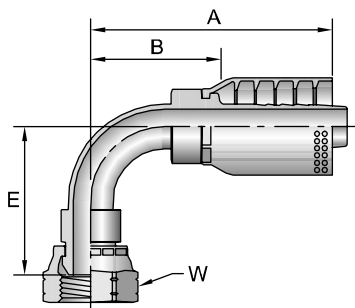


1G173

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

#									
Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	mm	inch	mm
1G173-12-12	3/4x14	3/4	4.77	121,2	1.35	34,4	36	2.96	75,2
1G173-16-16	1x11	1	5.36	136,1	1.52	38,7	41	3.42	86,9

B

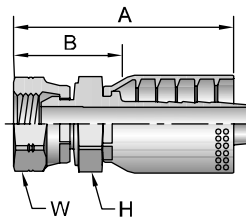


1G273

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

#									
Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	mm	inch	mm
1G273-12-12	3/4x14	3/4	4.12	104,6	2.62	66,6	36	2.31	58,7
1G273-16-16	1x11	1	4.71	119,6	3.04	77,2	41	2.77	70,4

C



1GU73

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

#			A				B	
Part Number	Thread	Hose I.D.	inch	mm	H	W	inch	mm
1GU73-12-12	3/4x14	3/4	3.76	95,5	36	36	1.95	49,5
1GU73-16-16	1x11	1	4.14	105	41	41	2.20	56

D

E

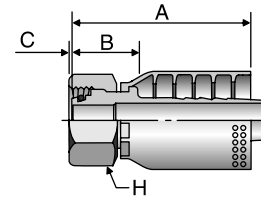
Metric S: Mates with EO "S" Series Fittings

1CA73

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

ISO 12151-2 - SWS

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

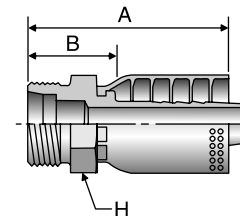


1D273

Male Metric S - Rigid - (24° Cone)

ISO 12151-2

# Part Number	Thread mm	Hose I.D. inch	A		H	B	
			inch	mm	mm	inch	mm
1D273-20-12	20 M30x2	3/4	3.31	84	30	1.42	36
1D273-25-12	25 M36x2	3/4	3.39	86	36	1.50	38
1D273-30-16	30 M42x2	1	3.70	94	46	1.73	44
1D273-38-20	38 M52x2	1-1/4	4.41	112	55	1.89	48

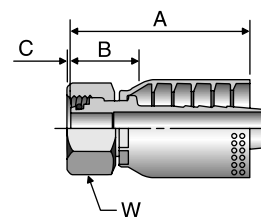


1C973

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

ISO 12151-2 - SWS

# Part Number	Thread mm	Hose I.D. inch	A		C		W	B	
			inch	mm	inch	mm	mm	inch	mm
1C973-20-12	20 M30x2	3/4	3.19	81	0.05	1.3	36	1.30	33
1C973-25-12	25 M36x2	3/4	3.15	80	0.09	2.3	46	1.26	32
1C973-25-16	25 M36x2	1	3.43	87	0.09	2.3	46	1.42	36
1C973-30-16	30 M42x2	1	3.43	87	0.19	4.8	50	1.42	36
1C973-30-20	30 M42x2	1-1/4	4.17	106	0.19	4.8	50	1.65	42
1C973-38-20	38 M52x2	1-1/4	4.02	102	0.23	5.8	60	1.38	35

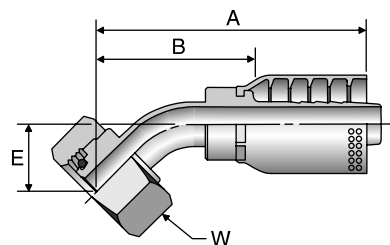


10C73

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

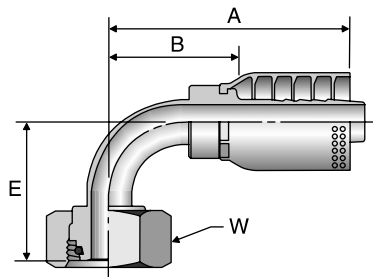
ISO 12151-2 - SWE45 - S

# Part Number	Thread mm	Hose I.D. inch	A		E		W	B	
			inch	mm	inch	mm	mm	inch	mm
10C73-20-12	20 M30x2	3/4	4.41	112	1.10	28	36	2.52	64
10C73-25-12	25 M36x2	3/4	4.45	113	1.14	29	46	2.56	65
10C73-30-16	30 M42x2	1	5.16	131	1.34	34	50	3.19	81



11C73

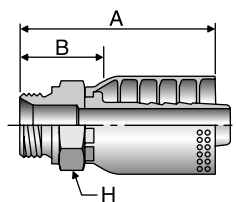
Female Metric S - Swivel - 90° Elbow - (24° Cone with O-Ring)
ISO 12151-2 - SWE - S



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

1D973

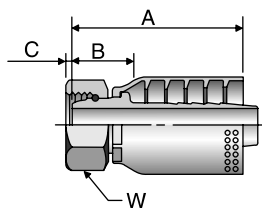
Male BSP Parallel Pipe - Rigid - (60° Cone)
ISO 228-1



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

19273

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



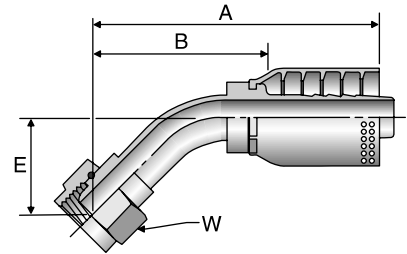
# Part Number	Thread inch	Hose I.D. inch	A inch mm		C inch mm		W mm	B inch mm	
19273-12-12	3/4x14	3/4	3.03	77	0.46	11.7	32	1.14	29
19273-16-16	1x11	1	3.50	89	0.44	11.2	41	1.50	38
19273-20-20	1-1/4x11	1-1/4	3.98	101	0.52	13.2	50	1.46	37

1B173

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

ISO 228-1

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



1B273

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

ISO 228-1

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

