

Minimizing downtime with repair and replacement options

Reusable and field attachable fittings



Powering Business Worldwide

Hose fittings – Reusable

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Hose fittings – Reusable

How to order

How to order-Reusable fittings

Accurate processing and prompt delivery of your order depend on easy identification of your requirements. Please order Eaton parts using correct part numbers as described in this catalog. Inquiries and orders should be directed to your Aeroquip Distributor or:

Eaton Hydraulics
14615 Lone Oak Road
Eden Prairie, MN 55344
952-937-9800;
888-258-0222;
Fax: 952-974-7722
www.eaton.com/hydraulics

Part numbers and Dash sizes

Dash size designates the nominal size in 16ths of an inch. This number immediately follows the part number and is separated from it with a dash.

Fittings with “FC” or “FJ” part numbers will have the size expressed in four numerals. The first two numerals indicate the size of the connecting end and the second two numerals indicate the size of the hose end. All other fittings are followed by a dash number which is the nominal size of the fitting expressed in 16ths of an inch. Where two dash numbers are given, the first one generally indicates the pipe or port size and the second indicates the tube or hose size. The hose dash number should always be the same as the last dash number on the fitting.

Reusable fittings

Fittings are ordered as complete assemblies.

Complete number: **412- 8 10 S**

Basic part number _____
Pipe or port size (in 16ths of an inch) _____
Mating hose size _____
Material designation suffix _____

Material Designation

Most fittings in this catalog have a material designation as part of the part number. An explanation is shown below.

Prefix Designations

- 38 Brass nipple, steel socket
- 44 Bronze nipple and nut: brass socket
- 63 Brass nipple, steel nut and socket
- 259 316 Stainless steel
- 449 Malleable iron

Suffix Designations

- B Brass
- C Stainless steel
- D Aluminum alloy
- S Steel

Dimensions

Dimensions given in this catalog for Eaton brand products are approximate and should be used for reference only. Exact dimensional information for a given product is subject to change and varying tolerances; contact Eaton directly for full current information.

Globally standardized pressure ratings

Eaton has standardized hose burst and operating pressure ratings in cataloging, worldwide. This move toward standardization will slightly alter some of the pressures ratings listed for hoses in this catalog as pressures are rounded off. This is a paper conversion only. This action has no effect on the actual testing and certification of Eaton hoses to stringent product standards.

Warning

Eaton manufactures the terminal ends of our hose fittings to the appropriate requirements established by the SAE. Therefore, the performance ratings of these hose fittings meet the SAE requirements. It is possible to order a hose assembly with a fitting terminal end that has a performance rating lower than the hose rating. When ordering hose assemblies, please keep the terminal end performance rating in mind since this may affect overall hose assembly performance.

Many hose assembly components (hose and fittings) are easily assembled in the field. However, factory assembled swaged, crimped and reusable hose assemblies are available. For complete information, contact Eaton.

Mixing/Matching

EATON FITTING TOLERANCES ARE ENGINEERED TO MATCH AEROQUIP HOSE TOLERANCES. THE USE OF EATON FITTINGS ON HOSE SUPPLIED BY OTHER MANUFACTURERS AND/OR THE USE OF AEROQUIP HOSE WITH FITTINGS SUPPLIED BY OTHER MANUFACTURERS' BRANDS MAY RESULT IN THE PRODUCTION OF UNRELIABLE AND UNSAFE HOSE ASSEMBLIES AND IS NEITHER RECOMMENDED NOR AUTHORIZED BY EATON.

EATON SHALL NOT BE SUBJECT TO AND DISCLAIMS ANY OBLIGATIONS OR LIABILITIES (INCLUDING BUT NOT LIMITED TO ALL CONSEQUENTIAL, INCIDENTAL AND CONTINGENT DAMAGES) ARISING OUT OF BREACH OF CONTACT OR OF WARRANTY OR ARISING FROM TORT CLAIMS (INCLUDING WITHOUT LIMITATION NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES OF LAW WITH RESPECT TO ANY HOSE ASSEMBLIES NOT PRODUCED FROM GENUINE EATON HOSE FITTINGS, HOSE AND EATON APPROVED EQUIPMENT, AND IN CONFORMANCE WITH EATON PROCESS AND PRODUCT INSTRUCTIONS FOR EACH SPECIFIC HOSE ASSEMBLY.

FAILURE TO FOLLOW EATON PROCESS AND PRODUCT INSTRUCTIONS AND LIMITATIONS COULD LEAD TO PREMATURE HOSE ASSEMBLY FAILURES RESULTING IN PROPERTY DAMAGE, SERIOUS INJURY OR DEATH.














Reusable Socket Data

Socket to hose correction combinations

Use of the correct Eaton socket with a given Aeroquip hose is essential for proper assembly and performance.

Virtually all Eaton hose sockets are marked with the socket part number and dash size. Using this number, from the table below, the

correct hose or hoses may be found and dash sizes matched, to assure the correct combination.

Reusable sockets	Socket base part number	Aeroquip hose base part number	Dash sizes	Reusable sockets	Socket base part number	Aeroquip hose base part number	Dash sizes
	1206	2807, FC465 S-TW	all		4013	2781 FC195	-16 -16
	1208	2808	all		FC2383	GH493	-8, -16 -20, -24
	1210	303, 1503, 2580, 2651, FC234, FC300, FC321, FC350, FC355,	-4 to -12		FC2542	GH493	-04 to -16
	1212	302A, 1503, 1540, 2580, 2651, FC234, FC300, FC321, FC350, FC355,	-16 to -48		FC2642	FC310 FC510	all -04 to -16
	1214	2550, 2554, 2570	-6, -8		FC2652	GH793	-04 to -16
	1219	1531, 1531A	all				
	4007	GH493	-6, -12				
	4010	2781 FC195	-4 to -12 -20 to -32 -4 to -12 -20 to -32				

Hose fittings – Reusable

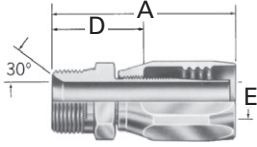
SAE 100R5 style

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

100R5 style

Male pipe

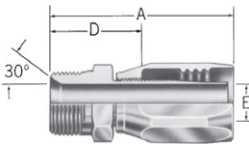
412-
44-412-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
412-								
†2-4S*	-04	1/8-27	42,7	1.68	23,4	.92	4,3	0.17
†4-4S*	-04	1/4-18	47,2	1.86	28,2	1.11	4,3	0.17
2-5S*	-05	1/8-27	45,2	1.78	25,4	1.00	5,8	0.23
†4-5S*	-05	1/4-18	49,8	1.96	30,0	1.18	5,8	0.23
†4-6S*	-06	1/4-18	54,1	2.13	31,2	1.23	7,6	0.30
†6-6S*	-06	3/8-18	54,1	2.13	31,2	1.23	6,1	0.24
†6-8S*	-08	3/8-18	63,0	2.48	33,8	1.33	9,9	0.39
†8-8S*	-08	1/2-14	69,3	2.73	40,1	1.58	9,1	0.36
†8-10S*	-10	1/2-14	73,2	2.88	40,4	1.59	12,2	0.48
12-10S*	-10	3/4-14	74,7	2.94	41,9	1.65	12,2	0.48
†12-12S*	-12	3/4-14	82,3	3.24	42,4	1.67	15,5	0.61
†12-16S	-16	3/4-14	71,1	2.80	38,9	1.53	20,8	0.82
†16-16S	-16	1-11 1/2	75,9	2.99	43,7	1.72	20,8	0.82
†16-20S	-20	-11 1/2	81,3	3.20	46,7	1.72	24,1	0.95
†20-20S	-20	1 1/4-11 1/2	82,0	3.23	47,5	1.87	26,7	1.05
†20-24S	-24	1 1/4-11 1/2	90,9	3.58	53,8	2.12	32,5	1.28
†24-24S	-24	1 1/2-11 1/2	88,4	3.48	51,6	2.03	32,5	1.28
†32-32S	-32	2-11 1/2	102,9	4.05	55,9	2.20	44,5	1.75
44-412-								
40-40	-40	2 1/2-8	127,8	5.03	79,5	3.13	53,8	2.12
48-48	-48	3-8	129,3	5.09	81,0	3.19	68,3	2.69

Male pipe

4412-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4412-								
2-4S	-04	1/8-27	42,7	1.68	23,6	.93	3,3	0.13
4-4S	-04	1/4-18	47,5	1.87	28,4	1.12	3,3	0.13
4-5S	-05	1/4-18	49,8	1.96	30,0	1.18	4,3	0.17
4-6S†	-06	1/4-18	54,1	2.13	31,2	1.23	6,1	0.24
6-6S	-06	3/8-18	54,1	2.13	31,2	1.23	5,8	0.23
4-8S	-08	1/4-18	63,0	2.48	33,8	1.33	7,6	0.30
6-8S	-08	3/8-18	63,0	2.48	33,8	1.33	9,1	0.36
8-8S	-08	1/2-14	69,3	2.73	40,1	1.58	9,1	0.36
8-10S	-10	1/2-14	73,2	2.88	40,4	1.59	11,7	0.46
12-10S	-10	3/4-14	74,7	2.94	41,9	1.65	11,7	0.46
8-12S	-12	1/2-14	82,3	3.24	42,7	1.68	12,4	0.49
12-12S	-12	3/4-14	82,3	3.24	42,4	1.67	14,0	0.55

*Requires tools for assembly

† Also supplied in brass. To order, substitute "B" for "S" in part number

††† Available in stainless steel. To order, drop the "S" suffix and add "259-" prefix

Note: For correct socket part number, see page I-3.

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

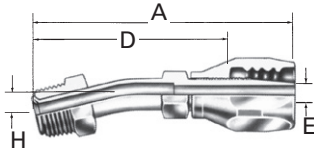
Hose fittings – Reusable

SAE 100R5 style

100R5 style

15° elbow SAE male inverted flare

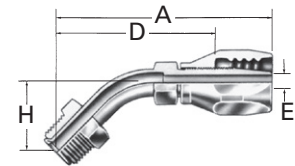
190350-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190350-										
6S	-06	5/8-18	82,8	3.26	59,9	2.36	6,1	0.24	9,4	0.37

45° elbow SAE male inverted flare

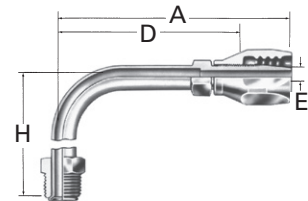
190371-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190371-										
4S	-04	7/16-20	69,6	2.74	50,5	1.99	3,3	0.13	24,4	0.96
5S	-05	1/2-20	73,7	2.90	53,8	2.12	4,3	0.17	24,4	0.96
5-6S	-06	1/2-20	76,2	3.00	53,3	2.10	6,1	0.24	24,4	0.96
6S	-06	5/8-18	76,2	3.00	53,3	2.10	6,1	0.24	24,4	0.96
8S	-08	3/4-18	86,1	3.39	56,9	2.24	9,1	0.36	23,6	0.93
10S	-10	7/8-18	95,0	3.74	62,0	2.44	11,7	0.46	26,2	1.03

90° elbow (short) SAE male inverted flare

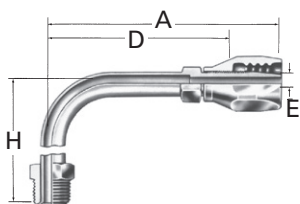
190235-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190235-										
4S	-04	7/16-24	59,9	2.36	41,1	1.62	3,3	0.13	42,9	1.69
5S	-05	1/2-20	64,3	2.53	44,5	1.75	4,6	0.18	42,9	1.69
5-6S	-06	1/2-20	66,8	2.63	43,9	1.73	6,1	0.24	43,9	1.73
6S	-06	5/8-18	66,8	2.63	43,9	1.73	6,1	0.24	43,9	1.73
7-6S	-06	11/16-18	66,8	2.63	43,9	1.73	6,1	0.24	43,9	1.73
6-8S	-08	5/8-18	77,2	3.04	48,0	1.89	7,1	0.28	43,9	1.73
7-8S	-08	11/16-18	77,2	3.04	48,0	1.89	7,1	0.28	43,9	1.73
8S	-08	3/4-18	77,2	3.04	48,0	1.89	9,1	0.36	44,5	1.75
10S	-10	7/8-18	87,4	3.44	54,6	2.15	11,7	0.46	56,4	2.22

90° elbow (long) SAE male inverted flare

190325-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190325-										
6S	-06	5/8-18	93,2	3.67	70,4	2.77	6,1	0.24	69,3	2.73

Hose fittings – Reusable

SAE 100R5 style

ORS swivel straight

FJ9706-

Dash size	Hose size	"T" Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ9706-								
0404S	-04	9/16-18	53,1	2.09	34,0	1.34	3,3	0.13
0606S	-06	11/16-16	61,7	2.43	38,9	1.53	6,1	0.24
0808S	-08	13/16-16	79,5	3.13	50,8	1.98	9,1	0.36
1010S	-10	1-14	85,6	3.37	52,8	2.08	11,7	0.46
1212S	-12	1 3/16-12	93,5	3.68	53,6	2.11	14,0	0.55
1616S	-16	1 7/16-12	88,9	3.50	56,6	2.23	20,8	0.82
2020S	-20	1 11/16-12	92,5	3.64	57,9	2.28	26,7	1.05
2424S	-24	2-12	98,0	3.86	60,9	2.40	32,0	1.26

ORS swivel 45° elbow

FJ9707-

Dash size	Hose size	"T" Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9707-										
0404S	-04	9/16-18	49,8	1.96	30,7	1.21	3,3	0.13	10,4	0.41
0606S	-06	11/16-16	57,7	2.27	34,8	1.37	5,6	0.22	10,9	0.43
0808S	-08	13/16-16	77,0	3.03	47,8	1.88	9,1	0.36	15,0	0.59
1010S	-10	1-14	85,9	3.38	52,8	2.08	11,7	0.46	16,5	0.65
1212S	-12	1 3/16-12	97,5	3.84	57,7	2.27	14,0	0.55	21,1	0.83
1616S	-16	1 7/16-12	91,9	3.62	59,7	2.35	19,3	0.76	23,9	0.94
2020S	-20	1 11/16-12	103,9	4.09	69,1	2.72	25,7	1.01	25,4	1.00
2424S	-24	2-12	109,7	4.32	72,9	2.87	32,0	1.26	27,2	1.07

ORS swivel 90° elbow (short drop)

FJ9708-

Dash size	Hose size	"T" Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9708-										
0404S	-04	9/16-18	45,7							

Note: For correct socket part number, see page I-3.

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

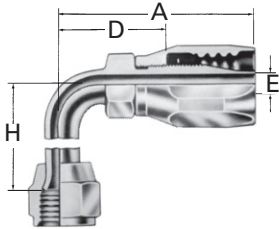
Hose fittings – Reusable

SAE 100R5 style

100R5 style

90° elbow (long)

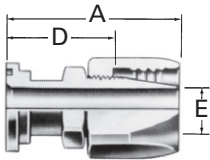
190295-Universal swivel
190301-SAE 45° swivel,
190260-SAE 37° (JIC) swivel



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190295-										
4S	-04	7/16-20	44,2	1.74	25,1	0.99	3,3	0.13	45,7	1.80
5S	-05	1/2-20	49,8	1.96	30,0	1.18	4,6	0.18	45,0	1.77
8S	-08	3/4-16	73,2	2.88	43,9	1.73	9,1	0.36	61,7	2.43
10S	-10	7/8-14	81,0	3.19	48,3	1.90	11,7	0.46	65,3	2.57
10-12S	-12	7/8-14	88,6	3.49	48,8	1.92	12,2	0.48	65,3	2.57
190301-										
6S	-06	5/8-18	54,1	2.13	31,2	1.23	6,1	0.24	55,4	2.18
12S	-12	1 1/16-14	95,0	3.74	55,1	2.17	14,0	0.55	94,7	3.73
190260-										
6S	-06	9/16-18	54,1	2.13	31,2	1.23	6,1	0.24	55,4	2.18
12S	-12	1 1/16-12	95,0	3.74	55,1	2.17	14,0	0.55	94,7	3.73
16S	-16	1 5/16-12	90,2	3.55	57,9	2.28	20,8	0.82	116,3	4.58
20S	-20	1 5/8-12	102,1	4.02	67,3	2.65	26,7	1.05	140,5	5.53

Code 61 SAE J518 straight split flange

4775-



Dash size	Hose size	Flange head dia.		A		D		EØ	
		mm	in	mm	in	mm	in	mm	in
4775-									
12S	-12	38,1	1.50	80,3	3.16	40,4	1.59	14,0	0.55
16S	-16	44,5	1.75	70,4	2.77	38,1	1.50	20,8	0.82
20-16S	-16	50,8	2.00	85,3	3.36	53,1	2.09	20,8	0.82
16-20S	-20	44,5	1.75	75,9	2.99	41,1	1.62	20,8	0.82
20S	-20	50,8	2.00	90,9	3.58	56,1	2.21	26,7	1.05
32-20S	-20	71,4	2.81	92,5	3.64	57,9	2.28	26,7	1.05
16-24S*	-24	44,5	1.75	94,7	3.73	57,9	2.28	20,8	0.82
20-24S	-24	50,8	2.00	93,2	3.67	56,4	2.22	26,7	1.05
24S	-24	60,5	2.38	102,1	4.02	65,0	2.56	32,5	1.28
32-24S	-24	71,4	2.81	102,1	4.02	65,0	2.56	32,5	1.28
24-32S	-32	60,5	2.38	112,3	4.42	65,5	2.58	34,8	1.37
32S	-32	71,4	2.81	125,0	4.92	78,2	3.08	44,5	1.75
40-32S	-32	84,1	3.31	126,5	4.98	79,8	3.14	44,5	1.75
40**	-40	84,1	3.31	136,1	5.36	87,6	3.45	56,1	2.21

*MTO Made to order

**Order as 39-4775-40

Note: For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

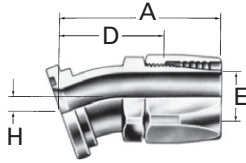
Hose fittings – Reusable

SAE 100R5 style

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

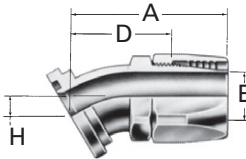
100R5 style

Code 61 SAE J518
22 1/2° split flange
4776-



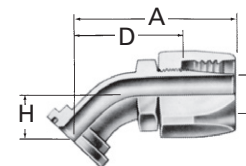
Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
4776-											
32-20S*	-20S	71,4	2.81	98,6	3.88	63,8	2.51	26,7	1.05	13,2	0.52
32S	-32	71,4	2.81	116,6	4.59	69,9	2.75	44,5	1.75	12,7	0.50

Code 61 SAE J518
30° split flange
198046-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
190846-											
20-16S*	-16	50,8	2.00	84,3	3.32	52,1	2.05	20,8	0.82	12,7	0.50
24S	-24	60,5	2.38	100,6	3.96	63,8	2.51	32,5	1.28	14,7	0.58
32S	-32	71,4	2.81	118,9	4.68	72,1	2.84	44,5	1.75	16,5	0.65

Code 61 SAE J518
45° split flange
4777-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
4777-											
12S	-12	38,1	1.50	102,1	4.02	62,2	2.45	14,0	0.55	25,4	1.00
16-12S*	-12	44,5	1.75	102,1	4.02	62,2	2.45	14,0	0.55	25,4	1.00
16S	-16	44,5	1.75	96,5	3.80	64,3	2.53	20,8	0.82	28,4	1.12
16-20S*	-20	44,5	1.75	101,9	4.01	67,3	2.65	20,8	0.82	28,4	1.12
20S	-20	50,8	2.00	104,6	4.12	69,9	2.75	26,7	1.05	28,4	1.12
32-20S	-20	46,0	1.81	105,7	4.16	71,1	2.80	26,7	1.05	29,7	1.17
24S	-24	60,5	2.38	111,3	4.38	74,2	2.92	32,5	1.28	28,4	1.12
24-32S	-32	60,5	2.38	121,4	4.78	74,7	2.94	34,8	1.37	28,4	1.12
32-24S	-24	71,4	2.81	111,3	4.38	74,2	2.92	32,5	1.28	28,4	1.12
32S	-32	71,4	2.81	131,6	5.18	84,6	3.33	44,5	1.75	31,8	1.25
40-32S	-32	84,1	3.31	132,6	5.22	85,9	3.38	44,5	1.75	33,0	1.30
40**	-40	84,1	3.31	167,1	6.58	118,6	4.67	56,1	2.21	42,1	1.66

*MTO Made to order

**Order as 39-4777-40

For correct socket part number, see page I-3.

Note: For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

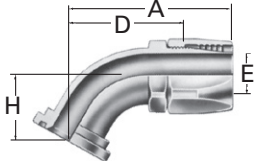
Hose fittings – Reusable

SAE 100R5 style

100R5 style

Code 61 SAE J518 60° split flange

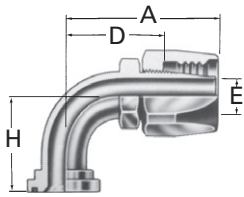
191395-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
191395-											
24S	-24	60,5	2.38	120,1	4.73	83,3	3.28	32,5	1.28	50,8	2.00

Code 61 SAE J518 90° split flange

4779-

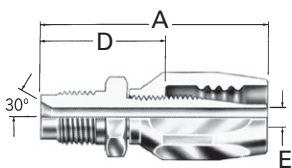


Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
4779-											
8S	-08	30,2	1.19	73,2	2.88	43,9	1.73	9,1	0.36	41,1	1.62
12S	-12	38,1	1.50	95,0	3.74	55,1	2.17	14,0	0.55	53,8	2.12
16-12S	-12	44,5	1.75	95,0	3.74	55,1	2.17	14,0	0.55	53,8	2.12
16S	-16	44,5	1.75	90,2	3.55	57,9	2.28	20,8	0.82	60,5	2.38
20-16S	-16	50,8	2.00	90,2	3.55	57,9	2.28	20,8	0.82	60,5	2.38
16-20S	-20	44,5	1.75	95,5	3.76	60,9	2.40	20,8	0.82	60,5	2.38
20S	-20	50,8	2.00	102,1	4.02	67,3	2.65	26,7	1.05	63,5	2.50
24-20S	-20	60,5	2.38	102,1	4.02	67,3	2.65	26,7	1.05	63,5	2.50
32-20S	-20	71,4	2.81	102,1	4.02	67,3	2.65	26,7	1.05	65,0	2.56
20-24S	-24	50,8	2.00	104,4	4.11	67,6	2.66	26,7	1.05	63,5	2.50
24S	-24	60,5	2.38	112,2	4.42	75,4	2.97	32,5	1.28	69,9	2.75
24-32S	-32	60,5	2.38	122,7	4.83	75,7	2.98	34,8	1.37	69,9	2.75
32S	-32	71,4	2.81	136,9	5.39	90,2	3.55	44,5	1.75	82,6	3.25
40-32S	-32	84,1	3.31	136,9	5.39	90,2	3.55	44,5	1.75	84,1	3.31
40**	-40	84,1	3.31	184,4	7.26	136,1	5.36	56,1	2.21	131,8	5.19

*MTO Made to order
**Order as 39-4779-40

Male inverted flare

190277-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190277-								
4S	-04	7/16-20	45,7	1.80	26,7	1.05	3,3	0.13

Note: For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

Hose fittings – Reusable

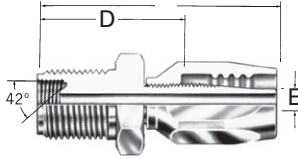
SAE 100R5 style

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

100R5 style

Male/female inverted flare

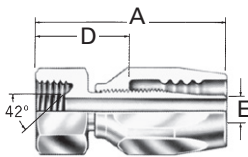
190276-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190276-								
4S	-04	5/8-18(M)	52,1	2.05	33,0	1.30	3,3	0.13

Female inverted flare

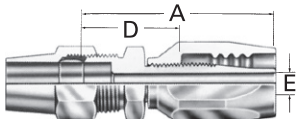
403-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
403-								
5S	-05	1/2-20	41,1	1.62	21,3	0.84	5,8	0.23
6S	-06	5/8-18	45,2	1.78	22,4	0.88	7,6	0.30

Compression ball sleeve

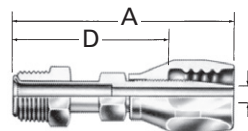
FC7031-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC7031-								
1010-206	-10	5/8	66,5	2.62	34,0	1.34	11,7	0.46

Straight SAE Male inverted flare

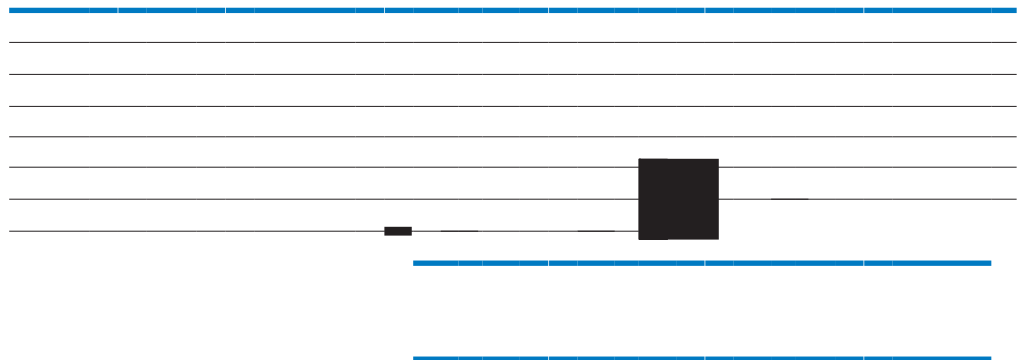
190111-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190111-								
4S	-04	7/16-24	62,5	2.46	43,4	1.71	3,3	0.13
5S	-05	1/2-20	66,5	2.62	46,7	1.84	4,6	0.18
5-6S	-06	1/2-20	69,1	2.72	46,2	1.82	6,1	0.24
6S	-06	5/8-18	69,1	2.72	46,2	1.82	6,1	0.24
6-8S	-08	5/8-18	79,5	3.13	50,8	1.98	7,1	0.28
8S	-08	3/4-18	81,3	3.20	52,1	2.05	9,1	0.36
10S	-10	7/8-18	90,4	3.56	57,9	2.28	11,4	0.45

For correct socket part number, see page I-3.

Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190297-										
4S	-04	7/16-20	47,0	1.85	27,9	1.10	3,3	0.13	8,4	0.33
4-5S	-05	7/16-20	51,1	2.01	31,2	1.23	3,8	0.15	8,4	0.33
5S	-05	1/2-20	52,6	2.07	32,8	1.29	4,6	0.18	9,1	0.36
8-6S	-06	3/4-16	67,1	2.64	44,2	1.74	6,1	0.24	14,0	0.55
8S	-08	3/4-16	75,9	2.99	46,7	1.72	9,1	0.36	14,0	0.55
8-10S	-10	3/4-16	79,8	3.14	47,0	1.85	9,9	0.39	14,0	0.55
10S	-10	7/8-14	82,3	3.24	49,5	1.95	11,7	0.46	16,3	0.64
10-12S	-12	7/8-14	89,9	3.54	50,0	1.97	12,2	0.48	16,3	0.64
190299-										
6S	-06	5/8-18	56,6	2.23	33,8	1.33	6,1	0.24	9,9	0.39
12S	-12	1 1/16-14	96,0	3.78	56,1	2.21	14,0	0.55	19,8	0.78
190265-										
6S	-06	9/16-18	56,6	2.23	33,8	1.33	6,1	0.24	9,9	0.39
12S	-12	1 1/16-12	96,0	3.78	56,1	2.21	14,0	0.55	19,8	0.78
16S	-16	1 5/16-12	95,0	3.74	62,7	2.47	20,8	0.82	27,2	1.07
20S	-20	1 1/8-12	106,9	4.21	72,4	2.85	26,7	1.05	31,0	1.22



Hose fittings – Reusable

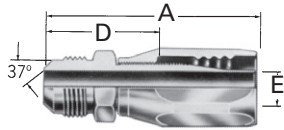
SAE 100R5 style

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

100R5 style

SAE 37° (JIC) male flare

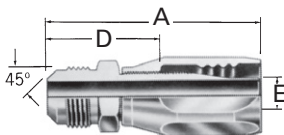
4414-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4414-								
4S	-04	7/16-20	47,0	1.85	27,9	1.10	3,3	0.13
5S	-05	1/2-20	49,5	1.95	29,7	1.17	4,3	0.17
6S	-06	9/16-18	53,8	2.12	31,0	1.22	6,1	0.24
8S	-08	3/4-16	65,3	2.57	36,1	1.42	9,1	0.36
10S	-10	7/8-14	73,2	2.88	40,6	1.60	11,7	0.46
12-10S	-10	1 1/16-12	77,5	3.05	44,7	1.76	11,7	0.46
12S	-12	1 1/16-12	85,1	3.35	45,2	1.78	14,0	0.55
16S	-16	1 5/16-12	75,2	2.96	42,9	1.69	20,8	0.82
20S	-20	1 5/8-12	81,8	3.22	47,2	1.86	26,7	1.05
24S	-24	1 7/8-12	87,4	3.44	50,5	1.99	32,5	1.28

SAE 45° male flare

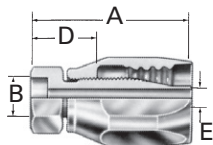
4402-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4402-								
4S	-04	7/16-20	45,7	1.80	26,9	1.06	3,3	0.13
5S	-05	1/2-20	50,0	1.97	30,0	1.18	4,3	0.17
6S	-06	5/8-18	55,6	2.19	32,5	1.28	6,1	0.24
8S	-08	3/4-16	67,6	2.66	38,6	1.52	9,1	0.36
10S	-10	7/8-14	76,2	3.00	43,7	1.72	11,7	0.46
12S	-12	1 1/16-14	88,9	3.50	48,8	1.92	14,2	0.56

Lifesaver†

190000-



Dash size	Hose size	Tube	A		B†		D		EØ	
			mm	in	mm	in	mm	in	mm	in
190000-										
4S	-04	1/4	34,5	1.36	6,4	0.25	15,7	0.62	3,3	0.13
5S	-05	5/16	38,9	1.53	7,9	0.31	19,1	0.75	4,6	0.18
5-6S	-06	5/16	41,4	1.63	7,9	0.31	18,5	0.73	6,1	0.24
6S	-06	3/8	41,4	1.63	9,7	0.38	18,5	0.73	6,1	0.24
6-8S	-08	3/8	51,8	2.04	9,7	0.38	22,6	0.89	7,1	0.28
8S	-08	1/2	51,8	2.04	12,7	0.50	22,6	0.89	9,1	0.36
10S	-10	5/8	55,6	2.19	15,7	0.62	22,9	0.90	11,7	0.46
12S	-12	3/4	63,2	2.49	19,1	0.75	23,4	0.92	14,0	0.55
16S	-16	1	52,1	2.05	25,4	1.00	19,8	0.78	20,8	0.82
20S	-20	1 1/4	57,4	2.26	31,8	1.25	22,9	0.90	26,7	1.05
24-20S	-20	1/2	59,2	2.33	38,1	1.50	24,4	0.96	26,7	1.05
24S	-24	1/2	61,5	2.42	38,1	1.50	24,6	0.97	32,5	1.28
32S	-32	2	73,4	2.89	50,8	2.00	26,7	1.05	44,5	1.75
40S	-40	2 1/2	82,8	3.26	63,5	2.50	34,5	1.36	56,1	2.21

**For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

† "B" dimension is counterbore diameter for mating tubing

Notes: For correct socket part number, see page I-3.

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

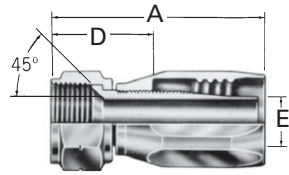
Hose fittings – Reusable

SAE 100R5 style

100R5 style

SAE 45° swivel

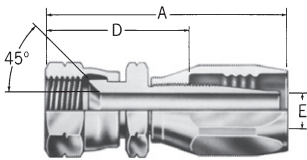
401-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
401-								
4S*†	-04	7/16-20	44,5	1.75	25,4	1.00	4,3	0.17
5S*†	-05	1/2-20	48,3	1.90	28,4	1.12	5,8	0.23
6S*†	-06	5/8-18	52,1	2.05	29,2	1.15	7,6	0.30
8S*†	-08	3/4-16	64,0	2.52	35,1	1.38	9,9	0.39
10S*†	-10	7/8-14	71,1	2.80	38,4	1.51	12,2	0.48
12S*†	-12	1 1/16-14	76,7	3.02	36,8	1.45	15,5	0.61

SAE 45° swivel

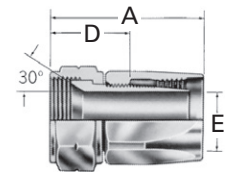
4401-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4401-								
4S†	-04	7/16-20	50,0	1.97	31,0	1.22	3,3	0.13
5S	-05	1/2-20	53,8	2.12	34,0	1.34	4,3	0.17
6S†	-06	5/8-18	59,9	2.36	37,1	1.46	6,1	0.24
8S†	-08	3/4-16	70,6	2.78	41,1	1.62	9,1	0.36
8-6S	-06	3/4-16	61,5	2.42	38,9	1.53	5,6	0.22
10S†	-10	7/8-14	78,7	3.10	46,0	1.81	11,7	0.46
12S†	-12	1 1/16-14	88,6	3.49	48,8	1.92	14,0	0.55

SAE PTT swivel

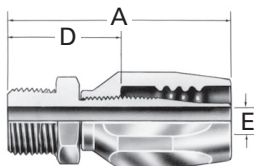
406-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
406-								
16S†††*	-16	1 5/16-14	66,0	2.60	33,8	1.33	20,8	0.82
20S†††*	-20	1 5/8-14	72,6	2.86	38,1	1.50	26,7	1.05
24B*	-24	1 7/8-14	79,5	3.13	42,4	1.67	32,5	1.28

SAE male O-ring boss**

190463-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190463-								
6S	-06	9/16-18	49,5	1.95	26,7	1.05	6,1	0.24
8S	-08	3/4-16	59,7	2.35	30,5	1.20	9,1	0.36
10S	-10	7/8-14	66,8	2.63	34,0	1.34	9,1	0.36

**See page I-63–I-68 for o-ring information.

*Requires tools for assembly

† Also supplied in brass. To order, substitute "B" for "S" in part number

††† Available in stainless steel. To order, drop the "S" suffix and add "259-" prefix

Hose fittings – Reusable

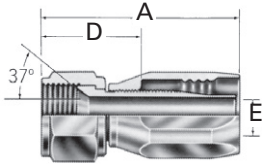
SAE 100R5 style

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

100R5 style

SAE 37° (JIC) swivel

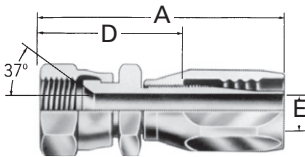
411-
44-411-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
411-			mm	in	mm	in	mm	in
†4S *	-04	7/16-20	44,5	1.75	25,4	1.00	4,3	0.17
†5S *	-05	1/2-20	48,3	1.90	28,4	1.12	5,8	0.23
†6S *	-06	9/16-18	52,1	2.05	29,2	1.15	7,6	0.30
6-4S	-04	9/16-18	47,0	1.85	27,9	1.10	4,3	0.17
†8S *	-08	3/4-16	64,0	2.52	35,1	1.38	9,9	0.39
10S *	-10	7/8-14	71,1	2.80	38,4	1.51	12,2	0.48
10-8B	-08	7/8-14	67,2	2.65	38,1	1.50	9,9	0.39
†12S *	-12	1 1/16-12	80,0	3.15	40,1	1.58	15,5	0.61
†16S *	-16	1 5/16-12	71,6	2.82	39,4	1.55	20,8	0.82
16-12S	-12	1 5/16-12	82,6	3.25	40,9	1.61	15,5	0.61
†20S *†††	-20	1 5/8-12	76,2	3.00	41,7	1.64	26,7	1.05
†24S *†††	-24	1 7/8-12	83,3	3.28	46,5	1.83	32,5	1.28
†32S *†††	-32	2 1/2-12	98,6	3.88	51,6	2.03	44,5	1.75
44-411-			mm	in	mm	in	mm	in
40 *	-40	3-12	105,7	4.16	57,2	2.25	55,9	2.20
48 *	-48	3 1/2-12	108,7	4.28	60,5	2.38	71,1	2.80

SAE 37° (JIC) swivel

4411-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4411-			mm	in	mm	in	mm	in
4S †††	-04	7/16-20	50,0	1.97	31,2	1.23	3,3	0.13
4-5S	-05	7/16-20	52,8	2.08	33,0	1.30	4,3	0.17
5S †††	-05	1/2-20	53,8	2.12	34,3	1.35	4,6	0.18
6S †††	-06	9/16-18	59,2	2.33	36,3	1.43	6,1	0.24
6-8S	-08	9/16-18	68,1	2.68	38,9	1.53	7,6	0.30
8S †††	-08	3/4-16	70,6	2.78	41,1	1.62	9,1	0.36
8-6S	-06	3/4-16	61,5	2.42	38,6	1.52	6,1	0.24
10-8S	-08	7/8-14	74,9	2.95	45,7	1.80	9,1	0.36
8-10S	-10	3/4-16	74,2	2.92	41,7	1.64	9,9	0.39
10S †††	-10	7/8-14	78,7	3.10	46,0	1.81	11,7	0.46
12-10S	-10	1 1/16-12	81,0	3.19	48,5	1.91	11,7	0.46
10-12S	-12	7/8-14	86,4	3.40	46,5	1.83	14,0	0.55
12S †††	-12	1 1/16-12	88,6	3.49	48,8	1.92	14,0	0.55
14-12S	-12	1 3/16-12	90,6	3.56	50,5	1.99	14,0	0.55
16S †††	-16	1 5/16-12	81,0	3.19	49,0	1.93	20,8	0.82
16-20S	-20	1 5/16-12	87,1	3.43	52,6	2.07	26,7	1.05
20S	-20	1 5/8-12	87,1	3.43	52,6	2.07	26,7	1.05
20-24S	-24	1 5/8-12	92,7	3.65	55,6	2.19	26,9	1.06
24S	-24	1 7/8-12	93,5	3.68	56,4	2.22	32,5	1.28
32S	-32	2 1/2-12	111,5	4.39	64,8	2.55	44,5	1.75

*Requires tools for assembly

† Also supplied in brass. To order, substitute "B" for "S" in part number

††† Available in stainless steel. To order, drop the "S" suffix and add "259-" prefix

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

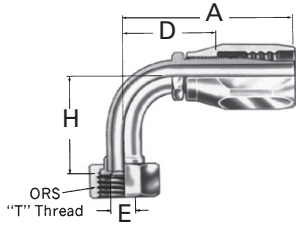
Hose fittings – Reusable

SAE 100R5 style

100R5 style

ORS swivel 90° elbow (long drop)

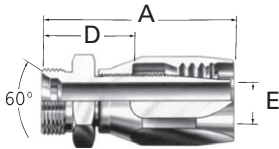
FJ9709-



Dash size	Hose size	"T" Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9709-										
0606S	-06	11/16-16	57,2	2.25	34,3	1.35	5,6	0.22	54,1	2.13
0808S	-08	13/16-16	73,2	2.88	43,9	1.73	9,1	0.36	63,8	2.51
1010S	-10	1-14	77,0	3.03	44,2	1.74	11,7	0.46	70,1	2.76
1212S	-12	1 3/16-12	95,0	3.74	55,1	2.17	14,0	0.55	96,0	3.78
1616S	-16	7/16-12	90,2	3.55	57,7	2.27	19,3	0.76	114,3	4.50
2020S	-20	1 11/16-12	102,1	4.02	67,3	2.65	25,7	1.01	129,3	5.09

Metric male 60° DIN 7631/7647

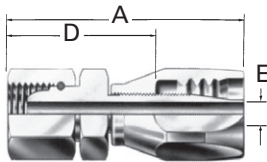
07.024-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
07.024-								
4-4	-04	M12 x 1.5	45,0	1.77	26,0	1.02	3,2	0.13
6-5	-05	M14 x 1.5	47,5	1.87	27,5	1.08	4,5	0.18
8-6*	-06	M16 x 1.5	50,0	1.97	27,0	1.06	6,0	0.24
10-8	-08	M18 x 1.5	59,0	2.32	30,0	1.18	9,0	0.35
13-10*	-10	M22 x 1.5	65,0	2.56	32,0	1.26	11,5	0.45
16-12	-12	M26 x 1.5	72,5	2.85	32,5	1.28	14,0	0.55
20-16	-16	M30 x 1.5	63,0	2.48	31,0	1.22	21,0	0.83
25-20	-20	M38 x 1.5	67,5	2.66	33,0	1.30	26,5	1.04
32-24	-24	M45 x 1.5	70,0	2.76	33,0	1.30	32,5	1.28
40-32	-32	M52 x 1.5	84,0	3.31	37,0	1.46	44,5	1.28
50-32	-32	M65 x 2	87,0	3.42	40,0	1.57	44,5	1.75
60-40	-40	M78 x 2	94,5	3.72	46,0	1.81	56,0	2.20
70-48	-48	M90 x 2	100,5	3.96	52,0	2.05	71,0	2.80

Metric female swivel 60° DIN 7631/7647

07.036-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
07.036-								
20-16*	-16	M30 x 1.5	72,5	2.85	40,9	1.61	21,0	0.83
25-20*	-20	M38 x 1.5	76,5	3.01	42,0	1.65	26,5	1.04
32-24*	-24	M45 x 1.5	82,0	3.23	45,0	1.77	32,5	1.28
40-32	-32	M52 x 1.5	93,5	3.68	46,5	1.83	44,5	1.75
50-32	-32	M65 x 2	93,5	3.68	46,5	1.83	44,5	1.75
60-40*	-40	M78 x 2	103,0	4.06	54,5	2.15	56,0	2.20

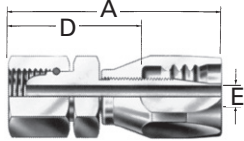
Hose fittings – Reusable

SAE 100R5 style

For use with hose:
1503, 2580, 2651, FC234,
FC300, FC321, FC350,
FC355, FC802

100R5 style

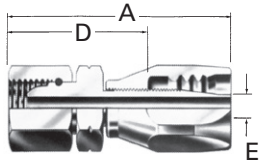
**Metric universal
female swivel 24°
DIN 3901/3902 I.Rh.**
07.002-



Dash size	Hose size	Thread	A		D		EØ		RØ	
			mm	in	mm	in	mm	in	mm	in
07.002-										
4-4†	-04	M12 x 1.5	51,0	2.01	32,0	1.26	3,2	0.13	6,0	0.24
6-5†	-05	M14 x 1.5	53,5	2.11	33,5	1.32	4,5	0.18	8,0	0.31
8-6†	-06	M16 x 1.5	56,5	2.22	33,5	1.32	6,0	0.24	10,0	0.39
10-8†	-08	M18 x 1.5	67,0	2.64	37,5	1.48	9,0	0.35	12,0	0.47
13-10†	-10	M22 x 1.5	73,0	2.87	40,5	1.59	11,5	0.45	15,0	0.59
16-12†	-12	M26 x 1.5	83,5	3.29	43,5	1.71	14,0	0.55	18,0	0.71
22-16	-16	M30 x x 2	74,0	2.91	41,5	1.63	21,0	0.83	22,0	0.87
28-20	-20	M36 x x 2	78,0	3.07	43,5	1.71	26,5	1.04	28,0	1.10
35-24*	-24	M45 x x 2	81,5	3.21	44,5	1.75	32,5	1.28	35,0	1.38
42-32	-32	M52 x x 2	94,0	3.70	47,0	1.85	44,5	1.75	42,0	1.65

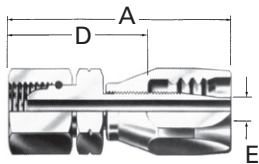
*MTO Made to order

**Metric universal
female swivel 24°
DIN 3901/3902 s.Rh.**
07.155-



Dash size	Hose size	Thread	A		D		EØ		RØ	
			mm	in	mm	in	mm	in	mm	in
07.155-										
10-5	-05	M18 x 1.5	55,0	2.17	35,0	1.38	4,5	0.18	10,0	0.39
12-6*	-06	M20 x 1.5	59,5	2.34	36,5	1.44	6,0	0.24	12,0	0.47
14-8*	-08	M22 x 1.5	68,5	2.70	39,0	1.54	9,0	0.35	14,0	0.55
20-12	-12	M30 x 2	85,5	3.37	45,5	1.79	14,0	0.55	20,0	0.79
25-16	-16	M36 x 2	75,0	2.95	42,5	1.67	21,0	0.83	25,0	0.98
38-24*	-24	M52 x 2	84,0	3.31	47,0	1.85	32,5	1.28	38,0	1.50

**Komatsu 30° metric
female swivel**
FC5954-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC5954-								
0410S*	-10	M22 x 1.5	78,7	3.10	46,2	1.82	9,4	0.37
0612S	-12	M30 x 1.5	95,5	3.76	55,6	2.19	14,0	0.55

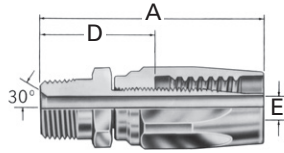
*MTO Made to order

† Universal fitting also mates with DIN 7631/7647 60° connections.

100R1 TTC

Male pipe

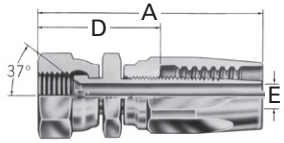
FC7985-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC7985-								
0204S	-04	1/8-27	55,1	2.17	28,7	1.13	4,3	0.17
0404S	-04	1/4-18	59,9	2.36	33,5	1.32	4,3	0.17
0406S	-06	1/4-18	68,1	2.68	39,4	1.55	7,6	0.30
0606S	-06	3/8-18	68,1	2.68	39,4	1.55	7,9	0.31
0608S	-08	3/8-18	71,6	2.82	34,3	1.35	9,9	0.39
0808S	-08	1/2-14	78,0	3.07	40,6	1.60	9,9	0.39
1212S	-12	3/4-14	90,2	3.55	49,5	1.95	15,5	0.61
1616S	-16	1-11 1/2	108,0	4.25	54,1	2.13	20,8	0.82

SAE 37° (JIC) swivel

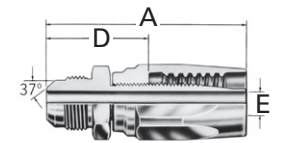
FC7988-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC7988-								
0404S	-04	7/16-20	63,5	2.50	37,1	1.46	4,3	0.17
0606S	-06	9/16-18	73,9	2.91	45,2	1.78	7,9	0.31
0808S	-08	3/4-16	80,8	3.18	43,8	1.70	9,9	0.39
1212S	-12	1 1/16-12	96,5	3.80	55,9	2.20	15,5	0.61
1616S	-16	1 5/16-12	110,0	4.33	56,1	2.21	20,8	0.82

SAE 37° (JIC) male flare

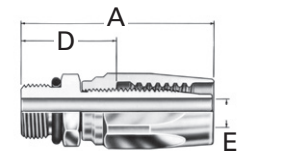
FC7986-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC7986-								
0404S	-04	7/16-20	59,4	2.34	33,0	1.30	4,3	0.17
0606S	-06	9/16-18	67,8	2.67	39,1	1.54	7,9	0.31
0808S	-08	3/4-16	75,4	2.97	38,1	1.50	9,9	0.39
1212S	-12	1 1/16-12	93,0	3.66	52,3	2.06	15,5	0.61
1616S	-16	1 5/16-12	107,4	4.23	53,3	2.10	20,8	0.82

SAE male O-ring boss

FC7987-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC7987-								
0606S	-06	9/16-18	63,5	2.50	34,8	1.37	7,9	0.31
0808S	-08	3/4-16	68,3	2.69	31,0	1.22	9,9	0.39
1212S	-12	1 1/16-12	86,4	3.40	45,7	1.80	15,5	0.61
1616S	-16	1 5/16-12	96,0	3.78	41,9	1.65	20,8	0.82

Dash size	Hose size	Thread	A		B*		D		RØ	
			mm	in	mm	in	mm	in	mm	in
FC7989-										
0404S	-04	1/4	48,0	1.89	6,4	0.25	21,6	0.85	4,3	0.17
0606S	-06	3/8	54,6	2.15	9,7	0.38	25,9	1.02	7,9	0.31
0808S	-08	1/2	60,5	2.38	12,7	0.50	23,1	0.91	9,9	0.39
1212S	-12	3/4								

*"B" dimension is counterbore for mating tubing.

¹SAE 100R2 pressures only.

Hose fittings – Reusable

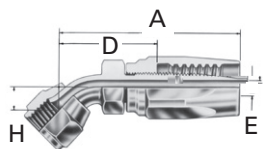
For use with hose:
GH663¹

Braided hydraulic – one wire

100R1 TTC

SAE 37° (JIC) swivel 45° elbow

FC7990-



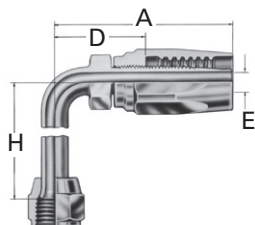
Dash size	Hose size	Thread	A		D		EØ		HØ	
			mm	in	mm	in	mm	in	mm	in
FC7990-										
0404S	-04	7/16-20	60,2	2.37	33,8	1.33	4,3	0.17	8,4	0.33
0606S	-06	9/16-18	69,9	2.75	41,1	1.62	7,9	0.31	9,9	0.39
0808S	-08	3/4-16	82,3	3.24	45,0	1.77	9,9	0.39	14,0	0.55
1212S	-12	1 1/16-12	103,9	4.09	63,2	2.49	15,5	0.61	19,8	0.78
1616S	-16	1 5/16-12	124,0	4.88	69,9	2.75	20,8	0.82	27,2	1.07

SAE 37° (JIC) swivel 90° elbow (short)

FC7992-

SAE 37° (JIC) swivel 90° elbow (long)

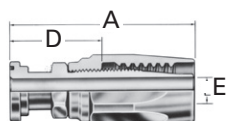
FC7991-



Dash size	Hose size	Thread	A		D		EØ		HØ	
			mm	in	mm	in	mm	in	mm	in
FC7992-										
0404S	-04	7/16-20	57,4	2.26	31,0	1.22	4,3	0.17	17,3	0.68
0606S	-06	9/16-18	67,3	2.65	38,6	1.52	7,9	0.31	21,6	0.85
0808S	-08	3/4-16	76,2	3.00	39,1	1.54	9,9	0.39	27,7	1.09
1212S	-12	1 1/16-12	102,9	4.05	62,2	2.45	15,5	0.61	46,2	1.82
1616S	-16	1 5/16-12	119,1	4.69	65,0	2.56	20,8	0.82	60,7	2.39
FC7991-										
0404S	-04	7/16-20	57,4	2.26	31,0	1.22	4,3	0.17	45,7	1.80
0606S	-06	5/16-18	67,3	2.65	38,6	1.52	7,9	0.31	55,4	2.18
0808S	-08	3/4-16	79,5	3.13	42,2	1.66	9,9	0.39	61,7	2.43
1008S	-08	7/8-14	85,9	3.38	48,5	1.91	9,9	0.39	65,3	2.57
1212S	-12	1 1/16-12	102,9	4.05	62,2	2.45	15,5	0.61	94,7	3.73
1616S	-16	1 5/16-12	119,1	4.69	65,0	2.56	20,8	0.82	116,3	4.58

Code 61 SAE J518 straight split flange

FC5075-



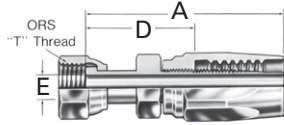
Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC5075-								
0808S	-08	1.19	76,5	3.01	39,1	1.54	9,9	0.39
1212S	-12	1.50	88,1	3.47	47,5	1.87	15,5	0.61
1616S	-16	1.75	114,3	4.50	60,5	2.38	20,8	0.82

¹SAE 100R2 pressures only.

100R1 TTC

ORS swivel straight

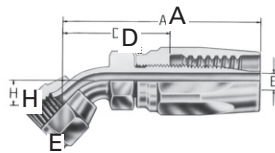
FJ9724-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ9724-								
0404S	-04	7/16-20	60,2	2.37	33,8	1.33	4,3	0.17
0404S	-04	9/16-18	66,5	2.62	40,1	1.58	4,1	0.16
0606S	-06	11/16-16	74,9	2.95	46,2	1.82	6,6	0.26
0808S	-08	13/16-16	85,9	3.38	48,5	1.91	9,1	0.36
1212S	-12	1 3/16-12	101,6	4.00	60,9	2.40	14,0	0.55
1616S	-16	1 7/16-12	117,9	4.64	63,8	2.51	19,8	0.78

ORS swivel 45° elbow

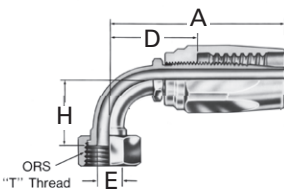
FJ9725-



Dash size	Hose size	Thread	A		D		EØ		HØ	
			mm	in	mm	in	mm	in	mm	in
FJ9725-										
0404S	-04	9/16-18	63,0	2.48	36,6	1.44	4,3	0.17	10,4	0.41
0606S	-06	11/16-16	70,9	2.79	42,2	1.66	6,6	0.26	10,9	0.43
0808S	-08	13/16-16	83,3	3.28	46,0	1.81	9,7	0.38	15,0	0.59
1212S	-12	1 3/16-12	105,4	4.15	63,5	2.50	15,5	0.61	21,1	0.83
1616S	-16	1 7/16-12	120,9	4.76	67,1	2.64	20,6	0.81	23,9	0.94

ORS swivel 90° elbow short drop

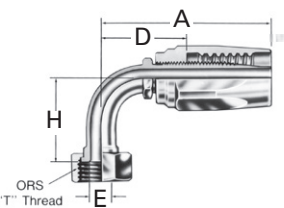
FJ9726-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FC9726-										
0404S	-04	9/16-18	58,9	2.32	32,5	1.28	4,3	0.17	20,8	0.82
0606S	-06	11/16-16	67,3	2.65	38,6	1.52	6,6	0.26	22,9	0.90
0808S	-08	13/16-16	76,5	3.01	39,1	1.54	9,7	0.38	29,2	1.15
1212S	-12	1 3/16-12	102,9	4.05	62,2	2.45	15,5	0.61	47,8	1.88
1616S	-16	1 7/16-12	119,1	4.69	65,3	2.57	20,6	0.81	56,1	2.21

ORS swivel 90° elbow long drop

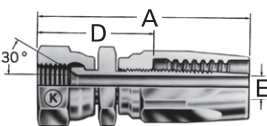
FJ9727-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9727-										
0404S	-04	9/16-18	58,9	2.32	32,5	1.28	4,3	0.17	45,7	1.80
0606S	-06	11/16-16	70,4	2.77	41,7	1.64	6,6	0.26	54,1	2.13
0808S	-08	13/16-16	79,5	3.13	42,2	1.66	9,7	0.38	63,8	2.51
1212S	-12	1 3/16-12	102,9	4.05	62,2	2.45	15,5	0.61	96,0	3.78
1616S	-16	1 7/16-12	119,1	4.69	65,3	2.57	20,6	0.81	114,3	4.50

30° swivel-metric threads special Komatsu

FJ7199-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ7199-								
0306S	-06	M18x1.5	77.2	3.04	48,3	1.90	6,4	0.25
0408S	-08	M22x1.5	83,8	3.30	46,2	1.82	9,4	0.37
0512S	-12	M24x1.5	98,0	3.86	57,4	2.26	12,2	0.48
0612S	-12	M30x1.5	102,1	4.02	61,5	2.42	15,5	0.61
1016S	-16	M33x1.5	119,9	4.72	65,8	2.59	20,3	0.80

Note: For correct socket part number, see page I-3.

For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

¹SAE 100R1 pressures only. Correct to SAE 100R1 pressures only.

Hose fittings – Reusable

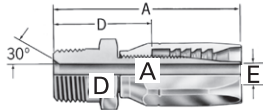
For use with hose:
FC310, FC510

Braided hydraulic – two wire

Hi-Pac fittings

Male pipe

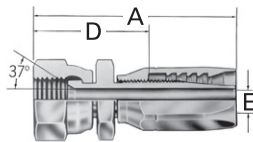
FC5131-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC5131-								
0404S	-04	1/4-18	62,5	2.46	31,5	1.24	4,3	0.17
0406S	-06	1/4-18	69,9	2.75	32,5	1.28	7,9	0.31
0606S	-06	3/8-18	69,9	2.75	32,5	1.28	7,9	0.31
0808S	-08	1/2-14	74,5	3.09	36,6	1.44	9,9	0.39
1212S	-12	3/4-14	91,7	3.61	44,2	1.74	15,5	0.61
1616S	-16	1-11 1/2	111,8	4.40	58,2	2.29	20,8	0.82
*2020S	-20	1 1/4-11 1/2	129,5	5.10	63,0	2.48	26,7	1.05

SAE 37° (JIC) swivel

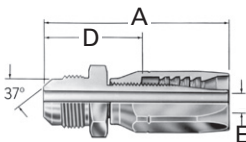
FC5130-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC5130-								
0404S	-04	7/16-20	66,0	2.60	35,1	1.38	4,3	0.17
0606S	-06	9/16-18	75,7	2.98	38,4	1.51	7,9	0.31
0806S	-06	3/4-16	79,0	3.11	41,7	1.64	7,9	0.31
0808S	-08	3/4-16	81,3	3.20	40,9	1.61	9,9	0.39
1008S	-08	7/8-14	84,1	3.31	45,7	1.80	9,9	0.39
1010S	-10	7/8-14	87,4	3.44	46,5	1.83	12,7	0.50
1212S	-12	1 1/16-12	98,0	3.86	50,5	1.99	15,5	0.61
1616S	-16	1 5/16-12	113,8	4.48	60,2	2.37	20,8	0.82
*2020S	-20	1 5/8-12	129,5	5.10	62,7	2.47	26,7	1.05

SAE 37° (JIC) male flare

FC5133-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC5133-								
0404S	-04	7/16-20	62,0	2.44	31,2	1.23	4,3	0.17
0606S	-06	9/16-18	69,9	2.75	32,3	1.27	7,6	0.30
0806S	-06	3/4-16	73,9	2.91	36,3	1.43	7,9	0.31
0808S	-08	3/4-16	75,9	2.99	34,0	1.34	9,9	0.39
1008S	-08	7/8-14	78,7	3.10	36,6	1.44	9,9	0.39
1010S	-10	7/8-14	81,8	3.22	40,9	1.61	12,2	0.48
1212S	-12	1 1/16-12	94,5	3.72	47,0	1.85	15,5	0.61
1412S	-12	1 3/16-12	95,5	3.76	47,8	1.88	15,5	0.61
1616S	-16	1 5/16-12	111,3	4.38	57,7	2.27	20,8	0.82
*2020S	-20	1 5/8-12	124,0	4.88	62,7	2.47	26,7	1.05

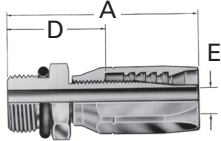
¹FC310 only

Note: For correct socket part number, see page I-3.

Hi-Pac fittings

SAE male O-ring boss

FC5379[†]-

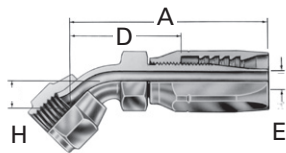


Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC5379-								
1008S	-08	7/8-14	72,1	2.84	30,2	1.19	9,9	0.39
1208S	-08	9/16-12	76,2	3.00	34,3	1.35	9,9	0.39
1616S	-16	1 5/16-12	99,8	3.93	46,2	1.82	20,8	0.82
*2020S	-20	1 5/8-12	111,3	4.38	50,8	1.98	26,7	1.05

[†]O-ring not included. For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

SAE 37° (JIC) swivel 45° elbow

FC5144-



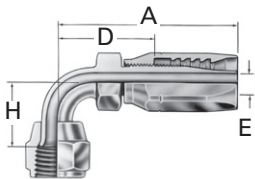
Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FC5144-										
0404S	-04	7/16-20	62,7	2.47	31,8	1.25	4,3	0.17	8,4	0.33
0606S	-06	9/16-18	71,6	2.82	34,3	1.35	7,9	0.31	9,9	0.39
0806S	-06	3/4-16	80,5	3.17	43,8	1.70	7,9	0.31	14,0	0.55
0808S	-08	3/4-16	83,8	3.30	43,9	1.73	9,9	0.39	14,0	0.55
1008S	-08	7/8-14	87,6	3.45	42,2	1.66	9,9	0.39	16,3	0.64
1010S	-10	7/8-20	89,9	3.54	50,5	1.99	12,7	0.50	16,3	0.64
1212S	-12	11/16-12	105,4	4.15	57,9	2.28	15,5	0.61	19,8	0.78
1616S	-16	1 5/16-12	127,8	5.03	74,2	2.92	20,8	0.82	27,2	1.07
*2020S	-20	1 5/8-12	149,1	5.87	87,9	3.46	26,7	1.05	31,0	1.22

SAE 37° (JIC) swivel 90° elbow (short)

FC5143-

SAE 37° (JIC) swivel 90° elbow (long)

FC5142-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FC5143-										
0404S	-04	7/16-20	59,9	2.36	29,2	1.15	4,3	0.17	17,3	0.68
0606S	-06	9/16-18	69,1	2.72	31,8	1.25	7,9	0.31	21,6	0.85
0806S	-06	3/4-16	74,7	2.94	37,1	1.46	7,9	0.31	27,7	1.09
0808S	-08	3/4-16	76,7	3.02	35,1	1.38	9,9	0.39	27,7	1.09
1008S	-08	7/8-14	80,0	3.15	38,1	1.50	9,9	0.39	31,2	1.23
1010S	-10	7/8-14	83,3	3.28	42,4	1.67	12,7	0.50	31,2	1.23
1212S	-12	1 1/16-12	104,4	4.11	56,9	2.24	15,5	0.61	46,2	1.82
1616S	-16	1 5/16-12	122,9	4.84	69,3	2.73	20,8	0.82	60,7	2.39
*2020S	-20	1 5/8-12	144,0	5.67	83,1	3.27	26,7	1.05	69,9	2.75
FC5142-										
0404S	-04	7/16-20	59,9	2.36	29,2	1.15	4,3	0.17	45,7	1.80
0606S	-06	9/16-18	69,1	2.72	31,8	1.25	7,9	0.31	55,4	2.18
0806S	-06	3/4-16	77,7	3.06	40,3	1.59	7,9	0.31	61,7	2.43
0808S	-08	3/4-16	80,0	3.15	38,1	1.50	9,9	0.39	61,7	2.43
1008S	-08	7/8-14	86,4	3.40	44,5	1.75	9,9	0.39	65,3	2.57
1010S	-10	7/8-14	89,7	3.53	48,8	1.92	12,7	0.50	65,3	2.57
1212S	-12	1 1/16-12	104,4	4.11	56,9	2.24	15,5	0.61	94,7	3.73
1616S	-16	1 5/16-12	122,9	4.84	69,3	2.73	20,8	0.82	116,3	4.58
*2020S	-20	1 5/8-12	144,0	5.67	83,1	3.27	26,7	1.05	140,5	5.53

*FC310 only

Note: For correct socket part number, see page I-3.

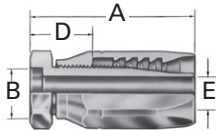
Hose fittings – Reusable

For use with hose:
FC310, FC510

Braided hydraulic – two wire

Hi-Pac fittings

Lifesaver†
FC5380-

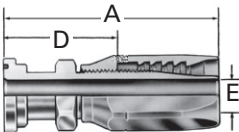


Dash size	Hose size	Thread	A		B†		D		EØ	
			mm	in	mm	in	mm	in	mm	in
FC5380-										
0404S	-04	1/4	50,5	1.99	6,4	0.25	19,6	0.77	4,3	0.17
0606S	-06	3/8	56,4	2.22	9,7	0.38	19,1	0.75	7,9	0.31
0808S	-08	1/2	60,9	2.40	12,7	0.50	19,1	0.75	9,9	0.39
1010S	-10	5/8	64,3	2.53	15,7	0.62	23,4	0.92	12,7	0.50
1212S	-12	3/4	72,6	2.86	19,1	0.75	25,1	0.99	15,5	0.61
1616S	-16	1	84,8	3.34	25,4	1.00	31,2	1.23	20,8	0.82
*2020S	-20	1 1/4	99,6	3.92	31,8	1.25	38,6	1.52	26,7	1.05

† "B" dimension is counterbore diameter for mating tubing.

Code 61 SAE J518 straight split flange

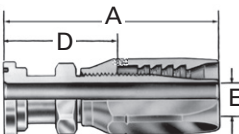
FC5135-



Dash size	Hose size	Flange head dia.		A		D		EØ	
		mm	in	mm	in	mm	in	mm	in
FC5135-									
0808S	-08	30,2	1.19	77,0	3.03	35,1	1.38	9,9	0.39
1208S	-08	38,1	1.50	78,0	3.07	36,1	1.42	9,9	0.39
1212S	-12	38,1	1.50	89,7	3.53	42,2	1.66	15,5	0.61
1612S	-12	44,5	1.75	99,6	3.92	52,1	2.05	15,5	0.61
1616S	-16	44,5	1.75	118,1	4.65	64,5	2.54	20,8	0.82
2016S	-16	50,8	2.00	118,1	4.65	64,5	2.54	20,8	0.82
*2020S	-20	50,8	2.00	132,8	5.23	71,9	2.83	26,7	1.05

Code 61 SAE J518 22 1/2° split flange

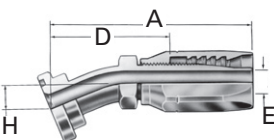
FC5136-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC5136-											
0808S	-08	30,2	1.19	95,5	3.76	53,6	2.11	9,9	0.39	12,7	0.50
1212S	-12	38,1	1.50	109,7	4.32	62,0	2.44	15,5	0.61	12,7	0.50
1612S	-12	44,5	1.75	109,7	4.32	62,0	2.44	15,5	0.61	12,7	0.50
1616S	-16	44,5	1.75	122,9	4.84	69,3	2.73	20,8	0.82	12,7	0.50
2016S	-16	50,8	2.00	122,9	4.84	69,3	2.73	20,8	0.82	12,7	0.50
*2020S	-20	50,8	2.00	138,9	5.47	78,0	3.07	26,7	1.05	12,7	0.50

Code 61 SAE J518 30° split flange

FC5137-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC5137-											
1212S	-12	38,1	1.50	111,3	4.38	63,8	2.51	15,5	0.61	17,5	0.69
1612S	-12	44,5	1.75	111,3	4.38	63,8	2.51	15,5	0.61	17,5	0.69
1616S	-16	44,5	1.75	117,1	4.61	63,5	2.50	20,8	0.82	12,7	0.50
2016S	-16	50,8	2.00	117,1	4.61	63,5	2.50	20,8	0.82	12,7	0.50
*2020S	-20	50,8	2.00	153,7	6.05	92,7	3.65	26,7	1.05	24,4	0.96

*FC310 only

Note: For correct socket part number, see page I-3.
For flanges, split flange halves, kits and o-rings, see page I-61-I-68.

For use with hose:
FC310, FC510

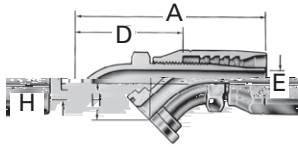
Hose fittings – Reusable

Braided hydraulic – two wire

Hi-Pac fittings

Code 61 SAE J518 45° split flange

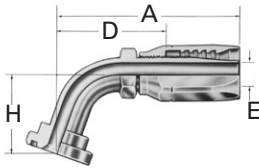
FC5138-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC5138-											
0808S	-08	30,2	1.19	94,2	3.71	52,3	2.06	9,9	0.39	25,4	1.00
1212S	-12	38,1	1.50	110,2	4.34	62,7	2.47	15,5	0.61	25,4	1.00
1612S	-12	44,5	1.75	111,5	4.39	64,0	2.52	15,5	0.61	25,4	1.00
1616S	-16	44,5	1.75	129,3	5.09	75,7	2.98	20,8	0.82	28,4	1.12
2016S	-16	50,8	2.00	129,3	5.09	75,7	2.98	20,8	0.82	28,4	1.12
*2020S	-20	50,8	2.00	146,6	5.77	85,6	3.37	26,7	1.05	28,4	1.12

Code 61 SAE J518 60° split flange

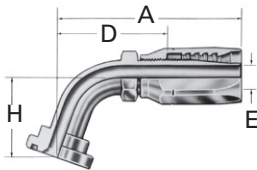
FC5139-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC5139-											
1212S	-12	38,1	1.50	114,8	4.52	67,3	2.65	15,5	0.61	41,1	1.62
1612S	-12	44,5	1.75	114,8	4.52	67,3	2.65	15,5	0.61	41,1	1.62
1616S	-16	44,5	1.75	130,8	5.15	77,2	3.04	20,8	0.82	41,7	1.64
2016S	-16	50,8	2.00	130,8	5.15	77,2	3.04	20,8	0.82	41,7	1.64
*2020S	-20	50,8	2.00	149,4	5.88	88,4	3.48	26,7	1.05	41,7	1.64

Code 61 SAE J518 67 1/2° split flange

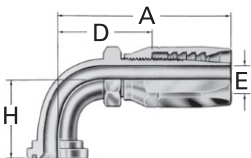
FC5140-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC5140-											
0808S	-08	30,2	1.19	88,1	3.47	46,2	1.82	9,9	0.39	35,1	1.38
1212S	-12	38,1	1.50	111,0	4.37	63,5	2.50	15,5	0.61	41,1	1.62
1612S	-12	44,5	1.75	111,0	4.37	63,5	2.50	15,5	0.61	41,1	1.62
1616S	-16	44,5	1.75	128,7	5.07	75,2	2.96	20,8	0.82	44,5	1.75
2016S	-16	50,8	2.00	128,7	5.07	75,2	2.96	20,8	0.82	44,5	1.75
*2020S	-20	50,8	2.00	149,1	5.87	87,9	3.46	26,7	1.05	47,8	1.88

Code 61 SAE J518 90° split flange

FC5141-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC5141-											
0808S	-08	30,2	1.19	80,0	3.15	38,1	1.50	9,9	0.39	41,1	1.62
1208S	-08	38,1	1.50	80,0	3.15	38,1	1.50	9,9	0.39	41,1	1.62
1212S	-12	38,1	1.50	104,4	4.11	56,9	2.24	15,5	0.61	53,8	2.12
1612S	-12	44,5	1.75	104,4	4.11	56,9	2.24	15,5	0.61	53,8	2.12
1616S	-16	44,5	1.75	122,9	4.84	69,3	2.73	20,8	0.82	60,5	2.38
2016S	-16	50,8	2.00	122,9	4.84	69,3	2.73	20,8	0.82	60,5	2.38
*2020S	-20	50,8	2.00	144,0	5.67	82,8	3.26	26,7	1.05	63,5	2.50

*FC310 only

Note: For correct socket part number, see page I-3.

For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

Hose fittings – Reusable

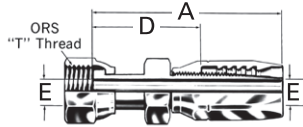
For use with hose:
FC310, FC510

Braided hydraulic – two wire

Hi-Pac fittings

ORS swivel straight

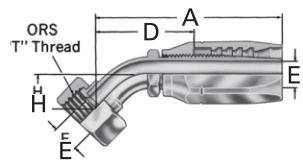
FJ9728-



Dash size	Hose size	Flange head dia.	A		D		EØ	
			mm	in	mm	in	mm	in
FJ9728-								
0404S	-04	9/16-18	68,8	2.71	38,1	1.50	4,3	0.17
0606S	-06	11/16-16	76,7	3.02	39,4	1.55	6,6	0.26
0808S	-08	13/16-16	86,4	3.40	44,5	1.75	9,9	0.39
1010S	-10	1-14	91,9	3.62	51,1	2.01	12,7	0.50
1212S	-12	1 3/16-12	102,9	4.05	55,4	2.18	15,5	0.61
1616S	-16	1 7/16-12	121,4	4.78	68,1	2.68	20,8	0.82
*2020S	-20	1 11/16-12	134,6	5.30	73,7	2.90	26,7	1.05

ORS swivel 45° elbow

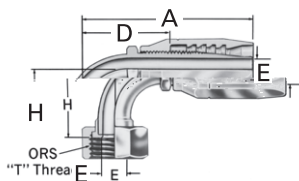
FJ9729-



Dash size	Hose size	Flange head dia.	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9729-										
0404S	-04	9/16-18	65,5	2.58	34,5	1.36	3,8	0.15	10,4	0.41
0606S	-06	11/16-16	72,6	2.86	35,3	1.39	6,1	0.24	10,9	0.43
0808S	-08	13/16-16	83,8	3.30	41,9	1.65	9,4	0.37	15,0	0.59
1010S	-10	1-14	91,9	3.62	51,1	2.01	11,7	0.46	16,5	0.65
1212S	-12	1 3/16-12	106,9	4.21	59,4	2.34	14,7	0.58	21,1	0.83
1616S	-16	1 7/16-12	124,7	4.91	71,1	2.80	19,3	0.76	23,9	0.94
*2020S	-20	1 11/16-12	145,8	5.74	84,8	3.34	25,7	1.01	25,4	1.00

ORS swivel 90° elbow short drop

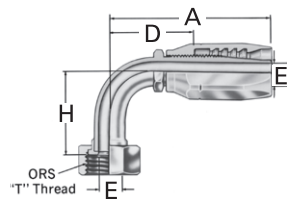
FJ9730-



Dash size	Hose size	Flange head dia.	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9730-										
0404S	-04	9/16-18	61,5	2.42	30,7	1.21	3,8	0.15	20,8	0.82
0606S	-06	11/16-16	69,1	2.72	31,8	1.25	6,1	0.24	22,9	0.90
0808S	-08	13/16-16	76,7	3.02	35,1	1.38	9,4	0.37	29,2	1.15
1010S	-10	1-14	83,3	3.28	42,4	1.67	11,7	0.46	32,3	1.27
1212S	-12	1 3/16-12	104,4	4.11	56,9	2.24	14,7	0.58	47,8	1.88
1616S	-16	1 7/16-12	122,9	4.84	69,3	2.73	19,3	0.76	56,1	2.21
*2020S	-20	1 11/16-12	144,0	5.67	82,8	3.26	25,7	1.01	63,8	2.51

ORS swivel 90° elbow long drop

FJ9731-



Dash size	Hose size	Flange head dia.	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9731-										
0404S	-04	9/16-18	61,5	2.42	30,7	1.21	3,8	0.15	45,7	1.80
0606S	-06	11/16-16	72,4	2.85	34,8	1.37	6,1	0.24	54,1	2.13
0808S	-08	13/16-16	80,0	3.15	38,1	1.50	9,4	0.37	63,8	2.51
1010S	-10	1-14	83,3	3.28	42,4	1.67	11,7	0.46	70,1	2.76
1212S	-12	1 3/16-12	104,4	4.11	56,9	2.24	14,7	0.58	96,0	3.78
1616S	-16	1 7/16-12	122,9	4.84	69,3	2.73	19,3	0.76	114,3	4.50
*2020S	-20	11 11/16-12	144,0	5.67	82,8	3.26	25,7	1.01	129,3	5.09

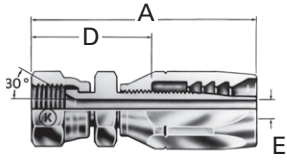
*FC310 only

Note: For correct socket part number, see page I-3.
For flanges, split flange halves, kits and o-rings, see page I-61-I-68.

Hi-Pac fittings

30° swivel-metric threads special komatsu

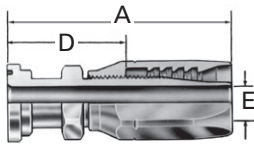
FJ7201-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ7201-								
0306S	-06	M18x1.5	79,0	3.11	41,7	1.64	6,4	0.25
0408S	-08	M22x1.5	84,3	3.32	42,2	1.66	9,4	0.37
0510S	-10	M24x1.5	90,9	3.58	50,0	1.97	12,7	0.50
0612S	-12	M30x1.5	103,6	4.08	56,4	2.22	15,5	0.61
1016S	-16	M33x1.5	123,4	4.86	70,1	2.76	20,3	0.80
1220S	-20	M36x1.5	138,7	5.46	77,7	3.06	24,1	0.95

Komatsu split flange

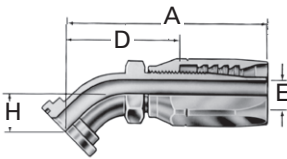
FJ7202-



Dash size	Hose size	Flange head dia.		A		D		EØ	
		mm	in	mm	in	mm	in	mm	in
FJ7202-									
1010S	-10	34,3	1.35	114,8	4.52	73,9	2.91	11,7	0.46

Komatsu split flange 45° elbow

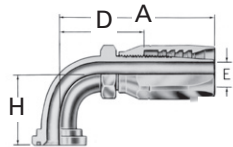
FJ7203-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FJ7203-											
1010S	-10	34,3	1.35	96,5	3.80	55,6	2.19	11,7	0.46	21,8	0.86

Komatsu split flange 90° elbow

FJ7204-



Dash size	Hose size	Flange head dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FJ7204-											
1010S	-10	34,3	1.35	89,7	3.53	48,8	1.92	11,7	0.46	76,7	3.02

*FC310 only

Komatsu split flange fittings require the use of a special O-ring.

Note: For correct socket part number, see page I-3.

Hose fittings – Reusable

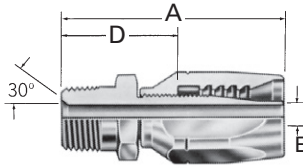
For use with hose:
2766, 2781¹, FC195¹

100R2 skive style

100R2 skive style

Male pipe

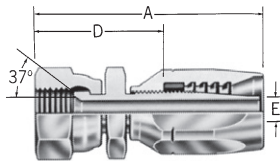
4722-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4722-								
4-4S	-04	1/4-18	63,5	2.50	32,0	1.26	4,3	0.17
6-4S	-04	3/8-18	65,0	2.56	33,5	1.32	4,3	0.17
6-6S	-06	3/8-18	69,9	2.75	32,5	1.28	7,9	0.31
6-8S	-08	3/8-18	72,1	2.84	33,5	1.32	9,9	0.39
8-8S	-08	1/2-14	74,5	3.09	40,1	1.58	9,9	0.39
8-10S	-10	1/2-14	80,8	3.18	41,4	1.63	12,7	0.50
12-12S	-12	3/4-14	91,7	3.61	44,2	1.74	15,5	0.61
16-12S	-12	1-11 1/2	99,6	3.92	52,3	2.06	15,5	0.61
16-16S	-16	1-11 1/2	111,8	4.40	59,9	2.36	20,8	0.82
20-20S	-20	1 1/4-11 1/2	124,5	4.90	65,8	2.59	26,7	1.05
24-24S	-24	1 1/2-11 1/2	126,5	4.98	69,6	2.74	32,5	1.28
32-32S	-32	2-11 1/2	139,7	5.50	77,5	3.05	44,5	1.75

SAE 37° (JIC) swivel

4721



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4721								
4-4S	-04	7/16-20	67,1	2.64	35,8	1.41	4,3	0.17
5-4S	-04	1 1/2-20	69,1	2.72	37,8	1.49	4,3	0.17
6-4S	-04	9/16-18	70,9	2.79	39,6	1.56	4,3	0.17
6-6S	-06	9/16-18	75,7	2.98	38,4	1.51	6,6	0.26
8-6S	-06	3/4-16	79,0	3.11	41,4	1.63	7,9	0.31
8-8S	-08	3/4-16	81,3	3.20	42,7	1.68	9,9	0.39
10-8S	-08	7/8-14	84,1	3.31	45,7	1.80	9,9	0.39
12-8S	-08	1 1/16-12	86,4	3.40	48,0	1.89	9,9	0.39
10S	-10	7/8-14	86,4	3.40	47,0	1.85	12,7	0.50
12-10S	-10	1 1/16-12	88,9	3.50	49,3	1.94	12,7	0.50
12S	-12	1 1/16-12	98,0	3.86	50,5	1.99	15,5	0.61
14-12S	-12	1 3/16-12	100,1	3.94	52,3	2.06	15,5	0.61
16-12S	-12	1 5/16-12	101,6	4.00	54,1	2.13	15,5	0.61
16S	-16	1 5/16-12	113,8	4.48	61,7	2.43	20,8	0.82
20S	-20	1 5/8-12	129,5	5.10	70,6	2.78	26,7	1.05
24S	-24	1 7/8-12	131,1	5.16	74,4	2.93	32,5	1.28
32S	-32	2 1/2-12	149,9	5.90	88,1	3.47	44,5	1.75

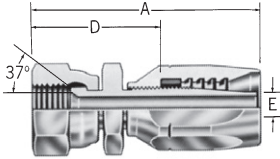
¹SAE 100R2 pressures only.

Note: For correct socket part number, see page I-3.

100R2 skive style

SAE 37° (JIC) swivel

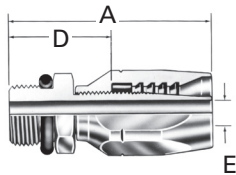
4721-
316 stainless steel
259-4721-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
259-4721-								
4-4	-04	7/16-20	67,1	2.64	35,8	1.41	4,3	0.17
6-4	-04	9/16-18	70,9	2.79	39,6	1.56	4,3	0.17
6-6	-06	9/16-18	75,7	2.98	38,4	1.51	6,6	0.26
8-6	-06	3/4-16	79,0	3.11	41,7	1.64	7,9	0.31
8-8	-08	3/4-16	81,3	3.20	42,7	1.68	9,9	0.39
10-8	-08	7/8-14	84,1	3.31	45,7	1.80	9,9	0.39
10	-10	7/8-14	86,4	3.40	47,0	1.85	12,7	0.50
12	-12	1 1/16-12	98,0	3.86	50,5	1.99	15,5	0.61
16	-16	1 5/16-12	113,8	4.48	61,5	2.42	20,8	0.82

SAE O-ring boss male

190464†

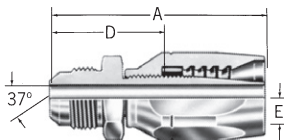


Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190464-								
8S	-08	3/4-16	68,8	2.71	30,5	1.20	9,9	0.39
10-8S	-08	7/8-14	72,1	2.84	33,8	1.33	9,9	0.39
12-8S	-08	1 1/16-12	76,2	3.00	37,8	1.49	9,9	0.39
12S	-12	1 1/16-12	87,9	3.46	40,3	1.59	15,5	0.61
14-12S	-12	1 3/16-12	87,9	3.46	40,3	1.59	15,5	0.61
16S	-16	1 5/16-12	99,8	3.93	47,5	1.87	20,8	0.82
20S	-20	1 5/8-12	111,8	4.40	52,6	2.07	26,7	1.05
24S	-24	1 7/8-12	109,5	4.31	52,6	2.07	32,5	1.28
32S	-32	2 1/2-12	118,9	4.68	56,6	2.23	44,5	1.75

†O-ring not included. See page I-63 for O-Rings.

SAE 37° (JIC) male flare

4725-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4725-								
4-4S	-4	7/16-20	63,2	2.49	31,8	1.25	4,3	0.17
5-4S	-4	1/2-20	63,2	2.49	31,8	1.25	4,3	0.17
6-4S	-4	9/16-18	64,8	2.55	33,8	1.33	4,3	0.17
6-6S	-6	9/16-18	69,9	2.75	32,5	1.28	7,6	0.30
8-6S	-6	3/4-16	73,9	2.91	36,6	1.44	7,9	0.31
8-8S	-8	3/4-16	75,9	2.99	37,6	1.48	9,9	0.39
10-8S	-8	7/8-14	78,7	3.10	40,3	1.59	9,9	0.39
10S	-10	7/8-14	81,0	3.19	41,7	1.64	13,0	0.51
12-8S	-8	1 1/16-12	82,8	3.26	44,5	1.75	9,9	0.39
12-10S	-10	1 1/16-12	85,3	3.36	46,0	1.81	12,7	0.50
12S	-12	1 1/16-12	94,5	3.72	47,0	1.85	15,5	0.61
14-12S	-12	1 3/16-12	95,5	3.76	47,8	1.88	15,5	0.61
16-12S	-12	1 5/16-12	99,1	3.90	51,6	2.03	15,5	0.61
16S	-16	1 5/16-12	111,3	4.38	59,2	2.33	20,8	0.82
20S	-12	1 5/8-12	124,2	4.89	65,5	2.58	26,7	1.05
24S	-24	1 7/8-12	128,5	5.06	71,6	2.82	32,5	1.28

†O-ring not included. See I-63 for O-Rings.

¹SAE 100R2 pressures only.

Note: For correct socket part number, see page I-3.

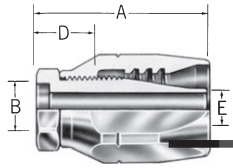
Hose fittings – Reusable

For use with hose:
2766, 2781¹, FC195¹

100R2 skive style

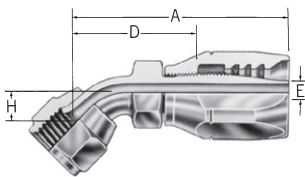
100R2 skive style

Lifesaver*
191000-



Dash size	Hose size	Tube	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
191000-										
4S	-04	1/4	51,6	2.03	6,4	0.25	20,3	0.80	4,3	0.17
6S	-06	3/8	56,4	2.22	9,7	0.38	19,1	0.75	7,9	0.31
8-6S	-06	1/2	58,9	2.32	12,7	0.50	21,3	0.84	7,9	0.31
8S	-08	1/2	60,9	2.40	12,7	0.50	22,6	0.89	9,9	0.39
10-8S	-08	5/8	60,9	2.40	15,7	0.62	22,6	0.89	9,9	0.39
10S	-10	5/8	63,5	2.50	15,7	0.62	23,9	0.94	12,7	0.50
12S	-12	3/4	72,6	2.86	19,1	0.75	25,1	0.99	15,5	0.61
16-12S	-12	1	72,6	2.86	25,4	1.00	25,1	0.99	15,5	0.61
16S	-16	1	84,8	3.34	25,4	1.00	32,8	1.29	20,8	0.82
20-16S	-16	1 1/4	87,9	3.46	31,8	1.25	36,1	1.42	20,8	0.82
24-16S	-16	1 1/2	89,7	3.53	38,1	1.50	37,6	1.48	20,8	0.82
16-20S	-20	1	100,1	3.94	25,4	1.00	41,1	1.62	20,8	0.82
20-20S	-20	1 1/4	100,1	3.94	31,8	1.25	41,1	1.62	26,7	1.05
24-20S	-20	1 1/2	101,6	4.00	38,1	1.50	42,7	1.68	26,7	1.05
20-24S	-24	1 1/4	99,3	3.91	31,8	1.25	42,7	1.68	26,7	1.05
24S	-24	1 1/2	99,3	3.91	38,1	1.50	42,7	1.68	32,5	1.28
32S	-32	2	110,2	4.34	50,8	2.00	41,7	1.64	44,5	1.75

SAE 37° (JIC) swivel
45° elbow
190287-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190287-										
4S	-04	7/16-20	63,8	2.51	32,5	1.28	4,3	0.17	8,4	0.33
6S	-06	9/16-18	71,6	2.82	34,3	1.35	7,9	0.31	9,9	0.39
8-6S	-06	3/4-16	80,5	3.17	43,8	1.70	7,9	0.31	14,0	0.55
8S	-08	3/4-16	82,8	3.26	44,5	1.75	9,9	0.39	14,0	0.55
10-8S	-08	7/8-14	87,6	3.45	49,3	1.94	9,9	0.39	16,3	0.64
10S	-10	7/8-14	89,9	3.54	50,5	1.99	12,7	0.50	16,3	0.64
12S	-12	1 1/16-12	105,4	4.15	57,9	2.28	15,5	0.61	19,8	0.78
16S	-16	1 5/16-12	127,8	5.03	75,4	2.97	20,8	0.82	27,2	1.07
20S	-20	1 5/8-12	149,4	5.88	90,4	3.56	26,7	1.05	31,0	1.22

Also available with metric and jump size counterbores.
¹SAE 100R2 pressures only.

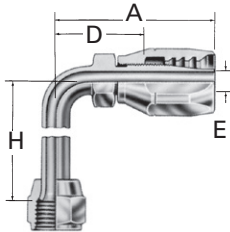
Note: For correct socket part number, see page I-3.

100R2 skive style

SAE 37° (JIC) swivel

90° Elbow (Short)
190264-

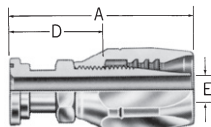
90° Elbow (Long)
190263-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190264-										
4S	-04	7/16-20	60,9	2.40	29,7	1.17	4,3	0.17	17,3	0.68
6S	-06	9/16-18	69,1	2.72	31,8	1.25	7,9	0.31	21,6	0.85
8-6S	-06	3/4-16	74,7	2.94	37,1	1.46	7,9	0.31	27,7	1.09
8S	-08	3/4-16	76,7	3.02	38,6	1.52	9,9	0.39	27,7	1.09
10-8S	-08	7/8-14	80,0	3.15	41,7	1.64	9,9	0.39	31,2	1.23
10S	-10	7/8-14	82,3	3.24	42,9	1.69	12,7	0.50	31,2	1.23
12S	-12	1 1/16-12	104,4	4.11	56,9	2.24	15,5	0.61	46,2	1.82
16S	-16	1 5/16-12	122,9	4.84	70,9	2.79	20,8	0.82	60,7	2.39
20S	-20	1 5/8-12	144,3	5.68	85,3	3.36	26,7	1.05	69,9	2.75
190263-										
4S	-04	7/16-20	60,9	2.40	29,7	1.17	4,3	0.17	45,7	1.80
6S	-06	9/16-18	69,1	2.72	31,8	1.25	7,9	0.31	55,4	2.18
8-6S	-06	3/4-16	77,7	3.06	40,3	1.59	7,9	0.31	61,7	2.43
8S	-08	3/4-16	80,0	3.15	41,7	1.64	9,9	0.39	61,7	2.43
10-8S	-08	7/8-14	86,4	3.40	48,0	1.89	9,9	0.39	65,3	2.57
10S	-10	7/8-14	88,9	3.50	49,3	1.94	12,7	0.50	65,3	2.57
12S	-12	1 1/16-12	104,4	4.11	56,9	2.24	15,5	0.61	94,7	3.73
16S	-16	1 5/16-12	122,9	4.84	70,6	2.78	20,8	0.82	116,3	4.58
20S	-20	1 5/8-12	144,3	5.68	85,3	3.36	26,7	1.05	140,5	5.53

Code 61 SAE J518 straight split flange

4744-



Dash size	Hose size	Flange head Dia.		A		D		EØ	
		mm	in	mm	in	mm	in	mm	in
4744-									
8S	-08	30,2	1.19	77,0	3.03	38,6	1.52	9,9	0.39
12-8S	-08	38,1	1.50	78,0	3.07	39,6	1.56	9,9	0.39
12S	-12	38,1	1.50	89,7	3.53	42,2	1.66	15,5	0.61
16-12S	-12	44,5	1.75	99,6	3.92	52,1	2.05	15,5	0.61
16S	-16	44,5	1.75	118,1	4.65	65,8	2.59	20,8	0.82
20-16S	-16	50,8	2.00	118,1	4.65	66,0	2.60	20,8	0.82
24-16S	-16	60,5	2.38	119,9	4.72	67,6	2.66	20,8	0.82
16-20S	-20	44,5	1.75	142,5	5.61	83,6	3.29	20,8	0.82
20S	-20	50,8	2.00	133,4	5.25	74,4	2.93	26,7	1.05
24-20S	-20	60,5	2.38	133,4	5.25	74,4	2.93	26,7	1.05
24S	-24	60,5	2.38	140,0	5.51	83,1	3.27	32,5	1.28
20-24S	-24	50,8	2.00	132,6	5.22	75,9	2.99	26,7	1.05
32-24S	-24	71,4	2.81	140,0	5.51	83,1	3.27	32,5	1.28
32S	-32	71,4	2.81	161,8	6.37	99,8	3.93	44,5	1.75

Note: For correct socket part number, see page I-3.
For flanges, split flange halves, kits and o-rings, see page I-61–I-68.
¹SAE 100R2 pressures only.

Hose fittings – Reusable

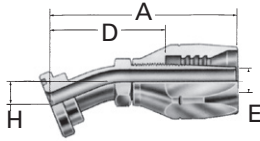
For use with hose:
2766, 2781¹, FC195¹

100R2 skive style

100R2 skive style

Code 61 SAE J518
22 1/2" split flange

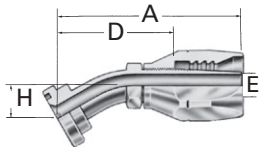
4720-



Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
				mm	in	mm	in	mm	in	mm	in
4720-											
8S	-08	30,2	1.19	95,5	3.76	57,2	2.25	9,9	0.39	12,7	0.50
12S	-12	38,1	1.50	107,2	4.22	62,0	2.44	15,5	0.61	12,7	0.50
16-12S	-12	44,5	1.75	109,7	4.32	62,0	2.44	15,5	0.61	12,7	0.50
16S	-16	44,5	1.75	122,9	4.84	70,9	2.79	20,8	0.82	12,7	0.50
20-16S	-16	50,8	2.00	122,9	4.84	70,9	2.79	20,8	0.82	12,7	0.50
20S	-20	50,8	2.00	139,4	5.49	80,5	3.17	26,7	1.05	12,7	0.50
24S	-24	60,5	2.38	140,2	5.52	83,3	3.28	32,5	1.28	12,7	0.50
32S	-32	71,4	2.81	153,4	6.04	91,4	3.60	44,5	1.75	12,7	0.50

Code 61 SAE J518
30° split flange

190414-



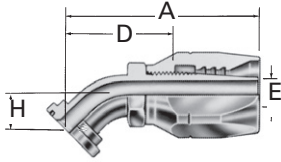
Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
				mm	in	mm	in	mm	in	mm	in
190414-											
12S	-12	38,1	1.50	111,3	4.38	63,8	2.51	15,5	0.61	17,5	0.69
16-12S	-12	44,5	1.75	111,3	4.38	63,8	2.51	15,5	0.61	17,5	0.69
20-12S	-12	50,8	2.00	111,3	4.38	63,8	2.51	15,5	0.61	17,5	0.69
16S	-16	44,5	1.75	117,1	4.61	65,0	2.56	20,8	0.82	12,7	0.50
20-16S	-16	50,8	2.00	117,1	4.61	65,0	2.56	20,8	0.82	12,7	0.50
16-20S	-20	44,5	1.75	153,9	6.06	95,0	3.74	26,7	1.05	24,4	0.96
20S	-20	50,8	2.00	153,9	6.06	95,0	3.74	26,7	1.05	24,4	0.96
24-20S	-20	60,5	2.38	153,9	6.06	95,0	3.74	26,7	1.05	24,4	0.96
32-20S	-20	71,4	2.81	155,4	6.12	96,5	3.80	26,7	1.05	25,1	0.99
20-24S	-24	50,8	2.00	153,4	6.04	96,7	3.81	26,7	1.05	24,4	0.96
24S	-24	60,5	2.38	138,4	5.45	81,8	3.22	32,5	1.28	14,7	0.58
32-24S	-24	71,4	2.81	138,4	5.45	81,8	3.22	32,5	1.28	14,7	0.58
32S	-32	71,4	2.81	155,7	6.13	93,7	3.69	44,5	1.75	16,5	0.65

Note: For flanges, split flange halves, kits and o-rings, see page I-61–I-68.
For socket part numbers, see page I-3.

¹SAE 100R2 pressures only.

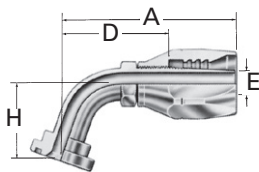
100R2 skive style

Code 61 SAE J518
45° split flange
4745-



Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
				mm	in	mm	in	mm	in	mm	in
4745-											
8S	-08	30,2	1.19	94,2	3.71	55,9	2.20	9,9	0.39	25,4	1.00
12-8S	-08	38,1	1.50	94,2	3.71	55,9	2.20	9,9	0.39	25,4	1.00
16-10S	-10	44,5	1.75	99,3	3.91	59,7	2.35	12,7	0.50	25,4	1.00
12S	-12	38,1	1.50	110,2	4.34	62,7	2.47	15,5	0.61	25,4	1.00
16-12S	-12	44,5	1.75	111,5	4.39	64,0	2.52	15,5	0.61	25,4	1.00
20-12S	-12	50,8	2.00	111,3	4.38	64,0	2.52	15,5	0.61	25,4	1.00
24-12S	-12	60,5	2.38	113,0	4.45	65,0	2.56	15,5	0.61	26,7	1.05
32-12S	-12	71,4	2.81	111,0	4.37	63,5	2.50	15,5	0.61	25,1	0.99
16S	-16	44,5	1.75	129,3	5.09	77,2	3.04	20,8	0.82	28,4	1.12
20-16S	-16	50,8	2.00	129,3	5.09	77,2	3.04	20,8	0.82	28,4	1.12
24-16S	-16	60,5	2.38	130,3	5.13	78,2	3.08	20,8	0.82	29,7	1.17
16-20S	-20	44,5	1.75	144,3	5.68	85,3	3.36	20,8	0.82	28,4	1.12
20S	-20	50,8	2.00	146,8	5.78	87,9	3.46	26,7	1.05	28,4	1.12
24-20S	-20	60,5	2.38	146,8	5.78	87,9	3.46	26,7	1.05	28,4	1.12
32-20S	-20	71,4	2.81	148,1	5.83	89,2	3.51	26,7	1.05	29,7	1.17
20-24S	-24	50,8	2.00	146,3	5.76	89,7	3.53	26,7	1.05	28,4	1.12
24S	-24	60,5	2.38	149,1	5.87	92,2	3.63	32,5	1.28	28,4	1.12
32-24S	-24	71,4	2.81	148,8	5.86	92,2	3.63	32,5	1.28	28,4	1.12
32S	-32	71,4	2.81	168,4	6.63	106,4	4.19	44,5	1.75	31,8	1.25
40-32S	-32	84,1	3.31	169,4	6.67	107,4	4.23	44,5	1.75	33,0	1.30

Code 61 SAE J518
67 1/2° split flange
4767-



Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
				mm	in	mm	in	mm	in	mm	in
4767-											
8S	-08	30,2	1.19	88,1	3.47	49,8	1.96	9,9	0.39	35,1	1.38
12S	-12	38,1	1.50	111,0	4.37	63,5	2.50	15,5	0.61	41,1	1.62
16-12S	-12	44,5	1.75	111,0	4.37	63,5	2.50	15,5	0.61	41,1	1.62
16S	-16	44,5	1.75	128,7	5.07	76,7	3.02	20,8	0.82	44,5	1.75
20-16S	-16	50,8	2.00	128,7	5.07	76,7	3.02	20,8	0.82	44,5	1.75
20S	-20	50,8	2.00	149,4	5.88	90,4	3.56	26,7	1.05	47,8	1.88
24S	-24	60,5	2.38	154,4	6.08	97,5	3.84	32,5	1.28	50,8	2.00
32S	-32	71,4	2.81	176,3	6.94	114,3	4.50	44,5	1.75	57,2	2.25

Note: For flanges, split flange halves, kits and o-rings, see page I-61–I-68.
For socket part numbers, see page I-3.

¹SAE 100R2 pressures only.

Hose fittings – Reusable

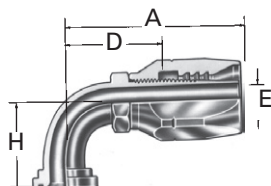
For use with hose:
2766, 2781¹, FC195¹

100R2 skive style

100R2 skive style

Code 61 SAE J518
90° split flange

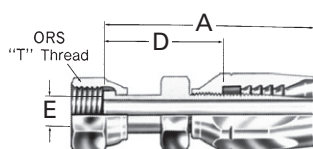
4790-



Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
4790-											
8S	-08	30,2	1.19	80,0	3.15	41,7	1.64	9,9	0.39	41,1	1.62
12-8S	-08	38,1	1.50	80,0	3.15	41,7	1.64	9,9	0.39	41,1	1.62
16-8S	-08	44,5	1.75	80,0	3.15	41,7	1.64	9,9	0.39	45,2	1.78
12-10S	-10	38,1	1.50	88,9	3.50	49,3	1.94	12,7	0.50	51,6	2.03
16-10S	-10	44,5	1.75	88,9	3.50	49,3	1.94	12,7	0.50	53,8	2.12
8-12S	-12	30,2	1.19	91,7	3.61	44,2	1.74	9,4	0.37	41,1	1.62
12S	-12	38,1	1.50	104,4	4.11	56,9	2.24	15,5	0.61	53,8	2.12
16-12S	-12	44,5	1.75	104,4	4.11	56,9	2.24	15,5	0.61	53,8	2.12
20-12S	-12	50,8	2.00	104,4	4.11	56,9	2.24	15,5	0.61	53,8	2.12
24-12S	-12	60,5	2.38	104,4	4.11	56,9	2.24	15,5	0.61	56,4	2.22
12-16S	-16	38,1	1.50	116,6	4.59	64,5	2.54	20,8	0.82	53,8	2.12
16S	-16	44,5	1.75	122,9	4.84	70,9	2.79	20,8	0.82	60,5	2.38
20-16S	-16	50,8	2.00	122,9	4.84	70,9	2.79	20,8	0.82	60,5	2.38
24-16S	-16	60,5	2.38	122,9	4.84	70,9	2.79	20,8	0.82	62,0	2.44
32-16S	-16	71,4	2.81	122,9	4.84	70,9	2.79	20,8	0.82	59,4	2.34
16-20S	-20	44,5	1.75	138,2	5.44	79,2	3.12	20,8	0.82	60,5	2.38
20S	-20	50,8	2.00	144,3	5.68	85,3	3.36	26,7	1.05	63,5	2.50
24-20S	-20	60,5	2.38	144,3	5.68	85,3	3.36	26,7	1.05	63,5	2.50
32-20S	-20	71,4	2.81	144,3	5.68	85,3	3.36	26,7	1.05	65,0	2.56
20-24S	-24	50,8	2.00	143,8	5.66	86,9	3.42	26,7	1.05	63,5	2.50
24S	-24	60,5	2.38	150,1	5.91	93,5	3.68	32,5	1.28	69,9	2.75
32-24S	-24	71,4	2.81	150,1	5.91	93,5	3.68	32,5	1.28	69,9	2.75
32S	-32	71,4	2.81	173,7	6.84	111,8	4.40	44,5	1.75	82,6	3.25
40-32S	-32	84,1	3.31	173,7	6.84	111,8	4.40	44,5	1.75	84,1	3.31

ORS swivel straight

FJ9732-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ9732-								
0404S	-04	9/16-18	69,9	2.75	38,6	1.52	4,3	0.17
0606S	-06	11/16-16	76,7	3.02	39,4	1.55	6,6	0.26
0808S	-08	13/16-16	86,4	3.40	48,0	1.89	9,9	0.39
1010S	-10	1-14	90,9	3.58	51,6	2.03	12,7	0.50
1212S	-12	1 3/16-12	102,9	4.05	55,4	2.18	15,5	0.61
1616S	-16	1 7/16-12	121,4	4.78	69,3	2.73	20,8	0.82
2020S	-20	1 11/16-12	135,1	5.32	76,2	3.00	26,7	1.05
2424S	-24	2-12	135,9	5.35	79,2	3.12	32,0	1.26

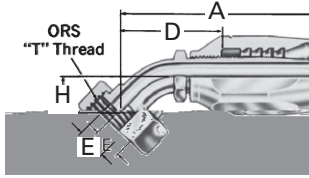
Note: For socket part numbers, see page I-3.
For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

¹SAE 100R2 pressures only.

100R2 skive style

ORS swivel 45° elbow

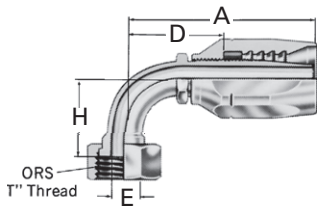
FJ9733-



Dash size	Hose size	"T" Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9733-										
0404S	-04	9/16-18	66,5	2.62	35,3	1.39	3,8	0.15	10,4	0.41
0606S	-06	11/16-16	72,6	2.86	35,3	1.39	6,1	0.24	10,9	0.43
0808S	-08	13/16-16	83,8	3.30	45,5	1.79	9,4	0.37	15,0	0.59
1010S	-10	1-14	91,2	3.59	51,6	2.03	11,7	0.46	16,5	0.65
1212S	-12	1 3/16-12	106,9	4.21	59,4	2.34	14,7	0.58	21,1	0.83
1616S	-16	1 7/16-12	124,7	4.91	72,4	2.85	19,3	0.76	23,9	0.94
2020S	-20	1 11/16-12	146,3	5.76	87,4	3.44	25,7	1.01	25,4	1.00
2424S	-24	2-12	147,6	5.81	90,9	3.58	32,0	1.26	27,2	1.07

ORS swivel 90° elbow short drop

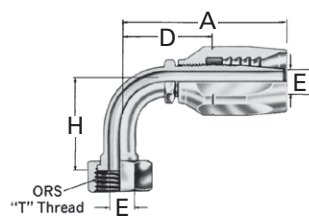
FJ9734-



Dash size	Hose size	"T" Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9734-										
0404S	-04	9/16-18	62,7	2.47	31,2	1.23	3,8	0.15	20,8	0.82
0606S	-06	11/16-16	69,1	2.72	31,8	1.25	6,1	0.24	22,9	0.90
0808S	-08	13/16-16	76,7	3.02	38,6	1.52	9,4	0.37	29,2	1.15
1010S	-10	1-14	82,3	3.24	42,9	1.69	11,7	0.46	32,3	1.27
1212S	-12	1 3/16-12	104,4	4.11	56,9	2.24	14,7	0.58	47,8	1.88
1616S	-16	1 7/16-12	122,9	4.84	70,6	2.78	19,3	0.76	56,1	2.21
2020S	-20	1 11/16-12	144,3	5.68	85,3	3.36	25,7	1.01	63,8	2.51
2424S	-24	2-12	150,1	5.91	93,5	3.68	32,0	1.26	68,6	2.70

ORS swivel 90° elbow long drop

FJ9735-



Dash size	Hose size	"T" Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9735-										
0404S	-04	9/16-18	66,5	2.62	35,3	1.39	3,8	0.15	45,7	1.80
0606S	-06	11/16-16	72,4	2.85	34,8	1.37	6,1	0.24	54,1	2.13
0808S	-08	13/16-16	80,0	3.15	41,7	1.64	9,4	0.37	63,8	2.51
1010S	-10	1-14	82,3	3.24	42,9	1.69	11,7	0.46	70,1	2.76
1212S	-12	1 3/16-12	104,4	4.11	56,9	2.24	14,7	0.58	96,0	3.78
1616S	-16	1 7/16-12	122,9	4.84	70,6	2.78	19,3	0.76	114,3	4.50
2020S	-20	1 11/16-12	144,3	5.68	85,3	3.36	25,7	1.01	129,3	5.09
2424S	-24	2-12	150,1	5.91	93,5	3.68	32,0	1.26	140,7	5.54

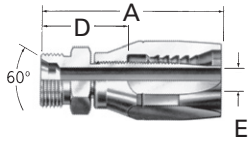
Note: For socket part numbers, see page I-3.
For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

¹SAE 100R2 pressures only.
¹Approved to 100R2 pressures only.

100R2 skive style

Male 60° DIN 7631/7647

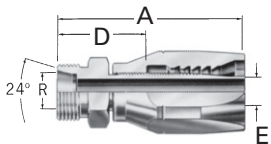
07.078-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
07.078-								
4-4	-04	M12 x 1.5	61,0	2.40	29,5	1.16	4,0	0.16
6-4	-04	M14 x 1.5	61,0	2.40	29,5	1.16	4,0	0.16
8-6	-06	M16 x 1.5	66,0	2.60	28,5	1.12	8,0	0.31
10-6	-06	M18 x 1.5	66,0	2.60	28,5	1.12	8,0	0.31
13-8	-08	M22 x 1.5	70,0	2.76	31,5	1.24	10,0	0.39
16-10	-10	M26 x 1.5	72,5	2.85	33,0	1.30	13,0	0.51
20-12	-12	M30 x 1.5	84,0	3.31	36,5	1.44	15,5	0.61
25-16	-16	M38 x 1.5	98,0	3.86	46,0	1.81	20,5	0.81
32-20	-20	M45 x 1.5	110,0	4.33	51,0	2.01	26,5	1.04
40-24	-24	M52 x 1.5	110,0	4.33	53,0	2.09	32,5	1.28
50-32	-32	M65 x 2	122,0	4.80	60,0	2.36	44,5	1.75

Male 24° DIN 3901/3902 I.Rh

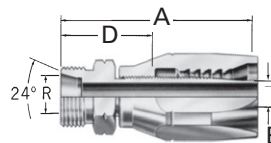
07.013-



Dash size	Hose size	Thread	A		D		EØ		RØ	
			mm	in	mm	in	mm	in	mm	in
07.013-										
6-4	-04	M12 x 1.5	61,0	2.40	29,5	1.16	4,0	0.16	6,0	0.24
8-4	-04	M14 x 1.5	61,0	2.40	29,5	1.16	4,0	0.16	8,0	0.31
10-6	-06	M16 x 1.5	67,0	2.64	29,5	1.16	8,0	0.31	10,0	0.39
12-6	-06	M18 x 1.5	77,0	2.64	29,5	1.16	8,0	0.31	12,0	0.47
15-8	-08	M22 x 1.5	70,0	2.76	31,5	1.24	10,0	0.39	15,0	0.59
18-10	-10	M26 x 1.5	72,5	2.85	33,0	1.30	13,0	0.51	18,0	0.71
22-12	-12	M30 x 2	86,0	3.39	38,5	1.52	15,5	0.61	22,0	0.87
28-16	-16	M36 x 2	98,0	3.86	46,0	1.81	20,5	0.81	28,0	1.10
35-20	-20	M45 x 2	112,0	4.41	53,0	2.09	26,5	1.04	35,0	1.38
42-24	-24	M52 x 2	112,0	4.41	55,0	2.17	32,5	1.28	42,0	1.65

Male 24° DIN 3901/3902 s.Rh

07.005-



Dash size	Hose size	Thread	A		D		EØ		RØ	
			mm	in	mm	in	mm	in	mm	in
07.005-										
8-4	-04	M16 x 1.5	63,0	2.48	31,5	1.24	4,0	0.16	8,0	0.31
10-4	-04	M18 x 1.5	63,0	2.48	31,5	1.24	4,0	0.16	10,0	0.39
12-6	-06	M20 x 1.5	68,0	2.68	30,5	1.20	8,0	0.31	12,0	0.47
14-6	-06	M22 x 1.5	70,0	2.76	32,5	1.28	8,0	0.31	14,0	0.55
16-8	-08	M24 x 1.5	70,0	2.83	33,5	1.32	10,0	0.39	16,0	0.63
20-10	-10	M30 x 2	72,0	3.09	39,0	1.54	13,0	0.51	20,0	0.79
25-12	-12	M36 x 2	90,0	3.54	42,5	1.67	15,5	0.61	25,0	0.98
30-16	-16	M42 x 2	104,0	4.09	52,0	2.05	20,5	0.81	30,0	1.18
38-20	-20	M52 x 2	120,0	4.72	59,0	2.32	26,5	1.04	38,0	1.50

*Rf dimension is tube O.D. and refers to mating component when not called out on the illustration.
¹SAE 100R2 pressures only.

Note: For correct socket part number, see page I-3.

Hose fittings – Reusable

Female swivel 60° DIN 7631/7647

07.357-

Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
07.357-								
20-12	-12	M30 x 1.5	93,5	3.68	46,0	1.81	15,5	0.61
25-16	-16	M38 x 1.5	108,0	4.25	56,0	0.20	20,5	0.81
32-20	-20	M45 x 1.5	122,0	4.80	63,0	2.48	26,5	1.04
40-24	-24	M52 x 1.5	119,5	4.70	62,5	2.46	32,5	1.28
50-32	-32	M65 x 2	133,5	5.26	71,5	2.81	44,5	1.75

*Rf dimension is tube O.D. and refers to mating component when not called out on the illustration.

Note: For correct socket part number, see page I-3.

¹SAE 100R2 pressures only.

Female swivel 24° DIN 3901/3902 I.Rh.

07.327-

Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
07.327-										
4-4†	-04	M12 x 1.5	67,0	2.64	35,5	1.40	4,0	0.16	6,0	0.24
6-4†	-04	M14 x 1.5	67,0	2.64	35,5	1.40	4,0	0.16	8,0	0.31
8-6†	-06	M16 x 1.5	73,5	2.89	36,0	1.42	8,0	0.31	10,0	0.39
10-6†	-06	M18 x 1.5	73,5	2.89	36,0	1.42	8,0	0.31	12,0	0.47
13-8†	-08	M22 x 1.5	77,5	3.05	39,0	1.54	10,0	0.39	15,0	0.59
16-8†	-08	M26 x 1.5	80,5	3.17	42,0	1.65	10,0	0.39	18,0	0.71
16-10†	-10	M26 x 1.5	83,0	3.27	43,5	1.71	13,0	0.51	18,0	0.71
22-12	-12	M30 x 2	95,0	3.74	47,5	1.87	15,5	0.61	22,0	0.87
28-16	-16	M36 x 2	108,5	4.27	56,5	2.22	20,5	0.81	28,0	1.10
35-20	-20	M45 x 2	121,5	4.78	62,5	2.46	26,5	1.04	35,0	1.38
42-24	-24	M52 x 2	122,0	4.80	65,0	2.56	32,5	1.28	42,0	1.65

Female swivel 24° DIN 3901/3902 s.Rh.

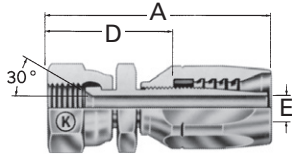
07.721-

Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in

100R2 skive style

30° swivel-metric threads special Komatsu

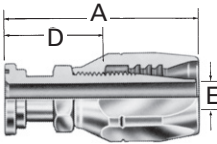
FC5432-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC5432-								
0306S	-06	M18 x 1.5	79,0	3.11	41,7	1.64	6,4	0.25
0408S	-08	M22 x 1.5	84,3	3.32	45,7	1.80	9,4	0.37
0510S	-10	M24 x 1.5	90,2	3.55	50,8	2.00	12,7	0.50
0612S	-12	M30 x 1.5	103,6	4.08	56,1	2.21	15,5	0.61
1016S	-16	M33 x 1.5	123,7	4.87	71,4	2.81	20,8	0.82
1220S	-20	M36 x 1.5	139,2	5.48	80,0	3.15	24,1	0.95
1424S	-24	M42 x 1.5	140,2	5.52	83,6	3.29	30,2	1.19

Komatsu split flange

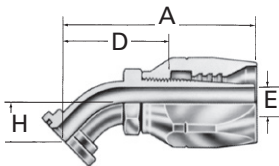
FJ9066-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ9066-								
1010S	-10	34,3 1.35	113,8	4.48	74,4	2.93	11,7	0.46

Komatsu split flange 45° elbow

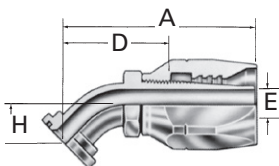
FJ9065-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9065-										
1010S	-10	34,3 1.35	95,8	3.77	56,4	2.22	11,7	0.46	21,8	0.86

Komatsu split flange 90° elbow

FJ9064-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9064-										
1010S	-10	34,3 1.35	88,9	3.50	49,3	1.94	11,7	0.46	51,3	2.02

†Universal fitting also mates with DIN 7631/7647 60° connection

*Rø dimension is tube O.D. and refers to mating component when not called out on the illustration.

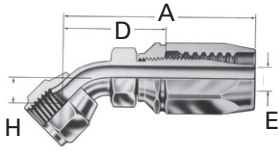
¹SAE 100R2 pressures only.

Komatsu split flange fittings require the use of a special o-ring.

Note: For correct socket part number, see page I-3.

100R2 TTC

SAE 37° (JIC) swivel 45° elbow
FC5990-



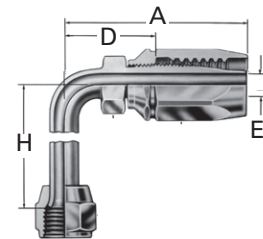
Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FC5990-										
0404S	-04	7/16-20	63,8	2.51	34,0	1.34	4,3	0.17	8,4	0.33
0606S	-06	9/16-18	71,6	2.82	37,6	1.48	7,9	0.31	9,9	0.39
0808S	-08	3/4-16	82,8	3.26	44,5	1.75	9,9	0.39	14,0	0.55
1212S	-12	1 1/16-12	105,4	4.15	57,9	2.28	15,5	0.61	19,8	0.78
1616S	-16	1 5/16-12	127,8	5.03	75,7	2.98	20,8	0.82	27,2	1.07

SAE 37° (JIC) swivel
90° elbow (short)

FC5992-

90° elbow (long)

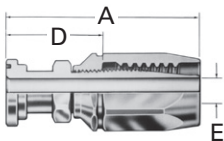
FC5991-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FC5992-										
4-4	-	-	-	-	-	-	-	-	-	-
0404S	-04	7/16-20	60,9	2.40	31,2	1.23	4,3	0.17	17,3	0.68
0606S	-06	9/16-18	69,1	2.72	35,1	1.38	7,9	0.31	21,6	0.85
0808S	-08	3/4-16	76,7	3.02	38,6	1.52	9,9	0.39	27,7	1.09
1212S	-12	1 1/16-12	104,4	4.11	56,9	2.24	15,5	0.61	46,2	1.82
1616S	-16	1 5/16-12	122,9	4.84	70,9	2.79	20,8	0.82	60,7	2.39
FC5991-										
0404S	-04	7/16-20	60,9	2.40	31,2	1.23	4,3	0.17	45,7	1.80
0606S	-06	9/16-18	69,1	2.72	35,1	1.38	7,9	0.31	55,4	2.18
0808S	-08	3/4-16	80,0	3.15	41,7	1.64	9,9	0.39	61,7	2.43
1212S	-12	1 1/16-12	104,4	4.11	56,9	2.24	15,5	0.61	94,7	3.73
1616S	-16	1 5/16-12	122,9	4.84	70,9	2.79	20,8	0.82	116,3	4.58

Code 61 SAE J518 straight
split flange

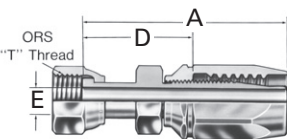
FC5993-



Dash size	Hose size	A		D		EØ	
		mm	in	mm	in	mm	in
FC5993-							
0808S	-08	77,0	3.03	38,6	1.52	9,9	0.39
1212S	-12	89,7	3.53	42,2	1.66	15,5	0.61
1616S	-16	118,1	4.65	66,0	2.60	20,8	0.82

ORS swivel straight

FJ7344-



Dash size	Hose size	"T" Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ7344-								
0404S	-04	9/16-18	70,1	2.76	40,3	1.59	4,1	0.16
0606S	-06	11/16-16	77,0	3.03	42,9	1.69	6,6	0.26
0808S	-08	13/16-16	86,4	3.40	48,0	1.89	9,1	0.36
1212S	-12	1 3/16-12	103,1	4.06	59,9	2.36	14,0	0.55
1616S	-16	1 7/16-12	121,7	4.79	69,6	2.74	19,8	0.78

For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

¹SAE 100R2 pressures only.

For correct socket part number, see page I-3.

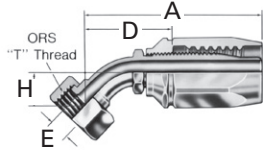
Hose fittings – Reusable

For use with hose:
GH793¹

100R2 TTC

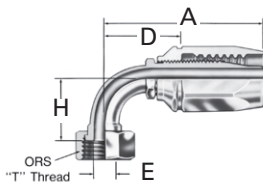
100R2 TTC

ORS swivel 45° elbow
FJ7345-



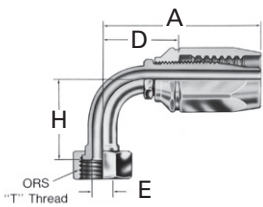
Dash size	Hose size	"T" Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ7345-										
0404S	-04	9/16-18	66,5	2.62	36,8	1.45	4,3	0.17	10,4	0.41
0606S	-06	11/16-16	72,9	2.87	38,9	1.53	6,6	0.26	10,9	0.43
0808S	-08	13/16-16	83,8	3.30	45,5	1.79	9,7	0.38	15,0	0.59
1212S	-12	1 3/16-12	106,9	4.21	59,4	2.34	15,5	0.61	21,1	0.83
1616S	-16	1 7/16-12	124,7	4.91	72,6	2.86	20,6	0.81	23,9	0.94

ORS swivel 90° elbow short drop
FJ7346-



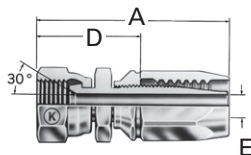
Dash size	Hose size	"T" Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ7346-										
0404S	-04	9/16-18	62,7	2.47	33,0	1.30	4,3	0.17	20,8	0.82
0606S	-06	11/16-16	69,1	2.72	35,1	1.38	6,6	0.26	22,9	0.90
0808S	-08	13/16-16	77,0	3.03	38,6	1.52	9,7	0.38	29,2	1.15
1212S	-12	1 3/16-12	104,4	4.11	56,9	2.24	15,5	0.61	47,8	1.88
1616S	-16	1 7/16-12	122,9	4.84	70,9	2.79	20,6	0.81	56,1	2.21

ORS swivel 90° elbow long drop
FJ7347-



Dash size	Hose size	"T" Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ7347-										
0404S	-04	9/16-18	62,7	2.47	33,0	1.30	4,3	0.17	45,7	1.80
0606S	-06	11/16-16	72,4	2.85	38,4	1.51	6,6	0.26	54,1	2.13
0808S	-08	13/16-16	80,0	3.15	41,7	1.64	9,7	0.38	63,8	2.51
1212S	-12	1 3/16-12	104,4	4.11	56,9	2.24	15,5	0.61	96,0	3.78
1616S	-16	1 7/16-12	122,9	4.84	70,9	2.79	20,6	0.81	114,3	4.50

30° swivel-metric threads special Komatsu
FJ7200-



Dash size	Hose size	"T" Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ7200-								
0306S	-06	M18x1.5	79,0	3.11	45,0	1.77	6,4	0.25
0408S	-08	M22x1.5	84,3	3.32	45,7	1.80	9,4	0.37
0512S	-12	M24x1.5	99,6	3.92	52,3	2.06	12,2	0.48
0612S	-12	M30x1.5	103,6	4.08	56,4	2.22	15,5	0.61
1016S	-16	M33x1.5	123,4	4.86	71,6	2.82	20,3	0.80

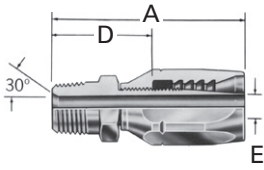
¹SAE 100R2 pressures only.

Note: For socket part number, see page I-3.

Spiral skive style fittings

Male pipe

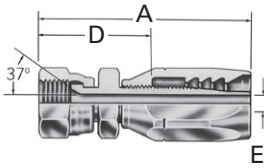
190934-
FC7640-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190934-								
4-6S	-06	1/4-18	78,0	3.07	36,8	1.45	7,6	0.30
6-6S	-06	3/8-18	78,0	3.07	36,8	1.45	7,6	0.30
6-8S	-08	3/8-18	72,1	2.84	33,8	1.33	9,9	0.39
8-8S	-08	1/2-14	74,5	3.09	40,1	1.58	9,9	0.39
12-12S	-12	3/4-14	91,7	3.61	44,2	1.74	15,5	0.61
16-16S	-16	1-11 1/2	111,8	4.40	59,7	2.35	20,8	0.82
FC7640-								
2020S	-20	1 1/4-11 1/2	138,2	5.44	62,0	2.44	26,7	1.05
2424S	-24	1 1/2-11 1/2	146,3	5.76	71,6	2.82	32,5	1.28

SAE 37° (JIC) swivel

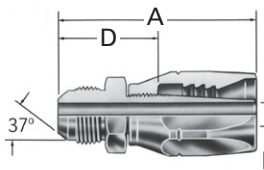
190933-
FC7639-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190933-								
6-6S	-06	9/16-18	83,8	3.30	42,7	1.68	7,6	0.30
8-6S	-06	3/4-16	87,1	3.43	46,0	1.81	7,6	0.30
8-8S	-08	3/4-16	81,3	3.20	42,7	1.68	9,9	0.39
10-8S	-08	7/8-14	84,1	3.31	45,7	1.80	9,9	0.39
12S	-12	1 1/16-12	98,0	3.86	50,5	1.99	15,5	0.61
16S	-16	1 5/16-12	113,8	4.48	61,7	2.43	20,8	0.82
FC7639-								
2020S	-20	1 5/8-12	143,3	5.64	67,1	2.64	26,7	1.05
2424S	-24	1 7/8-12	154,4	6.08	79,5	3.13	32,5	1.28

SAE 37° (JIC) male flare

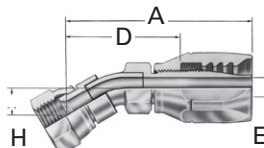
190992-
FC7740-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190992-								
8-8S	-08	3/4-16	75,9	2.99	37,6	1.48	9,9	0.39
10-8S	-08	7/8-14	78,7	3.10	40,1	1.58	9,9	0.39
12S	-12	1 1/16-12	94,5	3.72	47,0	1.85	15,5	0.61
16S	-16	1 5/16-12	111,3	4.38	59,2	2.33	20,8	0.82
FC7740-								
2020S	-20	1 5/8-12	137,9	5.43	61,7	2.43	26,7	1.05
2424S	-24	1 7/8-12	148,6	5.85	73,7	2.90	32,5	1.28

SAE 37° (JIC) swivel 22 1/2° elbow

FC5978-
FC5979-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FC5978-										
0808S	-08	3/4-16	102,4	4.03	64,0	2.52	9,9	0.39	11,9	0.47
1212S	-12	1 1/16-12	119,9	4.72	72,4	2.85	15,5	0.61	13,2	0.52
1616S	-16	1 5/16-12	147,1	5.79	95,0	3.74	20,8	0.82	17,5	0.69
FC5979-										
2020S	-20	1 5/8-12	185,9	7.32	109,7	4.32	26,7	1.05	20,3	0.80
2424S	-24	1 7/8-12	211,3	8.32	136,4	5.37	32,5	1.28	24,1	0.95

Note: For socket part numbers, see page I-3.

Hose fittings – Reusable

For use with hose:
GH493, FC736

Spiral hose

Spiral skive style fittings

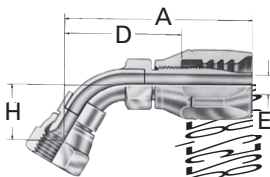
D A

E



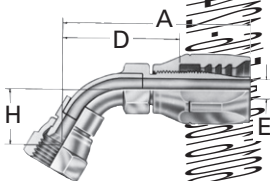
Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
	-08	3/4-16	100,3	3.95	62,0	2.44	9,9	0.39	24,1	0.95
	-12	1 1/16-12	123,7	4.87	76,2	3.00	15,5	0.61	29,5	1.16
	-16	1 5/16-12	152,4	6.00	100,1	3.94	20,8	0.82	38,9	1.53
			mm	in	mm	in	mm	in	mm	in
	-20	1 5/8-12	188,5	7.42	112,2	4.42	26,7	1.05	43,8	1.70
	-24	1 7/8-12	212,9	8.38	137,9	5.43	32,5	1.28	50,5	1.99

60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



SAE 37° (JIC) swivel
67 1/2° elbow

FJ9025-
FJ9026-



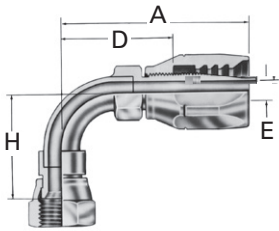
Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9025-										
0808S	-08	3/4-16	98,0	3.86	59,7	2.35	9,9	0.39	37,3	1.47
1212S	-12	1 1/16-12	121,4	4.78	73,9	2.91	15,5	0.61	45,7	1.80
1616S	-16	1 5/16-12	148,3	5.84	96,0	3.78	20,8	0.82	59,9	2.36
FJ9026-										
2020S	-20	1 5/8-12	183,9	7.24	107,7	4.24	26,7	1.05	66,5	2.62
2424S	-24	1 7/8-12	195,6	7.70	120,7	4.75	32,5	1.28	70,1	2.76

Note: For socket part numbers, see page I-3.

Spiral skive style fittings

SAE 37° (JIC) swivel
90° elbow

FJ9027-
FJ9028-



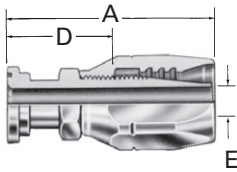
Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9027-										
0808S	-08	3/4-16	89,4	3.52	51,3	2.02	9,9	0.39	47,5	1.87
1212S	-12	1 1/16-12	112,5	4.43	65,0	2.56	15,5	0.61	59,7	2.35
1616S	-16	1 5/16-12	135,6	5.34	83,3	3.28	20,8	0.82	77,2	3.04
FJ9028-										
2020S	-20	1 5/8-12	170,7	6.72	94,5	3.72	26,7	1.05	86,4	3.40
2424S	-24	1 7/8-12	191,0	7.52	115,8	4.56	32,5	1.28	100,3	3.95

Straight split flange
Code 61 SAE J518

190935-
FC7713-

Code 62 SAE J518

FC7370-
FC5973-



Dash size	Hose size	Flange head dia.		A		D		EØ	
		mm	in	mm	in	mm	in	mm	in
190935-									
8S	-08	30,2	1.19	102,9	4.05	64,5	2.54	9,4	0.37
12-8S	-08	38,1	1.50	102,9	4.05	64,5	2.54	9,4	0.37
12S	-12	38,1	1.50	121,7	4.79	74,2	2.92	14,2	0.56
16-12S	-12	44,5	1.75	121,7	4.79	74,2	2.92	14,2	0.56
16S	-16	44,5	1.75	144,5	5.69	92,2	3.63	20,6	0.81
20-16S	-16	50,8	2.00	144,5	5.69	92,2	3.63	20,6	0.81
FC7713-									
2020S	-20	50,8	2.00	174,2	6.86	98,0	3.86	26,7	1.05
2420S	-20	60,5	2.38	174,2	6.86	98,0	3.86	26,7	1.05
2424S	-24	60,5	2.38	199,6	7.86	124,5	4.90	32,5	1.28
3224S	-24	71,4	2.81	199,6	7.86	124,5	4.90	32,5	1.28
FC7370-									
1208S	-08	41,1	1.62	102,9	4.05	64,5	2.54	9,4	0.37
1212S	-12	41,1	1.62	121,7	4.79	74,2	2.92	14,2	0.56
1612S	-12	47,8	1.88	121,7	4.79	74,2	2.92	14,2	0.56
1616S	-16	47,8	1.88	144,5	5.69	92,2	3.63	20,6	0.81
2016S	-16	53,8	2.12	144,5	5.69	92,2	3.63	20,6	0.81
FC5973-									
2020S	-20	53,8	2.12	174,2	6.86	97,8	3.85	26,7	1.05
2420S	-20	63,5	2.50	174,2	6.86	97,8	3.85	26,7	1.05
2424S	-24	63,5	2.50	199,6	7.86	124,5	4.90	32,5	1.28
3224S	-24	79,2	3.12	199,6	7.86	124,5	4.90	32,5	1.28

Note: For flanges, split flange halves, kits and o-rings, see page I-61–I-68.
For socket part numbers, see page I-3.

Hose fittings – Reusable

For use with hose:
GH493, FC736

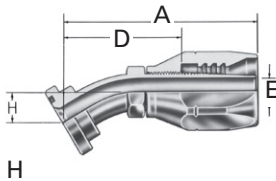
Spiral hose

Spiral skive style fittings

22 1/2° split flange

Code 61 SAE J518
FC9634-
FC7714-

Code 62 SAE J518
FC7983-
FC5974-

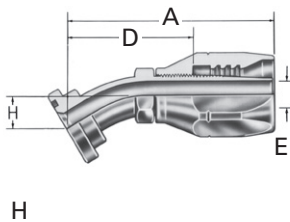


Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC9634-											
0808S	-08	30,2	1.19	96,7	3.81	58,4	2.30	9,9	0.39	9,7	0.38
1208S	-08	38,1	1.50	96,7	3.81	58,4	2.30	9,9	0.39	9,7	0.38
1212S	-12	38,1	1.50	114,6	4.51	67,1	2.64	15,5	0.61	11,2	0.44
1612S	-12	44,5	1.75	114,6	4.51	67,1	2.64	15,5	0.61	11,2	0.44
1616S	-16	44,5	1.75	131,6	5.18	79,2	3.12	20,8	0.82	11,2	0.44
2016S	-16	50,8	2.00	131,6	5.18	79,2	3.12	20,8	0.82	11,2	0.44
FC7714-											
2020S	-20	50,8	2.00	167,9	6.61	91,7	3.61	26,7	1.05	12,7	0.50
2420S	-20	60,5	2.38	167,9	6.61	91,7	3.61	26,7	1.05	12,7	0.50
2424S	-24	60,5	2.38	192,0	7.56	117,1	4.61	32,5	1.28	16,0	0.63
3224S	-24	71,4	2.81	192,0	7.56	117,1	4.61	32,5	1.28	16,0	0.63
FC7983-											
1208S	-08	41,1	1.62	96,7	3.81	58,4	2.30	9,9	0.39	9,7	0.38
1212S	-12	41,1	1.62	114,6	4.51	67,1	2.64	15,5	0.61	11,2	0.44
1612S	-12	47,8	1.88	114,6	4.51	67,1	2.64	15,5	0.61	11,2	0.44
1616S	-16	47,8	1.88	131,6	5.18	79,2	3.12	20,8	0.82	11,2	0.44
2016S	-16	53,8	2.12	131,6	5.18	79,2	3.12	20,8	0.82	11,2	0.44
FC5974-											
2020S	-20	53,8	2.12	167,9	6.61	91,7	3.61	26,7	1.05	12,7	0.50
2420S	-20	63,5	2.50	167,9	6.61	91,7	3.61	26,7	1.05	12,7	0.50
2424S	-24	63,5	2.50	192,0	7.56	117,1	4.61	32,5	1.28	16,0	0.63
3224S	-24	79,2	3.12	192,0	7.56	117,1	4.61	57,9	2.28	16,0	0.63

30° split flange

Code 61 SAE J518
FC9459-
FC7790-

Code 62 SAE J518
FC7371-
FC5975-



Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC9459-											
0808S	-08	30,2	1.19	95,8	3.77	57,4	2.26	9,9	0.39	12,7	0.50
1208S	-08	38,1	1.50	95,8	3.77	57,4	2.26	9,9	0.39	12,7	0.50
1212S	-12	38,1	1.50	113,3	4.46	65,8	2.59	15,5	0.61	14,7	0.58
1612S	-12	44,5	1.75	113,3	4.46	65,8	2.59	15,5	0.61	14,7	0.58
1616S	-16	44,5	1.75	134,1	5.28	81,8	3.22	20,8	0.82	15,7	0.62
2016S	-16	50,8	2.00	134,1	5.28	81,8	3.22	20,8	0.82	15,7	0.62
FC7790-											
2020S	-20	50,8	2.00	172,2	6.78	96,0	3.78	26,7	1.05	18,3	0.72
2420S	-20	60,5	2.38	172,2	6.78	96,0	3.78	26,7	1.05	18,3	0.72
2424S	-24	60,5	2.38	195,1	7.68	120,1	4.73	32,5	1.28	22,4	0.88
3224S	-24	71,4	2.81	195,1	7.68	120,1	4.73	32,5	1.28	22,4	0.88
FC7371-											
1208S	-08	41,1	1.62	95,8	3.77	57,4	2.26	9,9	0.39	12,7	0.50
1212S	-12	41,1	1.62	113,3	4.46	65,8	2.59	15,5	0.61	14,7	0.58
1612S	-12	47,8	1.88	113,3	4.46	65,8	2.59	15,5	0.61	14,7	0.58
1616S	-16	47,8	1.88	134,1	5.28	81,8	3.22	20,8	0.82	15,7	0.62
2016S	-16	53,8	2.12	134,1	5.28	81,8	3.22	20,8	0.82	15,7	0.62
FC5975-											
2020S	-20	53,8	2.12	172,2	6.78	96,0	3.78	26,7	1.05	18,3	0.72
2420S	-20	63,5	2.50	172,2	6.78	96,0	3.78	26,7	1.05	18,3	0.72
2424S	-24	63,5	2.50	195,1	7.68	120,1	4.73	32,5	1.28	22,4	0.88
3224S	-24	79,2	3.12	195,1	7.68	120,1	4.73	32,5	1.28	22,4	0.88

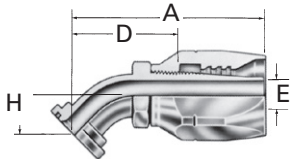
Note: For correct socket part number, see page I-3.
For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

Spiral skive style fittings

45° split flange

Code 61 SAE J518
190936-
FC7715-

Code 62 SAE J518
FC7372-
FC5976-

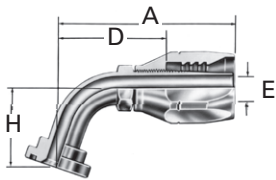


Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
190936-											
8S	-08	30,2	1.19	96,0	3.78	57,7	2.27	9,4	0.37	19,8	0.78
12-8S	-08	38,1	1.50	96,0	3.78	57,7	2.27	9,4	0.37	19,8	0.78
12S	-12	38,1	1.50	119,6	4.71	72,1	2.84	14,2	0.56	25,4	1.00
16-12S	-12	44,5	1.75	119,6	4.71	72,1	2.84	14,2	0.56	25,4	1.00
16S	-16	44,5	1.75	140,5	5.53	88,1	3.47	20,6	0.81	26,9	1.06
20-16S	-16	50,8	2.00	140,5	5.53	88,1	3.47	20,6	0.81	26,9	1.06
FC7715-											
1620S	-20	44,5	1.75	169,2	6.66	93,0	3.66	20,8	0.82	26,9	1.06
2020S	-20	50,8	2.00	174,5	6.87	98,3	3.87	26,7	1.05	29,2	1.15
2420S	-20	60,5	2.38	174,5	6.87	98,3	3.87	26,7	1.05	29,2	1.15
2424S	-24	60,5	2.38	197,9	7.79	122,9	4.84	32,5	1.28	35,8	1.41
3224S	-24	71,4	2.81	197,9	7.79	122,9	4.84	32,5	1.28	35,8	1.41
FC7372-											
0808S	-08	31,8	1.25	96,0	3.78	57,7	2.27	9,4	0.37	19,8	0.78
1208S	-08	41,1	1.62	96,0	3.78	57,7	2.27	9,9	0.39	19,8	0.78
1212S	-12	41,1	1.62	119,6	4.71	72,1	2.84	15,5	0.61	25,4	1.00
1612S	-12	47,8	1.88	119,6	4.71	72,1	2.84	15,5	0.61	25,4	1.00
1616S	-16	47,8	1.88	140,5	5.53	88,1	3.47	20,8	0.82	26,9	1.06
2016S	-16	53,8	2.12	140,5	5.53	88,1	3.47	20,8	0.82	26,9	1.06
FC5976-											
2020S	-20	53,8	2.12	174,5	6.87	98,3	3.87	26,7	1.05	29,2	1.15
2420S	-20	63,5	2.50	174,5	6.87	98,3	3.87	26,7	1.05	29,2	1.15
2424S	-24	63,5	2.50	197,9	7.79	122,9	4.84	32,5	1.28	35,8	1.41
3224S	-24	79,2	3.12	197,9	7.79	122,9	4.84	32,5	1.28	35,8	1.41

60° split flange

Code 61 SAE J518
FC9066-
FC5060-

Code 62 SAE J518
FC7373-
FC5977-



Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC9066-											
0808S	-08	30,2	1.19	94,5	3.72	56,1	2.21	9,9	0.39	26,7	1.05
1208S	-08	38,1	1.50	94,5	3.72	56,1	2.21	9,9	0.39	26,7	1.05
1212S	-12	38,1	1.50	120,4	4.74	72,9	2.87	15,5	0.61	35,8	1.41
1612S	-12	44,5	1.75	120,4	4.74	72,9	2.87	15,5	0.61	35,8	1.41
1616S	-16	44,5	1.75	141,2	5.56	88,9	3.50	20,8	0.82	38,1	1.50
2016S	-16	50,8	2.00	141,2	5.56	88,9	3.50	20,8	0.82	38,1	1.50
FC5060-											
2020S	-20	50,8	2.00	177,0	6.97	100,8	3.97	26,7	1.05	42,2	1.66
2420S	-20	60,5	2.38	177,0	6.97	100,8	3.97	26,7	1.05	42,2	1.66
2024S	-24	50,8	2.00	184,7	7.27	109,7	4.32	26,7	1.05	42,2	1.66
2424S	-24	60,5	2.38	199,4	7.85	124,5	4.90	32,5	1.28	50,8	2.00
3224S	-24	71,4	2.81	199,4	7.85	124,5	4.90	32,5	1.28	50,8	2.00
FC7373-											
1208S	-08	41,1	1.62	94,5	3.72	56,1	2.21	9,9	0.39	26,7	1.05
1212S	-12	41,1	1.62	120,4	4.74	72,9	2.87	15,5	0.61	35,8	1.41
1612S	-12	47,8	1.88	120,4	4.74	72,9	2.87	15,5	0.61	35,8	1.41
1616S	-16	47,8	1.88	141,2	5.56	88,9	3.50	20,8	0.82	38,1	1.50
2016S	-16	53,8	2.12	141,2	5.56	88,9	3.50	20,8	0.82	38,1	1.50
FC5977-											
2020S	-20	53,8	2.12	177,0	6.97	100,8	3.97	26,7	1.05	42,2	1.66
2420S	-20	63,5	2.50	177,0	6.97	100,8	3.97	26,7	1.05	42,2	1.66
2424S	-24	63,5	2.50	199,4	7.85	124,5	4.90	32,5	1.28	50,8	2.00
3224S	-24	79,2	3.12	199,4	7.85	124,5	4.90	32,5	1.28	50,8	2.00

Note: For correct socket part number, see page I-3.

For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

Hose fittings – Reusable

For use with hose:
GH493, FC736

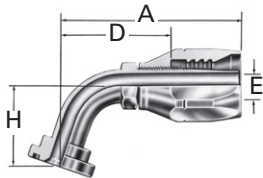
Spiral hose

Spiral skive style fittings

67 1/2° split flange

Code 61 SAE J518
FC9118-
FC7811-

Code 62 SAE J518
FC7984-
FJ9034-

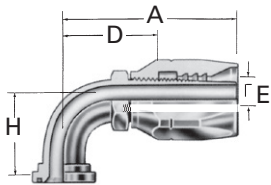


Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
FC9118-											
0808S	-08	30,2	1.19	95,8	3.77	57,4	2.26	9,9	0.39	31,8	1.25
1208S	-08	38,1	1.50	95,8	3.77	57,4	2.26	9,9	0.39	31,8	1.25
1212S	-12	38,1	1.50	119,1	4.69	71,6	2.82	15,5	0.61	40,6	1.60
1612S	-12	44,5	1.75	119,1	4.69	71,6	2.82	15,5	0.61	40,6	1.60
1616S	-16	44,5	1.75	141,7	5.58	89,7	3.53	20,8	0.82	44,5	1.75
2016S	-16	50,8	2.00	141,7	5.58	89,7	3.53	20,8	0.82	44,5	1.75
FC7811-											
2020S	-20	50,8	2.00	176,3	6.94	100,1	3.94	26,7	1.05	48,3	1.90
2420S	-20	60,5	2.38	176,3	6.94	100,1	3.94	26,7	1.05	48,3	1.90
2424S	-24	60,5	2.38	187,5	7.38	112,5	4.43	32,5	1.28	50,8	2.00
3224S	-24	71,4	2.81	187,5	7.38	112,5	4.43	32,5	1.28	50,8	2.00
FC7984-											
1208S	-08	41,1	1.62	95,8	3.77	57,4	2.26	9,9	0.39	31,8	1.25
1212S	-12	41,1	1.62	119,1	4.69	71,6	2.82	5,5	0.61	40,6	1.60
1612S	-12	47,8	1.88	119,1	4.69	71,6	2.82	15,5	0.61	40,6	1.60
1616S	-16	47,8	1.88	141,7	5.58	89,7	3.53	20,8	0.82	44,5	1.75
2016S	-16	53,8	2.12	141,7	5.58	89,7	3.53	20,8	0.82	44,5	1.75
FC9034-											
2020S	-20	53,8	2.12	176,3	6.94	100,1	3.94	26,7	1.05	48,3	1.90
2420S	-20	63,5	2.50	176,3	6.94	100,1	3.94	26,7	1.05	48,3	1.90
2424S	-24	63,5	2.50	187,5	7.38	112,5	4.43	32,5	1.28	50,8	2.00
3224S	-24	79,2	3.12	187,5	7.38	112,5	4.43	32,5	1.28	50,8	2.00

90° split flange

Code 61 SAE J518
190937-
FC7703-

Code 62 SAE J518
FC7374-
FJ9033-



Dash size	Hose size	Flange head Dia.		A		D		EØ		H	
		mm	in	mm	in	mm	in	mm	in	mm	in
190937-											
8S	-08	30,2	1.19	89,4	3.52	51,3	2.02	9,9	0.39	41,1	1.62
12-8S	-08	38,1	1.50	89,4	3.52	51,3	2.02	9,9	0.39	41,1	1.62
12S	-12	38,1	1.50	112,5	4.43	65,0	2.56	15,5	0.61	54,1	2.13
16-12S	-12	44,5	1.75	112,5	4.43	65,0	2.56	15,5	0.61	54,1	2.13
20-12S	-12	50,8	2.00	112,5	4.43	65,0	2.56	15,5	0.61	54,1	2.13
16S	-16	44,5	1.75	135,6	5.34	83,3	3.28	20,8	0.82	60,5	2.38
20-16S	-16	50,8	2.00	135,6	5.34	83,3	3.28	20,8	0.82	60,5	2.38
24-16S	-16	60,5	2.38	135,6	5.34	83,3	3.28	20,8	0.82	60,5	2.38
FC7703-											
2020S	-20	50,8	2.00	170,7	6.72	94,5	3.72	26,7	1.05	66,5	2.62
2420S	-20	60,5	2.38	170,7	6.72	94,5	3.72	26,7	1.05	66,5	2.62
2424S	-24	60,5	2.38	191,0	7.52	115,8	4.56	32,5	1.28	79,2	3.12
3224S	-24	71,4	2.81	191,0	7.52	115,8	4.56	32,5	1.28	79,2	3.12
FC7374-											
0808S	-08	31,8	1.25	89,4	3.52	51,3	2.02	9,9	0.39	41,1	1.62
1208S	-08	41,1	1.62	89,4	3.52	51,3	2.02	9,9	0.39	41,1	1.62
1212S	-12	41,1	1.62	112,5	4.43	65,0	2.56	15,5	0.61	54,1	2.13
1612S	-12	47,8	1.88	112,5	4.43	65,0	2.56	15,5	0.61	54,1	2.13
1616S	-16	47,8	1.88	135,6	5.34	83,3	3.28	20,8	0.82	60,5	2.38
2016S	-16	53,8	2.12	135,6	5.34	83,3	3.28	20,8	0.82	57,9	2.28
FJ9033-											
2020S	-20	53,8	2.12	170,7	6.72	94,5	3.72	26,7	1.05	66,5	2.62
2420S	-20	63,5	2.50	170,7	6.72	94,5	3.72	26,7	1.05	66,5	2.62
2424S	-24	63,5	2.50	191,0	7.52	115,8	4.56	32,5	1.28	79,2	3.12
3224S	-24	79,2	3.12	191,0	7.52	115,8	4.56	32,5	1.28	79,2	3.12

Note: For correct socket part number, see page I-3.

Note: For flanges, split flange halves, kits and o-rings, see page I-61–I-68.

ORS swivel straight

FJ9740-
FJ9744-

Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ9740-								
0606S	-06	11/16-16	85,1	3.35	43,7	1.72	6,6	0.26
0808S	-08	13/16-16	86,4	3.40	48,0	1.89	9,9	0.39
1212S	-12	1 3/16-12	102,9	4.05	55,4	2.18	15,5	0.61
1616S	-16	1 7/16-12	121,4	4.78	67,6	2.66	20,8	0.82
FJ9744-								
2020S	-20	1 11/16-12	148,6	5.85	72,4	2.85	26,7	1.05
2424S	-24	2-12	156,0	6.14	81,3	3.20	32,0	1.26

ORS swivel 45° elbow

FJ9741-
FJ9745-

Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ9741-										
0808S	-08	13/16-16	89,9	3.54	51,3	2.02	9,4	0.37	15,0	0.59
1212S	-12	1 3/16-12	115,1	4.53	67,6	2.66	14,2	0.56	21,1	0.83
1616S	-16	1 7/16-12	140,5	5.53	88,1	3.47	20,6	0.81	23,9	0.94
FJ9745-										
2020S	-20	1 11/16-12	167,1	6.58	90,9	3.58	25,7	1.01	25,4	1.00

ORS swivel 90° elbow short drop

FJ9742-
FJ9746-

Dash size	Hose size	Thread	A	D	EØ	H
FJ9742-						
FJ9746-						

ORS swivel 90° elbow long drop

FJ9743-
FJ9747-

Dash size	Hose size	Thread	A	D	EØ	H
FJ9743-						
FJ9747-						

Komatsu 30° swivel- metric threads

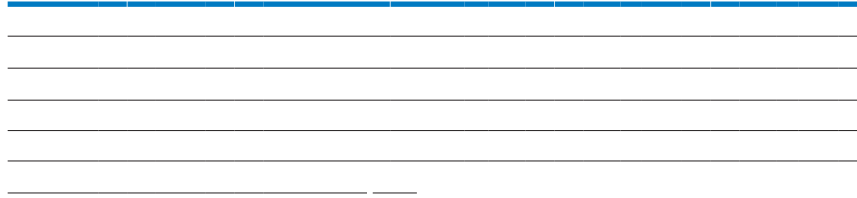
FJ7286-

Hose fittings – Reusable

For use with hose:
2556, 2565, 2575, FC332,
FC647, H201

Male pipe

4738-



Male pipe swivel

FJ9068-
FJ9486-

Female pipe

4753-

Female NPSM swivel

FC5853-

SOCKETLESS fittings

Male pipe

Universal†

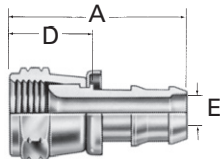
4797-

SAE 45°*

4739-

SAE 37° (JIC)

4741-



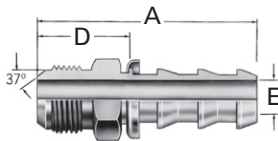
Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4797-								
4B†	-04	7/16-20	39,4	1.55	20,3	0.80	4,3	0.17
5-4B†	-04	1/2-20	40,6	1.60	21,3	0.84	4,3	0.17
8-6B†	-06	3/4-16	48,0	1.89	25,9	1.02	7,6	0.30
8B†	-08	3/4-16	51,6	2.03	25,9	1.02	9,9	0.39
10-8B†	-08	7/8-14	55,4	2.18	29,5	1.16	9,9	0.39
10B†	-10	7/8-14	68,1	2.68	29,0	1.14	12,2	0.48
4739-								
6B*	-06	5/8-18	44,4	1.75	22,6	0.89	7,6	0.30
12B*	-12	1 1/16-14	70,1	2.76	31,5	1.24	15,5	0.61
4741-								
6B	-06	9/16-18	44,4	1.75	22,6	0.866	7,6	0.30
12B	-12	1 1/16-12	74,8	2.94	36,1	1.42	15,5	0.61

†Double notch in nut for Universal type identification for both SAE 45° and 37° (JIC) connections.

*Single notch in nut for SAE 45° identification.

SAE 37° (JIC) male flare

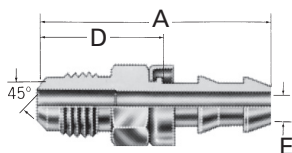
190672-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190672-								
4B	-04	7/16-20	42,2	1.66	23,1	0.91	4,3	0.17
6B	-06	9/16-18	52,2	1.75	23,6	0.92	7,6	0.30
6S	-06	9/16-18	44,5	1.75	22,6	0.89	7,6	0.39

SAE 45° (JIC) male flare

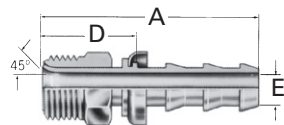
4742-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4742-								
4B	-04	7/16-20	40,9	1.61	21,8	0.86	4,3	0.17
5-4B	-04	1/2-20	42,4	1.67	23,4	0.92	4,3	0.17
6B	-06	5/8-18	46,7	1.84	24,9	0.98	7,1	0.28
8B	-08	3/4-16	53,8	2.12	28,2	1.11	9,9	0.39

SAE 45° inverted male flare

4740-



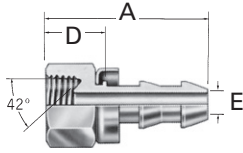
Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4740-								
3-4B	-04	3/8-24	38,9	1.52	19,8	0.78	3,3	0.13
4B	-04	7/16-24	39,4	1.55	20,3	0.80	4,3	0.17
5-4B	-04	1/2-20	40,9	1.61	21,6	0.85	4,3	0.17
6B	-06	5/8-18	44,4	1.75	22,6	0.89	7,6	0.30
8B	-08	3/4-18	50,5	1.99	24,6	0.97	9,9	0.39
10B	-10	7/8-18	65,5	2.58	26,4	1.04	12,2	0.48

Hose fittings – Reusable

For use with hose:
2556, 2565, FC332,
FC647, H201

SAE 42° inverted female flare

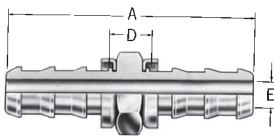
4743-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
4743-								
3-4B	-04	3/8-24	31,5	1.24	12,4	0.49	3,3	0.13
4B	-04	7/16-24	31,5	1.24	12,4	0.49	4,3	0.17
5-4B	-04	1/2-20	32,3	1.27	13,2	0.52	4,3	0.17
6B	-06	5/8-18	36,6	1.44	14,7	0.58	7,6	0.30
8-6B	-06	3/4-18	37,5	1.48	15,5	0.61	7,6	0.30

Hose mender

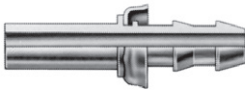
4772-



Dash size	Hose size	A		D		EØ	
		mm	in	mm	in	mm	in
4772-							
4B	-04	48,5	1.91	10,4	0.41	4,3	0.17
6B	-06	54,4	2.14	10,4	0.41	7,6	0.30
8B	-08	63,5	2.5	11,9	0.47	9,9	0.39
10B	-10	91,7	3.61	13,5	0.53	12,2	0.48
12B	-12	92,2	3.63	15,2	0.60	15,5	0.61

Compression type

4750-



Dash size	Hose size	Tube size	A		D		EØ	
			mm	in	mm	in	mm	in
4750-								
3-4B	-04	-03	45,7	1.80	26,7	1.05	3,3	0.13
4B	-04	-04	47,3	1.86	28,2	1.11	4,3	0.17
5-4B	-04	-05	53,3	2.1	31,5	1.24	4,3	0.17
6B	-06	-06	60,2	2.37	34,5	1.36	7,6	0.30
8B	-08	-08	66,0	2.6	26,9	1.06	9,9	0.39
10B	-10	-10	65,3	2.57	26,2	1.03	12,2	0.48

45° elbow SAE 45° swivel*

FC5848-

SAE 37° (JIC) swivel

FC5847-

Universal swivel†

FC5849-

Dash size	Hose size	Tube size	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FC5848-										
0606S*	-06	5/8-18	45,7	1.80	23,6	0.93	7,6	0.30	9,9	0.39
FC5847-										
0606S	-06	9/16-18	45,7	1.80	23,6	0.93	7,6	0.30	9,9	0.39
FC5849-										
0404S†	-04	7/16-20	39,6	1.56	20,6	0.81	4,3	0.17	8,4	0.33
0808S†	-08	3/4-16	58,4	2.30	32,5	1.28	9,9	0.39	14,0	0.55

†Double notch in nut for Universal type identification for both SAE 45° and 37° (JIC) connections.

*Single notch in nut for SAE 45° identification.

For use with hose:
2556, 2565, FC332,
FC647, H201

Hose fittings – Reusable

SOCKETLESS™ hose

SOCKETLESS fittings

90° elbow (short)

SAE 45° swivel*

190328-

SAE 37° (JIC) swivel*

190516-

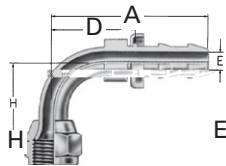
90° elbow (long)

SAE 37° (JIC) swivel

190465-

Universal swivel†

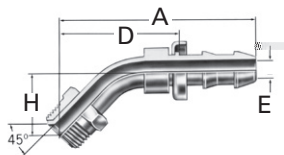
FC5852-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190328-										
6S*	-06	5/8-18	42,9	1.69	21,1	0.83	7,6	0.30	21,6	0.85
190516-										
6S	-06	9/16-18	43,8	1.70	21,1	0.83	7,6	0.30	21,6	0.85
190465-										
6S	-06	9/16-18	43,8	1.70	21,1	0.83	7,6	0.30	55,4	2.18
FC5852-										
0404S†	-04	7/16-20	36,8	1.45	17,8	0.70	4,3	0.17	45,7	1.80

SAE male inverted flare 45° elbow

190944-



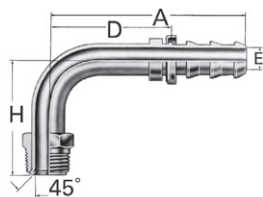
Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190944-										
4S	-04	7/16-24	62,5	2.46	43,8	1.70	4,3	0.17	24,4	0.96
6S	-06	5/8-18	65,3	2.57	43,8	1.71	7,6	0.30	24,4	0.96

SAE male inverted flare 90° elbow (short)

190327-

SAE male inverted flare 90° elbow (long)

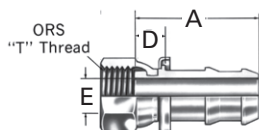
190326-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190327-										
4S	-04	7/16-24	52,8	2.08	33,8	1.33	4,3	0.17	42,9	1.69
6S	-06	5/8-18	55,9	2.20	33,8	1.33	7,6	0.30	43,9	1.73
190326-										
6S	-06	5/8-18	82,3	3.24	60,5	2.38	7,6	0.30	69,3	2.73

ORS swivel straight

FJ7044-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FJ7044-								
0404S	-04	9/16-18	27,9	1.10	9,0	0.35	4,3	0.17
0606S	-06	11/16-16	32,0	1.26	9,7	0.38	6,6	0.26
0806S	-06	13/16-16	34,5	1.36	12,4	0.49	7,6	0.30
0808S	-08	13/16-16	38,1	1.50	12,4	0.49	9,7	0.38
1010S	-10	1-14	51,6	2.03	12,4	0.49	12,2	0.48
1212S	-12	1 3/16-12	52,6	2.07	14,0	0.55	15,5	0.61

†Double notch in nut for Universal type identification for both SAE 45° and 37° (JIC) connections.

*Single notch in nut for SAE 45° identification.

Hose fittings – Reusable

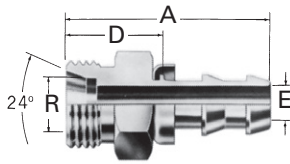
SOCKETLESS™ hose

For use with hose:
2556, 2565, FC332,
FC647, H201

SOCKETLESS fittings

**Metric male 24°
DIN 3901/3902 I. Rh.**

07.021-

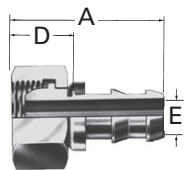


Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
07.021-										
6-4	-04	M12 x 1.5	38,0	1.50	19,0	0.75	4,0	0.16	6,0	0.24
10-6	-06	M16 x 1.5	42,0	1.65	20,0	0.79	7,5	0.30	10,0	0.39

**Metric universal
female swivel 24°
DIN 3901/3902 I.Rh.**

07.006-

07.001-



Dash size	Hose size	Thread	A		D		EØ		RØ	
			mm	in	mm	in	mm	in	mm	in
07.006-										
4-4†	-04	M12 x 1.5	35,5	1.40	16,4	0.64	4,0	0.16	6,0	0.24
8-6†	-06	M16 x 1.5	43,0	1.69	19,5	0.77	7,5	0.30	10,0	0.39
07.001-										
6-4†	-04	M14 x 1.5	35,0	1.38	16,0	0.63	4,0	0.16	8,0	0.31
10-6†	-06	M18 x 1.5	38,5	1.52	16,5	0.65	7,5	0.30	12,0	0.47
13-8†	-08	M22 x 1.5	42,5	1.67	16,7	0.66	10,0	0.39	15,0	0.59
16-10†	-10	M26 x 1.5	57,0	2.24	18,0	0.71	12,0	0.47	18,0	0.71

Material for BSP and metric fittings is steel.

*RØ is tube O.D. and refers to mating component when not called out on the illustration.

†Universal fitting also mates with DIN 7631/7647 60° connections.

For use with hose:
2556, 2565, FC332,
FC647, H201

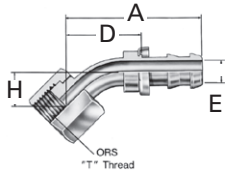
Hose fittings – Reusable

SOCKETLESS™ hose

SOCKETLESS fittings

ORS swivel 45° elbow

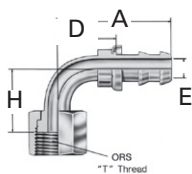
FJ7023-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ7023-										
0404S	-04	9/16-18	41,7	1.64	22,6	0.89	4,3	0.17	10,4	0.41
0606S	-06	11/16-16	46,7	1.84	24,6	0.97	7,6	0.30	11,2	0.44
0808S	-08	13/16-16	59,4	2.34	33,5	1.32	9,9	0.39	15,0	0.59
1212S	-12	1 3/16-12	86,9	3.42	48,3	1.90	15,5	0.61	21,1	0.83

ORS swivel 90° elbow

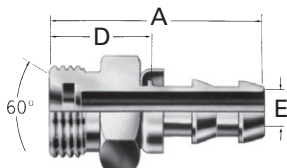
FJ7358-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ7358-										
0404S	-04	9/16-18	38,6	1.52	19,6	0.77	4,3	0.17	20,8	0.82
0606S	-06	11/16-16	43,8	1.70	23,6	0.93	7,6	0.30	23,1	0.91
0804S	-04	13/16-16	45,7	1.80	26,7	1.05	4,3	0.17	29,2	1.15
0806S	-06	13/16-16	48,5	1.91	26,7	1.05	7,6	0.30	29,2	1.15
0808S	-08	13/16-16	52,3	2.06	26,7	1.05	9,9	0.39	29,2	1.15
1212S	-12	1 3/16-12	84,3	3.32	43,8	1.70	15,5	0.61	48,3	1.90

BSP socketless male

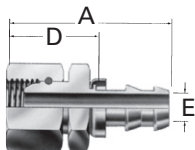
07.122-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
07.122-								
4-4	-04	1/4-19	39,5	1.56	18,0	0.71	4,0	0.16
6-6	-06	3/8-19	44,0	1.73	20,0	0.79	7,5	0.30
8-8	-08	1/2-14	50,0	1.97	22,0	0.87	10,0	0.39

BSP socketless, metric female swivel

07.390-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
07.390-								
4-4	-04	1/4-19	35,0	1.38	16,0	0.63	4,0	0.16
6-6	-06	3/8-19	39,0	1.54	17,0	0.67	7,5	0.30
8-8	-08	1/2-14	44,0	1.73	18,0	0.71	10,0	0.39

Material for BSP and metric fittings is steel.

Hose fittings – Reusable

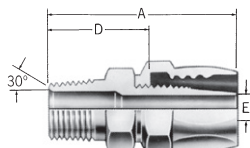
For use with hose:
2550, 2554, 2570

Speciality hose

Power steering & air brake

Male pipe

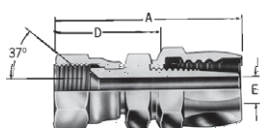
479301-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
479301-								
4-4S	-04	1/4-18	51,6	2.03	27,7	1.09	4,8	0.19
4-6S	-06	1/4-18	54,4	2.14	29,0	1.14	7,6	0.30
6-6S	-06	3/8-18	54,4	2.14	29,0	1.14	7,6	0.30
6-8S	-08	3/8-18	66,0	2.60	34,5	1.36	10,4	0.41
8-6S	-06	1/2-14	58,9	2.32	33,5	1.32	7,6	0.30
8-8S	-08	1/2-14	72,4	2.85	40,1	1.58	9,1	0.36

SAE 37° (JIC) swivel

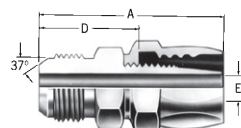
190800-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190800-								
4S	-04	7/16-20	52,8	2.08	29,0	1.14	4,3	0.17
5-4S	-04	1/2-20	54,1	2.13	30,2	1.19	4,8	0.19
6S	-06	9/16-18	58,6	2.31	33,3	1.31	7,6	0.30
8S	-08	3/4-16	58,6	2.31	41,4	1.63	10,4	0.41

SAE 37° (JIC) male flare

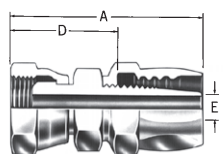
FC7275-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
FC7275-								
0606S	-06	9/16-18	58,9	2.32	33,5	1.32	7,6	0.30

USF swivel

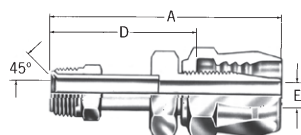
479501-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
479501-								
8-6S	-06	3/4-20	58,2	2.29	26,9	1.06	7,6	0.30
8-8S	-08	3/4-20	71,4	2.81	33,81	1.33	10,4	0.41

Male inverted flare

190604-



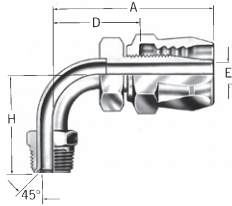
Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190604-								
4-6S	-06	7/16-24	67,8	2.67	42,4	1.67	4,6	0.18
6S	-06	5/8-18	67,8	2.67	42,4	1.67	7,6	0.30

Note: For correct socket part number, see page I-3.

Power steering & air brake

Male inverted flare
45° elbow

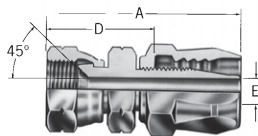
190606-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190606-										
6S	-06	5/8-18	65,5	2.58	40,1	1.58	7,6	0.30	43,9	1.73

SAE 45° swivel

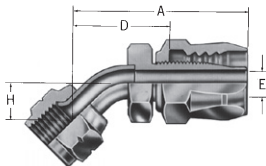
479601-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
479601-								
4-6S	-06	7/16-20	53,8	2.12	28,7	1.13	4,3	0.17
6S	-06	5/8-18	58,6	2.31	33,3	1.31	7,6	0.30

SAE 45° swivel
45° elbow

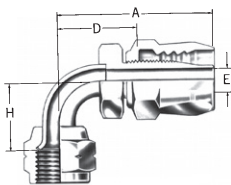
190607-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190607-										
4-6S	-06	7/16-20	52,3	2.06	26,9	1.06	4,6	0.18	8,4	0.33

SAE 45° swivel
90° elbow

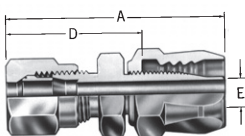
190608-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190608-										
4-6S	-06	7/16-20	49,5	1.95	24,1	0.95	4,6	0.18	17,3	0.68

SAE male flareless
with nut and ferrule

190609-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
190609-								
4-6S	-06	7/16-20	62,0	2.44	24,6	0.97	5,1	0.20

Note: For correct socket part number, see page I-3.

Hose fittings – Reusable

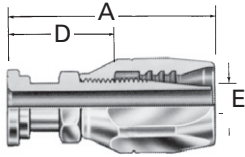
For use with hose:
1531, 1531A

Speciality hose

Railroad air brake

Straight split flange

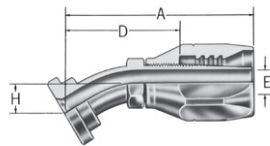
FJ4649-



Nipple Part #	Socket Part #	Hose Size	A		D		EØ	
			mm	in	mm	in	mm	in
FJ4649-								
1216S	1219-16S	-16	84,2	2.89	43,4	1.31	20,6	0.76
1620S	1219-20S	-20	84,2	3.31	39,7	1.56	26,7	1.05
2024S	1219-24S	-24	84,2	3.13	43,9	1.32	32,5	1.26

45° elbow 2 bolt split flange

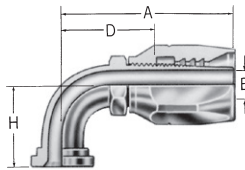
FJ4709-



Nipple Part #	Socket Part #	Hose Size	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ4709-										
1620S	1219-20S	-20	102,4	4.03	64,5	2.54	26,7	1.05	23,1	0.91
2024S	1219-24S	-24	120,1	4.73	79,2	3.12	32,5	1.28	26,2	1.03

90° elbow 2 bolt split flange

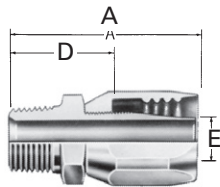
FJ4650-



Nipple Part #	Socket Part #	Hose Size	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FJ4650-										
1216S	1219-16S	-16	92,7	3.65	57,9	2.28	20,6	0.81	52,3	2.06
1620S	1219-20S	-20	105,4	4.15	67,6	2.66	26,7	1.05	58,6	2.31
2024S	1219-24S	-24	116,8	4.60	116,8	4.60	32,5	1.28	66,8	2.63

Male pipe

458-

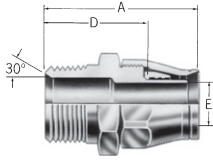


Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
458-								
8-10S	-10	1/2-14	72,4	2.85	42,4	1.67	11,4	0.45
12-12S	-12	3/4-14	74,2	2.92	42,4	1.67	14,7	0.58
12-16S	-16	3/4-14	80,2	3.16	45,5	1.79	20,6	0.81
16-16S	-16	1-11 1/2	85,1	3.35	50,8	1.98	20,6	0.81
16-20S	-20	1-11 1/2	91,7	3.61	53,6	2.11	26,7	1.05
20-24S	-24	1 1/4-11 1/2	95,5	3.76	54,6	2.15	32,5	1.28

*Contact Eaton for flange part number
need flange data

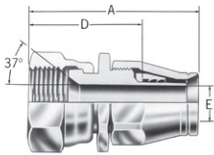
“Super gem”

Male pipe
38-190627-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
38-190627-								
2-4*	-04	1/8-27	34,3	1.35	22,6	0.89	4,1	0.16
4-4*	-04	1/4-18	39,1	1.54	27,4	1.08	4,1	0.16
4-5*	-05	1/4-18	40,1	1.58	27,2	1.07	5,8	0.23
4-6*	-06	1/4-18	42,2	1.66	28,7	1.13	7,1	0.28
6-6*	-06	3/8-18	42,2	1.66	28,7	1.13	7,1	0.28
6-8*	-08	3/8-18	45,5	1.79	29,5	1.16	9,7	0.38
8-10*	-10	1 1/2-14	54,1	2.13	37,1	1.46	11,9	0.47
12-12*	-12	3/4-14	57,4	2.26	40,9	1.61	15,0	0.59
16-16*	-16	1-11 1/2	63,0	2.48	47,2	1.86	21,1	0.83
20-20*	-20	1 1/4-11 1/2	71,9	2.83	55,1	2.17	26,9	1.06

SAE 37° (JIC) Swivel
63-190600-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
63-190600-								
3*	-03	3/8-24	35,0	1.38	26,4	1.04	2,2	0.09
4*	-04	7/16-20	40,1	1.58	28,7	1.13	4,1	0.16
5*	-05	1/2-20	42,7	1.68	29,7	1.17	5,8	0.23
6*	-06	9/16-18	44,2	1.74	31,0	1.22	6,6	0.26
8*	-08	3/4-16	50,8	1.98	34,3	1.35	9,7	0.38
10*	-10	7/8-14	56,4	2.22	39,1	1.54	11,9	0.47
12*	-12	1 1/16-12	59,2	2.33	42,4	1.67	15,0	0.59
16*	-16	1 5/16-12	64,0	2.52	48,5	1.91	21,1	0.83
20*	-20	1 5/8-12	74,2	2.92	57,7	2.27	26,9	1.06

*Also supplied in stainless steel. Add suffix “C” to part number and delete prefix “63” or “38”.

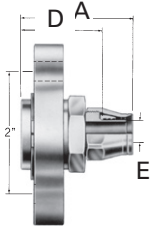
Note: Sleeve part number 900568-(size)

SAE 45° swivel
63-190990-

Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
63-190990-								
4	-04	7/16-20	40,1	1.58	28,4	1.12	4,1	0.16
5	-05	1/2-20	42,7	1.68	29,7	1.17	5,8	0.23
6	-06	5/8-18	45,0	1.77	31,8	1.25	7,1	0.28
8	-08	3/4-16	50,8	1.98	34,5	1.36	9,7	0.38
10	-10	7/8-14	56,4	2.22	39,1	1.54	11,9	0.47
12	-12							

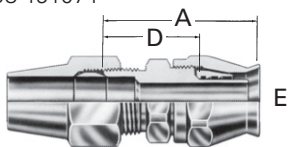
“Super gem”

2-bolt swivel flange 63-190626-



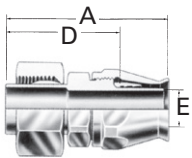
Dash size	Flange head dia.		Hose size	A		D		EØ	
	mm	in		mm	in	mm	in	mm	in
63-190626-									
6	73,2	2.88	-06	45,2	1.78	32,0	1.26	7,1	0.28
12	73,2	2.88	-12	52,6	2.07	36,1	1.42	14,2	0.56
16	73,2	2.88	-16	55,4	2.18	37,8	1.49	4,8	0.19

Compression ball sleeve 38-191074-



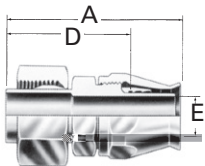
Dash size	Tube size.	Hose size	A		D		EØ	
			mm	in	mm	in	mm	in
38-191074-								
8	-08	-08	42,2	1.66	26,4	1.04	9,7	0.38
10	-10	-10	47,0	1.85	30,0	1.18	11,9	0.47
12	-12	-12	52,8	2.08	35,8	1.41	15,0	0.59

SAE ball sleeve* 190718-



Dash size	Hose size	Thread size	A		D		EØ	
			mm	in	mm	in	mm	in
190718-								
8S	-08	11/16-20	52,6	2.07	36,6	1.44	9,7	0.38
10-8S	-08	13/16-18	52,6	2.07	36,6	1.44	9,7	0.38
10S	-10	13/16-18	54,9	2.16	37,8	1.49	12,2	0.48
12S	-12	1-18	61,5	2.42	44,7	1.76	15,0	0.59

Special ball sleeve* 190742-

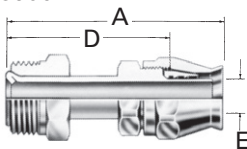


Dash size	Hose size	Thread size	A		D		EØ	
			mm	in	mm	in	mm	in
190742-								
10S	-10	7/8-18	54,9	2.16	37,8	1.49	12,2	0.48

*Some B-W compressor adapters require special mating nuts. For 13/16"-18 thread size for 1/2" O.D. tubing, use fitting 190718-10-8S with 2807-8 Hose.
For special thread size 7/8"-18, use fitting 190742-10S with 2807-10 Hose.

Note: Sleeve part number 900568-(size).

SAE male inverted flare straight FC9062-



Dash size	Hose size	Thread size	A		D		EØ	
			mm	in	mm	in	mm	in
FC9062-								
0404S	-04	7/16-24	54,1	2.13	42,2	1.66	4,1	0.16
0505S	-05	1/2-20	55,1	2.17	42,2	1.66	5,8	0.23
0506S	-06	1/2-20	56,1	2.21	42,9	1.69	5,3	0.21
0606S	-06	5/8-18	56,1	2.21	42,9	1.69	7,1	0.28
0808S	-08	3/4-18	62,7	2.47	46,7	1.84	9,7	0.38
1010S	-10	7/8-18	70,6	2.78	53,6	2.11	11,9	0.47
1212S	-12	1 1/16-16	76,7	3.02	60,2	2.37	15,0	0.59

†SAE 37° (JIC) swivel only

Universal type identification for both SAE 45° and 37° connections.

Note: Sleeve part number 900568-(size).

For correct socket information see page I-3.

Hose fittings – Reusable

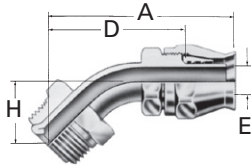
For use with PTFE hose:
2807, FC465, S -TW

PTFE hose

“Super gem”

SAE male inverted flare 45° elbow

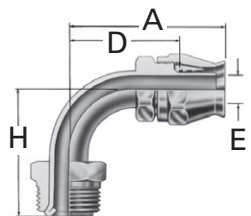
FC9063-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
FC9063-										
0505S	-05	1/2-20	62,5	2.46	49,3	1.94	5,8	0.23	24,4	0.96
0506S	-06	1/2-20	63,5	2.50	50,0	1.97	5,3	0.21	24,4	0.96
0606S	-06	5/8-18	63,5	2.50	50,0	1.97	7,1	0.28	24,4	0.96
0808S	-08	3/4-18	67,6	2.66	51,8	2.04	9,7	0.38	23,6	0.93
1010S	-10	7/8-18	75,2	2.96	58,2	2.29	11,9	0.47	26,2	1.03
1212S	-12	1 1/16-16	78,7	3.10	62,0	2.44	15,0	0.59	27,9	1.10

SAE male inverted flare 90° elbow

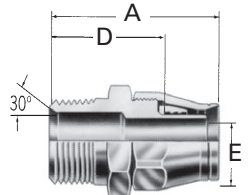
190950-



Dash size	Hose size	Thread	A		D		EØ		H	
			mm	in	mm	in	mm	in	mm	in
190950-										
4S	-04	7/16-24	51,8	2.04	39,9	1.57	4,1	0.16	42,9	1.69
5S	-05	1/2-20	52,8	2.08	39,9	1.57	5,8	0.23	42,9	1.69
5-6S	-06	1/2-20	53,8	2.12	40,6	1.60	5,3	0.21	42,9	1.69
6S	-06	5/8-18	53,8	2.12	40,6	1.60	7,1	0.28	43,9	1.73
8S	-08	3/4-18	58,9	2.32	42,9	1.69	9,7	0.38	44,2	1.74
10S	-10	7/8-18	67,6	2.66	50,5	1.99	11,9	0.47	56,1	2.21
12S	-12	1 1/16-16	69,3	2.73	52,6	2.07	15,0	0.59	59,7	2.35

Male pipe

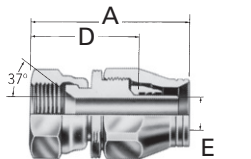
38-190628-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
38-190628-								
6-8	-08	3/8-18	48,5	1.91	33,5	1.32	8,9	0.35
8-10	-10	1/2-14	53,8	2.12	39,4	1.55	11,2	0.44
12-12	-12	3/4-14	60,9	2.40	41,4	1.63	14,2	0.56
16-16	-16	1-11 1/2	66,8	2.63	47,2	1.86	21,1	0.83
20-20	-20	1 1/4-11 1/2	77,5	3.05	53,1	2.09	26,9	1.06
24-24	-24	1 1/2-11 1/2	80,2	3.16	55,9	2.20	32,5	1.28

SAE 37° (JIC) swivel

63-190535-



Dash size	Hose size	Thread	A		D		EØ	
			mm	in	mm	in	mm	in
63-190535-								
8	-08	3/4-16	52,6	2.07	37,6	1.48	8,9	0.35
10	-10	7/8-14	56,4	2.22	41,7	1.64	11,2	0.44
12	-12	1 1/16-12	62,5	2.46	43,8	1.70	14,2	0.56
16	-16	1 5/16-12	67,6	2.66	48,3	1.90	21,1	0.83
20	-20	1 5/8-12	79,8	3.14	55,6	2.19	26,9	1.06
24	-24	1 7/8-12	85,9	3.38	61,5	2.42	32,5	1.28

†SAE 37° (JIC) swivel only
Universal type identification for both SAE 45° and 37° connections.

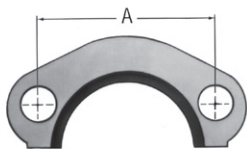
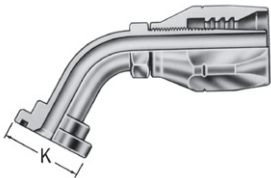
Note: Sleeve part number 900568-(size).
For correct socket information see page I-3.

Split flanges

Split flanges

Eaton has standard pressure series (code 61) and high pressure series (code 62) split flange components in kit form that save time in selecting and ordering. Each kit includes two flange halves, four grade-8 hex bolts, four lock washers and an O-Ring. The standard kit has a Buna-N 90 durometer O-Ring that is compatible with petroleum and water-base hydraulic fluids. Optional kits contain EPDM and Viton* O-Ring for applications where fluid compatibility or high temperatures require other than Buna-N O-Ring.

*Viton is a trademark of E.I. DuPont



Two methods can be used to determine the flange dash size and code. The first is by measuring the flange head diameter on the fitting itself. This is referred to as the “K” dimension. The second is by measuring the “A” dimension on the flange or the flange port. Either will determine the dash size and the code since these dimensions are exclusive to either code 61 or code 62 split flange kits. See chart below for these dimensions.

In some cases, split flange fittings are available for hoses which exceed the pressures listed; when ordering fittings or hose assemblies, the terminal end performance rating may reduce the overall rating of the assembly.

"A" Dim.	"K" Flange head diameter	Flange dash size	Maximum operating pressure*		Recommended bolt torque
			in	psi	
in	in	mm	bar	psi	lb-in
Code 61					
1.50	1.19	-08	350,0	5000	175–225
1.88	1.50	-12	350,0	5000	225–350
2.06	1.75	-16	350,0	5000	325–425
2.31	2.00	-20	280,0	4000	425–550
2.75	2.38	-24	210,0	3000	550–700
3.06	2.81	-32	210,0	3000	650–800
3.50	3.31	-40	175,0	2500	950–1100
4.19	4.00	-48	140,0	2000	1650–1800
Code 62					
1.59	1.25	-08	420,0	6000	175–225
2.00	1.63	-12	420,0	6000	300–400
2.25	1.88	-16	420,0	6000	500–600
2.62	2.12	-20	420,0	6000	750–900
3.12	2.50	-24	420,0	6000	1400–1600
3.81	3.12	-32	420,0	6000	2400–2600

*Per SAE J518 standard.

Assembly procedure

Many leakage problems can be avoided if the split flanges are properly assembled.

To properly assemble

1. Clean all mating surfaces.
2. Lubricate the O-Ring.
3. Partially tighten each bolt in rotation until all are fully tightened to the recommended torque value.

How to order

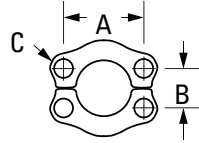
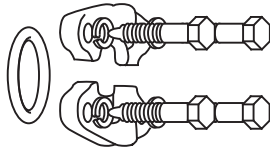
1. Determine the dash size and the code.
2. Select O-Ring for fluid compatibility.
3. Order by kit number shown on pages I-62 to I-63.

Hose fittings – Reusable

Split flange kits

Split flange kits

SAE standard pressure series (Code 61) SAE J518



O-Rings material:
Buna-N 90 Durometer

Temperature range:
-40°F to +250°F
(-40°C to + 121°C)

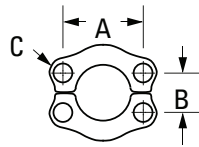
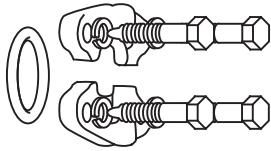
Nominal flange size	Complete kit	*Flange halves 2 required	*Buna-N O-Ring 1 required	*Bolts 4 required	*Lock washer 4 required	A	B	C	Bolt torque lb.-in
1/2	FF593-08	449-74446-8	FF9446-210	FF9442-0520-94	210104-5S	1.50	0.68	0.34	175-225
3/4	FF593-12	449-74446-12	FF9446-214	FF9442-0620-94	210104-6S	1.88	0.88	0.41	250-350
1	FF593-16	449-74446-16	FF9446-219	FF9442-0620-94	210104-2-6S	2.06	1.04	0.41	325-425
1-1/4	FF593-20	449-74446-20	FF9446-222	FF9442-0724-94	210104-7S	2.31	1.18	0.48	425-550
1-1/2	FF593-24	449-74446-24	FF9446-225	FF9442-0824-94	210104-8S	2.75	1.40	0.53	550-700
2	FF593-32	449-74446-32	FF9446-228	FF9442-0824-94	210104-8S	3.06	1.68	0.53	650-800
2-1/2	FF593-40	449-74446-40	FF9446-232	FF9442-0828-94	210104-8S	3.50	2.00	0.53	950-1100
3	FF593-48	449-74446-48	FF9446-237	FF9442-1028-94	210104-10S	4.19	2.44	0.66	1650-1800

* Included in kit.

*Viton kit available as part # FF687-Size. EPDM kit available as part # FF688-size.

Note: All measurements in inches.

SAE high pressure series (Code 62) SAE J518



O-Ring material:
Buna-N 90 Durometer

Temperature range:
-40°F to +250°F
(-40°C to + 121°C)

Note: Code 62 split flange kits cannot be used with Cat flange fittings. Use existing split flanges.

Nominal flange size	Complete kit	*Flange halves 2 required	*Buna-N O-Ring 1 required	*Bolts 4 required	*Lock washer 4 required	A	B	C	Bolt torque lb.-in
3/4	FF595-12	FC3425-12-449	FF9446-214	FF9442-0624-94	210104-6S	2.00	0.94	0.42	300-400
1	FF595-16	FC3425-16-449	FF9446-219	FF9442-0728-94	210104-7S	2.25	1.10	0.50	500-600
1-1/4	FF595-20	FC3425-20-449	FF9446-222	FF9442-0828-94	210104-8S	2.62	1.24	0.60	750-900
1-1/2	FF595-24	FC3425-24-449	FF9446-225	FF9442-1036-94	210104-10S	3.12	1.44	0.66	1400-1600
2	FF595-32	FC3425-32-449	FF9446-228	FF9442-1244-94	210104-12S	3.81	1.76	0.78	2400-2600

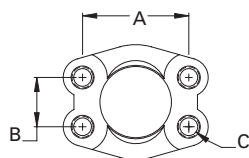
* Included in kit.

* Viton kit available as part #FF689-size.

Note: All measurements in inches.

Split flange kits

4 hole flange
SAE standard pressure series
(Code 61) SAE J518

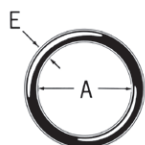


Nominal flange size	4 bolt flange	A	B	C (Threaded)
3/4	FC2119-12-449	1.88	0.88	3/8-16
1	FC2119-16-449	2.06	1.03	7/16-14
1-1/4	FC2119-20-449	2.31	1.19	3/8-16
1-1/2	FC2119-24-449	2.75	1.41	1/2-13
2	FC2119-32-449	3.06	1.69	1/2-13
2-1/2	FC2119-40-449	3.50	2.00	1/2-13

*Available without threads as part #FC3459-size-449.

Note: All measurements in inches.

O-Ring for SAE J518
Split flange



O-Ring base number	Material	Operating temperature range
FF9016 EPDM	80 Durometer	-65°F to +300°F (-55°C to +150°C)
FF9446 Buna-N	90 Durometer Buna-N	-40°F to +250°F (-40°C to +121°C)
22046 Viton	90 Durometer	-15°F to +400°F (-25°C to +205°C)

Available without threads part #FC3459-size-449.

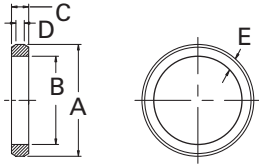
O-Ring dash size designation	Flange dash size	Nominal flange size	A		E	
			mm	in	mm	in
-210	08	1/2	18,5	0.734	3,5	0.139
-214	12	3/4	24,9	0.984	3,5	0.139
-219	16	1	32,9	1.296	3,5	0.139
-222	20	1 1/4	37,7	1.484	3,5	0.139
-225	24	1 1/2	47,2	1.859	3,5	0.139
-228	32	2	56,7	2.234	3,5	0.139
-232	40	2 1/2	69,4	2.734	3,5	0.139
-237	48	3	85,3	3.359	3,5	0.139

Hose fittings – Reusable

O-Ring and kits

O-Rings

Cat flange O-Ring*



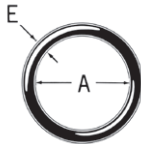
Part number	A		B		C		D		E	
	mm	in	mm	in	mm	in	mm	in	mm	in
FF90319-12	32,3	1.27	25,4	1.00	5,1	0.20	2,5	0.10	3,6	0.14
FF90319-16	38,6	1.52	31,8	1.25	5,1	0.20	2,5	0.10	3,6	0.14
FF90319-20	45,0	1.77	38,1	1.50	5,1	0.20	2,5	0.10	3,6	0.14
FF90319-24	51,6	2.03	44,7	1.76	5,1	0.20	2,5	0.10	3,6	0.14
FF90319-32	70,6	2.78	64,0	2.52	5,1	0.20	2,5	0.10	3,6	0.14

Temperature range: -40°F to +212°F.

Material: Nitrile (Buna-N).

*To be used only with Cat flange.

O-Rings for bump tube O-Ring seal and O-Ring pilot fitting



Part number	O-Ring pilot dash size	A		E	
		mm	in	mm	in
22546-11	-06	7,6	0.30	1,8	0.07
22546-13	-08	10,9	0.43	1,8	0.07
22546-15	-10	14,0	0.55	1,8	0.07
22546-17	-12	17,3	0.68	1,8	0.07

O-Rings and kits

O-Ring seal kit FF16087-01

Includes: metal box,
O-Rings for ORS –4 through –24,
O-Ring boss –04 through –32,
Split flange –08 through –32,
24 packages with twelve
90 durometer nitrile
O-Ring per package.
Replacement O-Ring can be
ordered individually by
part number listed.

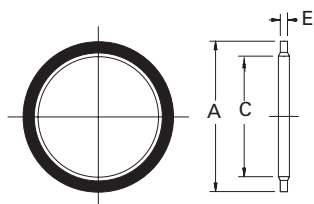


FF16087-01

Connection	Size	Individual O-Ring part no.
ORS	-04	FF9446-11
ORS	-06	FF9446-12
ORS	-08	FF9446-14
ORS	-10	FF9446-16
ORS	-12	FF9446-18
ORS	-16	FF9446-21
ORS	-20	FF9446-25
ORS	-24	FF9446-29
O-Ring Boss	-04	22617-4
O-Ring Boss	-05	22617-5
O-Ring Boss	-06	22617-6
O-Ring Boss	-08	22617-8
O-Ring Boss	-10	22617-10
O-Ring Boss	-12	22617-12
O-Ring Boss	-16	22617-16
O-Ring Boss	-20	22617-20
O-Ring Boss	-24	22617-24
O-Ring Boss	-32	22617-32
Split Flange	-08	FF9446-210
Split Flange	-12	FF9446-214
Split Flange	-16	FF9446-219
Split Flange	-20	FF9446-222
Split Flange	-24	FF9446-225
Split Flange	-32	FF9446-228

BSPP bonded seal for DIN 3852-2 ports

FF9895



Bonded seal part number	BSPP thread size	A Ref	C Ref	E Ref
		inch	inch	inch
FF9895-02	1/8-28	0.625	0.403	0.080
FF9895-04	1/4-19	0.810	0.536	0.080
FF9895-06	3/8-19	0.937	0.675	0.080
FF9895-08	1/2-14	1.125	0.843	0.097
FF9895-10	5/8-14	1.250	0.920	0.097
FF9895-12	3/4-14	1.375	1.060	0.097
FF9895-16	1-11	1.685	1.329	0.133
FF9895-20	1 1/4-11	2.062	1.685	0.133
FF9895-24	1 1/2-11	2.307	1.902	0.133
FF9895-32	2-11	2.875	2.380	0.133

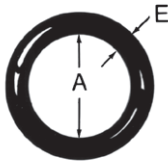
Material: Steel with bonded Nitrile (Buna-N) seal.

Hose fittings – Reusable

O-Ring and kits

Designating separate SAE O-Ring boss

To order Eaton O-Ring separately without fittings specify the size and material by using the O-Ring base number and dash size. The charts offer a simple method to assure the correct O-Ring for your application.

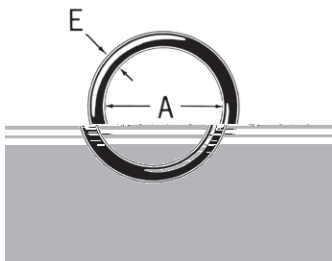


O-Ring base no.	Material	Operating temperature range
22617 (Standard)	Buna-N Nitrile rubber 90 Durometer	-30°F to +250°F (-34°C to +121°C)
22033	EPDM Ethylene propylene diene monomer	-65°F to +212°F (-55°C to +100°C)
22068	Viton Fluoroelastomer 90 Durometer	-15°F to +400°F (-25°C to +205°C)
22012	Buna-N, Low temperature nitrile rubber 90 Durometer	-65°F to +225°F (-55°C to +107°C)

O-Ring dash size	Tube size	A		E	
		mm	in	mm	in
-4	-04 (1/4)	8,9	0.351	1,8	0.072
-6	-06 (3/8)	11,9	0.468	2,0	0.078
-8	-08 (1/2)	16,3	0.644	2,3	0.087
-10	-10 (5/8)	19,3	0.755	2,5	0.097
-12	-12 (3/4)	23,4	0.924	3,0	0.116
-16	-16 (1)	29,7	1.171	3,0	0.116
-20	-20 (1 1/4)	37,6	1.475	3,0	0.118
-24	-24 (1 1/2)	43,7	1.720	3,0	0.118

Designating separate ORS O-Ring

To order Eaton O-Ring separately without fittings specify the size and material by using the O-Ring designator and O-Ring base number. The charts to the right offer a simple method to assure the correct O-Ring for your application.



O-Ring base no.	Material	Operating temperature range
FF9446 (Standard)	Buna-N Nitrile Rubber 90 Durometer	-40°F to +250°F (-40°C to +121°C)
FF9807	EPDM Ethylene propylene diene monomer	-65°F to +300°F (-55°C to +150°C)
22046	Viton Fluoroelastomer 90 Durometer	-15°F to +400°F (-25°C to +205°C)
FF9855	Buna-N, Low Temperature Nitrile Rubber 90 Durometer	-65°F to +225°F (-55°C to +107°C)
22546	Neoprene 90 Durometer	-65°F to +300°F (-55°C to +150°C)

O-Ring dash size	Tube size	A		E	
		mm	in	mm	in
-11	-04	7,6	0.301	1,8	0.07
-12	-06	9,2	0.364	1,8	0.07
-14	-08	12,4	0.489	1,8	0.07
-16	-10	15,6	0.614	1,8	0.07
-18	-12	18,8	0.739	1,8	0.07
-21	-16	23,5	0.926	1,8	0.07
-25	-20	29,9	1.176	1,8	0.07
-29	-24	37,8	1.489	1,8	0.07