

Crimp fittings

'E' series	H-2	'Z' series	H-29	
069 'E' series	H-9	Spiral hose fittings (4S/6S).....	H-55	H
327 'E' series.....	H-13	Everflex hose ends		
757 'E' series.....	H-15	Conv-O-Crimp.....	H-91	
057 'P' series.....	H-23	Everswage	H-93	
229 'P' series.....	H-24			
265 'P' series.....	H-25			
338 'P' series.....	H-26			



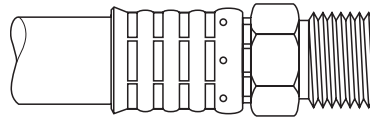
Crimp fittings

'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

'E' series



Ordering information:
Order individually part number.

Compatible hose
H009, H243, H275, H277, H285

⚠ WARNING

For PTFE hose applications, 'E' series fittings must be used with H243 and H277 .030" thin wall hose only

Pressure: Determined by maximum operating pressure for hose size and hose end configuration whichever is lesser. See pages A-24-25 for operating pressure ratings for hose end configurations.

Material: Low carbon steel

Plating: Zinc; clear trivalent chromate

Assemble with: ET1000, ET4000, T-400-1, T-410-1, T-420-1, T-440-1, T-460, T-462, T-465-1, T480, ET4001

Label set: FS-1200

Note:

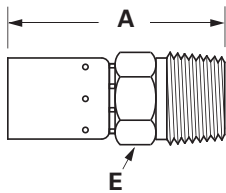
Refer to current price list for availability of cataloged items. Configurations and dimensions subject to change without notice.

Application: General purpose low- and medium-pressure hydraulics. Use H277 where shock hazards exist.

Advantages: Wide selection of hose and end configurations allowing for a diverse number of applications where hose compatibility is a problem.

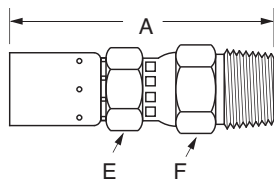
⚠ Refer to important safety information on page A-2.

Male pipe rigid



Hose I.D.	Pipe size	Carbon steel part number	Stainless steel part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E
3/16	1/8	03E-102		1/8-27	1.58	0.75	.09	7/16
3/16	1/4	03E-104	03ER-104	1/4-18	1.83	1.00	.09	9/16
1/4	1/8	04E-102		1/8-27	1.60	0.75	.16	7/16
1/4	1/4	04E-104		1/4-18	1.79	1.00	.16	9/16
1/4	3/8	04E-106		3/8-18	1.82	1.00	.16	11/16
5/16	1/4	05E-104	05ER-104	1/4-18	1.86	0.94	.22	9/16
5/16	3/8	05E-106		3/8-18	1.89	1.00	.22	11/16
3/8	1/4	06E-104		1/4-18	1.90	1.00	.27	9/16
3/8	3/8	06E-106		3/8-18	1.93	1.00	.27	11/16
3/8	1/2	06E-108		1/2-14	2.17	1.25	.27	7/8
1/2	3/8	08E-106		3/8-18	2.02	1.00	.38	3/4
1/2	1/2	08E-108	08ER-108	1/2-14	2.27	1.25	.38	7/8
3/4	3/4	12E-112		3/4-14	2.51	1.31	.61	1-1/16
1	1	16E-116		1-11-1/2	2.95	1.63	.84	1-3/8

Male pipe swivel



Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-J04	1/4-18	2.68	1.81	.16	5/8	13/16
5/16	1/4	05E-J04	1/4-18	2.75	8	13/16		
3/8	3/8	06E-J06	3/8-18	2.79	1.81	.27	11/16	7/8
1/2	1/2	08E-J08	1/2-14	3.03	2.00	.39	3/4	7/8
3/4	3/4	12E-J12	3/4-14	3.73	2.50	.61	1-1/4	1-1/4

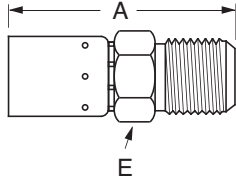
Note: Swivel for installation purposes only. (Not for temperatures above 212°F.)

Teflon is a trademark of The Chemours Company FC, LLC used under license by Eaton.

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

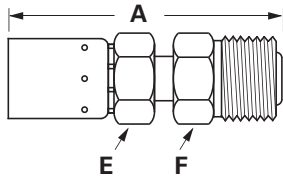
'E' series

JIC 37° Male rigid



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E
1/4	1/4	04E-504	7/16-20	1.78	0.94	.16	1/2
1/4	5/16	04E-505	1/2-20	1.78	0.94	.19	9/16
1/4	3/8	04E-506	9/16-18	1.82	1.00	.22	5/8
5/16	5/16	05E-505	1/2-20	1.86	0.94	.22	9/16
3/8	3/8	06E-506	9/16-18	1.92	1.00	.27	5/8
3/8	1/2	06E-508	3/4-16	2.08	1.19	.27	13/16
1/2	1/2	08E-508	3/4-16	2.18	1.19	.27	13/16
1/2	5/8	08E-510	7/8-14	2.31	1.25	.42	15/16
3/4	3/4	12E-512	1-1/16-12	2.63	1.44	.61	1-1/8
1	1	16E-516	1-5/16-12	2.83	1.50	.84	1-3/8

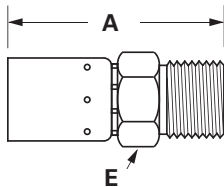
Inverted male swivel straight



Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	3/16	04E-B03	3/8-24	3.06	2.19	.12	7/16	3/8
1/4	1/4	04E-B04	7/16-24	2.44	1.63	.15	7/16	7/16
1/4	5/16	04E-B05	1/2-20	3.71	2.88	.16	7/16	1/2
5/16	5/16	05E-B05	1/2-20	2.57	1.61	.21	9/16	1/2
3/8	5/16	06E-B05	1/2-20	2.56	1.63	.21	9/16	1/2
3/8	3/8	06E-B06	5/8-18	2.81	1.81	.24	5/8	5/8
1/2	1/2	08E-B08	3/4-18	3.14	2.06	.33	3/4	3/4

Air brake connection — Tube

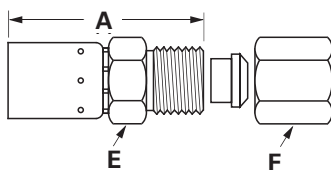
(For use with H243 PTFE hose Only)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Tube size	Part number sleeve	Part number nut
1/2	1/2	08E-Y58	11/16-20	2.12	1.06	.38	3/4	3/8	1360x6	1361x6
1/2	5/8	08E-Y60	13/16-18	2.18	1.13	.38	7/8	1/2	1360x8	1361x8
3/4	5/8	12E-Y60	13/16-18	2.31	1.13	.53	1	5/8	1360x10	1361x10
3/4	3/4	12E-Y62	1-18	2.38	1.19	.61	1	3/4	1360x12	1361x12

Flareless tube rigid

(With Ermeto nut and sleeve)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
5/16	3/8	05E-756	9/16-18	1.88	1.00	.22	5/8	11/16
3/8	5/16	06E-755	1/2-20	1.78	.88	.23	9/16	5/8
3/8	3/8	06E-756	9/16-18	1.82	.88	.27	5/8	11/16
1/2	1/2	08E-758	3/4-16	2.08	1.06	.38	13/16	7/8

(For replacement nuts and sleeves, see page J-144.)

Crimp fittings

'E' series

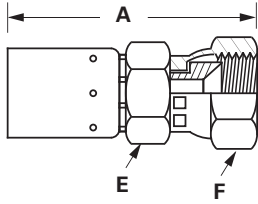
To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

'E' series

JIC 37° Female swivel

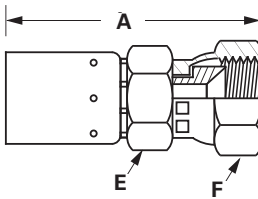
(Exceptions noted)



Hose I.D.	Tube size	Carbon steel part number	Stainless steel part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
3/16	1/4	03E-604 ^a	03ER-604	7/16-20	1.89	1.00	.09	7/16	9/16
1/4	1/4	04E-604 ^a		7/16-20	1.92	1.13	.16	7/16	9/16
1/4	5/16	04E-605 ^a		1/2-20	2.00	1.19	.16	1/2	5/8
1/4	3/8	04E-606		9/16-18	2.06	1.25	.16	9/16	11/16
5/16	5/16	05E-605 ^a		1/2-20	2.07	1.19	.22	1/2	5/8
5/16	3/8	05E-606	05ER-606	9/16-18	2.12	1.19	.22	9/16	11/16
3/8	3/8	06E-606		9/16-18	2.19	1.25	.27	9/16	11/16
3/8	1/2	06E-608 ^a		3/4-16	2.30	1.38	.27	3/4	7/8
1/2	1/2	08E-608 ^a	08ER-608	3/4-16	2.39	1.38	.38	3/4	7/8
1/2	5/8	08E-610 ^a		7/8-14	2.51	1.50	.38	7/8	1
3/4	3/4	12E-612		1-1/16-12	2.76	1.56	.61	1	1-1/4
1	1	16E-616		1-5/16-12	3.05	1.75	.84	1-1/4	1-1/2

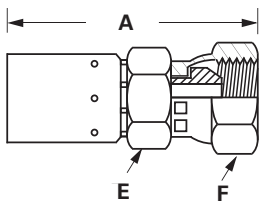
^a Swivel nuts are universal — both SAE 37° and 45° connections.

SAE 45° Female swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
5/16	3/8	05E-406	5/8-18	2.03	1.13	.22	9/16	3/4
3/8	3/8	06E-406	5/8-18	2.06	1.13	.27	9/16	3/4
3/4	3/4	12E-412	1-1/16-14	2.76	1.56	.61	1	1-1/4

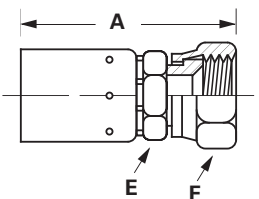
British Standard (BSPP) 60° cone female pipe swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
3/16	1/4	03E-354	G-1/4-19*	2.01	1.19	.16	9/16	11/16
1/4	1/4	04E-354	G-1/4-19*	2.07	1.25	.16	9/16	3/4
3/8	3/8	06E-356	G-3/8-19*	2.09	1.13	.27	3/4	7/8
3/8	1/2	06E-358	G-1/2-14*	2.47	1.50	.27	13/16	1
1/2	1/2	08E-358	G-1/2-14*	2.56	1.50	.39	13/16	1
1/2	5/8	08E-360	G-5/8-14*	2.70	1.63	.39	7/8	1-3/16
3/4	3/4	12E-362	G-3/4-14*	2.94	1.69	.61	1	1-1/4
1	1	16E-366	G-1-11*	3.38	2.00	.84	1-1/4	1-1/2

*G as part of thread size is ISO designation for parallel thread.

Female swivel JIS 30° flare parallel pipe swivel



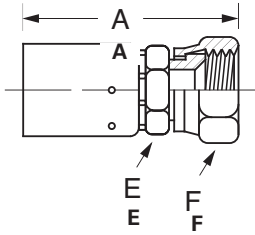
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-04L	G-1/4-19*	2.03	1.19	.16	9/16	3/4
3/8	3/8	06E-06L	G-3/8-19*	2.22	1.25	.27	11/16	7/8
1/2	1/2	08E-08L	G-1/2-14*	2.30	1.25	.39	13/16	1-1/16
3/4	3/4	12E-12L	G-3/4-14*	2.75	1.50	.81	1	1-5/16
1	1	16E-16L	G-1-11*	3.15	1.81	.84	1-1/4	1-1/2

*G as part of thread size is ISO designation for parallel thread.

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

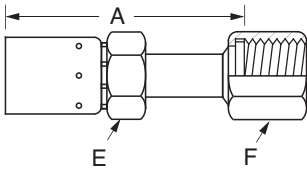
'E' series

Female ORS swivel straight



Hose I.D.	Tube size	Carbon steel part number	Stainless steel part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
5/16	3/8	05E-J66	05ER-J66	11/16-16	2.06	0.93	0.22	11/16	13/16
1/2	1/2	08E-J68	08ER-J68	13/16-16	2.43	1.04	0.36	13/16	15/16

Female ORS swivel straight

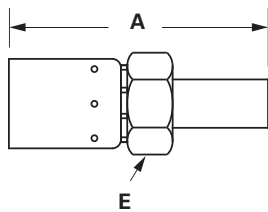


Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-S64	9/16-18	2.14	1.31	.15	5/8	11/16
1/4	3/8	04E-S66	11/16-16	2.20	1.38	.16	5/8	13/16
5/16	3/8	05E-S66	11/16-16	2.28	1.38	.22	9/16	13/16
3/8	3/8	06E-S66	11/16-16	2.37	1.44	.24	9/16	13/16
3/8	1/2	06E-S68	13/16-16	2.65	1.69	.24	5/8	15/16
1/2	1/2	08E-S68	13/16-16	2.74	1.69	.33	3/4	15/16
1/2	5/8	08E-S70	1-14	2.83	1.81	.39	3/4	1-1/8
3/4	3/4	12E-S72	1-3/16-12	3.10	1.88	.59	1	1-3/8
1	1	16E-S76	1-7/16-12	3.76	2.44	.78	1-1/4	1-5/8

Compatible air brake nuts & sleeves (order separately)

Straight tube — Brass

(For use with H243 PTFE hose Only)



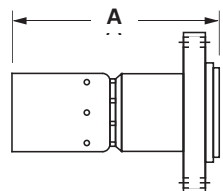
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Tube size	Part number sleeve	Part number nut
1/2	1/2	08E-T58	3.32	2.31	.39	3/4		1/2	1360x8	1361x8
1/2	5/8	08E-T60	3.45	2.44	.47	3/4		5/8	1360x10	1361x10
3/4	5/8	12E-T60	3.66	2.44	.47	1		3/4	1360x12	1361x12
3/4	3/4	12E-T62	4.00	2.81	.61	1				

Insert — Brass
Collar — Steel

WARNING: California Proposition 65, see page A-2.

Compressor discharge Flange end — GM bus only

(For use with H243 PTFE hose Only)



Hose I.D.	Part number	A	Hose cut-off factor	Hole dia.
3/4	12E-X92	2.64	1.38	.61

Note: Part will not crimp in T-420 press.

Crimp fittings

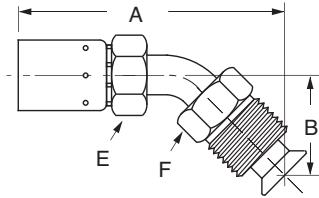
'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

'E' series

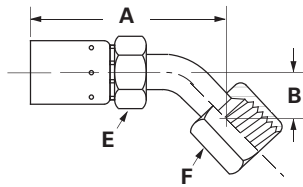
Inverted male swivel 45° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	3/16	04E-B43	3/8-24	2.82	.69	2.00	.12	7/16	3/8
1/4	1/4	04E-B44	7/16-24	2.94	.93	2.13	.15	7/16	7/16
3/8	5/16	06E-B45	1/2-20	3.37	1.14	2.44	.21	9/16	1/2
3/8	3/8	06E-B46	5/8-18	3.63	1.34	2.69	.24	5/8	5/8
1/2	1/2	08E-B48	3/4-18	4.32	1.58	3.25	.33	3/4	3/4
1/2	5/8	08E-B50	7/8-18	4.45	1.75	3.44	.39	3/4	7/8

JIC 37° Female swivel 45° tube elbow

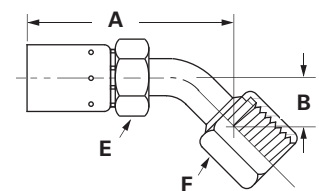
(Exceptions noted)



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-684 ^a	7/16-20	2.37	.33	1.56	.15	7/16	9/16
1/4	5/16	04E-685 ^a	1/2-20	2.50	.36	1.63	.16	7/16	5/8
5/16	3/8	05E-686	9/16-18	2.65	.39	1.69	.22	9/16	11/16
3/8	3/8	06E-686	9/16-18	2.74	.39	1.75	.24	5/8	11/16
3/8	1/2	06E-688 ^a	3/4-16	2.99	.56	2.00	.27	5/8	7/8
1/2	1/2	08E-688 ^a	3/4-16	2.88	.56	1.78	.33	3/4	7/8
1/2	5/8	08E-690 ^a	7/8-14	3.28	.63	2.25	.39	3/4	1
3/4	3/4	12E-692	1-1/16-12	3.72	.78	2.38	.58	1	1-1/4
1	1	16E-696	1-5/16-12	4.67	1.10	3.31	.83	1-1/4	1-1/2

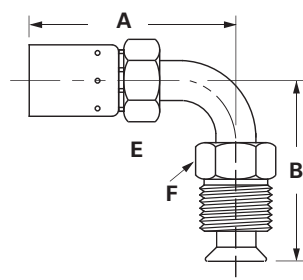
^a Swivel nuts are universal — both SAE 37° and 45° connections.

Female ORS swivel 45° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-L64	9/16-18	2.46	.41	1.63	.15	7/16	11/16
1/4	3/8	04E-L66	11/16-16	2.69	.43	1.75	.15	5/8	13/16
5/16	3/8	05E-L66	11/16-16	2.70	.43	1.75	.22	9/16	13/16
3/8	3/8	06E-L66	11/16-16	2.79	.43	1.81	.24	5/8	13/16
1/2	1/2	08E-L68	13/16-16	3.14	.60	2.13	.33	3/4	15/16
3/4	3/4	12E-L72	1-3/16-12	3.83	.83	2.63	.59	1	1-3/8
1	1	16E-L76	1-7/16-12	4.31	.94	3.00	.76	1-1/4	1-5/8

Inverted male swivel 90° tube elbow



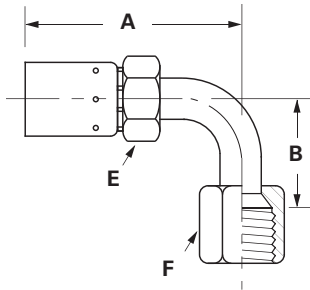
Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	3/16	04E-B63	3/8-24	2.23	1.06	1.38	.12	7/16	3/8
1/4	1/4	04E-B64	7/16-24	2.25	1.36	1.31	.15	7/16	7/16
3/8	5/16	06E-B65	1/2-20	2.49	1.61	1.56	.21	9/16	1/2
3/8	3/8	06E-B66	5/8-18	2.92	1.97	1.94	.24	5/8	5/8
1/2	1/2	08E-B68	3/4-18	3.03	2.32	2.00	.33	3/4	3/4

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

'E' series

JIC 37° Female swivel 90° tube elbow

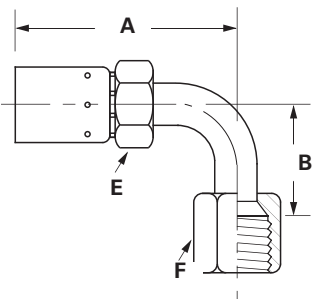
(Exceptions noted)



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-664 ^a	7/16-20	2.27	.68	1.44	.15	7/16	9/16
1/4	5/16	04E-665 ^a	1/2-20	2.47	.77	1.63	.16	7/16	5/8
5/16	5/16	05E-665 ^a	1/2-20	2.58	.77	1.63	.21	9/16	5/8
5/16	3/8	05E-666	9/16-18	2.57	.85	1.62	.22	9/16	11/16
3/8	3/8	06E-666	9/16-18	2.63	.85	1.68	.24	5/8	11/16
3/8	1/2	06E-668 ^a	3/4-16	2.76	1.09	1.81	.27	5/8	7/8
1/2	1/2	08E-668 ^a	3/4-16	2.82	1.09	1.75	.33	3/4	7/8
1/2	5/8	08E-670 ^a	7/8-14	3.34	1.23	2.31	.39	3/4	1
3/4	3/4	12E-672	1-1/16-12	3.70	1.82	2.50	.59	1	1-1/4
1	1	16E-676	1-5/16-12	4.39	2.14	3.00	.83	1-1/4	1-1/2

^a Swivel nuts are universal — both SAE 37° and 45° connections.

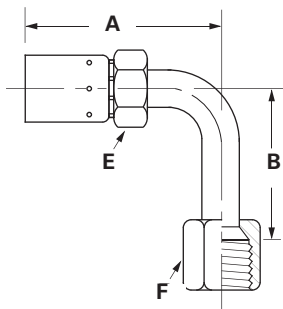
SAE 45° Female swivel 90° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
3/8	3/8	06E-466	5/8-18	2.72	.85	1.75	.24	5/8	3/4

JIC 37° Female swivel long drop 90° tube elbow

(Exceptions noted)



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-644 ^a	7/16-20	2.27	1.80	1.42	.15	7/16	9/16
1/4	5/16	04E-645 ^a	1/2-20	2.51	1.80	1.63	.16	7/16	5/8
5/16	3/8	05E-646	9/16-18	2.63	2.18	1.69	.22	9/16	11/16
3/8	3/8	06E-646	9/16-18	2.66	2.18	1.69	.24	5/8	11/16
3/8	1/2	06E-648 ^a	3/4-16	2.83	2.43	1.88	.27	5/8	7/8
1/2	1/2	08E-648 ^a	3/4-16	2.82	2.43	1.75	.33	3/4	7/8
1/2	5/8	08E-650 ^a	7/8-14	2.96	2.57	1.94	.39	3/4	1
3/4	3/4	12E-652	1-1/16-12	3.74	3.73	2.50	.58	1	1-1/4
1	1	16E-656	1-5/16-12	4.36	4.33	3.00	.83	1-1/4	1-1/2

^a Swivel nuts are universal — both SAE 37° and 45° connections.

Crimp fittings

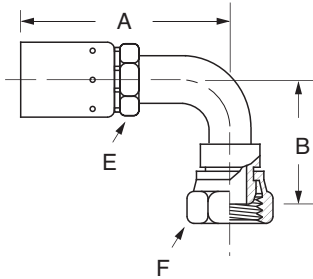
'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

'E' series

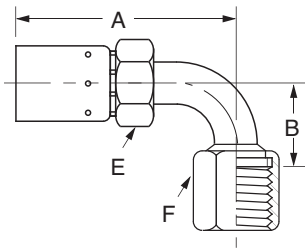
British Standard (BSPP) 60° cone female pipe swivel 90° elbow



Hose I.D.	BSPP pipe size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-74P	G-1/4-19*	2.89	1.50	2.06	.16	7/16	3/4
3/8	3/8	06E-76P	G-3/8-19*	2.96	1.66	2.00	.27	5/8	7/8
1/2	1/2	08E-78P	G-1/2-14*	2.95	1.73	1.88	.37	3/4	1
3/4	3/4	12E-82P	G-3/4-14*	3.83	2.43	2.61	.61	1	1-1/4

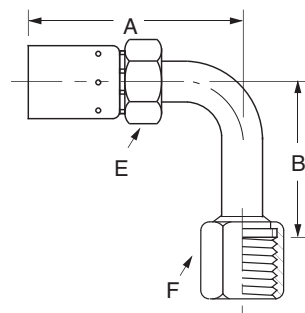
*G as part of thread size is ISO designation for parallel thread.

Female ORS swivel short drop 90° elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-A24	9/16-18	2.27	.81	1.44	.21	7/16	11/16
1/4	3/8	04E-A26	11/16-16	2.54	.90	1.69	.16	5/8	13/16
5/16	3/8	05E-A26	11/16-16	2.62	.90	1.69	.22	9/16	13/16
3/8	3/8	06E-A26	11/16-16	2.71	.90	1.75	.24	5/8	13/16
3/8	1/2	06E-A28	13/16-16	2.81	1.15	1.88	.27	5/8	15/16
1/2	1/2	08E-A28	13/16-16	2.90	1.15	1.88	.33	3/4	15/16
3/4	3/4	12E-A32	1-3/16-12	3.70	1.88	2.50	.59	1	1-3/8
1	1	16E-A36	1-7/16-12	4.01	2.21	2.69	.76	1-1/4	1-5/8

Female ORS swivel long drop 90° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	04E-A64	9/16-18	2.41	1.80	1.56	.21	7/16	11/16
5/16	3/8	05E-A66	11/16-16	2.73	2.12	1.81	.22	9/16	13/16
3/8	3/8	06E-A66	11/16-16	2.82	2.12	1.88	.24	5/8	13/16
3/8	1/2	06E-A68	13/16-16	2.80	2.50	1.88	.27	5/8	15/16
1/2	1/2	08E-A68	13/16-16	2.89	2.50	1.88	.33	3/4	15/16

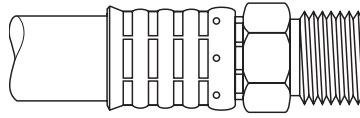
To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Crimp fittings


069 'E' series

H

069 'E' series



Ordering information: Order individually by part number.

 Refer to important safety information on page A-2.

Compatible hose: H059, H069, H166, H169, H229, H239, H366, H569

Pressure: Determined by maximum working pressure for hose size and hose end configuration whichever is lesser. See pages A-24-25 for

working pressure ratings for hose end configurations.

Material: Low carbon steel

Plating: Zinc; clear trivalent chromate

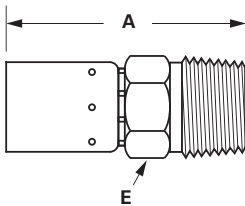
Assemble with: T-400-1, T-410-1, T-420-1, T-440-1, T-460, T-462, T-465-1, T-480, ET4000, ET4001.

Label set: FS-1500

Application: General purpose low- and medium-pressure hydraulics. Generally used for truck and off-road vehicle applications.

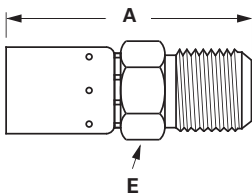
Advantages: Wide selection of hose and end configurations allowing for a diverse number of applications. Limited competition and economical cost.

Male pipe rigid



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E
3/16	1/8	06904E-102	1/8-27	1.70	.75	.13	7/16
3/16	1/4	06904E-104	1/4-18	1.88	1.00	.13	9/16
1/4	1/4	06905E-104	1/4-18	1.88	1.00	.18	9/16
5/16	1/4	06906E-104	1/4-18	2.04	1.00	.24	5/8
5/16	3/8	06906E-106	3/8-18	2.03	1.00	.24	11/16
13/32	3/8	06908E-106	3/8-18	2.04	1.00	.31	3/4
13/32	1/2	06908E-108	1/2-14	2.29	1.25	.31	7/8
1/2	1/2	06910E-108	1/2-14	2.41	1.38	.39	7/8
1/2	3/4	06910E-112	3/4-14	2.47	1.38	.39	1-1/16
5/8	3/4	06912E-112	3/4-14	2.52	1.25	.51	1-1/16
7/8	3/4	06916E-112	3/4-14	2.69	1.44	.71	1-1/8
7/8	1	06916E-116	1-11-1/2	2.88	1.63	.75	1-3/8
1-1/8	1-1/4	06920E-120	1-1/4-11-1/2	3.06	1.69	1.00	1-11/16
1-3/8	1-1/2	06924E-124	1-1/2-11-1/2	3.37	2.00	1.25	2
1-13/16	2	06932E-132	2-11-1/2	3.38	2.00	1.63	2-1/2

JIC 37° Male rigid



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E
3/16	1/4	06904E-504	7/16-20	1.87	1.00	.13	1/2
1/4	5/16	06905E-505	1/2-20	1.87	1.00	.18	9/16
5/16	3/8	06906E-506	9/16-18	2.03	1.00	.24	5/8
13/32	1/2	06908E-508	3/4-16	2.19	1.19	.31	13/16
1/2	5/8	06910E-510	7/8-14	2.43	1.25	.39	15/16
5/8	3/4	06912E-512	1-1/16-12	2.63	1.38	.51	1-1/8
7/8	1	06916E-516	1-5/16-12	2.85	1.50	.75	1-3/8
1-1/8	1-1/4	06920E-520	1-5/8-12	3.06	1.63	1.00	1-11/16
1-3/8	1-1/2	06924E-524	1-7/8-12	3.17	1.81	1.25	2

Crimp fittings

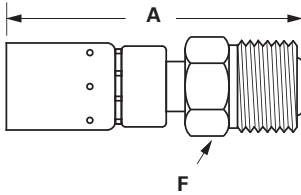
069 'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

069 'E' series

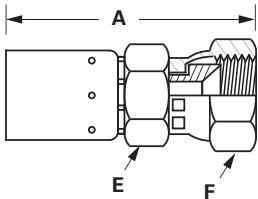
Inverted male swivel straight



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex F
3/16	1/4	06904E-B04	7/16-24	2.58	1.56	.13	7/16
1/4	5/16	06905E-B05	1/2-20	2.63	1.63	.18	1/2
5/16	3/8	06906E-B06	5/8-18	2.87	1.78	.24	5/8
13/32	1/2	06908E-B08	3/4-18	3.24	2.06	.31	3/4

JIC 37° female swivel

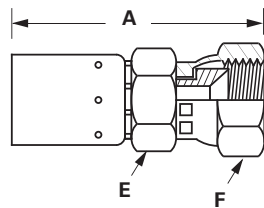
(Exceptions noted)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
3/16	1/4	06904E-604 ^a	7/16-20	2.01	1.06	.13	7/16	9/16
1/4	5/16	06905E-605 ^a	1/2-20	2.09	1.19	.18	7/16	5/8
5/16	3/8	06906E-606	9/16-18	2.26	1.19	.24	9/16	11/16
5/16	1/2	06906E-608 ^a	3/4-16	2.41	1.31	.24	3/4	7/8
13/32	1/2	06908E-608 ^a	3/4-16	2.41	1.38	.31	3/4	7/8
1/2	1/2	06910E-608 ^a	3/4-16	2.53	1.44	.39	13/16	7/8
1/2	5/8	06910E-610 ^a	7/8-14	2.62	1.50	.39	13/16	1
5/8	3/4	06912E-612	1-1/16-12	2.77	1.50	.51	1	1-1/4
7/8	1	06916E-616	1-5/16-12	3.11	1.75	.75	1-1/4	1-1/2
1-1/8	1-1/4	06920E-620	1-5/8-12	3.30	1.81	1.00	1-9/16	2
1-3/8	1-1/2	06924E-624	1-7/8-12	3.45	2.13	1.25	2	2-1/4
1-13/16	2	06932E-632	2-1/2-12	4.15	2.81	1.63	2-1/2	3

^a Swivel nuts are universal — both SAE 37° and 45° connections.

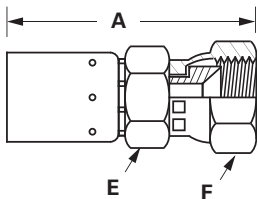
SAE 45° female swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
5/16	3/8	06906E-406	5/8-18	2.18	1.13	.24	9/16	3/4
5/8	3/4	06912E-412	1-1/16-14	2.81	1.50	.51	1	1-1/4

30° flare female swivel

(PTT thread for diesel applications)



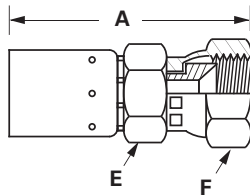
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
7/8	1	06916E-X26	1-5/16-14	2.96	1.69	.75	1-1/4	1-1/2

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly

069 'E' series

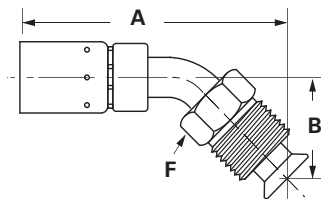
Female swivel 30° flare

(Komatsu, Linkbelt)



Hose I.D.	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
5/16	06906E-18K	M18x1.5	2.38	1.31	.24	3/4	7/8
1/2	06910E-22K	M22x1.5	2.65	1.56	.39	13/16	1
5/8	06912E-24K	M24x1.5	2.88	1.56	.52	1	1-1/4
5/8	06912E-30K	M30x1.5	2.90	1.63	.52	1-1/4	1-3/8
7/8	06916E-33K	M33x1.5	3.11	1.81	.75	1-1/4	1-1/2
1-3/8	06924E-42K	M42x1.5	3.55	2.19	1.25	2	2-1/8

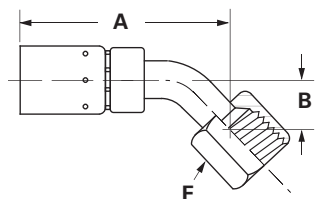
Inverted male swivel 45° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex F
3/16	1/4	06904E-E44	7/16-24	3.08	.93	2.06	.12	7/16
1/4	5/16	06905E-E45	1/2-20	3.42	1.14	2.44	.18	1/2
5/16	3/8	06906E-E46	5/8-18	3.65	1.34	2.56	.21	5/8

JIC 37° female swivel 45° tube elbow

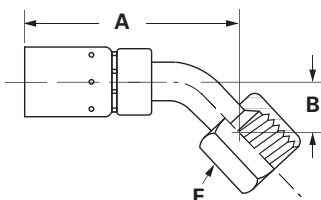
(Exceptions noted)



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex F
3/16	1/4	06904E-684 ^a	7/16-20	2.50	.33	1.50	.13	9/16
1/4	5/16	06905E-685 ^a	1/2-20	2.63	.36	1.63	.18	5/8
5/16	3/8	06906E-686	9/16-18	2.78	.38	1.69	.24	11/16
13/32	1/2	06908E-688 ^a	3/4-16	3.07	.55	1.83	.31	7/8
1/2	5/8	06910E-690 ^a	7/8-14	3.39	.63	2.31	.45	1
5/8	3/4	06912E-692	1-1/16-12	3.70	.78	2.38	.52	1-1/4
7/8	1	06916E-696	1-5/16-12	4.68	1.10	3.38	.75	1-1/2

^a Swivel nuts are universal — both SAE 37° and 45° connections.

SAE 45° female swivel 45° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex F
5/16	3/8	06906E-486	5/8-18	2.77	.39	1.69	.24	3/4
5/8	3/4	06912E-492	1-1/16-14	3.74	.78	2.44	.52	1-1/4

Crimp fittings

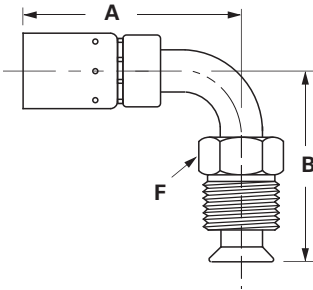
069 'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

069 'E' series

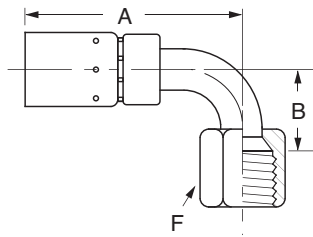
Inverted Male swivel 90° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex F
3/16	1/4	06904E-E04	7/16-24	2.31	1.36	1.25	.13	7/16
1/4	5/16	06905E-E05	1/2-20	2.59	1.61	1.56	.18	1/2
5/16	1/4	06906E-E04	7/16-24	2.43	1.36	1.31	.15	7/16
5/16	5/16	06906E-E05	1/2-20	2.66	1.61	1.56	.21	1/2
5/16	3/8	06906E-E06	5/8-18	2.94	1.97	1.85	.24	5/8
1/2	5/8	06910E-E10	7/8-18	3.27	2.58	2.30	.39	7/8

JIC 37° Female swivel 90° tube elbow

(Exceptions noted)



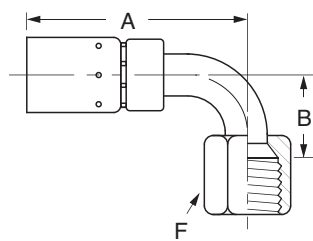
Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex F
3/16	1/4	06904E-664 ^a	7/16-20	2.41	.68	1.38	.13	9/16
1/4	5/16	06905E-665 ^a	1/2-20	2.62	.77	1.63	.21	5/8
5/16	3/8	06906E-666	9/16-18	2.73	.85	1.78	.24	11/16
13/32	1/2	06908E-668 ^a	3/4-16	2.87	1.09	1.75	.31	7/8
1/2	5/8	06910E-670 ^a	7/8-14	3.52	1.23	2.44	.39	1
5/8	3/4	06912E-672	1-1/16-12	3.66	1.82	2.31	.58	1-1/4
7/8	1	06916E-676	1-5/16-12	4.40	2.14	3.13	.76	1-1/2
1-1/8	1-1/4 *	06920E-657 [†]	1-5/8-12	4.32	5.38	2.90	1.00	2
1-1/8	1-1/4 *	06920E-677	1-5/8-12	4.27	3.25	2.90	1.01	2
1-3/8	1-1/2 *	06924E-678	1-7/8-12	4.09	3.05	2.70	1.25	2-1/2

* 20 and 24 size ends have crimped nuts.

[†] Long drop elbow.

^a Swivel nuts are universal — both SAE 37° and 45° connections.

SAE 45° Female swivel 90° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex F
5/16	3/8	06906E-466	5/8-18	2.76	.85	1.56	.24	3/4
5/8	3/4	06912E-472	1-1/16-14	3.64	1.82	2.31	.52	1-1/4

327 'E' series

Ordering Information: Order individually part number.

⚠ Refer to important safety information on page A-2.

Compatible hose
GH100

Pressure: Determined by working pressure for hose and hose size.

Material: Low carbon steel

Plating: Clear trivalent chromate

Assemble with: ET1000, ET4000, ET4001, T-400-1, T-410-1, T-420-1, T-440-1, T-460, T-462, T-465-1, T480, ET1187, ET1380, FT1390, ET5040, ET5050.

Label set: FS-1200

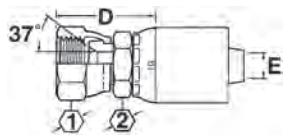
Application: General purpose low- and medium-pressure hydraulics.

Note:

Refer to current price list for availability of cataloged items. Configurations and dimensions subject to change without notice.

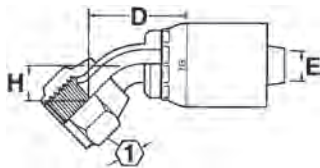
To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Female JIC, SAE 37° swivel



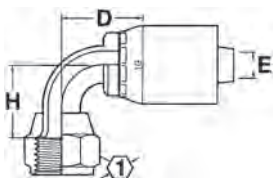
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
6	6	32706E-606	9/16-18	2.19	1.19	0.26	11/16	11/16
8	8	32708E-608	3/4-16	2.63	1.46	0.38	7/8	13/16
10	10	32710E-610	7/8-14	2.77	1.61	0.5	1	15/16
12	12	32712E-612	1 1/6-12	2.84	1.65	0.61	1 1/4	1 1/8

Female JIC/SAE 37° swivel 45° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	H	Hose cut-off factor	Hole dia.	Hex
6	6	32706E-686	9/16-18	2.31	0.39	1.31	.24	11/16
8	8	32708E-688	3/4-16	2.82	0.55	1.65	.37	7/8
10	10	32710E-690	7/8-14	2.94	0.59	1.79	.46	1
12	12	32712E-692	1 1/6-12	3.43	0.78	2.24	.58	1 1/4

Female JIC/SAE 37° swivel 90° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	H	Hose cut-off factor	Hole dia.	Hex
6	6	32706E-666	9/16-18	2.21	0.84	1.22	.24	11/16
8	8	32708E-668	3/4-16	2.59	1.09	1.42	.37	7/8
10	10	32710E-670	7/8-14	2.7	1.19	1.55	.46	1
12	12	32712E-672	1 1/6-12	3.36	1.8	2.17	.58	1 1/4

Crimp fittings

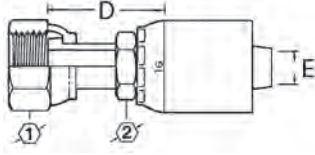
327 'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

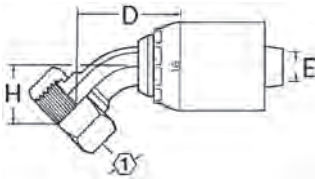
327 'E' series

Female ORS



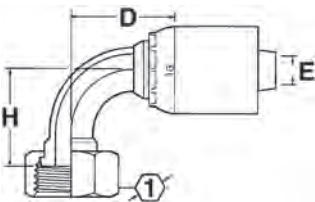
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia. E	Hex 1	Hex 2
6	6	32706E-S66	11/16-16	2.23	1.24	0.26	13/16	11/16
8	8	32708E-S68	13/16-16	2.67	1.5	0.38	15/16	7/8
10	10	32710E-S70	1-14	2.76	1.61	0.48	1 1/8	15/16
12	12	32712E-S72	1 3/16-12	2.91	1.72	0.61	1 3/8	1 -1/8

Female ORS 45° elbow



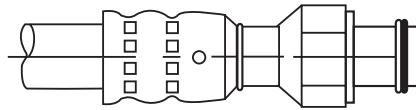
Hose I.D.	Tube size	Part number	Thread size	A	H	Hose cut-off factor	Hole dia.	Hex
6	6	32706E-L66	11/16-16	2.43	0.43	1.43	.26	13/16
8	8	32708E-L68	13/16-16	2.96	0.59	1.79	.36	15/16
12	12	32712E-L72	1 3/16-12	3.57	0.83	2.38	.55	1 3/8

Female ORS 90° Elbow




Hose I.D.	Tube size	Part number	Thread size	A	H	Hose cut-off factor	Hole dia.	Hex
6	6	32706E-A26	11/16-16	2.34	0.9	1.34	.26	13/16
8	8	32708E-A28	13/16-16	2.84	1.15	1.67	.36	15/16
12	12	32710E-A30	1 3/16-12	3.49	1.88	2.3	.55	1 3/8

757 'E' series



Ordering information: Order individually by catalog number.

 Refer to important safety information on page A-2.

Compatible hose: H757

Pressure: Determined by hose burst pressure. See pages A-24-25 for operating pressure ratings for hose end configurations.

Material: Carbon steel

Plating: Zinc; clear trivalent chromate

Assemble with: T-400-1, T-410-1, T-420-1, T-440-1, T-460, T-462, T-465-1, T-475-1, T-480, ET4000

Label set: FS-3200

Note: Refer to current price list for availability of cataloged items. Configurations and dimensions subject to change without notice.

Applications:

Used with R134a and R12 applications. Ideal for heavy duty truck use as well as industrial and automotive applications.

Advantages: Wide selection of hose ends which include the flareless ends, allowing use of existing tubing. Steel hose ends handle heavy duty demands.

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

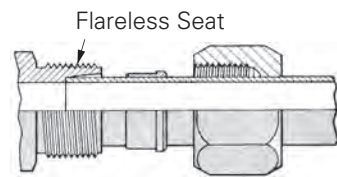
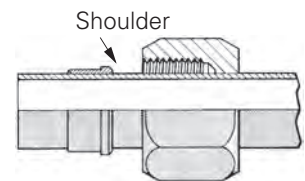
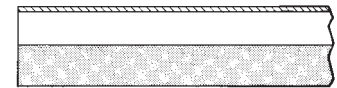
757 'E' series air conditioning procedure

The crimp machine system can be used to make original equipment assemblies using factory replacement ends. If the required hose end is not found, our Flareless hose end can be used. By following the instructions on this page, a new hose assembly can be made by combining Weatherhead hose end with the original equipment end configuration.

- Typical original equipment assembly
- Typical assembly of a Flareless hose end used with an old original equipment end configuration
- Weatherhead replacement assemblies using original equipment tubing with Weatherhead 757 'E' Series hose ends

Preparation – Flareless tube assembly

1. Remove the bad tube assembly or if room permits, perform the cutting procedure in place. Cut the tube squarely and as close to the hose connection as possible. Allow an adequate straight area for the flareless nut and sleeve to move freely for installation purposes. Deburr the inside and outside diameters of the tubing.



Make presetting operation

1. Slide nut and then sleeve onto tube. Shoulder of sleeve must be toward nut.
2. Lubricate threads, seat in hose end, and flareless sleeve with a good grade of lubricant. Insert tube into seat of hose end, making sure that tube is bottomed, **TIGHTEN HAND TIGHT** and then tighten an **ADDITIONAL 1 to 1-1/6 turns** with a wrench.

Note:

Compensate for tubing being removed by adding to the over all length of the replacement hose assembly.

Crimp fittings

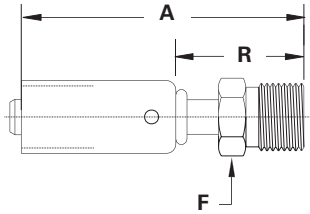
757 'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly. All dimensions shown in inches.

H

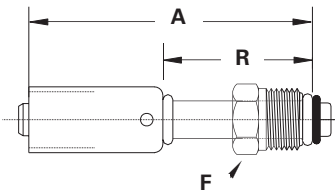
757 'E' series

Bumped tube O-Ring Male rigid



Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Hose cut-off factor	Hex F
5/16	3/8	75706E-W06	5/8-18	2.94	1.54	1.63	5/8
13/32	1/2	75708E-W08	3/4-16	3.26	1.86	2.00	3/4
1/2	5/8	75710E-W10	7/8-14	3.35	1.95	2.13	7/8
5/8	5/8	75712E-W10	7/8-14	3.56	2.06	2.25	7/8
5/8	3/4	75712E-W12	1-1/16-14	3.56	2.06	2.25	1-1/16

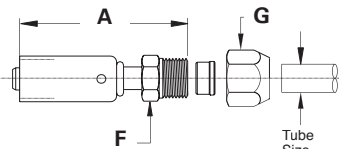
Bumped tube O-Ring Male swivel



Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Hose cut-off factor	Hex F	O-Ring
5/16	3/8	75706E-Z06	5/8-18	2.94	1.54	1.63	5/8	ZW74706
5/16	1/2	75706E-Z08	3/4-18	3.15	1.75	1.88	3/4	ZW74708
13/32	1/2	75708E-Z08	3/4-18	3.26	1.86	2.00	3/4	ZW74708
1/2	5/8	75710E-Z10	7/8-18	3.35	1.95	2.13	7/8	ZW74710
1/2	3/4	75710E-Z12	1-1/16-16	3.46	2.06	2.25	1-1/16	ZW74712
5/8	5/8	75712E-Z10	7/8-18	3.56	2.06	2.25	7/8	ZW74710
5/8	3/4	75712E-Z12	1-1/16-16	3.56	2.06	2.25	1-1/16	ZW74712

(Includes o-ring).

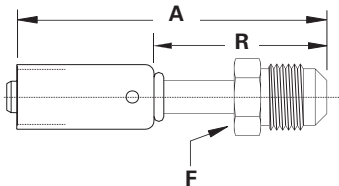
Male rigid compression fitting (with nut and sleeve)



Hose I.D.	Tube size	Part number	Thread size	Length A	Hose cut-off factor	Hex F	Hex G
5/16	3/8	75706E-756	5/8-18	2.59	1.38	5/8	3/4
5/16	1/2	75706E-758	3/4-16	2.71	1.50	3/4	7/8
13/32	3/8	75708E-756	5/8-18	2.65	1.38	5/8	3/4
13/32	1/2	75708E-758	3/4-16	2.78	1.50	3/4	7/8
13/32	5/8	75708E-760	7/8-14	2.90	1.63	7/8	1-1/16
1/2	1/2	75710E-758	3/4-16	2.84	1.63	3/4	7/8
1/2	5/8	75710E-760	7/8-14	2.90	1.63	7/8	1-1/16
5/8	5/8	75712E-760	7/8-14	3.13	1.75	7/8	1-1/16
5/8	3/4	75712E-762	1-1/16-14	3.25	1.88	1-1/16	1-1/4

Flareless - see page H-15 for assembly instructions

SAE 45° Male rigid

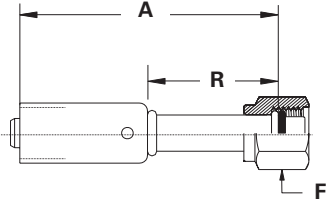


Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Hose cut-off factor	Hex F
5/16	3/8	75706E-306	5/8-18	3.28	1.88	2.00	5/8
13/32	1/2	75708E-308	3/4-16	3.40	2.00	2.13	3/4
1/2	5/8	75710E-310	7/8-14	3.71	2.31	2.50	7/8
5/8	3/4	75712E-312	1-1/16-14	4.00	2.50	2.75	1-1/16

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly. All dimensions shown in inches.

757 'E' series

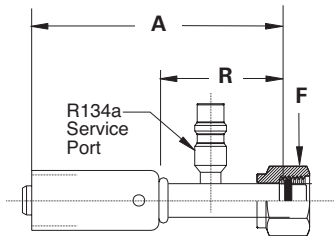
Bumped tube O-Ring Female swivel



Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Hose cut-off factor	Hex F	O-Ring
5/16	3/8	75706E-Z47	5/8-18	2.78	1.38	1.50	3/4	ZW74706
5/16	1/2	75706E-Z49	3/4-16	2.90	1.50	1.63	7/8	ZW74708
13/32	1/2	75708E-Z49	3/4-16	3.06	1.66	1.75	7/8	ZW74708
13/32	5/8	75708E-Z51	7/8-14	3.09	1.69	1.88	1-1/16	ZW74710
1/2	5/8	75710E-Z51	7/8-14	3.09	1.69	1.88	1-1/16	ZW74710
1/2	3/4	75710E-Z53	1-1/16-14	3.21	1.81	2.00	1-1/4	ZW74712
5/8	5/8	75712E-Z51	7/8-14	3.31	1.81	2.00	1-1/16	ZW74710
5/8	3/4	75712E-Z53	1-1/16-14	3.31	1.81	2.00	1-1/4	ZW74712

(Includes O-ring).

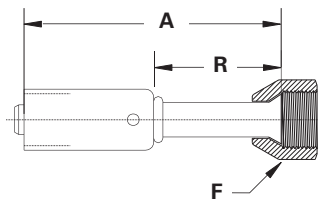
Bumped tube O-Ring Female swivel W/R134a Service port



Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Hose cut-off factor	Hex F	O-Ring
5/16	3/8	75706E-Z57*	5/8-18	4.28	1.88	3.00	3/4	ZW74706
13/32	1/2	75708E-Z59*	3/4-16	4.28	1.88	3.00	7/8	ZW74708
1/2	5/8	75710E-Z61**	7/8-14	4.52	2.12	3.25	1-1/16	ZW74710
5/8	5/8	75712E-Z61**	7/8-14	4.62	3.05	3.25	1-1/16	ZW74710

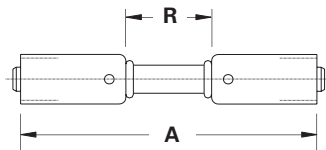
*High side port
 **Low side port
 (Includes O-ring)

SAE 45° flare female swivel



Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Hose cut-off factor	Hex F
5/16	3/8	75706E-406	5/8-18	2.78	1.38	1.50	3/4
5/16	1/2	75706E-408	3/4-16	2.90	1.50	1.75	7/8
13/32	1/2	75708E-408	3/4-16	2.84	1.44	1.56	7/8
1/2	5/8	75710E-410	7/8-14	3.09	1.69	1.81	1-1/16
5/8	5/8	75712E-410	7/8-14	3.25	1.75	2.00	1-1/16
5/8	3/4	75712E-412	1-1/16-14	3.25	1.75	2.00	1-1/4

Hose splicer



Hose I.D.	Hose I.D.	Part number	Length A	Run R	Hose cut-off factor
5/16	5/16	75706E-Y36	4.30	1.50	1.50
5/16	13/32	75706E-Y38	4.30	1.50	1.50
13/32	13/32	75708E-Y38	4.30	1.50	1.50
13/32	1/2	75708E-Y40	4.43	1.63	1.63
1/2	1/2	75710E-Y40	4.43	1.63	1.63
1/2	5/8	75710E-Y41	4.65	1.75	1.75
5/8	5/8	75712E-Y41	4.75	1.75	1.75

Crimp fittings

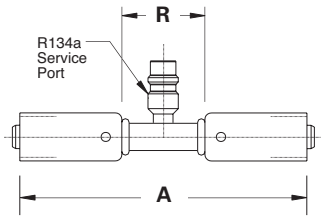
757 'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly. All dimensions shown in inches.

H

757 'E' series

Hose Splicer w/R134a service port

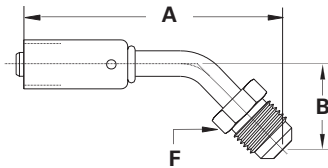


Hose I.D.	Hose I.D.	Part number	Length A	Run R	Hose cut-off factor
5/16	5/16	75706E-Y47*	5.42	2.62	1.50
13/32	13/32	75708E-Y48*	5.42	2.62	1.50
1/2	1/2	75710E-Y49**	5.42	2.62	1.63
5/8	5/8	75712E-Y50**	5.62	2.62	1.75

(For crimping information refer to document W-HOOV-TM001-E2.)

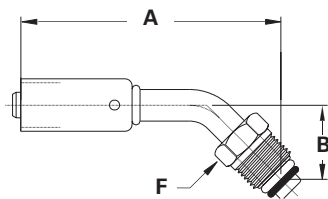
*High side port
**Low side port

SAE 45° Flare male rigid 45° tube elbow



Hose I.D.	Tube size	Part number	Thread size	Length A	Drop B	Hose cut-off factor	Hex F
13/32	1/2	75708E-388	3/4-16	3.65	1.25	2.50	3/4
1/2	5/8	75710E-390	7/8-14	4.21	1.56	3.00	7/8

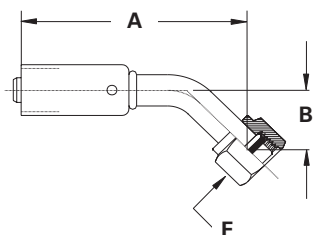
Bumped tube O-Ring Male swivel 45° tube elbow



Hose I.D.	Tube size	Part number	Thread size	Length A	Run B	Hose cut-off factor	Hex F	O-Ring
5/16	3/8	75706E-Z26	5/8-18	3.09	0.88	1.88	5/8	ZW74706
13/32	1/2	75708E-Z28	3/4-18	3.59	1.03	2.38	3/4	ZW74708
1/2	5/8	75710E-Z30	7/8-18	3.71	1.06	2.50	7/8	ZW74710
5/8	5/8	75712E-Z30	7/8-18	4.19	1.19	2.88	7/8	ZW74710
5/8	3/4	75712E-Z32	1-1/16-16	4.19	1.19	2.88	1-1/16	ZW74712

(Includes O-ring).

Bumped tube O-Ring Female swivel 45° tube elbow



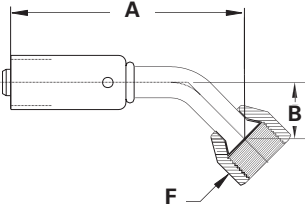
Hose I.D.	Tube size	Part number	Thread size	Length A	Run B	Hose cut-off factor	Hex F	O-Ring
5/16	3/8	75706E-W47	5/8-18	3.51	0.68	2.25	3/4	ZW74706
13/32	1/2	75708E-W49	3/4-16	3.63	1.05	2.25	7/8	ZW74708
1/2	5/8	75710E-W51	7/8-14	3.65	1.19	2.50	1-1/16	ZW74710
5/8	5/8	75712E-W51	7/8-14	4.00	1.29	2.75	1-1/16	ZW74710
5/8	3/4	75712E-W53	1-1/16-14	3.84	0.94	2.50	1-1/4	ZW74712

(Includes O-ring).

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly. All dimensions shown in inches.

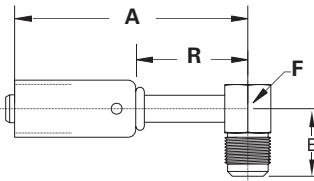
757 'E' series

SAE 45° Flare Female swivel 45° tube elbow



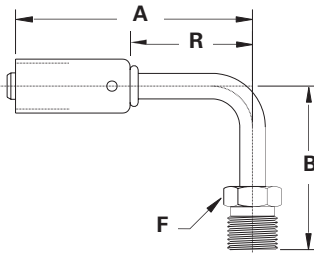
Hose I.D.	Tube size	Part number	Thread size	Length A	Drop B	Hose cut-off factor	Hex F
5/16	3/8	75706E-486	5/8-18	3.42	.55	2.00	3/4
13/32	1/2	75708E-488	3/4-16	3.72	.58	2.50	7/8
1/2	5/8	75710E-490	7/8-14	4.34	.72	3.00	1-1/16
5/8	5/8	75712E-490	7/8-14	5.00	1.00	3.50	1-1/16
5/8	3/4	75712E-492	1-1/16-14	4.44	.72	3.00	1-1/4

SAE 45° Male rigid 90° elbow



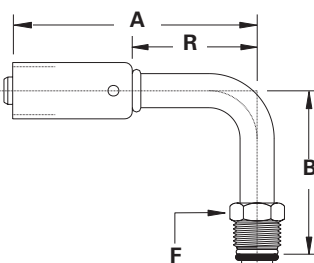
Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Drop B	Hose cut-off factor	Hex square F
5/16	3/8	75706E-X06	5/8-18	4.07	2.67	.91	3.00	5/8
13/32	1/2	75708E-X08	3/4-16	4.14	2.74	1.47	3.00	7/8
1/2	5/8	75710E-X10	7/8-14	4.25	2.85	1.47	3.00	7/8
5/8	3/4	75712E-X12	1-1/16-14	4.45	2.95	1.56	3.00	1-1/16

Bumped tube O-Ring Male rigid 90° tube elbow



Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Drop B	Hose cut-off factor	Hex F
5/16	3/8	75706E-W66	5/8-18	4.00	2.60	1.53	2.75	5/8
13/32	1/2	75708E-W68	3/4-16	4.07	2.67	2.12	2.75	3/4
1/2	5/8	75710E-W70	7/8-14	4.15	2.75	2.21	2.88	7/8

Bumped tube O-Ring Male swivel 90° tube elbow



Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Drop B	Hose cut-off factor	Hex F	O-Ring
5/16	3/8	75706E-Z66	5/8-18	4.00	2.60	1.53	2.75	5/8	ZW74706
5/16	1/2	75706E-Z68	3/4-18	4.07	2.67	1.53	2.75	3/4	ZW74708
13/32	3/8	75708E-Z66	5/8-18	4.00	2.60	1.77	2.75	5/8	ZW74706
13/32	1/2	75708E-Z68	3/4-18	4.07	2.67	2.12	2.75	3/4	ZW74708
1/2	5/8	75710E-Z70	7/8-18	4.15	2.75	2.21	2.88	7/8	ZW74710
1/2	3/4	75710E-Z72	1-1/16-16	4.25	2.85	2.35	3.00	1-1/16	ZW74712
5/8	5/8	75712E-Z70	7/8-18	4.24	2.74	2.25	2.88	7/8	ZW74710
5/8	3/4	75712E-Z72	1-1/16-16	4.35	2.85	2.87	3.00	1-1/16	ZW74712

(Includes O-ring).

Crimp fittings

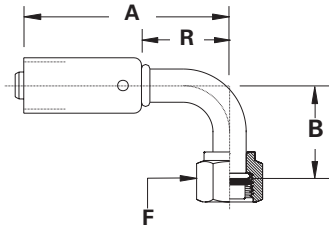
757 'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly. All dimensions shown in inches.

H

757 'E' series

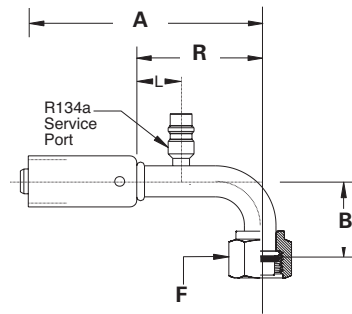
Bumped tube O-Ring Female swivel 90° tube elbow



Hose I.D.	Tube size	Part number	Thread size	Length A	Run R	Drop B	Hose cut-off factor	Hex F	O-Ring
5/16	3/8	75706E-Z87	5/8-18	4.07	2.67	1.12	2.75	3/4	ZW74706
5/16	1/2	75706E-Z89	3/4-16	4.14	2.74	1.31	2.88	7/8	ZW74708
13/32	3/8	75708E-Z87	5/8-18	4.07	2.67	1.31	2.75	3/4	ZW74706
13/32	1/2	75708E-Z89	3/4-16	4.14	2.74	1.50	2.88	7/8	ZW74708
1/2	5/8	75710E-Z91	7/8-14	4.25	2.85	1.75	3.00	1-1/16	ZW74710
5/8	5/8	75712E-Z91	7/8-14	4.35	2.85	1.75	3.00	1-1/16	ZW74710
5/8	3/4	75712E-Z93	1-1/16-14	4.45	2.95	1.75	3.13	1-1/4	ZW74712

(Includes O-Ring)

Bumped tube O-Ring Female swivel 90° tube elbow w/R134a service port



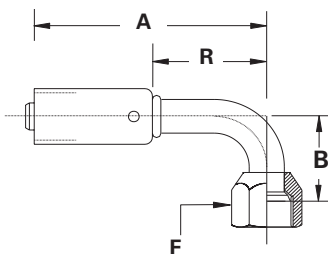
Hose I.D.	Tube Size	Part number	A	Thread Size	Run R	Drop B	Hose cut-off factor	Hex F	Length L	O-Ring
5/16	3/8	75706E-Z97*	2.52	5/8-18	2.12	1.12	2.75	3/4	1.50	ZW74706
13/32	1/2	75708E-Z99*	4.15	3/4-16	2.75	1.68	2.88	7/8	1.50	ZW74708
1/2	5/8	75710E-Z01**	3.78	7/8-14	2.38	1.50	3.00	1-1/16	1.50	ZW74710
5/8	5/8	75712E-Z01**	4.61	7/8-14	3.11	1.95	3.00	1-1/16	1.50	ZW74710

(Includes O-ring).

*High side port

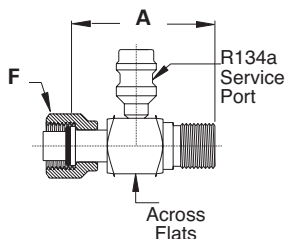
**Low side port

SAE 45° Flare Female swivel 90° tube elbow



Hose I.D.	Tube Size	Part number	A	Thread Size	Run R	Drop B	Hose cut-off factor	Hex F
5/16	3/8	75706E-466	4.07	5/8-18	2.67	1.12	2.75	3/4
13/32	1/2	75708E-468	4.14	3/4-16	2.74	1.31	2.88	7/8
1/2	5/8	75710E-470	4.25	7/8-14	2.85	1.56	3.00	1-1/16
5/8	5/8	75712E-470	4.35	7/8-14	2.85	1.50	3.00	1-1/16
5/8	3/4	75712E-472	4.45	1-1/16-14	2.95	1.75	3.13	1-1/4

Bumped tube O-Ring service port adapter w/R134a service port



Tube A	Part number	Thread Size	Length A	Across Flats	Hex F	O-Ring
3/8	75701*	5/8-18	2.02	5/81	3/4	ZW74706
1/2	75702*	3/4-16	2.22	7/8	7/8	ZW74708
5/8	75704**	7/8-14	2.63	7/8	1-1/16	ZW74710
3/4	75706**	1-1/16-14	2.89	1-1/16	1-1/4	ZW74712

(Includes O-ring).

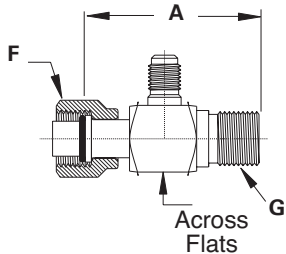
*High side port

**Low side port

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly. All dimensions shown in inches.

757 'E' series

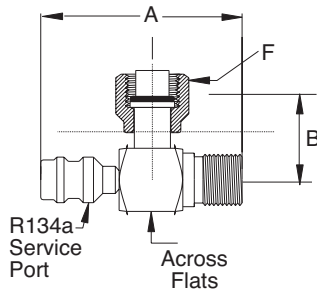
Bumped tube O-Ring service port adapter w/R12 service port



Tube Size	Part number	Thread size G	Length A	Across flats	Hex F	Service port thread	O-Ring
3/8	R12-Z56*	5/8-18	2.02	5/81	3/4	3/8-24	ZW74706
1/2	R12-Z58*	3/4-16	2.22	7/8	7/8	3/8-24	ZW74708
5/8	R12-Z60**	7/8-14	2.63	7/8	1-1/16	3/8-24	ZW74710
3/4	R12-Z62**	1-1/16-14	2.89	1-1/16	1-1/4	7/16-20	ZW74712

(Includes O-ring).
*High side port
**Low side port

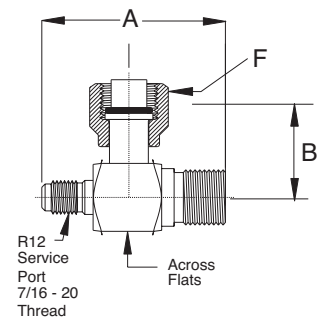
90° Bumped tube O-Ring R134a service port adapter



Tube Size	Part number	Thread size G	Length A	Drop B	Across flats	Hex F	O-Ring
3/8	75729*	5/8-18	2.40	1.05	5/8	3/4	ZW74706
1/2	75730*	3/4-16	2.60	1.15	7/8	7/8	ZW74708
5/8	75731**	7/8-14	2.74	1.30	7/8	1-1/16	ZW74710
3/4	75732**	1-1/16-14	3.10	1.39	1-1/16	1-1/4	ZW74712

(Includes O-ring).
*High side port
**Low side port

90° Bumped tube O-Ring R12 service port adapter



Tube Size	Part number	Thread size G	Length A	Drop B	Across flats	Hex F	O-Ring
3/8	R12-Z96*	5/8-18	2.07	1.05	5/8	3/4	ZW74706
1/2	R12-Z97*	3/4-16	2.27	1.15	7/8	7/8	ZW74708
5/8	R12-Z98**	7/8-14	2.41	1.30	7/8	1-1/16	ZW74710
3/4	R12-Z99**	1-1/16-16	2.77	1.39	1-1/16	1-1/4	ZW74712

(Includes O-ring).
*High side port
**Low side port

Replacement O-Rings



Tube O.D.	Part number
3/8	ZW74706
1/2	ZW74708
5/8	ZW74710
3/4	ZW74712

Material: Hydrogenated Nitrile (HNBR), 70 Durometer

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

Color: Green

Crimp fittings

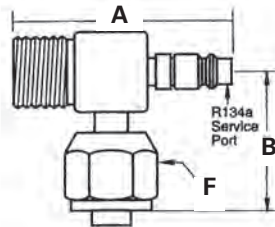
757 'E' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of the assembly. All dimensions shown in inches.

H

757 'E' series

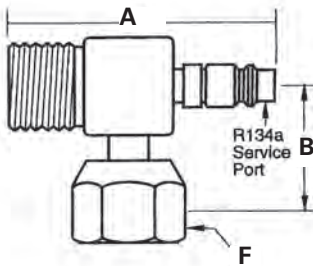
Tube-O to Male bumped tube O-Ring 90° elbow with R134a service



Tube Size	Part number	Length A	Drop B	Tube-O Thread F
1/2	75750*	2.64	1.15	3/4-16
5/8	75751**	2.78	1.29	7/8-14

* High-side
** Low-side

Rotalok to Male bumped tube O-Ring 90° elbow with R134a service

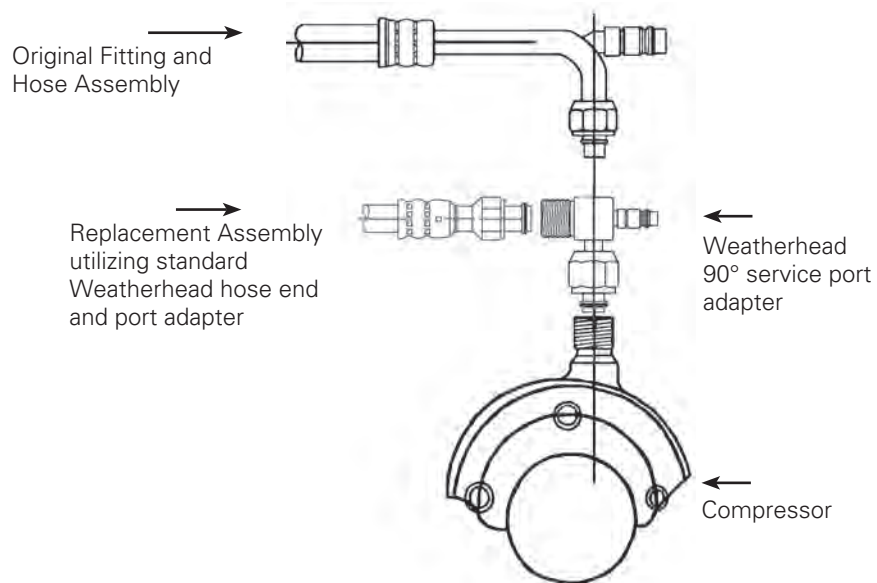


Tube Size	Part number	Length A	Drop B	Rotalok Thread F
1/2	75760*	2.64	1.15	1-14
5/8	75761**	2.78	1.29	1-14

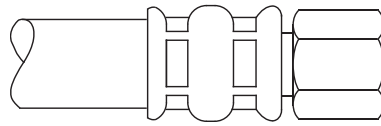
* High-side
** Low-side

Service instructions for replacement of damaged O.E. hose assemblies


Weatherhead service port adapters offer an alternative to the high cost of replacement and time out of service which can occur when an air conditioning assembly is damaged. By using the Weatherhead adapter, service personnel can remove the damaged end and replace it with a standard Weatherhead 757 'E' series hose end used in conjunction with a Weatherhead service port adapter. This is a welcome solution to get your customer back on the road without special orders and long delays.



057 'P' series



Ordering information: Order individually by part number.

 Refer to important safety information on page A-2.

Compatible hose: H429

Pressure: Determined by hose burst pressure. See pages A-24-25 for operating pressure ratings for hose end configurations.

Material: CA 360 Brass

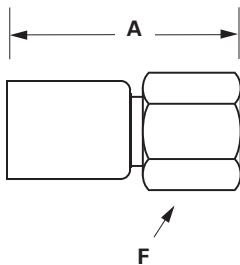
Assemble with: T-400-1, T-410-1, T-420-1, T-440-1, T-460, T-462, T-465-1, T-480, ET4000, ET4001

Application: High pressure truck hose for use in transmission oil cooler lines, fuel lines and diesel fuel lines.

Advantages: For use with hot oil and high temperature petroleum oils.

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

SAE 45° female swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hose dia.	Hex F
1/2	1/2	05708P-408	7/8-14	1.96	.99	.34	7/8
5/8	5/8	05710P-410	3/4-16	2.08	1.10	.44	1
3/4	3/4	05712P-412	1-1/16 - 14	2.05	1.12	.56	1-1/4

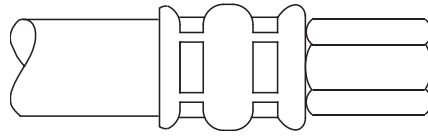
WARNING: California Proposition 65, see page A-2.

Crimp fittings

229 'P' series

H

229 'P' series



Ordering Information: Order individually by catalog number.

Refer to important safety information on page A-2.

Compatible Hose: H059, H229, H239

Pressure: Determined by maximum operating pressure for hose size. See pages A-24-25 for operating pressure ratings for hose end configurations.

Material: CA360 Brass

Assemble With: T-400-1, T-410-1, T-420-1, T-440-1, T-460, T-462, T-465-1, T-480, ET4000, ET4001

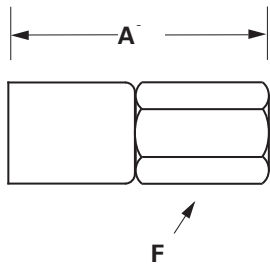
Note: Refer to current price list for availability of cataloged items. Configurations and dimensions subject to change without notice.

Application: Medium pressure air, fuel, grease, oil, truck and power steering lines.

Advantages: A permanent hose end saves time and is easy to assemble. Brass material offers excellent resistance against corrosion.

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

SAE 45° Flare female swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hose DIA.	Hex F
3/16	1/4	22904P-404	7/16-20	1.69	.75	.13	9/16
5/16	3/8	22906P-406	5/8-18	1.80	.81	.25	3/4
13/32	1/2	22908P-408	3/4-16	1.96	1.00	.34	7/8
1/2	5/8	22910P-410	7/8-14	2.08	1.12	.44	1

Note: Collar is not attached to insert.

WARNING: California Proposition 65, see page A-2.

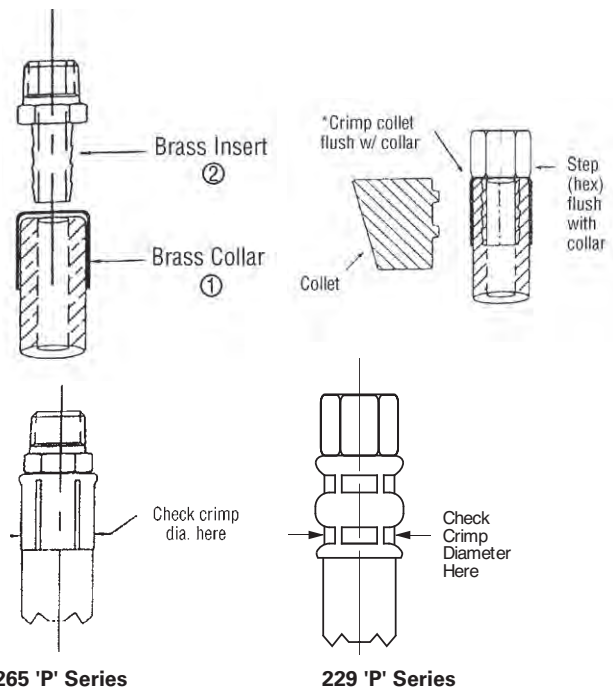
Componentry for 229 'P' series and 265 'P' series hose ends

1. Brass collar.
2. Brass insert.
Female SAE 45° Swivel (229 'P'), Male Pipe or Female Pipe (265 'P').

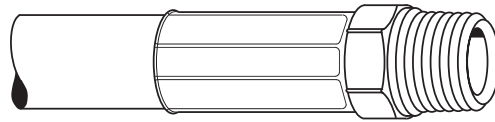
Assembly Instructions for 229 'P' series and 265 'P' series hose ends

1. Push collar onto hose until bottomed.
2. Push insert into hose until step on insert (or hex) is flush with collar.


3. Check for bottoming by checking collar movement along insert. Hose is bottomed when collar cannot slide along insert.
4. Position top of collar so that it is flush with the top of the collet. Follow recommended crimp operating procedures found in the crimp machine operator's manual.



265 'P' series



Ordering Information: Order individually by catalog number. To order replacement collar only, use base number followed by "COO" suffix. (Example: 26504P-COO)

 Refer to important safety information on page A-2.

Compatible hose:
H275, H285

Pressure: Determined by maximum operating pressure for hose size.

Material: CA360 Brass

Assemble with: T-400-1, T-410-1, T-420-1, T-440-1, T-460, T-462, T-465-1, T-480, ET4000, ET4001

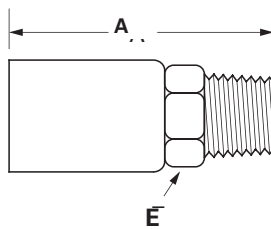
Note:
For assembly instructions see page H-22.

Application: General purpose low-pressure air and water lines.

Advantages: One piece construction, easy to assemble, corrosion resistant.

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Male pipe rigid

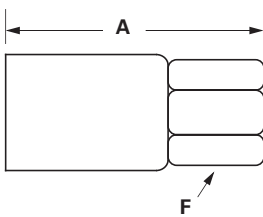


WARNING: California Proposition 65, see page A-2.

Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E
1/4	1/8	26504P-102	1/8-27	1.56	.56	.18	7/16
1/4	1/4	26504P-104	1/4-18	1.63	.63	.18	9/16
1/4	3/8	26504P-106	3/8-18	1.75	.75	.18	11/16
3/8	1/8	26506P-102	1/8-27	1.56	.56	.25	7/16
3/8	1/4	26506P-104	1/4-18	1.75	.75	.31	9/16
3/8	3/8	26506P-106	3/8-18	1.74	.75	.28	11/16
3/8	1/2	26506P-108	1/2-14	1.94	1.00	.28	7/8
1/2	1/4	26508P-104	1/4-18	1.73	.75	.37	9/16
1/2	3/8	26508P-106	3/8-18	1.71	.75	.37	11/16
1/2	1/2	26508P-108	1/2-14	1.94	1.00	.37	7/8
1/2	3/4	26508P-112	3/4-18	1.94	1.00	.37	1-1/8
3/4	1/2	26512P-108	1/2-14	1.94	1.00	.37	1-1/8
3/4	3/4	26512P-112	3/4-14	1.92	1.00	.56	1-1/8

Note: Collar is not attached to insert.

Female pipe rigid



WARNING: California Proposition 65, see page A-2.

Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex F
1/4	1/8	26504P-202	1/8-27	1.49	.50	.18	9/16
1/4	1/4	26504P-204	1/4-18	1.60	.63	.18	11/16
3/8	1/8	26506P-202	1/8-27	1.49	.50	.28	9/16
3/8	1/4	26506P-204	1/4-18	1.60	.63	.28	11/16
3/8	3/8	26506P-206	3/8-18	1.66	.69	.28	13/16
1/2	1/4	26508P-204	1/4-18	1.57	.63	.37	11/16
1/2	3/8	26508P-206	3/8-18	1.63	.69	.37	13/16
1/2	1/2	26508P-208	1/2-14	1.85	.88	.37	1

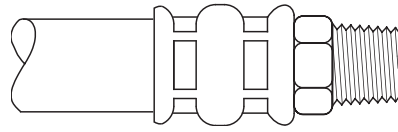
Note: Collar is not attached to insert.

Crimp fittings


338 'P' series

H

338 'P' series



Ordering Information: Order individually by part number.

 Refer to important safety information on page A-2.

Compatible hose: EC038

Pressure: Determined by hose burst pressure. See pages A-24-25 for operating pressure ratings for hose end configurations.

Material: CA360 Brass

Assemble with: T-400-1, T-410-1, T-420-1, T-440-1, T-460, T-462, T-465, T-480, and ET4000, ET4001, ET1187, FT1380

Label set: FS-2900

Application: Air brake hose lines

Advantages: A permanent hose end saves time and is easy to assemble. Brass material offers excellent resistance against corrosion.

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Componentry

1. Brass collar
2. Brass insert. Male pipe or brass swivel insert with brass SAE nut.
3. Brass A.B.S. insert with steel A.B.S. swivel nut.

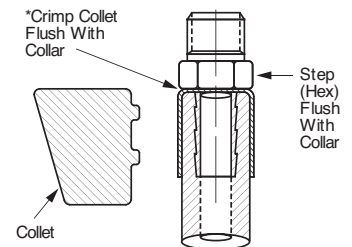
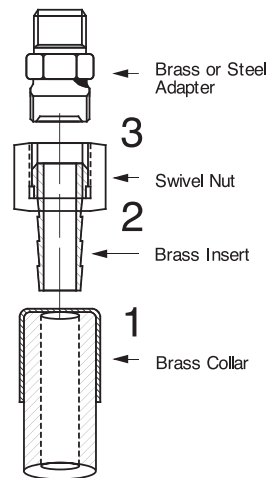
Assembly Instructions

1. Push collar onto hose until bottomed.
2. Push insert into hose until step on insert (or hex) is flush with collar.

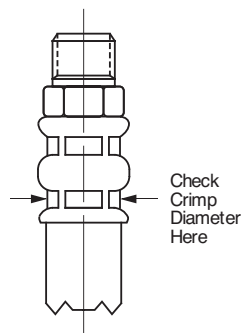
Note:

Swivel fittings require the use of a mandrel or an assembled adapter to push on the insert for assembly. Adapter can be removed after fitting assembly. Light lubricant may be required to assemble fitting into hose.

3. Check for bottoming by checking collar movement along insert. Hose is bottomed when collar cannot slide along insert.
4. Depending on Coll-O-Crimp system, follow recommended operating procedures.



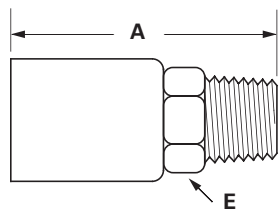
* Brass Collar is Positioned Flush With Top Collet.



To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

338 'P' series

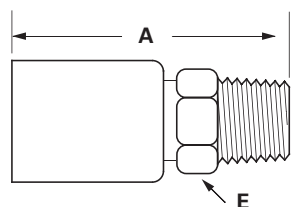
Male pipe rigid



Hose I.D.	Part size	Catalog number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E
3/8	1/4	33806P-104	1/4-18	1.71	.75	.28	9/16
3/8	3/8	33806P-106	3/8-18	1.72	.81	.28	11/16
3/8	1/2	33806P-108	1/2-14	1.95	1.00	.28	7/8
1/2	3/8	33808P-106	3/8-18	1.73	.81	.38	11/16
1/2	1/2	33808P-108	1/2-14	1.94	1.00	.38	7/8

WARNING: California Proposition 65, see page A-2.

Male pipe swivel

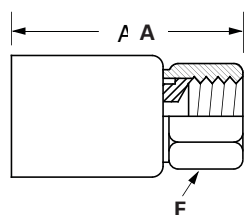


Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E
3/8	3/8	33806P-J06	3/8-18	1.66	.81	.28	11/16

Note: Swivel for installation purposes only.

WARNING: California Proposition 65, see page A-2.

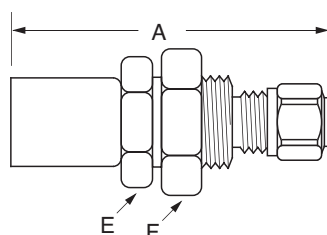
SAE 45° female swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex F
3/8	3/8	33806P-406	5/8-18	1.31	1.00	.28	3/4
1/2	1/2	33808P-408	3/4-16	1.36	1.00	.38	7/8

WARNING: California Proposition 65, see page A-2.

Air brake slider line



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
3/8	3/8	33806P-Y66	17/32-24	2.41	1.00	.28	1-1/16	1-1/8
3/8	1/2	33806P-Y68	11/16-20	2.51	1.00	.28	1-1/16	1-1/8
1/2	1/2	33808P-Y68	11/16-20	2.69	1.28	.41	7/8	13/16

WARNING: California Proposition 65, see page A-2.

Crimp fittings

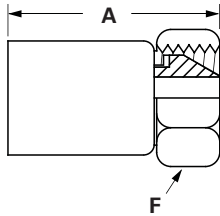
338 'P' series

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

338 'P' series

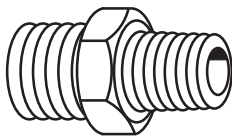
Air brake swivel



Hose I.D.	ABS size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex F
3/8	3/8	33806P-Y76	3/4-20	1.38	1.00	.28	7/8
1/2	3/8	33808P-Y76	3/4-20	1.38	1.00	.28	7/8
1/2	1/2	33808P-Y78	7/8-20	1.44	1.00	.38	1

WARNING: California Proposition 65, see page A-2.

Adapter



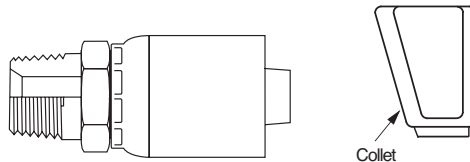
ABS Thread Size	Pipe size	Part number	Overall length	ABS Thread size
3/8	1/4	1390x6	1.18	3/4-20
3/8	3/8	1390x6x6	1.18	3/4-20
3/8	1/2	1390x6x8	1.37	3/4-20
1/2	3/8	1390x8	1.18	7/8-20
1/2	1/2	1390x8x8	1.37	7/8-20

WARNING: California Proposition 65, see page A-2.

'Z' series

The next generation technology of Eaton's 'Z' Series hose ends are compatible with the most Weatherhead standard and newer generation hose styles combining best-in-class technologies to meet and exceed the highest globally recognized standards for 1 and 2 wire braid hydraulic hose assemblies.

The total array of over 550 'Z' Series hose ends meets virtually all customer needs for domestic and non-North American thread styles and configurations. The resulting hose assemblies provide superior performance in the demanding applications often encountered within mobile and industrial equipment.



Ordering information:

Order individually by catalog number. O-rings not supplied with flange hose ends. Order O-rings by catalog number; reference individual listings for details. For split flange kits refer to pages J-110-112 and for O-rings refer to pages J-112-113.

Note: Refer to current price list for availability of cataloged items. Configurations and dimensions subject to change without notice.

Pressure: Determined by maximum working pressure for hose size and hose end configuration whichever is less. For working pressure ratings for hose end configurations, refer to pages A-24-25.

Material: low carbon steel

Plating: trivalent zinc plated

Assemble with:
T-400-1, T-410-1, T-420-1, T-440, T-460, T-462, T-465, T-480, ET1000, ET1187, ET4000, ET4001, FT1380, FT1390, ET4020 and ET4040.

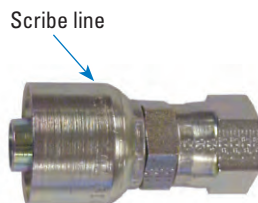
Label set: FF90645

Application: General purpose low, medium, and high pressure hydraulic.

Advantages:

Wide selection of hose and end configurations allowing a diverse number of applications.

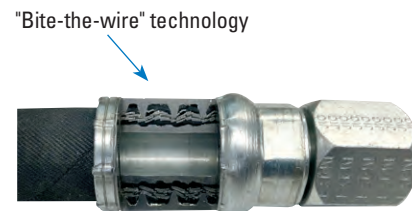
To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.



Easy assembly

Z Series hose ends are assembled with Weatherhead hose using existing positive stop and variable crimp machines.

The hose ends have a scribe line around the circumference of the socket to easily identify the location where the collets and variable crimp dies are positioned for crimping.



Higher operating and burst pressure

Z Series hose ends feature advanced "Bite-the-wire" technology:

- Advanced "Bite-the-wire" design provides higher operating and burst pressure
- Eliminates cool down leakage
- Flat crimp for easier routing
- Compatible with multiple hose styles to accommodate most application needs

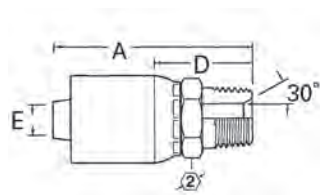
Crimp fittings

'Z' series

	Part number example	Page number
Male Pipe Rigid	08Z-108	H-31
Male Pipe Swivel	08Z-J08	H-31
Female Pipe Rigid	08Z-208	H-32
Female Pipe Swivel	08Z-258	H-32
Female Straight Pipe Swivel (NPSM)	08Z-058	H-32
Male Pipe Swivel 90° Elbow	08Z-M08	H-33
JIC/37° Female Swivel	08Z-608	H-33
JIC/37° Female Swivel 30° Tube Elbow	10Z-L22	H-34
JIC/37° Female Swivel 45° Tube Elbow	08Z-688	H-34
JIC/37° Female Swivel 90° Tube Elbow	08Z-668	H-35
JIC/37° Female Swivel 90° Long Drop Tube Elbow	08Z-648	H-35
JIC/37° Male Rigid	08Z-508	H-36
SAE 45° Female Swivel	08Z-408	H-36
SAE 45° Female Swivel 45° Tube Elbow	06Z-486	H-36
SAE 45° Female Swivel Long Drop 90° Tube Elbow	06Z-446	H-37
SAE 45° Flare Male Rigid	06Z-306	H-37
Female ORS Swivel	08Z-S68	H-37
Female ORS Swivel 45° Tube Elbow	08Z-L68	H-38
Female ORS Swivel Short Drop 90° Tube Elbow	08Z-A28	H-38
Female ORS Swivel Medium Drop 90° Tube Elbow	08Z-J38	H-39
Female ORS Swivel Long Drop 90° Tube Elbow	08Z-A68	H-39
ORS Male Rigid	08Z-E68	H-40
Male Straight Thread O-ring Rigid	08Z-P08	H-40
Male Straight Thread O-ring Swivel	08Z-R08	H-41
Male Straight Thread O-ring Swivel 90° Elbow	08Z-R68	H-41
Flareless Tube Rigid Ermeto 7000 Series	08Z-758	H-41
Flareless 45° Tube Elbow 7000 Ermeto Series	06Z-956	H-42
Flareless 90° Tube Elbow 7000 Ermeto Series	06Z-976	H-42
Inverted Male Swivel Straight	08Z-B08	H-42
Inverted Male Swivel 45° Tube Elbow	08Z-B48	H-43
Inverted Male Swivel 90° Tube Elbow	08Z-B68	H-43
Split Flange Straight (SAE Code 61)	12Z-G12	H-43
Split Flange 22.5° Tube Elbow (SAE Code 61)	16Z-H03	H-44
Split Flange 45° Tube Elbow (SAE Code 61)	12Z-G42	H-44
Split Flange 60° Tube Elbow (SAE Code 61)	16Z-H53	H-45
Split Flange 67° tube elbow (SAE Code 61)	20Z-H60	H-45
Split Flange 90° Tube Elbow (SAE Code 61)	12Z-G72	H-45
Metric Split Flange Straight (Komatsu, Linkbelt, etc.)	10Z-G09	H-46
Metric Split Flange 45° Tube Elbow (Komatsu, Linkbelt, etc.)	10Z-G69	H-46
Metric Split Flange 90° Tube Elbow (Komatsu, Linkbelt, etc.)	10Z-G99	H-46
READY-LOK® Male Connector	08Z-08S	H-47
Standpipe Straight Tube	08Z-T08	H-47
Metric Standpipe Straight Tube	08Z-45T	H-47
Pressure Washer Connection	06Z-6PW	H-48
BSPP Flat Face Female Swivel	08Z-08PA	H-48
British Standard (BSPP) 60° Cone Female Swivel Straight	08Z-358	H-48
British Standard (BSPP) 60° Cone Female 45° Tube Elbow	08Z-48P	H-49
British Standard (BSPP) 60° Cone Female 90° Tube Elbow	08Z-78P	H-49
British Standard (BSPT) Tapered Male Rigid	08Z-158	H-49
British Standard (BSPP) 60° Cone Male Rigid	08Z-P58	H-50
Female JIS 30° Flare Swivel Straight	08Z-08L	H-50
Female Swivel 30° Flare (Komatsu, Linkbelt)	08Z-22K	H-50
Female Swivel DIN 24° Seat I.Rh DKO (Light)	08Z-15C	H-51
Female Swivel DIN Universal Seat 45° Tube Elbow (Light)	08Z-15D	H-51
Female Swivel DIN Universal Seat 90° Tube Elbow (Light)	08Z-65D	H-51
Male DIN 24° Seat I.Rh (Light)	08Z-15A	H-52
Female Swivel DIN 24° Seat s.Rh DKO (Heavy)	08Z-64C	H-52
Female Swivel DIN 24° Seat 45° Tube Elbow s.Rh (Heavy)	08Z-16E	H-52
Female Swivel DIN 24° Seat 90° Tube Elbow s.Rh DKO (Heavy)	08Z-66E	H-53
Male DIN 24° Seat s.Rh (Heavy)	08Z-16F	H-53
STC Male Straight	08Z-BC08	H-54
STC Male 45° Tube Elbow	08Z-BC48	H-54
STC Male 90° Tube Elbow	08Z-BC68	H-54
STC Male 90° Long Drop Tube Elbow	08Z-BC88	H-54

'Z' series

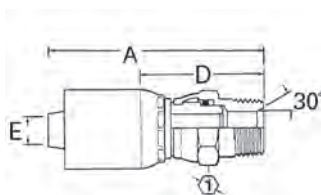
Male pipe rigid



* Stainless Steel

Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		② in
			mm	in	mm	in	mm	in	
04Z-102	1/8-27	-04	46,7	1.84	23,4	0.92	4,3	0.17	9/16
04Z-104	1/4-18	-04	52,3	2.06	29,0	1.14	4,3	0.17	9/16
04ZR-104*	1/4-18	-04	52,3	2.06	29,0	1.14	4,3	0.17	9/16
04Z-106	3/8-18	-04	48,3	1.90	24,9	0.98	4,3	0.17	11/16
04Z-108	1/2-14	-04	51,3	2.02	31,2	1.23	4,3	0.17	7/8
06Z-104	1/4-18	-06	55,4	2.18	30,0	1.18	6,6	0.26	11/16
06Z-106	3/8-18	-06	57,7	2.27	32,5	1.28	6,6	0.26	11/16
06ZR-106*	3/8-18	-06	57,7	2.27	32,5	1.28	6,6	0.26	11/16
06Z-108	1/2-14	-06	57,7	2.27	32,5	1.28	4,1	0.16	7/8
08Z-104	1/4-18	-08	61,0	2.40	31,2	1.23	7,6	0.30	13/16
08Z-106	3/8-18	-08	63,2	2.49	33,5	1.32	9,7	0.38	13/16
08Z-108	1/2-14	-08	69,6	2.74	39,6	1.56	9,7	0.38	7/8
08ZR-108*	1/2-14	-08	69,6	2.74	39,6	1.56	9,7	0.38	7/8
08Z-112	3/4-14	-08	65,0	2.56	35,3	1.39	9,7	0.38	11/16
10Z-106	3/8-18	-10	59,9	2.36	33,8	1.33	10,7	0.42	15/16
10Z-108	1/2-14	-10	69,6	2.74	40,1	1.58	12,7	0.50	15/16
10Z-112	3/4-14	-10	65,0	2.56	35,6	1.40	12,7	0.50	11/16
12Z-108	1/2-14	-12	70,6	2.78	40,6	1.60	14,2	0.56	11/8
12Z-112	3/4-14	-12	72,1	2.84	41,9	1.65	15,5	0.61	11/8
12ZR-112*	3/4-14	-12	72,1	2.84	41,9	1.65	15,5	0.61	11/8
12Z-116	1-11/2	-12	71,1	2.80	40,9	1.61	15,5	0.61	13/8
16Z-112	3/4-14	-16	76,7	3.02	42,4	1.67	19,3	0.76	13/8
16Z-116	1-11/2	-16	81,8	3.22	47,2	1.86	20,8	0.82	13/8
16ZR-116*	1-11/2	-16	81,8	3.22	47,2	1.86	20,8	0.82	13/8
16Z-120	11/4-111/2	-16	78,2	3.08	43,7	1.72	20,8	0.82	111/16
20Z-116	1-11/2	-20	93,0	3.66	49,0	1.93	24,1	0.95	13/4
20Z-120	11/4-111/2	-20	89,4	3.52	45,5	1.79	26,7	1.05	113/16
24Z-124	11/2-111/2	-24	106,2	4.18	59,9	2.36	32,0	1.26	2
32Z-132	2-111/2	-32	116,6	4.59	66,3	2.61	44,5	1.75	21/2

Male pipe swivel



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		① in
			mm	in	mm	in	mm	in	
04Z-J04	1/4-18	-04	64,5	2.54	41,4	1.62	4,3	0.17	3/4
06Z-J04	1/4-18	-06	63,5	2.54	42,4	1.67	6,6	0.26	3/4
06Z-J06	3/8-18	-06	67,6	2.66	42,4	1.67	6,6	0.26	7/8
06Z-J08	1/2-14	-06	72,4	2.85	47,0	1.85	6,6	0.26	7/8
08Z-J06	3/8-18	-08	73,2	2.88	43,4	1.71	9,7	0.38	7/8
08Z-J08	1/2-14	-08	79,5	3.13	49,8	1.96	9,7	0.38	15/16
12Z-J12	3/4-14	-12	82,3	3.24	52,1	2.05	15,5	0.61	13/8
16Z-J16	1-11/2	-16	98,6	3.88	64,3	2.53	20,6	0.81	11/2

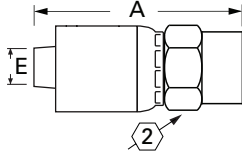
Crimp fittings

'Z' series

H

'Z' series

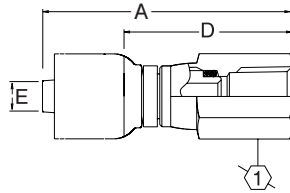
Female pipe rigid



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor		EØ		2
			mm	in	mm	in	mm	in	
04Z-202	1/8-27	-04	52,6	2.07	32,5	1.28	4,3	0.17	9/16
04Z-204	1/4-18	-04	58,4	2.30	38,4	1.51	4,3	0.17	3/4
06Z-204	1/4-18	-06	58,4	2.30	37,1	1.46	6,6	0.26	3/4
06Z-206	3/8-18	-06	61,2	2.41	39,9	1.57	6,6	0.26	7/8
08Z-208	1/2-14	-08	66,5	2.62	42,0	1.65	9,7	0.38	1 1/16
12Z-212	3/4-14	-12	90,9	3.58	64,0	2.52	15,5	0.61	1 5/16

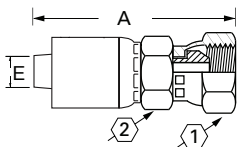
* G as part of thread size is ISO Designation for parallel thread.

Female pipe swivel



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		1
			mm	in	mm	in	mm	in	
04Z-254	1/4-18	-04	72,9	2.87	49,5	1.95	4,3	0.17	3/4
06Z-256	3/8-18	-06	75,4	2.97	50,0	1.97	6,6	0.26	7/8
08Z-258	1/2-14	-08	90,9	3.58	61,2	2.41	9,7	0.38	1 1/16
12Z-262	3/4-14	-12	92,2	3.63	62,0	2.44	15,5	0.61	1 3/8
16Z-266	1-1 1/2	-16	111,0	4.37	77,5	3.05	20,6	0.81	1 5/8

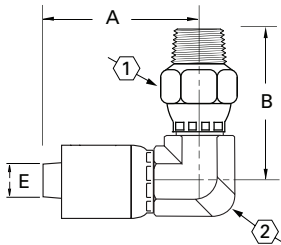
Female straight pipe swivel (NPSM)



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		2	1
			mm	in	mm	in	mm	in		
04Z-054	1/4-18	-04	47,8	1.88	27,7	1.09	4,3	0.17	9/16	11/16
06Z-056	3/8-18	-06	51,8	2.04	30,5	1.20	6,6	0.26	11/16	7/8
08Z-058	1/2-14	-08	61,0	2.40	35,8	1.41	9,7	0.38	7/8	1
12Z-062	3/4-14	-12	66,5	2.62	39,6	1.56	15,5	0.61	1 1/8	1 1/4
16Z-066	1-1 1/2	-16	79,0	3.11	29,9	1.18	20,8	0.81	1 3/8	1 1/2
20Z-070	1 1/4-1 1/2	-20	92,7	3.65	53,3	2.10	26,7	1.05	1 3/4	1 7/8

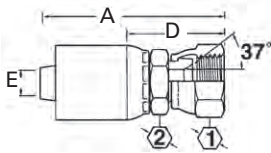
'Z' series

Male pipe swivel 90° elbow



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		⌀2	⌀1	B
			mm	in	mm	in	mm	in			
04Z-M04	1/4-18	-04	54,6	2.15	31,2	1.23	4,3	0.17	3/4	3/4	1.81
06Z-M04	1/4-18	-06	54,9	2.16	33,7	1.33	6,6	0.26	3/4	7/8	1.96
06Z-M06	3/8-18	-06	59,2	2.33	33,7	1.33	6,6	0.26	3/4	7/8	1.80
08Z-M08	1/2-14	-08	68,1	2.68	38,3	1.51	9,6	0.38	3/4	15/16	2.05
12Z-M12	3/4-14	-12	94,5	3.72	64,2	2.53	15,4	0.61	1 1/4	1 3/8	2.72

JIC/37° female swivel



* Stainless steel

Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		⌀1	⌀2
			mm	in	mm	in	mm	in		
04Z-603	3/8-24	-04	49,3	1.94	25,9	1.02	3,3	0.13	1/2	9/16
04Z-604	7/16-20	-04	50,8	2.00	27,2	1.07	4,3	0.17	9/16	9/16
04ZR-604*	7/16-20	-04	50,8	2.00	27,2	1.07	4,3	0.17	9/16	9/16
04Z-605	1/2-20	-04	50,3	1.98	26,9	1.06	4,3	0.17	5/8	9/16
04Z-606	9/16-18	-04	51,6	2.03	28,2	1.11	4,3	0.17	11/16	9/16
06Z-604	7/16-20	-06	55,6	2.19	30,2	1.19	4,3	0.17	9/16	11/16
06Z-605	1/2-20	-06	56,9	2.24	31,5	1.24	5,8	0.23	5/8	11/16
06Z-606	9/16-18	-06	57,9	2.28	32,5	1.28	6,6	0.26	11/16	11/16
06ZR-606*	9/16-18	-06	57,9	2.28	32,5	1.28	6,6	0.26	11/16	11/16
06Z-608	3/4-16	-06	58,7	2.31	33,3	1.31	6,6	0.26	7/8	11/16
06Z-610	7/8-14	-06	57,4	2.26	13,2	0.52	6,6	0.26	1	13/16
06Z-612	1 1/16-12	-06	59,5	2.34	38,4	1.51	6,7	0.26	1 1/4	1
08Z-606	9/16-18	-08	59,9	2.36	34,5	1.36	9,6	0.33	11/16	13/16
08Z-608	3/4-16	-08	66,8	2.63	37,1	1.46	9,7	0.38	7/8	13/16
08ZR-608*	3/4-16	-08	66,8	2.63	37,1	1.46	9,7	0.38	7/8	13/16
08Z-610	7/8-14	-08	67,1	2.64	37,3	1.47	9,7	0.38	1	13/16
08Z-612	1 1/16-12	-08	69,3	2.73	39,6	1.56	9,7	0.38	1 1/4	1
08Z-616	1 5/16-12	-08	77,7	3.06	48,0	1.89	9,7	0.38	1 1/2	1 1/4
10Z-608	3/4-16	-10	67,3	2.65	38,1	1.50	9,9	0.39	7/8	15/16
10Z-610	7/8-14	-10	70,4	2.77	40,9	1.61	12,7	0.50	1	15/16
10ZR-610*	7/8-14	-10	70,4	2.77	40,9	1.61	12,7	0.50	1	15/16
10Z-612	1 1/16-12	-10	69,1	2.72	39,9	1.57	12,7	0.50	1 1/4	1
12Z-608	3/4-16	-12	66,0	2.60	38,8	1.53	9,9	0.39	7/8	1 1/8
12Z-610	7/8-14	-12	71,4	2.81	41,4	1.63	12,2	0.48	1	1 1/8
12Z-612	1 1/16-12	-12	72,1	2.84	41,9	1.65	15,5	0.61	1 1/4	1 1/8
12ZR-612*	1 1/16-12	-12	72,1	2.84	41,9	1.65	15,5	0.61	1 1/4	1 1/8
12Z-614	1 3/16-12	-12	72,1	2.84	41,9	1.65	15,5	0.61	1 3/8	1 1/8
12Z-616	1 5/16-12	-12	73,9	2.91	43,7	1.72	15,5	0.61	1 1/2	1 1/4
16Z-612	1 1/16-12	-16	80,0	3.15	45,7	1.80	15,5	0.61	1 1/4	1 3/8
16Z-614	1 3/16-12	-16	80,0	3.15	46,5	1.83	20,6	0.81	1 3/8	1 3/8
16Z-616	1 5/16-12	-16	83,6	3.29	49,0	1.93	20,6	0.81	1 1/2	1 3/8
16ZR-616*	1 5/16-12	-16	83,6	3.29	49,0	1.93	20,6	0.81	1 1/2	1 3/8
16Z-620	1 5/8-12	-16	80,5	3.17	46,0	1.81	20,6	0.81	2	
20Z-616	1 5/16-12	-20	87,9	3.46	43,9	1.73	21,6	0.85	1 1/2	
20Z-620	1 5/8-12	-20	91,7	3.61	47,8	1.88	26,7	1.05	2	
24Z-624	1 7/8-12	-24	99,1	3.90	52,6	2.07	32,0	1.26	2 1/4	
32Z-632	2 1/2-12	-32	110,2	4.34	60,7	2.39	44,5	1.75	2 7/8	

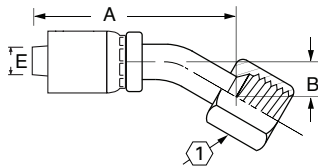
Crimp fittings

'Z' series

H

'Z' series

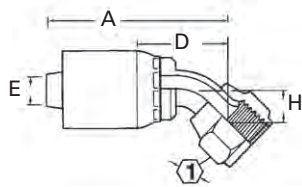
JIC/37° female swivel 30° tube elbow



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		1	B
			mm	in	mm	in	mm	in		
10Z-L22	1 ¹ / ₁₆ -12	-10	86,1	3.39	60,5	2.38	12,7	0.51	1/4 Hex	0.69

JIC/37° female swivel 45° tube elbow

(Exceptions noted)



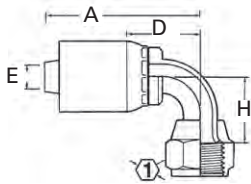
Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		H		1
			mm	in	mm	in	mm	in	mm	in	
04Z-684 ^a	7/16-20	-04	49,8	1.96	26,4	1.04	3,8	0.15	8,4	0.33	9/16
04Z-685 ^a	1/2-20	-04	51,8	2.04	28,4	1.12	4,3	0.17	9,4	0.37	5/8
04Z-686	9/16-18	-04	53,1	2.09	29,7	1.17	4,3	0.17	9,9	0.39	11/16
06Z-684 ^a	7/16-20	-06	44,5	1.75	23,4	0.92	4,1	0.16	8,4	0.33	9/16
06Z-686	9/16-18	-06	58,7	2.31	33,3	1.31	6,1	0.24	9,9	0.39	11/16
06Z-688 ^a	3/4-16	-06	67,3	2.65	42,2	1.66	6,6	0.26	14,0	0.55	7/8
08Z-688 ^a	3/4-16	-08	71,6	2.82	41,9	1.65	9,4	0.37	14,0	0.55	7/8
08Z-690 ^a	7/8-14	-08	77,0	3.03	47,2	1.86	9,7	0.38	15,0	0.59	1
10Z-690 ^a	7/8-14	-10	74,7	2.94	45,5	1.79	11,7	0.46	15,0	0.59	1
10Z-692	1 ¹ / ₁₆ -12	-10	85,9	3.38	56,4	2.22	12,7	0.50	19,8	0.78	1 ¹ / ₄
12Z-696	1 ⁵ / ₁₆ -12	-12	87,1	3.43	60,2	2.37	15,5	0.61	26,9	1.06	1 ¹ / ₂
12Z-692	1 ¹ / ₁₆ -12	-12	87,1	3.43	56,9	2.24	14,7	0.58	19,8	0.78	1 ¹ / ₄
16Z-696	1 ⁵ / ₁₆ -12	-16	95,0	3.74	60,7	2.39	19,3	0.76	27,2	1.07	1 ¹ / ₂
20Z-697	1 ⁵ / ₈ -12	-20	112,8	4.44	68,8	2.71	25,7	1.01	31,0	1.22	2

^a Swivel nuts are universal – both SAE 37° and 45° connections.

'Z' series

JIC/37° female swivel
90° elbow

(Exceptions noted)

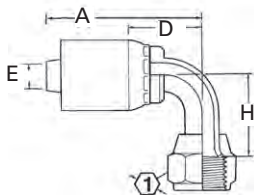


Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		H		1
			mm	in	mm	in	mm	in	mm	in	
04Z-664 ^a	7/16-20	-04	46,7	1.84	23,4	0.92	3,8	0.15	17,3	0.68	9/16
04Z-665 ^a	1/2-20	-04	48,8	1.92	25,4	1.00	4,3	0.17	19,3	0.76	5/8
04Z-666	9/16-18	-04	50,8	2.00	27,4	1.08	4,3	0.17	21,3	0.84	11/16
06Z-664 ^a	7/16-20	-06	46,0	1.81	24,9	0.98	4,1	0.16	17,3	0.68	9/16
06Z-666	9/16-18	-06	56,1	2.21	31,0	1.22	6,1	0.24	21,3	0.84	11/16
06Z-668 ^a	3/4-16	-06	61,5	2.42	36,1	1.42	6,6	0.26	27,7	1.09	7/8
08Z-666	9/16-18	-08	61,7	2.43	32,0	1.26	6,1	0.24	21,3	0.84	11/16
08Z-668 ^a	3/4-16	-08	65,8	2.59	36,1	1.42	9,4	0.37	27,7	1.09	7/8
08Z-670 ^a	7/8-14	-08	70,6	2.78	41,0	1.61	9,7	0.38	30,2	1.19	1
10Z-670 ^a	7/8-14	-10	68,6	2.70	39,4	1.55	11,4	0.45	30,2	1.19	1
10Z-672	1 1/16-12	-10	84,1	3.31	54,9	2.16	12,7	0.50	45,7	1.80	1 1/4
12Z-670 ^a	7/8-14	-12	65,3	2.57	39,6	1.56	11,7	0.46	30,2	1.19	1
12Z-672	1 1/16-12	-12	85,4	3.36	55,1	2.17	17,4	0.58	45,7	1.80	1 1/4
12Z-676	1 5/16-12	-12	85,6	3.37	55,4	2.18	15,5	0.61	60,7	2.39	1 1/2
16Z-676	1 5/16-12	-16	90,4	3.56	55,9	2.20	19,3	0.76	60,7	2.39	1 1/2
16Z-677	1 5/8-12	-16	95,8	3.77	62,2	2.45	20,8	0.82	69,9	2.75	2
20Z-677	1 5/8-12	-20	108,0	4.25	64,0	2.52	25,7	1.01	69,9	2.75	2
24Z-678	1 7/8-12	-24	117,6	4.63	71,4	2.81	32,0	1.26	80,5	3.17	2 1/4

^a Swivel nuts are universal – both SAE 37° and 45° connections.

JIC/37° female swivel
90° long drop tube elbow

(Exceptions noted)



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		H		1
			mm	in	mm	in	mm	in	mm	in	
04Z-644 ^a	7/16-20	-04	46,7	1.84	23,4	0.92	3,8	0.15	45,7	1.80	9/16
04Z-645 ^a	1/2-20	-04	48,8	1.92	25,4	1.00	4,3	0.17	45,7	1.80	5/8
06Z-644 ^a	7/16-20	-06	46,0	1.81	24,9	0.98	4,3	0.17	45,7	1.80	9/16
06Z-646	9/16-18	-06	56,4	2.22	31,2	1.23	6,1	0.24	55,4	2.18	11/16
06Z-648 ^a	3/4-16	-06	64,5	2.54	39,1	1.54	6,6	0.26	62,2	2.45	7/8
08Z-648 ^a	3/4-16	-08	68,8	2.71	39,1	1.54	9,4	0.37	62,2	2.45	7/8
08Z-650 ^a	7/8-14	-08	70,6	2.78	40,9	1.61	9,7	0.38	65,3	2.57	1
10Z-650 ^a	7/8-14	-10	68,6	2.70	39,1	1.54	11,7	0.46	65,3	2.57	1
12Z-652 *	1 1/16-12	-12	85,3	3.36	55,1	2.17	14,7	0.58	94,0	3.70	1 1/4
16Z-656 **	1 5/16-12	-16	90,4	3.56	55,9	2.20	19,3	0.76	116,3	4.58	1 1/2
20Z-657	1 5/8-12	-20	108,0	4.25	64,0	2.52	25,7	1.01	140,5	5.53	2

^a Swivel nuts are universal – both SAE 37° and 45° connections.

* The 90° long drop tube elbow configuration meets a 3.5:1 burst, based on 4000psi operating pressure.

**The 90° long drop tube elbow configuration meets a 3.7:1 burst, based on 3000psi operating pressure.

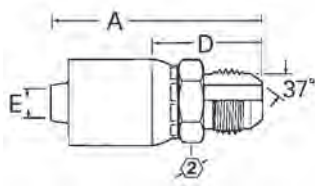
Crimp fittings

'Z' series

H

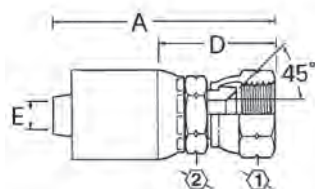
'Z' series

JIC/37° male rigid



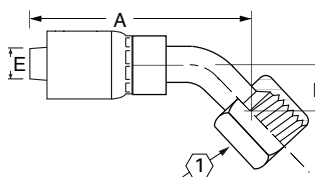
Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		②	
			mm	in	mm	in	mm	in	mm	in
04Z-504	7/16-20	-04	50,8	2.00	27,2	1.07	4,3	0.17	9/16	9/16
04Z-505	1/2-20	-04	46,7	1.84	23,4	0.92	4,3	0.17	9/16	9/16
04Z-506	9/16-18	-04	47,0	1.85	23,6	0.93	4,3	0.17	5/8	5/8
06Z-506	9/16-18	-06	54,9	2.16	29,7	1.17	6,6	0.26	11/16	11/16
06Z-508	3/4-16	-06	53,3	2.10	28,2	1.11	6,6	0.26	13/16	13/16
06Z-510	7/8-14	-06	53,3	2.10	30,7	1.21	6,6	0.26	15/16	15/16
08Z-508	3/4-16	-08	65,3	2.57	35,8	1.41	9,7	0.38	13/16	13/16
08Z-510	7/8-14	-08	61,5	2.42	32,0	1.26	9,7	0.38	15/16	15/16
08Z-512	1 1/16-12	-08	65,8	2.59	36,1	1.42	9,7	0.38	1 1/8	1 1/8
10Z-508	3/4-16	-10	61,7	2.43	35,8	1.41	12,7	0.50	15/16	15/16
10Z-510	7/8-14	-10	69,3	2.73	39,9	1.57	12,2	0.48	15/16	15/16
10Z-512	1 1/16-12	-10	65,8	2.59	36,3	1.43	12,7	0.50	1 1/8	1 1/8
12Z-510	7/8-14	-12	70,6	2.78	40,4	1.59	12,2	0.48	1 1/8	1 1/8
12Z-512	1 1/16-12	-12	74,7	2.94	44,5	1.75	15,5	0.61	1 1/8	1 1/8
12Z-514	1 3/16-12	-12	69,3	2.73	39,1	1.54	15,5	0.61	1 1/4	1 1/4
12Z-516	1 5/16-12	-12	69,9	2.75	39,6	1.56	15,5	0.61	1 3/8	1 3/8
16Z-514	1 3/16-12	-16	79,0	3.11	45,7	1.80	18,3	0.72	1 3/8	1 3/8
16Z-516	1 5/16-12	-16	82,6	3.25	48,3	1.90	20,8	0.82	1 3/8	1 3/8
16Z-520	1 5/8-12	-16	77,0	3.03	43,4	1.71	20,6	0.81	1 11/16	1 11/16
20Z-520	1 5/8-12	-20	98,8	3.89	54,9	2.16	26,7	1.05	1 3/4	1 3/4
24Z-524	1 7/8-12	-24	109,5	4.31	63,2	2.49	32,0	1.26	2	2

SAE 45° female swivel



Z Series Part number	Thd.	Hose Size	A		Hose cut-off factor (D)		EØ		①	②
			mm	in	mm	in	mm	in	in	in
04Z-404	7/16-20	-04	50,8	2.00	27,2	1.07	4,3	0.17	9/16	9/16
06Z-404	7/16-20	-06	55,6	2.19	30,2	1.19	4,8	0.19	9/16	11/16
06Z-406	5/8-18	-06	58,7	2.31	33,3	1.31	6,6	0.26	3/4	11/16
06Z-408	3/4-16	-06	58,7	2.31	33,3	1.31	6,6	0.26	7/8	11/16
08Z-408	3/4-16	-08	66,8	2.63	37,1	1.46	9,7	0.38	7/8	13/16
08Z-410	7/8-14	-08	67,1	2.64	37,3	1.47	9,7	0.38	1	13/16
12Z-412	1 1/16-14	-12	72,1	2.84	41,9	1.65	15,5	0.61	1 1/4	1 1/8

SAE 45° female swivel 45° tube elbow

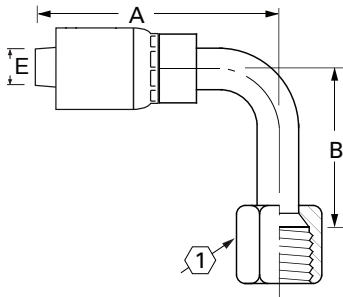


Z Series Part number	Thd.	Hose Size	A		Hose cut-off factor (D)		EØ		①	B
			mm	in	mm	in	mm	in	in	in
06Z-486	5/8-18	-06	58,2	2.29	36,8	1.45	6,1	0.24	3/4	0.73

'Z' series

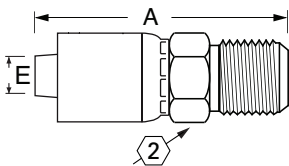
SAE 45° female swivel long drop 90° tube elbow

Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		1	B
			mm	in	mm	in	mm	in		
06Z-446	5/8-18	-06	47,5	1.87	26,2	1.03	6.1	0.24	3/4	2.18



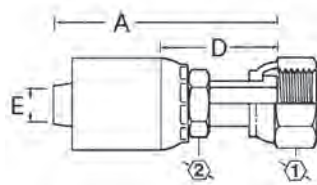
SAE 45° flare male rigid

Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		2
			mm	in	mm	in	mm	in	
06Z-306	5/8-18	-06	52,3	2.06	31,2	1.23	6,6	0.26	11/16
12Z-312	1 1/16-14	-12	74,7	2.94	47,8	1.88	15,5	0.61	1 1/8



Female ORS swivel

Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		1	2
			mm	in	mm	in	mm	in		
04Z-S64	9/16-18	-04	49,5	1.95	26,2	1.03	4,3	0.17	11/16	9/16
04Z-S66	11/16-16	-04	51,8	2.04	28,4	1.12	4,3	0.17	13/16	5/8
04Z-S68	13/16-16	-04	52,3	2.06	32,5	1.28	4,1	0.16	13/16	15/16
06Z-S64	9/16-18	-06	54,4	2.14	29,2	1.15	4,3	0.17	11/16	11/16
06Z-S66	11/16-16	-06	56,6	2.23	31,5	1.24	6,6	0.26	13/16	11/16
06Z-S68	13/16-16	-06	58,9	2.32	33,5	1.32	6,6	0.26	15/16	13/16
08Z-S66	11/16-16	-08	63,8	2.51	34,0	1.34	6,6	0.26	13/16	7/8
08Z-S68	13/16-16	-08	67,8	2.67	38,1	1.50	9,7	0.38	15/16	7/8
08Z-S70	1-14	-08	67,1	2.64	37,3	1.47	9,7	0.38	1 1/8	15/16
08Z-S72	13/16-12	-08	71,1	2.80	41,4	1.63	9,7	0.38	13/8	1 1/8
10Z-S68	13/16-16	-10	67,8	2.67	38,4	1.51	9,7	0.38	15/16	15/16
10Z-S70	1-14	-10	70,1	2.76	40,9	1.61	12,2	0.48	1 1/8	15/16
10Z-S72	13/16-12	-10	70,9	2.79	41,4	1.63	12,7	0.50	13/8	1 1/8
12Z-S70	1-14	-12	71,4	2.81	41,4	1.62	12,2	0.48	1 1/8	1 1/8
12Z-S72	13/16-12	-12	73,9	2.91	43,7	1.72	15,5	0.61	13/8	1 1/8
12Z-S76	17/16-12	-12	75,7	2.98	45,5	1.79	15,5	0.61	15/8	13/8
16Z-S72	13/16-12	-16	81,8	3.22	47,2	1.86	15,5	0.61	13/8	13/8
16Z-S76	17/16-12	-16	83,6	3.29	49,3	1.94	20,6	0.81	15/8	13/8
16Z-S80	1 11/16-12	-16	82,6	3.25	48,3	1.90	20,6	0.81	17/8	15/8
20Z-S80	1 11/16-12	-20	98,8	3.89	59,2	2.33	25,9	1.02	17/8	13/4
20Z-S84	2-12	-20	94,6	3.88	54,6	2.15	26,7	1.05	2 1/4	1 13/16
24Z-S84	2-12	-24	102,1	4.02	55,6	2.19	32,0	1.26	2 1/4	2



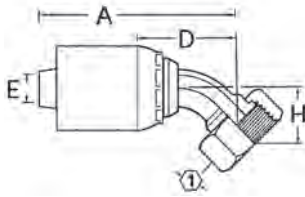
Crimp fittings

'Z' series

H

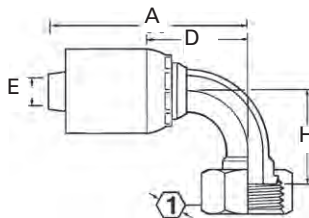
'Z' series

Female ORS swivel 45° tube elbow



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		H		in
			mm	in	mm	in	mm	in	mm	in	
04Z-L64	9/16-18	-04	53,8	2.12	30,5	1.20	4,3	0.17	10,2	0.40	11/16
04Z-L66	11/16-16	-04	58,4	2.30	35,1	1.38	4,3	0.17	10,9	0.43	13/16
06Z-L64	9/16-18	-06	58,4	2.30	33,0	1.30	4,3	0.17	10,4	0.41	11/16
06Z-L66	11/16-16	-06	61,7	2.43	36,3	1.43	6,6	0.26	10,9	0.43	13/16
06Z-L68	13/16-16	-06	69,6	2.74	44,2	1.74	6,6	0.26	15,0	0.59	15/16
08Z-L66	11/16-16	-08	67,3	2.65	37,6	1.48	6,6	0.26	10,9	0.43	13/16
08Z-L68	13/16-16	-08	75,2	2.96	45,5	1.79	9,1	0.36	15,0	0.59	15/16
08Z-L70	1-14	-08	80,8	3.18	51,1	2.01	9,7	0.38	16,5	0.65	1 1/8
08Z-L72	13/16-12	-08	89,2	3.51	59,4	2.34	9,7	0.38	21,1	0.83	13/8
10Z-L70	1-14	-10	77,5	3.05	51,1	2.01	11,4	0.45	16,5	0.65	1 1/8
10Z-L72	13/16-12	-10	89,4	3.52	59,9	2.36	12,7	0.50	21,1	0.83	13/8
12Z-L70	1-14	-12	78,5	3.09	51,8	2.04	11,4	0.45	16,5	0.65	1 1/8
12Z-L72	13/16-12	-12	90,7	3.57	60,5	2.38	14,0	0.55	21,1	0.83	13/8
12Z-L76	17/16-12	-12	102,6	4.04	72,4	2.85	15,5	0.61	23,9	0.94	15/8
16Z-L72	13/16-12	-16	94,5	3.72	60,9	2.40	14,0	0.55	21,1	0.83	13/8
16Z-L76	17/16-12	-16	107,4	4.23	73,2	2.88	19,8	0.78	23,9	0.94	15/8
16Z-L80	1 11/16-12	-16	117,3	4.62	83,8	3.30	20,7	0.81	25,4	1.00	17/8
20Z-L80	1 11/16-12	-20	129,5	5.10	85,6	3.37	25,9	1.02	25,4	1.00	17/8
20Z-L84	2-12	-20	139,4	5.49	95,5	3.76	25,7	1.01	27,2	1.07	2 1/4
24Z-L84	2-12	-24	115,3	4.54	68,8	2.71	32,0	1.26	27,2	1.07	2 1/4

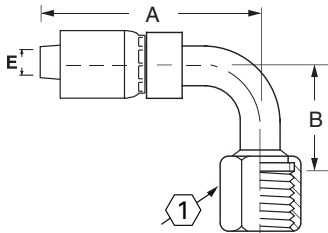
Female ORS swivel short drop 90° tube elbow



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		H		in
			mm	in	mm	in	mm	in	mm	in	
04Z-A24	9/16-18	-04	53,1	2.09	29,7	1.17	4,3	0.17	20,8	0.82	11/16
04Z-A26	11/16-16	-04	56,4	2.22	33,0	1.30	4,3	0.17	22,9	0.90	13/16
06Z-A24	9/16-18	-06	56,1	2.21	30,7	1.21	4,3	0.17	20,8	0.82	11/16
06Z-A26	11/16-16	-06	59,4	2.34	34,0	1.34	6,6	0.26	22,9	0.90	13/16
06Z-A28	13/16-16	-06	66,5	2.62	41,4	1.62	6,6	0.26	29,2	1.15	15/16
08Z-A26	11/16-16	-08	65,0	2.56	35,3	1.39	6,6	0.26	22,9	0.90	13/16
08Z-A28	13/16-16	-08	72,1	2.84	42,4	1.67	9,1	0.36	29,2	1.15	15/16
08Z-A30	1-14	-08	78,0	3.07	48,5	1.91	9,7	0.38	32,3	1.27	1 1/8
08Z-A32	13/16-12	-08	87,6	3.45	57,9	2.28	9,7	0.38	47,8	1.88	13/8
10Z-A30	1-14	-10	78,0	3.07	48,5	1.91	11,4	0.45	32,3	1.27	1 1/8
10Z-A32	13/16-12	-10	87,4	3.44	58,2	2.29	12,7	0.50	47,8	1.88	13/8
12Z-A30	1-14	-12	79,0	3.11	49,0	1.93	11,4	0.45	32,3	1.27	1 1/8
12Z-A32	13/16-12	-12	88,6	3.49	58,4	2.30	14,0	0.55	47,8	1.88	13/8
12Z-A36	17/16-12	-12	102,6	4.04	72,4	2.85	15,5	0.61	56,1	2.21	15/8
16Z-A36	17/16-12	-16	107,2	4.22	72,9	2.87	20,6	0.81	56,1	2.21	15/8
16Z-A40	1 11/16-12	-16	123,2	4.85	89,0	3.50	20,6	0.81	63,8	2.51	17/8
20Z-A40	1 11/16-12	-20	134,6	5.30	90,7	3.57	25,9	1.02	63,8	2.51	17/8
20Z-A44	2-12	-20	109,7	4.32	70,4	2.77	26,6	1.05	68,6	2.70	2 1/4
24Z-A40	1 11/16-12	-24	117,6	4.63	71,4	2.81	32,0	1.26	68,6	2.70	2 1/4
24Z-A44	2-12	-24	117,6	4.63	71,4	2.81	32,0	1.26	68,6	2.70	2 1/4

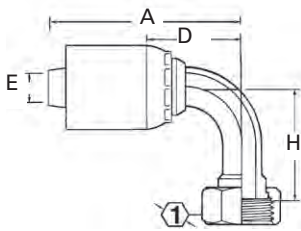
'Z' series

Female ORS swivel medium drop 90° tube elbow



Z Series Part number	Thd.	Hose Size	A		Hose cut-off factor (D)		EØ		1	B
			mm	in	mm	in	mm	in		
04Z-J34	9/16-18	-04	49,5	1.95	29,7	1.17	4,3	0.17	11/16	1.26
04Z-J36	11/16-16	-04	55,1	2.17	32,8	1.29	4,3	0.17	13/16	1.51
04Z-J38	13/16-16	-04	55,9	2.20	35,8	1.41	4,3	0.17	15/16	1.67
06Z-J36	11/16-16	-06	55,1	2.17	34,0	1.34	6,6	0.26	13/16	1.51
06Z-J38	13/16-16	-06	57,4	2.26	36,1	1.42	6,6	0.26	15/16	1.67
08Z-J36	11/16-16	-08	63,0	2.48	37,6	1.48	6,1	0.24	13/16	1.51
08Z-J38	13/16-16	-08	67,6	2.66	42,4	1.67	9,1	0.36	15/16	1.62
08Z-J42	13/16-12	-08	98,3	3.87	72,9	2.87	9,7	0.38	13/8	2.13
10Z-J40	1-14	-10	74,4	2.93	48,5	1.91	11,4	0.45	11/8	1.85
12Z-J40	1-14	-12	67,6	2.66	40,6	1.60	11,4	0.45	11/8	1.78
12Z-J42	13/16-12	-12	85,3	3.36	58,4	2.30	13,9	0.55	13/8	2.28
16Z-J46	17/16-12	-16	106,2	4.18	72,6	2.86	19,8	0.78	15/8	2.78
16Z-J50	111/16-12	-16	141,2	5.56	107,7	4.24	20,6	0.81	17/8	3.06
20Z-J50	111/16-12	-20	148,8	5.86	109,5	4.31	23,6	0.93	17/8	3.06

Female ORS swivel long drop 90° tube elbow



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		H		1
			mm	in	mm	in	mm	in	mm	in	
04Z-A64	9/16-18	-04	53,1	2.09	29,7	1.17	4,3	0.17	45,7	1.80	11/16
04Z-A66	11/16-16	-04	56,4	2.22	33,0	1.30	4,3	0.17	54,1	2.13	13/16
04Z-A68	13/16-16	-04	65,8	2.59	42,4	1.67	4,3	0.17	64,8	2.55	15/16
06Z-A66	11/16-16	-06	59,4	2.34	34,0	1.34	6,1	0.24	54,1	2.13	13/16
06Z-A68	13/16-16	-06	68,8	2.71	43,4	1.71	6,6	0.26	64,8	2.55	15/16
08Z-A68	13/16-16	-08	72,9	2.87	43,2	1.70	9,4	0.37	64,8	2.55	15/16
08Z-A70	1-14	-08	78,0	3.07	48,5	1.91	9,7	0.38	70,1	2.76	11/8
10Z-A70	1-14	-10	78,0	3.07	48,5	1.91	11,7	0.46	70,1	2.76	11/8
12Z-A72 *	13/16-12	-12	88,4	3.48	58,2	2.29	14,2	0.56	96,0	3.78	13/8
12Z-A76	17/16-12	-12	102,6	4.04	72,4	2.85	15,5	0.61	114,3	4.50	15/8
16Z-A76**	17/16-12	-16	107,2	4.22	72,6	2.86	19,8	0.78	114,3	4.50	15/8
20Z-A80	111/16-12	-20	134,6	5.30	90,7	3.57	25,7	1.01	129,3	5.09	17/8
20Z-A84	2-12	-20	109,7	4.32	70,4	2.77	26,7	1.05	140,7	5.54	21/4
24Z-A84	2-12	-24	117,6	4.63	71,4	2.81	32,0	1.26	140,7	5.54	21/4

* The 90° long drop tube elbow configuration meets a 3.5:1 burst, based on 4000psi operating pressure.

**The 90° long drop tube elbow configuration meets a 3.7:1 burst, based on 3000psi operating pressure.

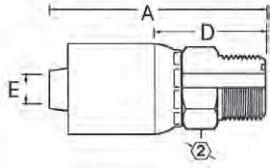
Crimp fittings

'Z' series

H

'Z' series

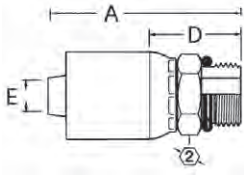
ORS male rigid



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		② in
			mm	in	mm	in	mm	in	
04Z-E64	9/16-18	-04	45,2	1.78	21,8	0.86	4,3	0.17	5/8
06Z-E66	11/16-16	-06	50,5	1.99	25,1	0.99	6,6	0.26	3/4
06Z-E68	13/16-16	-06	49,5	1.95	24,1	0.95	6,6	0.26	7/8
08Z-E68	13/16-16	-08	58,4	2.30	28,7	1.13	9,7	0.38	7/8
08Z-E70	1-14	-08	55,1	2.17	29,7	1.17	9,7	0.38	1 1/16
08Z-E72	1 3/16-12	-08	57,7	2.27	32,3	1.27	9,7	0.38	1 1/4
10Z-E70	1-14	-10	57,4	2.26	31,5	1.24	12,2	0.48	1 1/16
10Z-E72	1 3/16-12	-10	57,4	2.26	31,5	1.24	12,7	0.50	1 1/4
12Z-E72	1 3/16-12	-12	66,8	2.63	36,6	1.44	15,5	0.61	1 1/4
12Z-E76	1 7/16-12	-12	64,3	2.53	34,0	1.34	15,5	0.61	1 1/2
16Z-E76	1 7/16-12	-16	75,2	2.96	41,7	1.64	20,7	0.81	1 1/2
20Z-E80	1 11/16-12	-20	85,1	3.35	45,7	1.80	26,2	1.03	1 3/4

Does not include O-ring. See pages J-112-113 for O-ring part number.

Male straight thread O-ring rigid

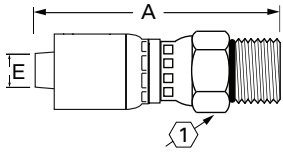


Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		② in
			mm	in	mm	in	mm	in	
04Z-P04	7/16-20	-04	46,7	1.84	23,4	0.92	4,3	0.17	9/16
04Z-P05	1/2-20	-04	46,7	1.84	23,4	0.92	4,3	0.17	5/8
04Z-P06	9/16-18	-04	45,2	1.78	21,8	0.86	4,3	0.17	1 1/16
06Z-P06	9/16-18	-06	50,8	2.00	25,4	1.00	6,6	0.26	1 1/16
06Z-P08	3/4-16	-06	50,0	1.97	24,9	0.98	6,6	0.26	7/8
06Z-P10	7/8-14	-06	47,8	1.88	26,7	1.05	6,6	0.26	1
08Z-P08	3/4-16	-08	59,9	2.36	30,2	1.19	9,7	0.38	7/8
08Z-P10	7/8-14	-08	57,4	2.26	27,7	1.09	9,7	0.38	1
08Z-P12	1 1/16-12	-08	60,7	2.39	31,0	1.22	9,7	0.38	1 1/4
10Z-P08	3/4-16	-10	56,1	2.21	30,2	1.19	12,7	0.50	1 5/16
10Z-P10	7/8-14	-10	59,4	2.34	33,5	1.32	12,7	0.50	1
10Z-P12	1 1/16-12	-10	60,7	2.39	31,2	1.23	12,7	0.50	1 1/4
12Z-P10	7/8-14	-12	64,3	2.53	37,1	1.46	12,2	0.48	1 1/8
12Z-P12	1 1/16-12	-12	62,0	2.44	31,8	1.25	15,5	0.61	1 1/4
12Z-P16	1 5/16-12	-12	65,0	2.56	34,8	1.37	15,5	0.61	1 1/2
16Z-P16	1 5/16-12	-16	69,6	2.74	35,3	1.39	20,8	0.82	1 1/2
20Z-P20	1 5/8-12	-20	92,2	3.63	48,3	1.90	26,7	1.05	1 7/8
24Z-P24	1 7/8-12	-24	92,2	3.63	46,0	1.81	32,0	1.26	2 1/8

See pages J-112-113 for replacement O-rings.

'Z' series

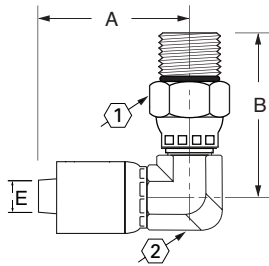
Male straight thread O-ring swivel



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		1
			mm	in	mm	in	mm	in	
04Z-R04	7/16-20	-04	64,0	2.52	40,3	1.59	4,3	0.17	3/4
06Z-R06	9/16-18	-06	69,1	2.72	43,9	1.73	6,6	0.26	7/8
06Z-R08	3/4-16	-08	67,6	2.66	42,4	1.67	6,6	0.26	7/8
08Z-R08	3/4-16	-08	76,5	3.01	46,7	1.84	9,6	0.38	1
08Z-R10	7/8-14	-08	77,0	3.03	47,2	1.86	9,6	0.38	1
08Z-R12	1 1/16-12	-08	88,6	3.49	58,9	2.32	9,6	0.38	1 7/16
10Z-R08	3/4-16	-10	76,7	3.02	47,2	1.86	12,7	0.50	1
12Z-R10	7/8-14	-12	87,1	3.43	56,9	2.24	15,5	0.61	1 7/16

Includes O-ring. See pages J-112-113 for replacement O-rings.

Male straight thread O-ring swivel 90° elbow

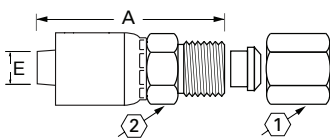


Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		2	1	B
			mm	in	mm	in	mm	in			
04Z-R66	9/16-18	-04	55,4	2.18	32,0	1.26	4,3	0.17	3/4	7/8	1,87
06Z-R66	9/16-18	-06	59,2	2.33	33,7	1.33	6,6	0.26	3/4	7/8	1,87
06Z-R68	3/4-16	-06	59,2	2.33	33,7	1.33	6,6	0.26	3/4	1	1,93
06Z-R70	7/8-14	-06	59,2	2.33	33,7	1.33	6,6	0.26	3/4	1	1,95
08Z-R68	3/4-16	-08	68,1	2.68	38,3	1.51	9,7	0.38	3/4	1	1,93
08Z-R70	7/8-14	-08	68,1	2.68	38,3	1.51	9,7	0.38	3/4	1	1,97
08Z-R72	1 1/16-12	-08	79,2	3.12	49,5	1.95	9,7	0.38	1 1/16	1 7/16	2,43
12Z-R72	1 1/16-12	-12	94,5	3.72	64,2	2.53	15,5	0.61	32 mm	1 7/16	2,65

Includes O-ring. See pages J-112-113 for replacement O-rings.

Flareless tube rigid Ermeto 7000 series

(with nut and sleeve)



Z Series Part number	Thd.	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		2	1
				mm	in	mm	in	mm	in		
04Z-754	7/16-20	1/4	-04	41,9	1.65	21,8	0.86	4,3	0.17	9/16	9/16
04Z-755	1/2-20	5/16	-04	40,1	1.58	20,3	0.80	4,3	0.17	9/16	5/8
06Z-754	7/16-20	1/4	-06	46,0	1.81	24,6	0.97	6,6	0.26	11/16	9/16
06Z-755	1/2-20	5/16	-06	46,0	1.81	24,6	0.97	5,8	0.23	11/16	5/8
06Z-756	9/16-18	3/8	-06	46,2	1.82	25,2	0.99	6,6	0.26	11/16	11/16
08Z-758	3/4-16	1/2	-08	54,6	2.15	29,5	1.16	9,7	0.38	13/16	7/8
08Z-760	7/8-14	5/8	-08	53,8	2.12	28,5	1.12	9,7	0.38	15/16	1
12Z-762	1 1/16-12	3/4	-12	61,0	2.40	34,0	1.34	15,5	0.61	1 1/8	1 1/4
16Z-766	1 5/8-12	1	-16	96,5	3.80	37,6	1.48	20,6	0.81	1 3/8	1 1/2
20Z-770	1 5/8-12	1 1/4	-20	85,1	3.35	45,7	1.80	26,7	1.05	1 3/4	2

See page J-144 for replacement nuts and sleeves.

Crimp fittings

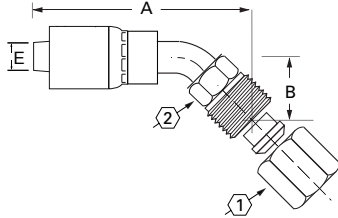
'Z' series

H

'Z' series

Flareless 45° tube elbow 7000 Ermeto series

(With Nut and Sleeve)

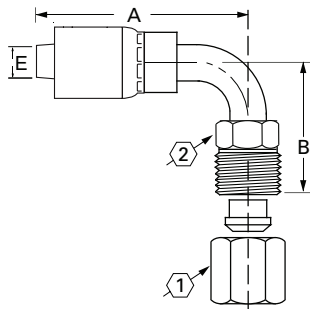


Z Series Part number	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		1	2	B
				mm	in	mm	in	mm	in			
06Z-956	$9/16-18$	$3/8$	-06	62,0	2.44	39,6	1.56	6,6	0.26	$11/16$	$5/8$	0.83

See page J-144 for replacement nuts and sleeves.

Flareless 90° tube elbow 7000 Ermeto series

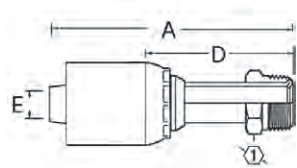
(With Nut and Sleeve)



Z Series Part number	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		2	1	B
				mm	in	mm	in	mm	in			
06Z-976	$9/16-18$	$3/8$	-06	52,1	2.05	30,9	1.22	6,6	0.26	$5/8$	$11/16$	1.46

See page J-144 for replacement nuts and sleeves

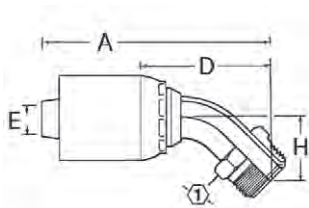
Inverted male swivel straight



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		1
			mm	in	mm	in	mm	in	in
04Z-B03	$3/8-24$	-04	76,2	3.00	55,9	2.20	2,5	0.10	$3/8$
04Z-B04	$7/16-24$	-04	60,7	2.39	37,1	1.46	4,3	0.17	$7/16$
04Z-B05	$1/2-20$	-04	60,7	2.39	37,1	1.46	4,3	0.17	$1/2$
06Z-B04	$7/16-24$	-06	64,3	2.53	38,9	1.53	4,3	0.17	$7/16$
06Z-B05	$1/2-20$	-06	66,0	2.60	40,9	1.61	6,1	0.24	$1/2$
06Z-B06	$5/8-18$	-06	66,0	2.60	40,9	1.61	6,6	0.26	$5/8$
06Z-B07	$11/16-18$	-06	62,2	2.45	40,6	1.60	6,6	0.26	$11/16$
08Z-B08	$3/4-18$	-08	70,9	2.79	41,4	1.62	9,7	0.38	$3/4$
08Z-B10	$7/8-18$	-08	74,7	2.94	49,0	1.93	9,7	0.38	$7/8$

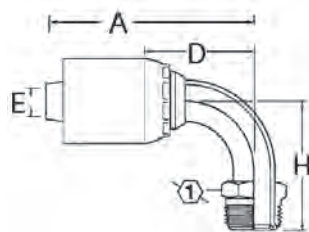
'Z' series

Inverted male swivel 45° tube elbow



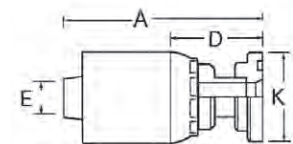
Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		H		in
			mm	in	mm	in	mm	in	mm	in	
04Z-B43	3/8-24	-04	69,9	2.75	49,8	1.96	2,5	0.10	17,5	0.69	3/8
04Z-B44	7/16-24	-04	67,8	2.67	44,5	1.75	4,3	0.17	24,4	0.96	7/16
04Z-B45	1/2-20	-04	64,5	2.54	44,5	1.75	4,3	0.17	24,4	0.96	1/2
06Z-B45	1/2-20	-06	69,1	2.72	48,0	1.89	6,1	0.24	24,4	0.96	1/2
06Z-B46	5/8-18	-06	73,2	2.88	48,0	1.89	6,6	0.26	24,4	0.96	5/8
06Z-B47	11/16-18	-06	69,3	2.73	48,0	1.89	6,6	0.26	24,4	0.96	11/16
08Z-B48	3/4-18	-08	78,0	3.07	48,3	1.90	9,7	0.38	23,6	0.93	3/4

Inverted male swivel 90° tube elbow



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		H		in
			mm	in	mm	in	mm	in	mm	in	
04Z-B63	3/8-24	-04	53,8	2.12	33,5	1.32	2,5	0.10	27,9	1.06	3/8
04Z-B64	7/16-24	-04	58,2	2.29	34,8	1.37	4,3	0.17	42,3	1.69	7/16
04Z-B65	1/2-20	-04	55,1	2.17	34,8	1.37	4,3	0.17	43,9	1.73	1/2
06Z-B64	7/16-24	-06	57,8	2.28	36,6	1.44	4,3	0.17	42,3	1.69	7/16
06Z-B65	1/2-20	-06	63,8	2.51	38,4	1.51	6,1	0.24	43,9	1.73	1/2
06Z-B66	5/8-18	-06	63,8	2.51	38,4	1.51	6,6	0.26	43,9	1.73	5/8
06Z-B67	11/16-18	-06	62,0	2.44	40,9	1.61	6,6	0.26	43,9	1.73	11/16
08Z-B68	3/4-18	-08	69,3	2.73	39,6	1.56	9,7	0.38	44,5	1.75	3/4

Split flange straight (SAE Code 61)



Z Series Part number	Nominal flange size	Thd. flange head Dia. K Ø	Hose size	A		Hose cut-off factor (D)		EØ	
				mm	in	mm	in	mm	in
08Z-G08	1/2	1.19	-08	82,0	3.23	52,3	2.06	9,7	0.38
08Z-G12	3/4	1.50	-08	83,1	3.27	53,3	2.10	9,7	0.38
10Z-G12	3/4	1.50	-10	82,8	3.26	53,3	2.10	12,7	0.50
12Z-G12	3/4	1.50	-12	84,1	3.31	53,8	2.12	15,5	0.61
12Z-G16	1	1.75	-12	84,1	3.31	53,8	2.12	15,5	0.61
12Z-G20	1 1/4	2.00	-12	91,7	3.61	61,5	2.42	15,5	0.61
16Z-G16	1	1.75	-16	88,6	3.49	54,4	2.14	20,8	0.82
16Z-G20	1 1/4	2.00	-16	96,3	3.79	62,0	2.44	20,8	0.82
20Z-G16	1	1.75	-20	100,1	3.94	56,1	2.21	20,8	0.82
20Z-G20	1 1/4	2.00	-20	107,7	4.24	63,8	2.51	26,7	1.05
20Z-G24	1 1/2	2.38	-20	108,5	4.27	64,5	2.54	26,7	1.05
20Z-G32	2	2.81	-20	108,5	4.27	64,5	2.54	25,7	1.01
24Z-G24	1 1/2	2.38	-24	111,8	4.40	65,5	2.58	32,0	1.26
24Z-G32	2	2.81	-24	111,8	4.40	65,5	2.58	30,2	1.19
32Z-G32	2	2.81	-32	117,1	4.61	66,8	2.63	44,5	1.75
32Z-G33	2 1/2	3.31	-32	116,8	4.60	66,8	2.63	44,5	1.75

See pages J-110-112 for split flange kits.

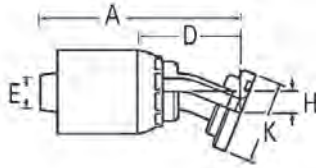
Crimp fittings

'Z' series

H

'Z' series

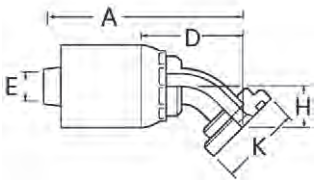
Split Flange 22.5° tube elbow (SAE Code 61)



Z Series Part number	Nominal flange size	Flange head Dia. K Ø	Hose size	A		Hose cut-off factor (D)		EØ		H	
				mm	in	mm	in	mm	in	mm	in
16Z-H03	1	1.75	-16	117,9	4.64	83,6	3.29	19,3	0.76	11,4	0.45
16Z-H04	1 1/4	2.00	-16	130,0	5.12	95,8	3.77	19,3	0.76	11,7	0.46
20Z-H04	1 1/4	2.00	-20	141,5	5.57	97,3	3.83	25,7	1.01	11,7	0.46

See pages J-110-112 for split flange kits.

Split Flange 45° tube elbow (SAE Code 61)

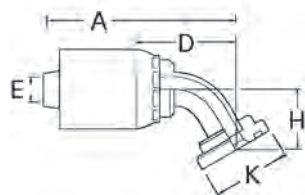


Z Series Part number	Nominal flange size	Flange head Dia. K Ø	Hose size	A		Hose cut-off factor (D)		EØ		H	
				mm	in	mm	in	mm	in	mm	in
08Z-G41	1/2	1.19	-08	79,0	3.11	49,3	1.94	9,4	0.37	19,8	0.78
08Z-G42	3/4	1.50	-08	92,5	3.64	62,7	2.47	9,4	0.37	25,4	1.00
10Z-G42	3/4	1.50	-10	93,5	3.68	64,3	2.53	11,7	0.46	25,4	1.00
12Z-G42	3/4	1.50	-12	93,2	3.67	63,0	2.48	14,7	0.58	25,7	1.01
12Z-G46	1	1.75	-12	105,7	4.16	75,4	2.97	14,7	0.58	26,9	1.06
16Z-G46	1	1.75	-16	110,5	4.35	76,2	3.00	19,3	0.76	26,9	1.06
16Z-G50	1 1/4	2.00	-16	122,2	4.81	87,6	3.45	19,3	0.76	29,2	1.15
20Z-G46	1	1.75	-20	121,9	4.80	77,7	3.06	19,3	0.76	26,9	1.06
20Z-G50	1 1/4	2.00	-20	134,1	5.28	90,2	3.55	25,7	1.01	30,0	1.18
20Z-G54	1 1/2	2.37	-20	146,2	5.76	106,7	4.20	25,7	1.01	35,8	1.41
24Z-G54	1 1/2	2.37	-24	151,6	5.97	107,0	4.25	32,0	1.26	35,8	1.41
24Z-G62	2	2.81	-24	154,2	6.07	108,0	4.25	32,0	1.26	35,8	1.41
32Z-G54	1 1/2	2.37	-32	159,3	6.27	109,0	4.29	32,0	1.26	35,8	1.41
32Z-G62	2	2.81	-32	190,2	7.49	140,2	5.52	44,5	1.75	50,8	2.00

See pages J-110-112 for split flange kits.

'Z' series

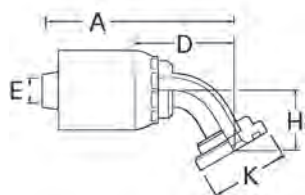
Split Flange 60° tube elbow (SAE Code 61)



Z Series Part number	Nominal flange size	Flange head Dia. K Ø	Hose size	A		Hose cut-off factor (D)		EØ		H	
				mm	in	mm	in	mm	in	mm	in
16Z-H53	1	1.75	-16	132,5	5.22	98,7	3.89	19,9	0.78	38,3	1.51
24Z-H55	1-1/2	2.37	-24	187,1	7.37	143,4	5.65	32,0	1.26	46,1	1.81

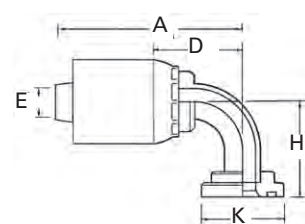
See pages J-110-112 for split flange kits.

Split Flange 67° tube elbow (SAE Code 61)



Z Series Part number	Nominal flange size	Flange Head Dia. K Ø	Hose size	A		Hose cut-off factor (D)		EØ		H	
				mm	in	mm	in	mm	in	mm	in
20Z-H60	1-1/4	2.00	-20	157,0	6.18	112,8	4.44	25,7	1.01	46,5	1.83
20Z-H64	1-1/2	2.37	-24	189,7	7.47	143,5	5.65	30,2	1.19	46,0	1.81

Split Flange 90° tube elbow (SAE Code 61)



Z Series Part number	Nominal flange size	Flange head Dia. K Ø	Hose size	A		Hose cut-off factor (D)		EØ		H	
				mm	in	mm	in	mm	in	mm	in
08Z-G71	1/2	1.19	-08	72,6	2.86	42,3	1.69	9,4	0.37	41,4	1.63
08Z-G72	3/4	1.50	-08	87,6	3.45	57,9	2.28	9,4	0.37	54,1	2.13
10Z-G72	3/4	1.50	-10	87,4	3.44	58,2	2.29	12,7	0.50	54,1	2.13
12Z-G72	3/4	1.50	-12	88,6	3.49	58,4	2.30	14,7	0.58	54,1	2.13
12Z-G76	1	1.75	-12	102,4	4.03	72,1	2.84	14,7	0.58	60,5	2.38
12Z-G80	1 1/4	2.00	-12	118,6	4.67	88,4	3.48	14,7	0.58	66,5	2.62
16Z-G76	1	1.75	-16	107,2	4.22	72,6	2.86	19,3	0.76	60,5	2.38
16Z-G80	1 1/4	2.00	-16	123,2	4.85	89,0	3.50	19,3	0.76	66,5	2.62
16Z-G84	1 1/2	2.37	-16	142,0	5.59	107,7	4.24	19,3	0.76	79,2	3.12
20Z-G76	1	1.75	-20	118,4	4.66	74,4	2.93	19,3	0.76	60,5	2.38
20Z-G80	1 1/4	2.00	-20	134,6	5.30	90,7	3.57	25,7	1.01	66,5	2.62
20Z-G84	1 1/2	2.37	-20	153,4	6.04	109,4	4.31	26,6	1.05	79,3	3.12
24Z-G80	1 1/4	2.00	-24	137,9	5.43	91,7	3.61	25,7	1.01	66,5	2.62
24Z-G84	1 1/2	2.37	-24	157,0	6.18	110,5	4.35	32,0	1.26	79,3	3.12
24Z-G92	2	2.81	-24	184,9	7.28	138,4	5.45	32,0	1.26	114,3	4.50
32Z-G92	2	2.81	-32	182,9	7.20	119,9	4.72	41,4	1.62	114,3	4.50
32Z-G93	2 1/2	3.31	-32	182,9	7.20	119,9	4.72	41,4	1.62	115,8	4.56

See pages J-110-112 for split flange kits.

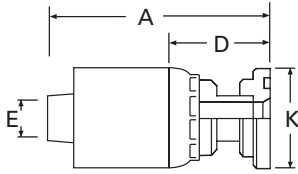
Crimp fittings

'Z' series

H

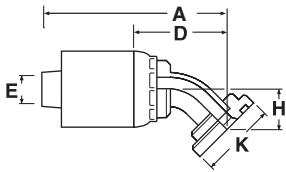
'Z' series

Metric split flange straight (Komatsu, Linkbelt, etc.)



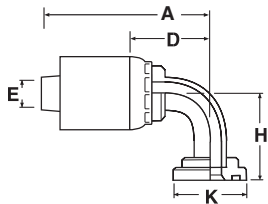
Z Series Part number	Nominal flange size	Flange head Dia. K Ø		Hose Size	A		Hose cut-off factor (D)		EØ	
		mm	in		mm	in	mm	in	mm	in
10Z-G09	5/8	34,2	1.35	-10	94,2	0.16	64,8	2.55	11,5	0.45

Metric split flange 45° tube elbow (Komatsu, Linkbelt, etc.)



Z Series Part number	Nominal flange size	Flange head Dia. K Ø		Hose size	A		Hose cut-off factor (D)		EØ		H
		mm	in		mm	in	mm	in	mm	in	
10Z-G69	5/8	34,2	1.35	-10	86,1	3.39	56,7	2.23	11,5	0.45	21,8 0.86

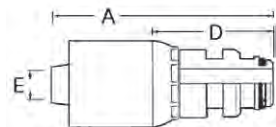
Metric split flange 90° tube elbow (Komatsu, Linkbelt, etc.)



Z Series Part number	Nominal flange size	Flange head Dia. K Ø		Hose size	A		Hose cut-off factor (D)		EØ		H
		mm	in		mm	in	mm	in	mm	in	
10Z-G99	5/8	34,2	1.35	-10	74,6	2.94	48,5	1.91	11,5	0.45	51,3 2.02

'Z' series

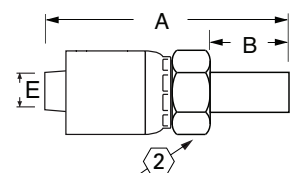
READY-LOK® male connector



Z Series Part number	Connect. size	Hose size	A		Hose cut-off factor (D)		EØ	
			mm	in	mm	in	mm	in
04Z-04S	1/4	-04	55,4	2.18	32,0	1.26	4,3	0.17
06Z-06S	3/8	-06	58,4	2.30	33,0	1.30	6,6	0.26
06Z-08S	1/2	-06	58,4	2.30	33,0	1.30	6,6	0.26
08Z-08S	1/2	-08	64,0	2.52	34,3	1.35	9,7	0.38
12Z-12S	3/4	-12	65,0	2.56	34,8	1.37	15,5	0.61
16Z-16S	1	-16	74,9	2.95	40,6	1.60	20,6	0.81

(O-ring and backup ring included.)

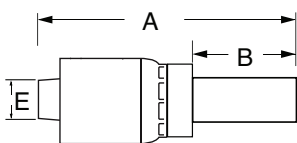
Standpipe straight tube



Z Series Part number	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		⊕	B	
			mm	in	mm	in	mm	in		mm	in
04Z-T04	1/4	-04	55,6	2.19	35,56	1.40	4,3	0.17	9/16	25,4	1.00
06Z-T06	3/8	-06	59,7	2.35	38,61	1.52	6,6	0.26	11/16	25,4	1.00
08Z-T08	1/2	-08	68,3	2.69	43,18	1.70	9,7	0.38	13/16	27,9	1.10
10Z-T10	5/8	-10	71,1	2.80	45,47	1.79	12,7	0.50	15/16	29,2	1.15
12Z-T12	3/4	-12	73,7	2.90	46,74	1.84	15,5	0.61	1 1/8	30,2	1.19
16Z-T16	1	-16	87,1	3.43	53,59	2.11	20,6	0.81	1 3/8	33,5	1.32

See page J-144 for Ermeto nuts and sleeves.

Metric standpipe straight tube



Z Series Part number	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		B	
			mm	in	mm	in	mm	in	mm	in
04Z-38T	8	-04	56,4	2.22	33,0	1.30	4,1	0.16	23	0.91
04Z-40T	10	-04	56,4	2.22	33,0	1.30	4,3	0.17	23	0.91
06Z-40T	10	-06	59,4	2.34	34,3	1.35	6,6	0.26	23	0.91
06Z-42T	12	-06	60,5	2.38	35,0	1.38	6,6	0.26	24	0.95
06Z-44T	14	-06	61,5	2.42	36,1	1.42	6,6	0.26	25	0.98
08Z-45T	15	-08	66,8	2.63	37,1	1.46	9,7	0.38	25	0.98
08Z-46T	16	-08	68,1	2.68	38,4	1.51	9,7	0.38	26	1.02
10Z-48T	18	-10	69,1	2.72	39,6	1.56	12,7	0.05	27	1.06
10Z-50T	20	-10	69,1	2.72	39,6	1.56	12,7	0.50	27	1.06
12Z-52T	22	-12	71,1	2.80	40,9	1.61	15,5	0.61	28	1.10
12Z-55T	25	-12	70,1	2.76	39,9	1.57	15,5	0.61	27	1.06
16Z-58T	28	-16	75,7	2.98	41,4	1.63	20,6	0.81	28	1.10
16Z-60T	30	-16	75,9	2.99	41,7	1.64	20,6	0.81	28	1.10

Please refer to Eaton's Walterscheid metric tube fittings catalog E-MEFI-MC002-E1 (or E-MEFI-MC001-M2 for the global version) for metric nuts and sleeves.

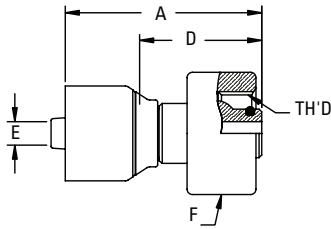
Crimp fittings

'Z' series

H

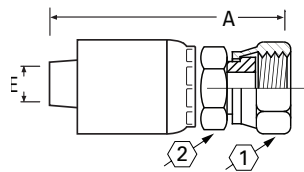
'Z' series

Pressure washer connection



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		F Dia.	
			mm	in	mm	in	mm	in	mm	in
04Z-6PW	M22x1.5	-04	55,4	2.18	35,3	1.39	4,2	0.17	34,9	1.38
06Z-6PW	M22x1.5	-06	56,1	2.21	34,9	1.38	6,7	0.26	34,9	1.38

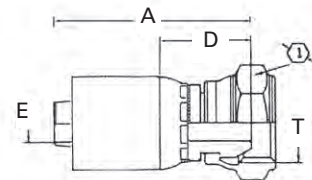
British Standard (BSPP) flat face female swivel



Z Series Part number	Thd.	Hose Size	A		Hose cut-off factor (D)		EØ		②	①
			mm	in	mm	in	mm	in	in	in
06Z-06PA	G 3/8-19	-06	57,2	2.25	36,7	1.42	6,6	0.26	11/16	3/4
06Z-08PA	G 1/2-14	-06	58,7	2.31	37,6	1.48	6,6	0.26	3/4	11/16
08Z-08PA	G 1/2-14	-08	66,8	2.63	41,7	1.64	9,2	0.36	13/16	11/16
08Z-12PA	G 3/4-14	-08	67,1	2.64	41,9	1.65	9,7	0.38	1	11/4
12Z-12PA	G 3/4-14	-12	71,1	2.80	44,2	1.74	15,5	0.61	11/8	11/4

* G as part of thread size is ISO Designation for parallel thread.

British Standard (BSPP) 60° cone female swivel straight

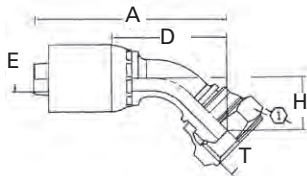


Z Series Part number	Thd. T	Hose Size	A		Hose cut-off factor (D)		EØ		①	
			mm	in	mm	in	mm	in	mm	in
04Z-354	G 1/4-19*	-04	42,3	1.66	18,9	0.74	4,2	0.16	19,0	0.75
04Z-356	G 3/8-19*	-04	45,5	1.79	22,1	0.87	4,3	0.17	22,0	0.87
06Z-356	G 3/8-19*	-06	46,4	1.83	21,1	0.83	6,7	0.26	22,0	0.87
06Z-358	G 1/2-14*	-06	47,9	1.88	22,6	0.89	6,7	0.26	27,0	1.06
08Z-358	G 1/2-14*	-08	53,5	2.11	23,8	0.94	9,6	0.38	27,0	1.06
08Z-360	G 5/8-14*	-08	56,4	2.22	26,7	1.05	9,6	0.38	30,0	1.18
10Z-360	G 5/8-14*	-10	54,1	2.13	24,7	0.97	12,7	0.50	30,0	1.18
12Z-362	G 3/4-14*	-12	55,5	2.18	25,3	1.00	15,5	0.61	32,0	1.26
16Z-366	G 1-11*	-16	62,0	2.44	27,6	1.09	20,7	0.81	41,0	1.61
20Z-370	G 11/4-11*	-20	73,6	2.90	29,6	1.16	26,6	1.05	50,0	1.97

* G as part of thread size is ISO Designation for parallel thread.

'Z' series

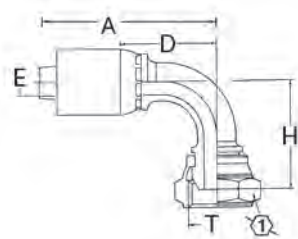
British Standard (BSPP) 60° cone female 45° tube elbow



Z Series Part #	Thd. T	Hose size	A		Hose cut-off factor (D)		EØ		H		①	
			mm	in	mm	in	mm	in	mm	in	mm	in
04Z-44P	G 1/4-19*	-04	65,3	2.57	41,9	1.65	4,2	0.16	16,5	0.65	19,0	0.75
06Z-46P	G 3/8-19*	-06	73,8	2.90	48,5	1.91	6,7	0.26	19,0	0.75	22,0	0.87
08Z-48P	G 1/2-14*	-08	91,5	3.60	61,8	2.43	9,6	0.38	24,8	0.98	27,0	1.06
10Z-50P	G 5/8-14*	-10	100,4	3.95	71,0	2.79	12,7	0.50	27,4	1.08	30,0	1.18
12Z-52P	G 3/4-14*	-12	108,8	4.28	78,6	3.09	15,5	0.61	29,4	1.16	32,0	1.26
16Z-56P	G 1-11*	-16	126,8	4.99	92,4	3.09	20,7	0.81	33,2	1.31	41,0	1.61
20Z-60P	G 1 1/4-11*	-20	153,6	6.05	109,6	4.31	26,6	1.05	37,2	1.46	50,0	1.97

* G as part of thread size is ISO Designation for parallel thread.

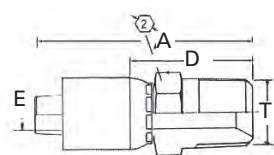
British Standard (BSPP) 60° cone female 90° tube elbow



Z Series Part #	Thd. T	Hose size	A		Hose cut-off factor (D)		EØ		H		①	
			mm	in	mm	in	mm	in	mm	in	mm	in
04Z-74P	G 1/4-19*	-04	45,8	1.80	22,4	0.88	4,2	0.16	24,8	0.98	17,0	0.67
06Z-76P	G 3/8-19*	-06	58,9	2.32	33,6	1.32	6,7	0.26	35,0	1.38	22,0	0.87
06Z-78P	G 1/2-14*	-06	75,7	2.98	50,4	1.98	6,7	0.26	47,8	1.88	27,0	1.06
08Z-78P	G 1/2-14*	-08	64,0	2.52	34,3	1.35	9,6	0.38	37,6	1.48	27,0	1.06
08Z-80P	G 5/8-14*	-08	90,7	3.57	61,0	2.40	9,6	0.38	56,3	2.22	27,0	1.06
10Z-80P	G 5/8-14*	-10	90,6	3.57	61,2	1.41	12,7	0.50	56,3	2.22	27,0	1.06
12Z-82P	G 3/4-14*	-12	82,2	3.24	52,0	2.05	15,5	0.61	47,5	1.87	32,0	1.26
16Z-86P	G 1-11*	-16	118,2	4.65	83,8	3.30	20,7	0.81	71,5	2.81	41,0	1.61
20Z-90P	G 1 1/4-11*	-20	146,2	5.75	102,2	4.02	26,6	1.05	82,5	3.25	50,0	1.97

* G as part of thread size is ISO Designation for parallel thread.

British Standard (BSPT) tapered male rigid



Z Series Part #	Thd. T	Hose size	A		Hose cut-off factor (D)		EØ		②	
			mm	in	mm	in	mm	in	mm	in
04Z-154	R 1/4-19*	-04	50,6	1.99	27,2	1.07	4,2	0.16	14,0	0.55
06Z-156	R 3/8-19*	-06	54,9	2.16	29,6	1.16	6,7	0.26	19,0	0.75
08Z-158	R 1/2-14*	-08	66,2	2.61	36,5	1.44	9,6	0.38	22,0	0.87
12Z-162	R 3/4-14*	-12	71,1	2.80	40,9	1.61	15,5	0.61	30,0	1.18
16Z-166	R 1-11*	-16	81,2	3.20	46,8	1.84	20,7	0.81	36,0	1.42
20Z-170	R 1 1/4-11*	-20	96,2	3.79	52,2	2.05	26,6	1.05	46,0	1.81

* R as part of thread size is ISO Designation for tapered thread.

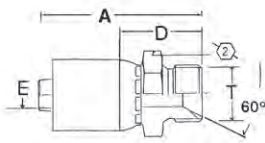
Crimp fittings

'Z' series

H

'Z' series

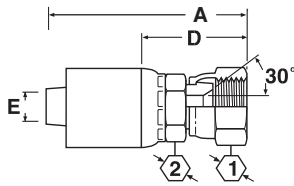
British Standard (BSPP)
60° cone male rigid



Z Series Part number	Thd. T	Hose size	A		Hose cut-off factor (D)		EØ		②	
			mm	in	mm	in	mm	in	mm	in
04Z-P54	G 1/4-19*	-04	44,3	1.74	20,9	0.82	4,2	0.16	19,0	0.75
06Z-P56	G 3/8-19*	-06	48,4	1.90	23,1	0.91	6,7	0.26	22,0	0.87
08Z-P56	G 3/8-19*	-08	55,9	2.20	26,4	1.04	9,6	0.38	22,0	0.87
06Z-P58	G 1/2-14*	-06	52,4	2.06	27,1	1.07	6,7	0.26	27,0	1.06
08Z-P58	G 1/2-14*	-08	58,0	2.28	28,3	1.11	9,6	0.38	27,0	1.06
10Z-P60	G 5/8-14*	-10	62,0	2.44	35,5	1.25	12,7	0.50	30,0	1.18
12Z-P62	G 3/4-14*	-12	63,1	2.48	32,9	1.29	15,5	0.61	32,0	1.26
16Z-P66	G 1-11*	-16	70,9	2.79	36,5	1.44	20,7	0.81	41,0	1.61
20Z-P67	G 1 1/4-11*	-20	86,1	3.39	42,2	1.66	26,6	1.50	50,0	1.97

* G as part of thread size is ISO Designation for parallel thread.

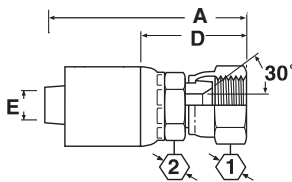
Female JIS 30° flare
swivel straight



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		①		②	
			mm	in	mm	in	mm	in	mm	in	mm	in
04Z-04L	G 1/4-19*	-04	53,2	2.09	29,8	1.17	4,2	0.16	19,0	0.75	19,0	0.75
06Z-06L	G 3/8-19*	-06	59,2	2.33	33,9	1.33	6,7	0.26	22,0	0.87	22,0	0.87
08Z-08L	G 1/2-14*	-08	66,3	2.61	36,6	1.44	9,6	0.38	27,0	1.06	27,0	1.06
10Z-12L	G 3/4-14*	-10	70,6	2.78	45,2	1.78	12,7	0.50	32,0	1.26	36,0	1.42
12Z-12L	G 3/4-14*	-12	73,3	2.88	43,1	1.70	15,5	0.61	32,0	1.26	36,0	1.42
16Z-16L	G 1-11*	-16	83,6	3.29	49,2	1.94	20,7	0.81	41,0	1.61	41,0	1.61
20Z-20L	G 1 1/4-11*	-20	102,1	4.02	58,1	2.29	26,6	1.05	50,0	1.97	46,0	1.81

* G as part of thread size is ISO Designation for parallel thread.

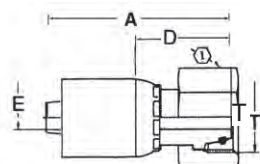
Female swivel
30° flare
(Komatsu, Linkbelt)



Z Series Part number	Thd.	Hose size	A		Hose cut-off factor (D)		EØ		①		②	
			mm	in	mm	in	mm	in	mm	in	mm	in
04Z-14K	M14 x 1.5	-04	56,1	2.21	32,7	1.29	42,2	1.66	19,0	0.75	19,0	0.75
06Z-18K	M18 x 1.5	-06	60,4	2.38	35,1	1.38	6,7	0.26	24,0	0.94	22,0	0.87
08Z-22K	M22 x 1.5	-08	69,5	2.74	39,8	1.57	9,6	0.38	27,0	1.06	27,0	1.06
10Z-24K	M24 x 1.5	-10	75,4	2.97	46,0	1.81	12,4	0.49	32,0	1.26	30,0	1.18
12Z-30K	M30 x 1.5	-12	81,5	3.21	51,3	2.02	15,5	0.61	36,0	1.42	36,0	1.42
16Z-33K	M33 x 1.5	-16	91,4	3.60	57,0	2.24	20,7	0.81	41,0	1.61	41,0	1.61

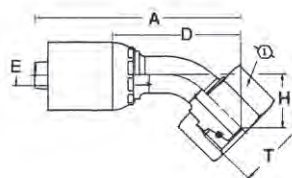
'Z' series

Female swivel DIN 24° seat
I. Rh. DKO (Light)



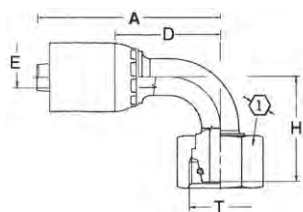
Z Series Part number	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		1	
				mm	in	mm	in	mm	in	mm	in
04Z-06C	M12 x 1.5	6	-04	48,0	1.89	24,6	0.97	4,2	0.16	17,0	0.67
04Z-08C	M14 x 1.5	8	-04	46,0	1.81	22,6	0.89	4,2	0.16	17,0	0.67
04Z-10C	M16 x 1.5	10	-04	48,3	1.90	24,9	0.98	4,3	0.17	19,0	0.75
06Z-10C	M16 x 1.5	10	-06	56,9	2.24	31,6	1.24	6,7	0.26	19,0	0.75
06Z-12C	M18 x 1.5	12	-06	51,2	2.01	25,9	1.02	6,7	0.26	22,0	0.87
08Z-15C	M22 x 1.5	15	-08	58,3	2.29	28,6	1.12	9,6	0.38	27,0	1.06
10Z-18C	M26 x 1.5	18	-10	59,2	2.33	29,8	1.17	12,7	0.50	32,0	1.26
12Z-22C	M30 x 2.0	22	-12	62,5	2.46	32,3	1.27	15,5	0.61	36,0	1.42
16Z-28C	M36 x 2.0	28	-16	68,2	2.68	33,8	1.33	20,7	0.81	41,0	1.61
20Z-35C	M45 x 2.0	35	-20	83,7	3.29	39,7	1.56	26,6	1.05	50,0	1.97

Female swivel DIN 24° seat
45° tube elbow
I. Rh. (Light)



Z Series Part #	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		H		1	
				mm	in	mm	in	mm	in	mm	in	mm	in
04Z-08D	M14 X 1.5	8	-04	6,2	2.46	3,9	1.54	0,4	0.17	17,5	0.69	17,0	0.67
04Z-10D	M16 X 1.5	10	-04	6,5	2.55	4,1	1.63	0,4	0.17	18,4	0.72	19,0	0.75
06Z-10D	M16 X 1.5	10	-06	6,7	2.63	4,1	1.63	0,7	0.26	19,0	0.75	19,0	0.75
06Z-12D	M18 X 1.5	12	-06	7,0	2.76	4,5	1.76	0,7	0.26	17,6	0.69	22,0	0.87
08Z-15D	M22 X 1.5	15	-08	8,3	3.27	5,3	2.10	1,0	0.38	20,5	0.81	27,0	1.06
10Z-18D	M26 X 1.5	18	-10	9,1	3.59	6,2	2.44	1,3	0.50	22,0	0.87	32,0	1.26
12Z-22D	M30 X 2.0	22	-12	10,1	3.97	7,1	2.78	1,5	0.61	24,3	0.96	36,0	1.42
16Z-28D	M36 X 2.0	28	-16	10,3	4.06	6,9	2.70	2,1	0.81	26,6	1.05	41,0	1.61

Female swivel DIN 24° seat
90° tube elbow
I. Rh. (Light)



Z Series Part #	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		H		1	
				mm	in	mm	in	mm	in	mm	in	mm	in
04Z-58D	M14 x 1.5	8	-04	51,1	2.01	27,7	1.09	4,3	0.17	31,5	1.24	17,0	0.67
04Z-60D	M16 x 1.5	10	-04	55,4	2.18	32,0	1.26	4,3	0.17	35,5	1.40	19,0	0.75
06Z-60D	M16 x 1.5	10	-06	58,4	2.30	33,5	1.32	6,6	0.26	33,5	1.32	19,0	0.75
06Z-62D	M18 x 1.5	12	-06	59,7	2.35	34,5	1.36	6,6	0.26	34,2	1.35	22,0	0.87
08Z-65D	M22 x 1.5	15	-08	75,2	2.96	45,7	1.80	9,7	0.38	40,0	1.57	27,0	1.06
10Z-68D	M26 x 1.5	18	-10	86,4	3.40	56,9	2.24	12,7	0.50	46,5	1.83	32,0	1.26
12Z-72D	M30 x 2.0	22	-12	92,5	3.64	62,2	2.45	15,5	0.61	50,7	2.00	36,0	1.42
16Z-78D	M36 x 2.0	28	-16	100,1	3.94	65,5	2.58	20,6	0.81	61,0	2.40	41,0	1.61
20Z-85D	M45 x 2.0	35	-20	130,0	5.12	86,1	3.39	26,7	1.05	79,0	3.11	50,0	1.97

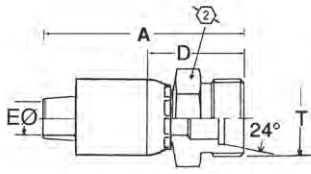
Crimp fittings

'Z' series

H

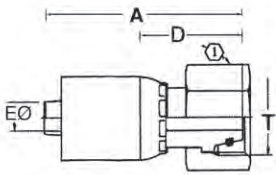
'Z' series

Male DIN 24° seat
l.Rh (Light)



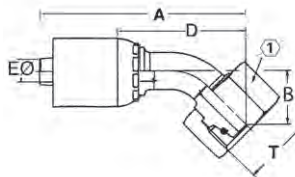
Z Series Part number	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		②	
				mm	in	mm	in	mm	in	mm	in
04Z-06A	M12 x 1.5	6	-04	44,7	1.76	21,3	0.84	4,2	0.16	12,0	0.47
04Z-08A	M14 x 1.5	8	-04	44,5	1.75	21,1	0.83	4,2	0.16	14,0	0.55
04Z-10A	M16 X 1.5	10	-04	46,0	1.81	22,6	0.89	4,3	0.17	17,0	0.67
06Z-10A	M16 x 1.5	10	-06	52,0	2.05	26,7	1.05	6,7	0.26	17,0	0.67
06Z-12A	M18 x 1.5	12	-06	49,0	1.93	23,7	0.93	6,7	0.26	19,0	0.75
08Z-15A	M22 x 1.5	15	-08	56,0	2.20	26,3	1.03	9,6	0.38	24,0	0.94
10Z-18A	M26 x 1.5	18	-10	56,0	2.20	26,6	1.05	12,7	0.50	27,0	1.06
12Z-22A	M30 x 2.0	22	-12	62,0	2.44	31,8	1.25	15,5	0.61	32,0	1.26
16Z-28A	M36 x 2.0	28	-16	66,0	2.60	31,6	1.24	20,7	0.81	41,0	1.61
20Z-35A	M45 x 2.0	35	-20	79,4	3.12	35,4	1.39	26,6	1.05	46,0	1.81

Female swivel DIN 24° seat
s.Rh DKO (Heavy)



Z Series Part number	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		①	
				mm	in	mm	in	mm	in	mm	in
04Z-58C	M16 x 1.5	8	-04	49,6	1.95	26,2	1.03	4,2	0.16	19,0	0.75
04Z-60C	M18 x 1.5	10	-04	50,8	2.00	27,4	1.08	4,2	0.16	22,0	0.87
04Z-62C	M20 X 1.5	12	-04	50,8	2.00	27,4	1.08	4,3	0.17	24,0	0.94
06Z-60C	M18 X 1.5	10	-06	52,8	2.08	27,7	1.09	6,6	0.26	27,0	1.06
06Z-62C	M20 x 1.5	12	-06	53,8	2.12	28,5	1.12	6,7	0.26	24,0	0.94
06Z-64C	M22 x 1.5	14	-06	56,9	2.24	31,6	1.24	6,7	0.26	27,0	1.06
08Z-64C	M22 x 1.5	14	-08	55,2	2.17	25,5	1.00	9,6	0.38	27,0	1.06
08Z-66C	M24 x 1.5	16	-08	62,4	2.46	32,7	1.29	9,6	0.38	30,0	1.18
10Z-70C	M30 x 2.0	20	-10	66,9	2.63	37,5	1.48	12,7	0.50	36,0	1.42
12Z-75C	M36 x 2.0	25	-12	72,0	2.83	41,8	1.64	15,5	0.61	46,0	1.81
12Z-70C	M30 X 2.0	20	-12	60,2	2.37	30,2	1.19	14,0	0.55	36,0	1.42
16Z-80C	M42 x 2.0	30	-16	78,5	3.09	44,1	1.44	20,7	0.81	50,0	1.97
20Z-88C	M52 X 2.0	38	-20	93,7	3.69	49,8	1.96	26,6	1.05	60,0	2,36

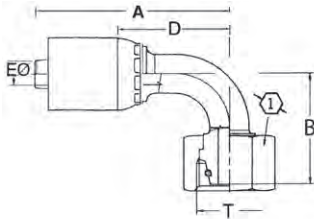
Female swivel DIN 24° seat 45° tube elbow
s.Rh (Heavy)



Z Series Part number	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		H		①	
				mm	in	mm	in	mm	in	mm	in	mm	in
04Z-08E	M16 x 1.5	8	-04	56,4	2.22	33,0	1.30	4,2	0.16	15,0	0.59	19,0	0.75
04Z-10E	M18 x 1.5	10	-04	61,4	2.42	38,0	1.50	4,2	0.16	17,0	0.67	22,0	0.87
06Z-12E	M20 x 1.5	12	-06	68,3	2.69	43,0	1.69	6,7	0.26	19,0	0.75	24,0	0.94
06Z-14E	M22 x 1.5	14	-06	68,8	2.71	43,5	1.71	6,7	0.26	20,0	0.79	27,0	1.06
08Z-16E	M24 x 1.5	16	-08	79,7	3.14	50,0	1.97	9,6	0.38	23,0	0.90	30,0	1.18
10Z-20E	M30 x 2.0	20	-10	89,3	3.51	59,9	2.36	12,7	0.50	26,0	1.02	36,0	1.42
12Z-25E	M36 x 2.0	25	-12	107,4	4.23	77,2	3.04	15,5	0.61	32,5	1.28	46,0	1.81
16Z-30E	M42 x 2.0	30	-16	121,4	4.78	87,0	3.42	20,7	0.81	37,5	1.48	55,0	2.16

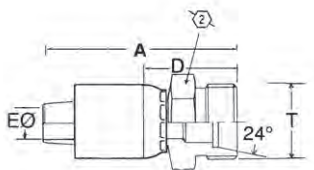
'Z' series

**Female swivel
DIN 24° seat 90° tube elbow**
s.Rh DKO (Heavy)



Z Series Part number	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		H		①	
				mm	in	mm	in	mm	in	mm	in	mm	in
04Z-58E	M16 x 1.5	8	-04	54,0	2.13	30,6	1.20	4,2	0.16	28,6	1.13	19,0	0.75
04Z-60E	M18 x 1.5	10	-04	54,5	2.14	31,0	1.22	4,2	0.16	33,5	1.32	22,0	0.87
06Z-60E	M18 x 1.5	10	-06	63,9	2.52	38,6	1.52	6,7	0.26	33,5	1.32	22,0	0.87
06Z-62E	M20 x 1.5	12	-06	60,3	2.37	35,0	1.38	6,7	0.26	35,0	1.38	24,0	0.94
06Z-64E	M22 x 1.5	14	-06	63,8	2.51	38,5	1.51	6,7	0.26	42,0	1.65	27,0	1.06
08Z-66E	M24 x 1.5	16	-08	73,7	2.90	44,0	1.73	9,6	0.38	49,0	1.93	30,0	1.18
10Z-70E	M30 x 2.0	20	-10	82,0	3.23	52,6	2.07	12,7	0.50	53,5	2.11	36,0	1.42
12Z-75E	M36 x 2.0	25	-12	93,0	3.66	62,8	2.47	15,5	0.61	64,5	2.54	46,0	1.81
16Z-80E	M42 x 2.0	30	-16	104,0	4.09	69,6	2.74	20,7	0.81	74,0	2.91	50,0	1.97

Male DIN 24° seat
s.Rh (Heavy)



Z Series Part number	Thd. T	Tube O.D.	Hose size	A		Hose cut-off factor (D)		EØ		②	
				mm	in	mm	in	mm	in	mm	in
04Z-08F	M16 x 1.5	8	-04	47,5	1.87	24,1	0.95	4,2	0.16	17,0	0.67
04Z-10F	M18 x 1.5	10	-04	40,7	1.60	23,6	0.93	4,2	0.16	19,0	0.75
06Z-10F	M18 X 1.5	10	-06	49,5	1.95	24,1	0.95	6,7	0.26	19,0	0.75
06Z-12F	M20 x 1.5	12	-06	50,3	1.98	25,0	0.98	6,7	0.26	22,0	0.87
06Z-14F	M22 x 1.5	14	-06	52,6	2.07	27,3	1.07	6,7	0.26	24,0	0.94
08Z-16F	M24 x 1.5	16	-08	58,0	2.28	28,3	1.11	9,6	0.38	27,0	1.06
10Z-20F	M30 x 2.0	20	-10	62,0	2.44	32,6	1.28	12,7	0.50	32,0	1.26
12Z-20F	M30 X 2.0	20	-12	57,7	2.27	30,7	1.21	15,5	0.61	32,0	1.26
12Z-25F	M36 x 2.0	25	-12	65,5	2.58	35,3	1.39	15,5	0.61	41,0	1.61
16Z-30F	M42 x 2.0	30	-16	72,3	2.85	37,9	1.49	20,7	0.81	46,0	1.81

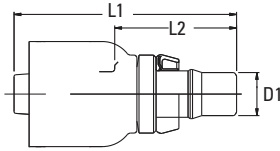
Crimp fittings

'Z' series

H

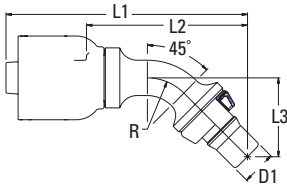
'Z' series

STC male straight



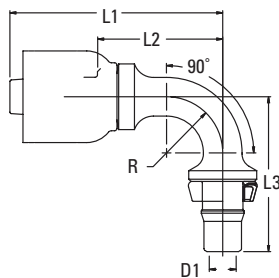
Z Series Part number	D1		L1		L2	
	mm	in	mm	in	mm	in
04Z-BC06	4,2	0.17	52,4	2.06	29,0	1.14
06Z-BC06	6,7	0.26	55,5	2.19	30,2	1.19
06Z-BC08	6,7	0.26	60,6	2.39	35,4	1.39
08Z-BC08	9,6	0.38	66,3	2.61	36,6	1.44
10Z-BC10	12,8	0.50	69,0	2.72	39,6	1.56
12Z-BC12	15,5	0.61	74,6	2.94	44,4	1.75
16Z-BC16	0,7	0.82	83,7	3.30	49,3	1.94

STC male 45° tube elbow



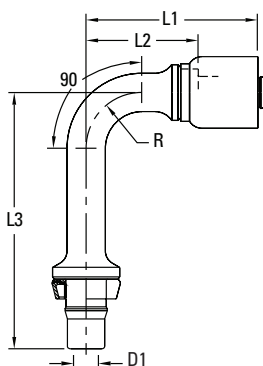
Z Series Part number	D1		L1		L2		L3		R	
	mm	in	mm	in	mm	in	mm	in	mm	in
04Z-BC46	4,2	0.17	69,8	2.75	46,4	1.83	22,2	0.86	14,0	0.55
06Z-BC46	6,7	0.26	72,9	2.87	47,6	1.87	22,2	0.87	14,0	0.55
08Z-BC48	8,8	0.35	89,9	3.54	60,2	2.37	29,6	1.17	19,0	0.75
10Z-BC50	11,5	0.45	97,8	3.85	68,4	2.69	33,6	1.32	22,0	0.87
12Z-BC52	13,9	0.55	110,2	4.34	80,0	3.15	40,7	1.60	31,0	1.22

STC male 90° tube elbow



Z Series Part number	D1		L1		L2		L3		R	
	mm	in	mm	in	mm	in	mm	in	mm	in
06Z-BC66	6,7	0.26	59,3	2.33	34,0	1.34	39,6	1.56	14,0	0.55
06Z-BC68	6,7	0.26	66,4	2.61	41,1	1.62	53,0	2.09	19,0	0.75
08Z-BC68	8,8	0.35	72,0	2.83	42,3	1.67	53,0	2.09	19,0	0.75
10Z-BC70	11,5	0.45	77,9	3.07	48,5	1.91	60,4	2.36	22,0	0.87
12Z-BC72	13,9	0.55	88,7	3.49	58,5	2.30	75,7	2.98	31,0	1.22
16Z-BC76	19,9	0.78	107,3	4.22	72,9	2.87	90,0	3.54	38,0	1.50

STC male 90° long drop elbow



Z Series Part number	D1		L1		L2		L3		R	
	mm	in	mm	in	mm	in	mm	in	mm	in
06Z-BC86	6,4	0.25	59,3	2.33	34,0	1.34	70,6	2.78	14,0	0.55
08Z-BC88	9,1	0.36	72,0	2.84	42,3	1.67	88,1	3.46	19,0	0.75
12Z-BC92	13,9	0.55	88,7	3.49	58,5	2.30	123,7	4.87	31,0	1.22

How to order 4S/6S fittings

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

Eaton

14615 Lone Oak Rd.
Eden Prairie, MN 55344
1-952-937-9800
1-888-258-0222
Fax: 952-974-7722
www.eaton.com/hydraulics

Part numbers and dash sizes

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

Dimensions

Dimensions given in this catalog for Eaton 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 pressure 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.

Label Set - FF91420



Warning

Hose assemblies

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 or exceed 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 connecting end performance rating in mind since this may affect overall hose assembly performance. Hose assembly components (hose and fittings) are easily assembled in the field. However, factory assembled reusable and crimped hose assemblies are available. For complete information, contact Eaton.

Socket data

Markings on crimp fittings

Use of correct Eaton fitting with a given Eaton hose is essential for proper assembly and performance. All Eaton 4S/6S fittings are marked with the product group, 4S or 6S, and the dash size.

Global identification marking

Global non-skive fitting sockets for four-spiral and six-spiral hose in all sizes have four or six rings plus a scribe mark and either 4S-size or 6S-size etched on the socket. Global hose fittings are identified with an Eaton trademark and the hose dash size. In addition, global sockets are identified with the following:

Identification marking	Fitting style	Hose/Socket description
4 rings 1 scribe mark and 4S socket 4S-(size)	Spiral non-skive	Four spiral wire hose
6 rings 1 scribe mark and 6S socket 6S-(size)	Spiral non-skive	Six spiral wire hose

4S Fitting



4S Socket



6S Fitting



6S Socket



Weatherhead catalog hose fitting size reference

Example

SAE JIC/37° Female Swivel – Straight for “4S” series

- Eaton global fitting part # 4SA12FJ16 (must order part using this part #)
- Weatherhead size reference # 16-612 (for reference only – cannot order part using this number)
 - Hose size: -16
 - Fitting terminal end size & type: -612

View of fitting section in catalog:

4SA12FJ16 (16-612)

Example

SAE Code 61 Flange – Straight for “6S” series

- Eaton global fitting part # 6S32FL24 (must order part using this part #)
- Weatherhead size reference # 24-G32 (for reference only – cannot order part using this number)
 - Hose size: -24
 - Fitting terminal end size & type: -G32

View of fitting section in catalog:

6S32FL24 (24-G32)

Crimp fittings

Spiral hose fittings
(4S/6S Series)

H Eaton's 4S/6S hose fitting part numbering system

Global crimp nipples/fittings

Complete nipple part number: **4S A 12 FJ A 16** _____

Product Group _____

- 4S = Spiral non-skive fitting part number for four-spiral hose
- 6S = Spiral non-skive fitting part number for six-spiral hose

Material stock code _____

- A = inch hex stock or metric equivalent

Terminal end connection size* _____

Terminal end connection code _____

- BF = BSP Female Swivel (1 Hex)
- BP = BSP Male Parallel
- BT = BSP Male Tapered
- CT = CAT Flange
- DK = 24° Male (light duty)
- DL = DKO Female Swivel (light duty)
- DS = DKO Female Swivel (heavy duty)
- EK = 24° Male (heavy duty)
- FH = SAE Code 62 Flange
- FJ = SAE JIC 37° Female Swivel
- FL = SAE Code 61 Flange
- FR = ORS Female Swivel
- FS = SAE 45° Flare Female Swivel
- JF = JIS Female Swivel
- JM = BSP Female Swivel (2 Hexes)
- KF = Komatsu Female Swivel
- KS = Komatsu Split Flange
- MB = Male O-Ring Boss (ORB)
- MF = Male Inverted Flare
- MJ = SAE JIC 37° Male Rigid
- MP = Male Pipe Rigid
- MR = ORS Male
- PF = Female Pipe Swivel
- PS = Male Pipe Swivel

Terminal end connecting configuration _____

If nipple has a straight configuration, then this position collapses

A = 45°	D = 22 1/2°	H = 110°
B = 90°, standard	E = 67 1/2°	
	or short drop	F = 30°
C = 90° long drop	G = 60°	

Hose size* _____

Material designation _____

- C = stainless steel, if fitting is zinc plated carbon steel (standard), this position collapses.

* When ordering sizes 3, 4, 5, 6 and 8 the part number requires only single digits

Hose fitting pressure chart for 4S/6S fittings only

Thread style pressure performance

Eaton closely follows industry standards in design and in application recommendations. A key principle within ISO, SAE and other standards bodies is that the **MAXIMUM WORKING PRESSURE OF THE HOSE OR ADAPTER ASSEMBLY IS THE LESSER OF THE HOSE AND END**

CONNECTOR(S) USED. The first table below provides excerpts from standard Industry pressure rating charts for connector types as Published by SAE (Society of Automotive Engineers.)

Note: The tables below are applicable for low carbon free machining steels typically used in Fluid Power connections. For port type connections, the material and design of the port must be considered and may reduce expected strength. For high pressure applications Eaton recommends the use of more robust connector designs such as Code 62 flange or O-Ring face seal (ORS).

Selected SAE pressure ratings

Dash size	Inch size	37° JIC SAE J514	Pipe SAE J476	Male ORB SAE J1926 ORS adapt.	Male ORB SAE J1926 non-ORS adapt.	Adjustable ORB SAE J1926 ORS adapt.	Adjustable ORB SAE J1926 non-ORS adapt.	ORS SAEJ1453	Male flareless SAE J514	Code 61 SAE J518	Code 62 SAE J518
-6	3/8	4000	4000	9000	5000	6000	4000	9000	4000	-	-
-8	1/2	4000	3000	9000	4500	6000	4000	9000	4000	5000	6000
-10	5/8	3000	-	9000	3500	6000	3000	6000	3000	-	-
-12	3/4	3000	2500	6000	3500	6000	3000	6000	3000	5000	6000
-14	7/8	2500	-	6000	3000	6000	2500	6000	2500	-	-
-16	1	2500	2000	6000	3000	5000	2500	6000	2500	5000	6000
-20	1 1/4	2000	1150	4000	2500	4000	2000	3600	2000	4000	6000
-24	1 1/2	1500	1000	4000	2500	3000	2000	3600	1500	3000	6000
-32	2	1125	1000	3000	2000	2500	1500	3000	1125	3000	6000

International pressure rating charts

Maximum working pressure (PSI)

Hose fitting connection	Hose fitting size									
	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32
Male British Pipe (BSP)	5000	-	4000	4000	3500	4000	3500	2500	2,000	2000
Female British Pipe (BSP)	5000	-	4000	4000	3500	4000	3500	2500	2,000	2000
Female Pipe (JIS)	5000	-	5000	5000	-	4000	4000	-	-	-

Maximum working pressure (PSI)

Hose fitting Connection	Hose fitting size									
	-06	-08	-10	-12	-15	-18	-22	-28	-35	-42
DIN light	3625	3625	3625	3625	3625	2325	2325	1450	1450	1450

Crimp fittings

Spiral hose fittings
(4S/6S Series)

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Hose fitting pressure chart for 4S/6S fittings only

All Eaton components

With higher pressures it is critical to know the construction materials and manufacturing method to ensure performance. When all components in a system are Eaton supplied, for example an Eaton hose fitting is mated with an Eaton adapter or tube fitting, the combination may be used at higher pressures with confidence. These higher ratings are noted in the chart below.

MAXIMUM WORKING PRESSURE OF THE HOSE OR ADAPTER ASSEMBLY IS THE LESSER OF THE HOSE AND END CONNECTOR(S) USED.

All Eaton pressure ratings

Dash size	Inch size	37° JIC	Male pipe	Female pipe	Male ORB ORS adapter	Male ORB non-ORS adapter	Adjustable ORB ORS adapter	Adjustable ORB non-ORS adapter	ORB	Male flareless	Code 61	Code 62	STC
-6	3/8	5000	8000	4000	9000	5000	6000	4000	9000	4000	-	-	5000
-8	1/2	4000	6000	4000	9000	4500	6000	4000	9000	4000	5000	6000	4250
-10	5/8	3800	-	-	9000	3500	6000	3000	9000	3000	-	-	4000
-12	3/4	5000	5000	3500	6000	3500	6000	3000	6000	3000	5000	6000	4000
-14	7/8	5000	-	-	6000	3000	6000	2500	-	2500	-	-	-
-16	1	5000	4000	3000	6000	3000	5000	2500	6000	2500	5000	6000	4000
-20	1 1/4	5000	3000	2000	4000	2500	4000	2000	4500	2000	4000	6000	-
-24	1 1/2	2100	2000	1500	4000	2500	3000	2000	4000	1500	3000	6000	-
-32	2	1750	2000	1500	3000	2000	2500	1500	3000	1125	3000	6000	-

1) These ratings are based on both brazed and one piece construction, one-piece pressures could be increased. Please contact Eaton in these situations.

2) This rating is for thin walled adapters or fittings, the use of manifolds or oversized female ports would allow full rated male pressures.

Note:

- Eaton fittings are tested to industry standards and beyond to insure a long life. All assemblies listed in the All "Eaton Pressure Ratings" table have passed impulse testing at 133% of operating pressure up to 1 million cycles and meet a 4:1 burst pressure.
- When assembled with all Eaton components, all SAE 37° JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed in the table above and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst. The 45° and 90° elbow configurations in the -12 size meet a 3.2:1 burst the 45° and 90° elbow configurations in the -16 size achieve a 2.8:1 burst; the 45° and 90° elbow configurations in the -20 size meet a 4:1 burst and the 45° and 90° elbow configurations in the -24 size meet a 2.4:1 burst.

Design and Application

Eaton's Fluid Conveyance engineering and support teams have many decades of experience in designing, manufacturing and servicing hydraulic and other fluid conveyance systems globally. Eaton's product line is designed as a comprehensive collection of hose, fittings, connectors, couplings and accessories that allow a system designer to select components to complete a fluid power system or a service technician to replace a component with confidence. The individual

product specifications, the above pressure ratings and other technical information are intended as supporting guidelines for system design and service needs and are not to be construed as a guarantee of performance of the system or of individual Eaton components. Eaton provides comprehensive technical support so please call with questions about pressure needs not covered by these charts or for specific application support.

4S/6S Fitting series

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

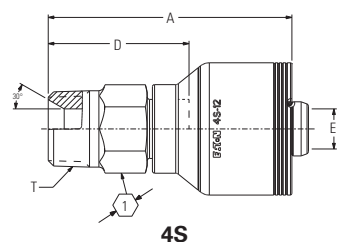
6S Fittings

For use with hoses:

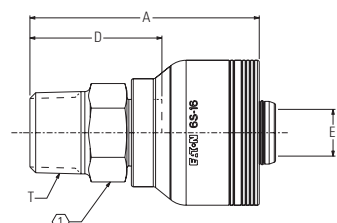
H471-32;
EC600-20;
EC810-20,-24,-32

Male Pipe NPTF - Rigid (MP)


Straight



4S



6S

Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	
4SA4MP6 (06-104)	-4	10	-6	1/4-18	51,4	2.02	30,1	1.18	6,7	0.26	11/16
4SA6MP6 (06-106)	-6	10	-6	3/8-18	55,0	2.17	32,2	1.27	6,7	0.26	11/16
4SA8MP6 (06-108)	-8	10	-6	1/2-14	53,7	2.11	32,4	1.28	6,7	0.26	7/8
4SA4MP8	-4	12	-8	1/4-18	58,5	2.30	31,3	1.23	7,7	0.30	13/16
4SA6MP8	-6	12	-8	3/8-18	60,8	2.39	33,6	1.32	9,6	0.38	13/16
4SA8MP8 (08-108)	-8	12	-8	1/2-14	71,0	2.80	40,6	1.60	9,6	0.38	7/8
4SA12MP8 (08-112)	-12	12	-8	3/4-14	62,6	2.46	35,4	1.39	9,6	0.38	1 1/16
4SA8MP10 (10-108)	-8	16	-10	1/2-14	66,2	2.61	40,1	1.58	12,8	0.50	15/16
4SA12MP10 (10-112)	-12	16	-10	3/4-14	61,7	2.43	35,6	1.40	12,8	0.50	1 1/16
4SA8MP12 (12-108)	-8	19	-12	1/2-14	84,6	3.33	48,4	1.90	14,2	0.56	7/8
4SA12MP12 (12-112)	-12	19	-12	3/4-14	85,9	3.38	49,6	1.95	14,2	0.56	1 1/16
4SA16MP12 (12-116)	-16	19	-12	1-11 1/2	84,8	3.34	48,6	1.91	14,2	0.56	1 3/8
4SA12MP16 (16-112)	-12	25	-16	3/4-14	89,1	3.51	49,2	1.94	19,2	0.75	1 3/8
4SA16MP16 (16-116)	-16	25	-16	1-11 1/2	94,0	3.70	54,1	2.13	19,2	0.75	1 3/8
4SA20MP16 (16-120)	-20	25	-16	1 1/4-11 1/2	90,4	3.56	50,5	1.99	19,2	0.75	1 11/16
4SA16MP20 (20-116)	-16	31	-20	1-11 1/2	107,6	4.24	52,5	2.07	25,2	0.99	1 7/16
4SA20MP20 (20-120)	-20	31	-20	1 1/4-11 1/2	119,6	4.71	64,4	2.54	25,2	0.99	1 11/16
4SA24MP24 (24-124)	-24	38	-24	1 1/2-11 1/2	143,2	5.64	65,2	2.57	31,1	1.22	2
4SA32MP32 (32-132)	-32	51	-32	2-11 1/2	150,1	5.91	72,1	2.84	42,1	1.66	2 1/2
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	in
6SA20MP20 (20-120)	-20	31	-20	1 1/4-11 1/2	120,4	4.74	64,4	2.54	25,2	0.99	1 11/16
6SA24MP24 (24-124)	-24	38	-24	1 1/2-11 1/2	143,2	5.64	65,2	2.57	31,1	1.22	2
6SA32MP32 (32-132)	-32	51	-32	2-11 1/2	150,1	5.91	72,1	2.84	42,1	1.66	2 1/2

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

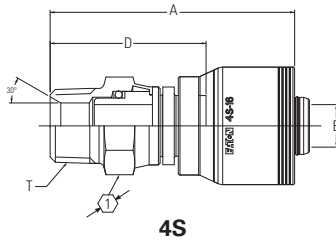
For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

H

Male Pipe NPTF Swivel (PS)

Straight

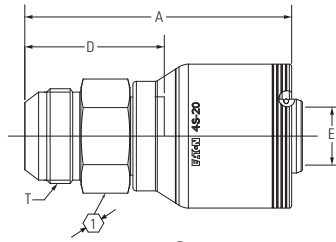


4S

Part Number	Terminal End	Hose Size		Thread	A		D Cut Off Factor		E Ø		1
		DN	Dash size		in	mm	in	mm	in	mm	
4SA16PS16 (16-J16)	-16	25	-16	1-11 1/2	110,2	4.34	70,1	2.76	19,2	0.75	1 1/2

Male JIC/37° - Rigid (MJ)

Straight



4S

Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		in	mm	in	mm	in	mm	
4SA6MJ6 (06-506)	-6	10	-6	9/16-18	53,7	2.12	31,0	1.22	6,7	0.26	11/16
4SA8MJ6 (06-508)	-8	10	-6	3/4-16	49,4	1.94	28,1	1.11	6,7	0.26	13/16
4SA8MJ8 (08-508)	-8	12	-8	3/4-16	65,8	2.59	35,5	1.40	9,6	0.38	13/16
4SA10MJ8 (08-510)	-10	12	-8	7/8-14	59,1	2.33	31,9	1.26	9,6	0.38	15/16
4SA12MJ8	-12	12	-8	1 1/16-12	63,4	2.50	36,2	1.43	9,6	0.38	1 1/8
4SA10MJ10 (10-510)	-10	16	-10	7/8-14	69,4	2.73	40,5	1.59	12,3	0.48	15/16
4SA12MJ10 (10-512)	-12	16	-10	1 1/16-12	62,4	2.46	36,4	1.43	12,8	0.50	1 1/8
4SA10MJ12 (12-510)	-10	19	-12	7/8-14	84,3	3.32	48,2	1.90	12,3	0.48	15/16
4SA12MJ12 (12-512)	-12	19	-12	1 1/16-12	86,9	3.42	50,8	2.00	14,2	0.56	1 1/8
4SA14MJ12 (12-514)	-14	19	-12	1 3/16-12	83,1	3.27	47,0	1.85	14,2	0.56	1 1/4
4SA16MJ12 (12-516)	-16	19	-12	1 5/16-12	83,6	3.29	47,5	1.87	14,2	0.56	1 3/8
4SA16MJ16 (16-516)	-16	25	-16	1 5/16-12	93,7	3.69	54,0	2.13	19,2	0.75	1 3/8
4SA20MJ16 (16-520)	-20	25	-16	1 5/8-12	99,6	3.92	60,0	2.36	19,2	0.76	1 11/16
4SA20MJ20 (20-520)	-20	31	-20	1 5/8-12	115,7	4.56	60,5	2.38	25,2	0.99	1 11/16
4SA24MJ24 (24-524)	-24	38	-24	1 7/8-12	151,3	5.96	73,3	2.89	31,1	1.22	2
4SA32MJ32 (32-532)	-32	51	-32	2 1/2-12	163,8	6.45	85,8	3.38	42,1	1.66	2 5/8

⚠ Refer to note below.

⚠ When assembled with all Eaton components, all SAE 37° JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst. The 45° and 90° elbow configurations in the -12 size meet a 3.2:1 burst the 45° and 90° elbow configurations in the -16 size achieve a 2.8:1 burst; the 45° and 90° elbow configurations in the -20 size meet a 4:1 burst and the 45° & 90° elbow configurations in the -24 size meet a 2.4:1 burst.

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

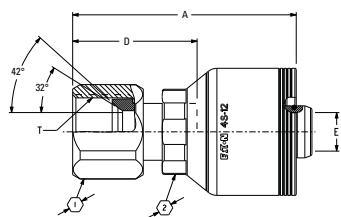
Crimp fittings

Spiral hose fittings
(4S/6S Series)

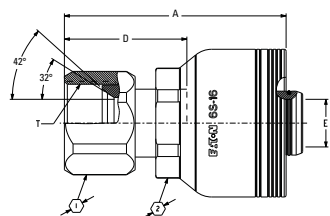
H

Female JIC/37° Swivel (FJ)

Straight



4S



6S

⚠ Refer to note below.

⚠ When assembled with all Eaton components, all SAE 37° JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst. The 45° and 90° elbow configurations in the -12 size meet a 3.2:1 burst the 45° and 90° elbow configurations in the -16 size achieve a 2.8:1 burst; the 45° and 90° elbow configurations in the -20 size meet a 4:1 burst and the 45° & 90° elbow configurations in the -24 size meet a 2.4:1 burst.

Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		①		②	
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
4SA4FJ6 (06-604)	-4	10	-6	7/16-20	51,6	2.03	30,3	1.19	4,4	0.17	14,3	9/16	11/16			
4SA6FJ6 (06-606)	-6	10	-6	9/16-18	53,0	2.09	32,2	1.27	6,7	0.26	17,5	11/16	11/16			
4SA8FJ6 (06-608)	-8	10	-6	3/4-16	54,8	2.16	34,0	1.34	6,7	0.26	22,2	7/8	11/16			
4SA6FJ8 (08-606)	-6	12	-8	9/16-18	68,3	2.69	38,0	1.50	9,6	0.38	17,5	11/16	11/16			
4SA8FJ8 (08-608)	-8	12	-8	3/4-16	64,8	2.55	36,7	1.44	9,6	0.38	22,2	7/8	7/8			
4SA10FJ8 (08-610)	-10	12	-8	7/8-14	67,3	2.65	39,2	1.54	9,6	0.38	25,4	1	7/8			
4SA12FJ8 (08-612)	-12	12	-8	1 1/16-12	68,5	2.70	40,4	1.59	9,6	0.38	31,8	1 1/4	7/8			
4SA10FJ10 (10-610)	-10	16	-10	7/8-14	66,1	2.60	40,6	1.60	12,8	0.50	25,4	1	1 1/16			
4SA12FJ10 (10-612)	-12	16	-10	1 1/16-12	67,1	2.64	41,5	1.63	12,8	0.50	31,8	1 1/4	1 1/16			
4SA10FJ12 (12-610)	-10	19	-12	7/8-14	75,0	2.95	38,8	1.53	12,3	0.48	30,0	1 3/16	1			
4SA12FJ12 (12-612)	-12	19	-12	1 1/16-12	82,0	3.23	45,7	1.80	14,2	0.56	30,0	1 3/16	1 1/4			
4SA14FJ12 (12-614)	-14	19	-12	1 3/16-12	77,5	3.05	41,3	1.63	14,2	0.56	30,0	1 3/16	1 3/8			
4SA16FJ12 (12-616)	-16	19	-12	1 5/16-12	80,2	3.16	44,0	1.73	14,2	0.56	30,0	1 3/16	1 1/2			
4SA12FJ16 (16-612)	-12	25	-16	1 1/16-12	78,8	3.10	39,1	1.54	15,5	0.61	41,0	1 5/8	1 1/4			
4SA16FJ16 (16-616)	-16	25	-16	1 5/16-12	89,2	3.51	49,3	1.94	19,2	0.76	41,0	1 5/8	1 1/2			
4SA20FJ16 (16-620)	-20	25	-16	1 5/8-12	85,8	3.38	46,0	1.81	19,2	0.76	41,0	1 5/8	2			
4SA16FJ20 (20-616)	-16	31	-20	1 5/16-12	99,1	3.90	43,7	1.72	25,2	0.99	46,0	1 13/16	1 1/2			
4SA20FJ20 (20-620)	-20	31	-20	1 5/8-12	101,6	4.00	46,3	1.82	25,2	0.99	46,0	1 13/16	2			
4SA24FJ20 (20-624)	-24	31	-20	1 7/8-12	106,8	4.20	51,5	2.03	25,2	0.99	46,0	1 13/16	2 1/4			
4SA24FJ24 (24-624)	-24	38	-24	1 7/8-12	134,9	5.31	56,8	2.24	31,1	1.22	57,0	2 1/4	2 1/4			
4SA32FJ32 (32-632)	-32	51	-32	2 1/2-12	146,0	5.75	68,0	2.68	42,1	1.66	73,0	2 7/8	2 7/8			
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	in			
6SA20FJ20 (20-620)	-20	31	-20	1 5/8-12	102,3	4.03	46,3	1.82	25,2	0.99	46,0	1 13/16	2			
6SA24FJ20 (20-624)	-24	31	-20	1 7/8-12	107,5	4.23	51,5	2.03	25,2	0.99	46,0	1 13/16	2 1/4			
6SA24FJ24 (23-624)	-24	38	-24	1 7/8-12	134,9	5.31	56,8	2.24	31,1	1.22	57,0	2 1/4	2 1/4			
6SA32FJ32 (32-632)	-32	51	-32	2 1/2-12	146,0	5.75	68,0	2.68	42,1	1.66	73,0	2 7/8	2 7/8			

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

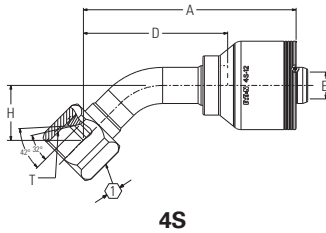
For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

H

Female JIC/37° Swivel (FJA)

45° Elbow

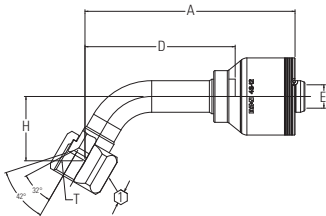


Part number	Terminal end		Hose size		Thread		A		D		E Ø		H		in
	Dash size	DN	Dash size	DN	in	mm	in	mm	in	mm	in	mm	in		
4SA6FJA6 (06-686)	-6	10	-6	10	9/16-18	56,5	2.22	33,3	1.31	6,2	0.24	9,9	0.39	11/16	
4SA8FJA6 (06-688)	-8	10	-6	10	3/4-16	75,6	2.98	54,3	2.14	6,7	0.26	24,2	0.95	7/8	
4SA8FJA8 (08-688)	-8	12	-8	12	3/4-16	72,9	2.87	42,7	1.68	9,4	0.37	14,0	0.55	7/8	
4SA10FJA8 (08-690)	-10	12	-8	12	7/8-14	82,5	3.25	55,3	2.18	9,4	0.37	25,3	1.00	1	
4SA10FJA10	-10	16	-10	16	7/8-14	71,6	2.82	45,4	1.79	11,7	0.46	16,0	0.63	1	
4SA12FJA10 (10-692)	-12	16	-10	16	1 1/16-12	92,6	3.65	66,5	2.62	12,8	0.50	29,4	1.16	1 1/4	
4SA12FJA12 (12-692)	-12	19	-12	19	1 1/16-12	112,3	4.42	76,1	3.00	14,2	0.56	29,0	1.14	1 1/4	
4SA16FJA12 (12-696)	-16	19	-12	19	1 5/16-12	133,6	5.26	97,5	3.84	14,2	0.56	38,0	1.50	1 1/2	
4SA16FJA16 (16-696)	-16	25	-16	25	1 5/16-12	128,8	5.07	89,3	3.52	19,2	0.76	38,0	1.50	1 1/2	
4SA20FJA16 (16-697)	-20	25	-16	25	1 5/8-12	120,1	4.73	80,4	3.17	19,2	0.75	32,0	1.26	2	
4SA20FJA20 (20-697)	-20	31	-20	31	1 5/8-12	135,6	5.34	80,4	3.17	25,2	0.99	32,0	1.26	2	
4SA24FJA24 (24-698)	-24	38	-24	38	1 7/8-12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	2 1/4	
6S	Dash size	DN	Dash size	DN	in	mm	in	mm	in	mm	in	mm	in	in	
6SA20FJA20 (20-697)	-20	31	-20	31	1 5/8-12	136,4	5.37	80,4	3.17	25,2	0.99	32,0	1.26	2	
6SA24FJA24 (24-698)	-24	38	-24	38	1 7/8-12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	2 1/4	

⚠ Refer to note below.

Female JIC/37° Swivel (FJG)

60° Elbow



Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		H		in
	Dash size	DN	Dash size	DN	in	mm	in	mm	in	mm	in	mm	in		
4SA12FJG12 (12-C62)	-12	19	-12	19	1 1/16-12	127,0	5.00	90,8	3.58	14,2	0.56	38,9	1.53	1 1/4	
4SA16FJG16 (16-C66)	-16	25	-16	25	1 5/16-12	144,4	5.69	104,8	4.12	19,2	0.76	47,6	1.87	1 1/2	

⚠ Refer to note below.

4S

⚠ When assembled with all Eaton components, all SAE 37° JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst. The 45° and 90° elbow configurations in the -12 size meet a 3.2:1 burst the 45° and 90° elbow configurations in the -16 size achieve a 2.8:1 burst; the 45° and 90° elbow configurations in the -20 size meet a 4:1 burst and the 45° & 90° elbow configurations in the -24 size meet a 2.4:1 burst.

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

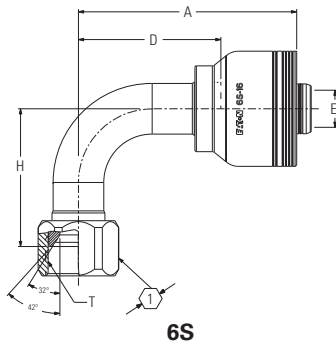
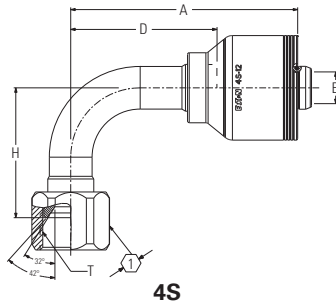
Crimp fittings

Spiral hose fittings
(4S/6S Series)

H

Female JIC/37° Swivel (FJB)

90° Elbow

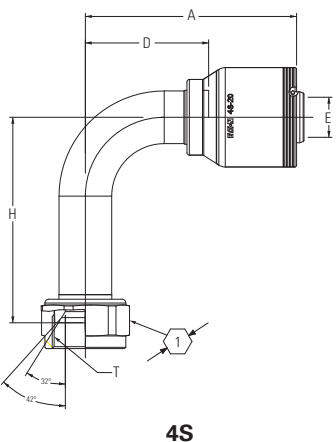


Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		H		1
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	
4SA6FJB6 (06-666)	-6	10	-6	9/16-18	54,1	2.13	30,9	1.22	6,2	0.24	21,6	0.85	11/16		
4SA8FJB6 (06-668)	-8	10	-6	3/4-16	64,7	2.55	43,4	1.71	6,7	0.26	47,4	1.87	7/8		
4SA8FJB8 (08-668)	-8	12	-8	3/4-16	67,1	2.64	36,7	1.44	9,4	0.37	27,7	1.09	7/8		
4SA8FJB8TZ	-8	12	-8	3/4-16	67,1	2.64	36,7	1.44	9,4	0.37	27,7	1.09	7/8		
4SA10FJB8 (08-670)	-10	12	-8	7/8-14	70,5	2.78	43,3	1.70	9,4	0.37	49,0	1.93	1		
4SA10FJB10 (10-670)	-10	16	-10	7/8-14	70,2	2.76	39,3	1.55	11,7	0.46	31,2	1.23	1		
4SA12FJB10 (10-672)	-12	16	-10	1 1/16-12	84,8	3.34	55,4	2.18	12,7	0.50	69,7	2.35	1 1/4		
4SA12FJB12 (12-672)	-12	19	-12	1 1/16-12	101,3	3.99	65,3	2.57	14,2	0.56	58,0	2.28	1 1/4		
4SA16FJB12 (12-676)	-16	19	-12	1 5/16-12	110,0	4.33	73,8	2.91	14,2	0.56	71,0	2.80	1 1/2		
4SA16FJB16 (16-676)	-16	25	-16	1 5/16-12	113,1	4.45	73,5	2.89	19,2	0.76	71,0	2.80	1 1/2		
4SA20FJB16 (16-677)	-20	25	-16	1 5/8-12	117,1	4.61	77,4	3.05	19,2	0.75	78,0	3.07	2		
4SA20FJB20 (20-677)	-20	31	-20	1 5/8-12	132,6	5.22	77,4	3.05	25,2	0.99	78,0	3.07	2		
4SA24FJB24 (24-678)	-24	38	-24	1 7/8-12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	2 1/4		
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	in
6SA20FJB20 (20-677)	-20	31	-20	1 5/8-12	133,4	5.25	77,4	3.05	25,2	0.99	78,0	3.07	2		
6SA24FJB24 (24-678)	-24	38	-24	1 7/8-12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	2 1/4		

⚠ Refer to note below.

Female JIC/37° Swivel (FJC)

90° Elbow - Long Drop



Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		H		1
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	
4SA6FJC6 (06-464)	-6	-10	-6	9/16-18	54,1	2.13	30,9	1.21	6,2	0.24	55,4	2.18	11/16		
4SA10FJC8 (08-650)	-10	-12	-8	7/8-14	70,5	2.78	43,3	1.70	9,4	0.37	86,2	3.39	1		
4SA12FJC12 (12-652)	-12	19	-12	1 1/16-12	101,3	3.99	65,3	2.57	14,2	0.56	96,0	3.78	1 1/4		
4SA16FJC16 (16-656L44)	-16	25	-16	1 5/16-12	112,5	4.43	73,5	2.89	19,0	0.75	114,0	4.49	1 1/2		
4SA20FJC20 (20-677L50)	-20	31	-20	1 5/8-12	132,6	5.22	77,4	3.05	25,2	0.99	129,0	5.08	2		

⚠ Refer to note.

⚠ When assembled with all Eaton components, all SAE 37° JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst. The 45° and 90° elbow configurations in the -12 size meet a 3.2:1 burst the 45° and 90° elbow configurations in the -16 size achieve a 2.8:1 burst; the 45° and 90° elbow configurations in the -20 size meet a 4:1 burst and the 45° & 90° elbow configurations in the -24 size meet a 2.4:1 burst.

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

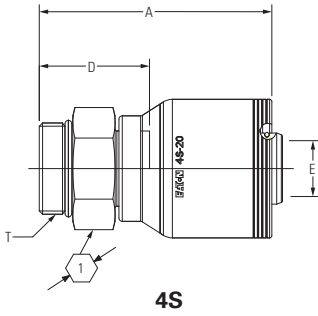
For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

H

Male O-ring Boss - Rigid (MB)

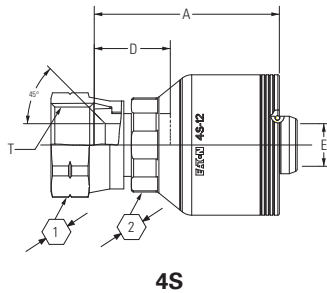
Straight



Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		in	mm	in	mm	in	mm	
4SA6MB6 (06-P06)	-6	10	-6	9/16-18	46,7	1.84	25,4	1.00	6,7	0.26	11/16
4SA8MB6 (06-P08)	-8	10	-6	3/4-16	46,1	1.81	24,8	0.98	6,7	0.26	7/8
4SA8MB8	-8	12	-8	3/4-16	57,4	2.26	30,1	1.19	9,6	0.38	7/8
4SA10MB8	-10	12	-8	7/8-14	54,8	2.16	27,6	1.09	9,6	0.38	1
4SA10MB10 (10-P10)	-10	16	-10	7/8-14	59,5	2.34	33,4	1.31	12,8	0.50	1
4SA12MB10 (10-P12)	-12	16	-10	1 1/16-12	57,3	2.26	31,2	1.23	12,8	0.50	1 1/4
4SA12MB12 (12-P12)	-12	19	-12	1 1/16-12	78,7	3.10	42,5	1.67	14,2	0.56	1 1/4
4SA16MB16 (16-P16)	-16	25	-16	1 5/16-12	88,1	3.47	48,5	1.91	19,2	0.76	1 1/2
4SA20MB20 (20-P20)	-20	31	-20	1 5/8-12	109,5	4.31	54,4	2.14	25,2	0.99	1 7/8
4SA24MB24 (24-P24)	-24	24	-24	1 7/8-12	134,1	5.28	56,0	2.21	31,1	1.22	2 1/8

Female SAE 45° Flare Swivel (FS)

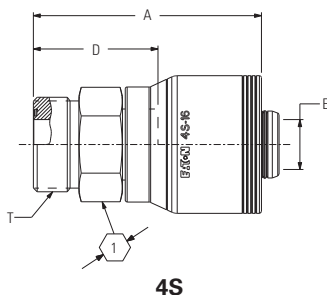
Straight



Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1	2
		DN	Dash size		in	mm	in	mm	in	mm		
4SA4FS6 (06-404)	-4	10	-6	7/16-20	51,6	2.03	30,3	1.19	4,9	0.19	9/16	11/16
4SA6FS6 (06-406)	-6	10	-6	5/8-18	54,7	2.15	33,4	1.31	6,7	0.26	3/4	11/16
4SA10FS8	-10	12	-8	7/8-14	64,6	2.54	37,4	1.47	9,6	0.38	1	13/16
4SA12FS12 (12-412)	-12	19	-12	1 1/16-14	61,5	2.42	25,4	1.00	14,2	0.56	1 1/4	1 3/16

Male ORS - Rigid (MR)

Straight



Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		in	mm	in	mm	in	mm	
4SA6MR6 (06-E66)	-6	10	-6	11/16-16	52,1	2.05	29,3	1.16	6,7	0.26	3/4
4SA8MR6 (06-E68)	-8	10	-6	13/16-16	45,5	1.79	24,2	0.95	6,7	0.26	7/8
4SA8MR8 (08-E68)	-8	12	-8	13/16-16	64,4	2.54	33,9	1.34	9,6	0.38	7/8
4SA12MR12 (12-E72)	-12	19	-12	1 3/16-12	80,8	3.18	44,4	1.75	14,2	0.56	1 1/4
4SA16MR12 (12-E76)	-16	19	-12	1 7/16-12	78,2	3.08	41,9	1.65	14,2	0.56	1 1/2
4SA16MR16 (16-E76)	-16	25	-16	1 7/16-12	87,7	3.45	47,9	1.89	19,2	0.76	1 1/2
4SA20MR16 (16-E80)	-20	25	-16	1 11/16-12	81,1	3.19	41,5	1.63	19,2	0.76	1 3/4
4SA20MR20 (20-E80)	-20	31	-20	1 11/16-12	107,1	4.22	52,0	2.05	25,2	0.99	1 3/4

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
 H430R-6,-8,-10,-12,-16,-20,-24,-32;
 H464-12,-16,-20,-24,-32;
 H471-12,-16,-20,-24; EC600-12,-16;
 EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

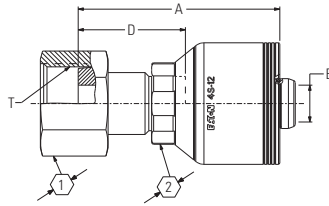
H471-32;
 EC600-20;
 EC810-20,-24,-32

Crimp fittings

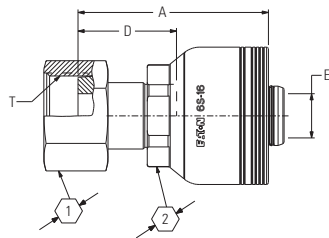
Spiral hose fittings
 (4S/6S Series)

Female ORS Swivel (FR)

Straight



4S



6S

Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		1		2	
	Dash size	DN	Dash size	DN	in	mm	in	mm	in	mm	in	mm	in	mm	in	in
4SA6FR6 (06-S66)	-6	10	-6	10	11/16-16	52,7	2.07	31,4	1.24	6,7	0.26	30,0	13/16	11/16		
4SA8FR6 (06-S68)	-8	10	-6	10	13/16-16	54,4	2.14	33,6	1.32	6,7	0.26	23,8	15/16	11/16		
4SA6FR8	-6	12	-8	12	11/16-16	61,3	2.41	34,1	1.34	6,7	0.26	30,0	13/16	7/8		
4SA8FR8 (08-S68)	-8	12	-8	12	13/16-16	66,2	2.61	38,1	1.50	9,1	0.36	23,8	15/16	7/8		
4SA10FR8 (08-S70)	-10	12	-8	12	1-14	65,4	2.57	37,3	1.47	9,6	0.38	28,6	1 1/8	7/8		
4S8FR10	-8	16	-10	16	13/16-16	64,4	2.54	38,3	1.51	9,1	0.36	23,8	15/16	15/16		
4S10FR10	-10	16	-10	16	1-14	66,5	2.62	40,8	1.61	11,5	0.45	30,0	1 3/16	1 1/16		
4SA10FR10 (10-S70)	-10	16	-10	16	1-14	66,5	2.62	40,8	1.61	11,5	0.45	28,6	1 1/8	1 1/16		
4SA12FR10 (10-S72)	-12	16	-10	16	13/16-12	67,2	2.65	41,4	1.63	12,8	0.50	34,9	1 3/8	1		
4S12FR10	-12	16	-10	16	13/16-12	67,6	2.66	41,5	1.63	12,8	0.50	30,0	1 3/16	1.42		
4SA10FR12 (12-S70)	-10	19	-12	19	1-14	74,4	2.93	38,1	1.50	14,2	0.56	30,0	1 3/16	1 1/8		
4SA12FR12 (12-S72)	-12	19	-12	19	13/16-12	77,4	3.05	41,2	1.62	14,2	0.56	30,0	1 3/16	1 3/8		
4SA16FR12 (12-S76)	-16	19	-12	19	17/16-12	79,2	3.12	43,1	1.70	14,2	0.56	30,0	1 3/16	1 5/8		
4SA12FR16 (16-S72)	-12	25	-16	25	13/16-12	80,5	3.17	40,8	1.61	19,2	0.76	41,0	1 5/8	1 3/8		
4SA16FR16 (16-S76)	-16	25	-16	25	17/16-12	82,4	3.24	42,6	1.68	19,2	0.76	41,0	1 5/8	1 5/8		
4SA20FR16 (16-S80)	-20	25	-16	25	1 11/16-12	82,4	3.24	42,7	1.68	19,2	0.76	41,0	1 5/8	1 7/8		
4SA20FR20 (20-S80)	-20	31	-20	31	1 11/16-12	99,0	3.90	43,8	1.72	25,2	0.99	46,0	1 13/16	1 7/8		
4SA24FR24 (24-S84)	-24	38	-24	38	2-12	125,7	4.95	47,6	1.87	31,1	1.22	57,0	2 1/4	2 1/4		
6S	Dash size	DN	Dash size	DN	in	mm	in	mm	in	mm	in	mm	in	mm	in	in
6SA20FR20 (20-S80)	-20	31	-20	31	1 11/16-12	99,8	3.93	43,8	1.72	25,2	0.99	46,0	1 13/16	1 7/8		
6SA24FR24 (24-S84)	-24	38	-24	38	2-12	125,7	4.95	47,6	1.87	31,1	1.22	57,0	2 1/4	2 1/4		

Crimp fittings

Spiral hose fittings
(4S/6S Series)

H

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

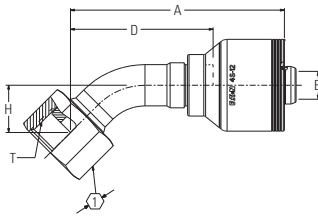
6S Fittings

For use with hoses:

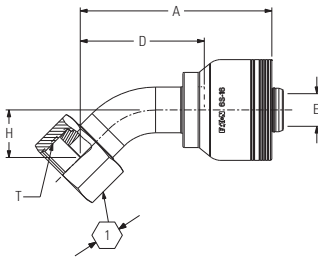
H471-32;
EC600-20;
EC810-20,-24,-32

Female ORS Swivel (FRA)

45° Elbow



4S



6S

Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		H		1
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	
4SA4FRA6	-4	10	-6	9/16-18	54,4	2.14	33,1	1.30	4,2	0.17	10,4	0.41	11/16		
4SA6FRA6 (06-L66)	-6	10	-6	11/16-16	59,9	2.36	36,3	1.43	6,2	0.24	10,9	0.43	13/16		
4SA8FRA6 (06-L68)	-8	10	-6	13/16-16	65,6	2.58	44,3	1.74	6,7	0.26	15,0	0.59	15/16		
4S8FRA8	-8	12	-8	13/16-16	72,7	2.86	45,5	1.79	9,1	0.36	15,0	0.59	15/16		
4SA8FRA8 (08-L68)	-8	12	-8	13/16-16	76,1	3.00	45,5	1.79	8,5	0.33	15,0	0.59	15/16		
4SA8FRA8.022	-8	12	-8	13/16-16	79,3	3.12	52,1	2.05	9,1	0.36	22,1	0.87	15/16		
4SA10FRA8 (08-L70)	-10	12	-8	1-14	78,3	3.08	51,1	2.01	9,6	0.38	16,5	0.65	1 1/8		
4SA10FRA10 (10-L70)	-10	16	-10	1-14	80,9	3.18	51,3	2.02	11,0	0.44	16,5	0.65	1 1/8		
4SA12FRA10	-12	16	-10	1 3/16-12	86,1	3.39	60,0	2.36	12,8	0.50	21,1	0.83	1 3/8		
4SA12FRA12 (12-L72)	-12	19	-12	1 3/16-12	108,7	4.28	72,5	2.85	14,2	0.56	24,0	0.94	1 3/8		
4SA16FRA12 (12-L76)	-16	19	-12	1 7/16-12	119,9	4.72	83,7	3.30	14,2	0.56	28,0	1.10	1 5/8		
4SA16FRA16 (16-L76)	-16	25	-16	1 7/16-12	112,8	4.44	73,0	2.87	19,2	0.76	28,0	1.10	1 5/8		
4SA20FRA16 (16-L80)	-20	25	-16	1 11/16-12	136,7	5.38	97,0	3.82	19,2	0.76	31,0	1.22	1 7/8		
4SA20FRA20 (20-L80)	-20	31	-20	1 11/16-12	153,4	6.04	98,1	3.86	25,2	0.99	31,0	1.22	1 7/8		
4SA24FRA24 (24-L84)	-24	38	-24	2-12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	2 1/4		
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	in		
6SA20FRA20 (20-L80)	-20	31	-20	1 11/16-12	154,1	6.07	98,1	3.86	25,2	0.99	31,0	1.22	1 7/8		
6SA24FRA24 (24-L84)	-24	38	-24	2-12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	2 1/4		

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
 H430R-6,-8,-10,-12,-16,-20,-24,-32;
 H464-12,-16,-20,-24,-32;
 H471-12,-16,-20,-24; EC600-12,-16;
 EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

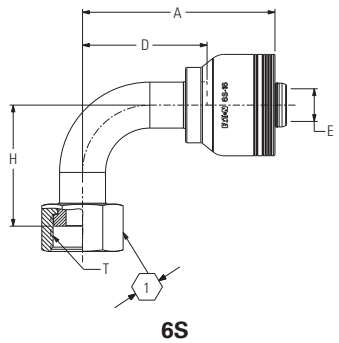
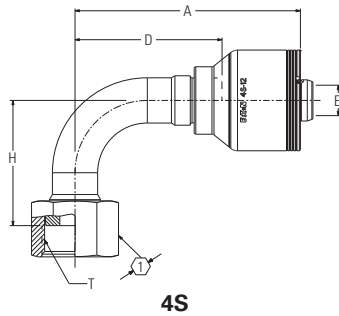
H471-32;
 EC600-20;
 EC810-20,-24,-32

Crimp fittings

Spiral hose fittings
 (4S/6S Series)

Female ORS Swivel (FRB)

90° Elbow



Part Number	Terminal end		Hose size		Thread		A		D		E Ø		H		1	
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
4SA6FRB6	-6	10	-6	11/16-16	57,6	2.27	34,1	1.34	6,2	0.24	22,9	0.9	20,6	13/16		
4SA6FRB6.038	-6	10	-6	11/16-16	55,4	2.18	34,1	1.34	6,4	0.25	38,4	1.51	20,6	13/16		
4SA8FRB6	-8	10	-6	13/16-16	62,5	2.46	41,2	1.62	6,7	0.26	29,2	1.15	23,8	15/16		
4SA6FRB8	-6	12	-8	11/16-16	62,4	2.46	35,2	1.39	6,4	0.25	22,9	0.9	20,6	13/16		
4SA8FRB8	-8	12	-8	13/16-16	73,0	2.87	42,4	1.67	8,5	0.33	29,2	1.15	23,8	15/16		
4SA10FRB8	-10	12	-8	1-14	75,6	2.98	48,4	1.91	9,6	0.38	32,3	1.27	28,6	1 1/8		
4SA12FRB8	-12	12	-8	1 3/16-12	83,3	3.28	56,1	2.21	9,6	0.38	47,8	1.88	34,9	1 3/8		
4S10FRB10	-10	16	-10	1-14	74,7	2.94	48,6	1.91	11,5	0.45	32,3	1.27	30,0	1 3/16		
4SA10FRB10	-10	16	-10	1-14	78,3	3.08	43,6	1.91	11,0	0.44	32,3	1.27	28,6	1 1/8		
4S10FRB10.047	-10	16	-10	1-14	74,7	2.94	48,6	1.91	11,5	0.45	47,0	1.85	30,0	1 3/16		
4SA10FRB10.047	-10	16	-10	1-14	74,7	2.94	48,6	1.91	11,5	0.45	47,0	1.85	28,6	1 1/8		
4S12FRB10	-12	16	-10	1 3/16-12	84,2	3.31	58,1	2.29	12,0	0.47	47,8	1.88	36,0	1.42		
4SA12FRB10	-12	16	-10	1 3/16-12	84,2	3.31	58,1	2.29	12,0	0.47	47,8	1.88	34,9	1 3/8		
4S12FRB10.058	-12	16	-10	1 3/16-12	82,9	3.26	56,8	2.24	12,0	0.47	57,9	2.28	36,0	1.42		
4SA10FRB12	-10	19	-12	1-14	91,5	3.6	55,3	2.18	14,2	0.56	32,3	1.27	28,6	1 1/8		
4SA12FRB12	-12	19	-12	1 3/16-12	104,4	4.11	68,1	2.68	14,2	0.56	58,0	2.28	34,9	1 3/8		
4SA16FRB12	-16	19	-12	1 7/16-12	117,1	4.61	80,9	3.19	14,2	0.56	71,0	2.8	41,3	1 5/8		
4SA12FRB16	-12	25	-16	1 3/16-12	107,5	4.23	67,7	2.67	19,2	0.76	58,0	2.28	34,9	1 3/8		
4SA16FRB16	-16	25	-16	1 7/16-12	112,8	4.44	73,0	2.87	19,2	0.76	71,0	2.8	41,3	1 5/8		
4SA20FRB16	-20	25	-16	1 11/16-16	136,5	5.37	96,8	3.81	19,2	0.76	78,0	3.07	47,6	1 7/8		
4SA20FRB20	-20	31	-20	1 11/16-16	153,1	6.03	97,9	3.85	25,2	0.99	78,0	3.07	47,6	1 7/8		
4SA24FRB20	-24	31	-20	2-12	152,9	6.02	97,9	3.85	25,2	0.99	86,0	3.39	57,2	2 1/4		
4SA24FRB24	-24	38	-24	2-12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	57,2	2 1/4		
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
6SA20FRB20	-20	31	-20	1 11/16-16	153,9	6.06	97,9	3.85	25,2	0.99	78,0	3.07	47,6	1 7/8		
6SA24FRB2	-24	38	-24	2-12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	57,2	2 1/4		

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

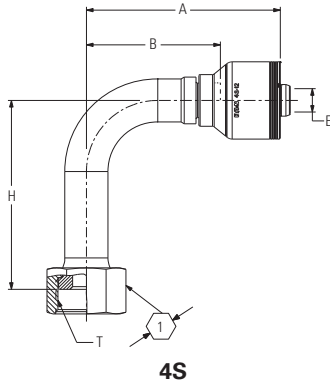
For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

H

Female ORS Swivel (FRC)

90° Elbow - Long Drop



Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		H		1
	Dash size		DN	Dash size	in		mm	in	mm	in	mm	in	mm	in	
4SA6FRC6 (06-A66)	-6		10	-6	11/16-16		57,6	2.27	34,1	1.34	6,2	0.24	54,1	2.13	13/16
4SA8FRC6 (06-A68)	-8		10	-6	13/16-16		64,7	2.55	43,4	1.71	6,7	0.26	64,8	2.55	15/16
4S8FRC8	-8		12	-8	13/16-16		69,6	2.74	42,4	1.67	8,8	0.35	63,8	2.51	15/16
4SA8FRC8 (08-A68)	-8		12	-8	13/16-16		73,0	2.87	42,4	1.67	8,5	0.33	63,8	2.51	15/16
4SA10FRC8 (08-A70)	-10		12	-8	1-14		75,6	2.98	48,4	1.91	9,6	0.38	70,1	2.76	1 1/8
4SA10FRC10	-10		16	-10	1-14		78,3	3.08	48,6	1.91	11,0	0.44	70,1	2.76	1 1/8
4S12FRC10	-12		16	-10	1 3/16-12		84,2	3.31	58,1	2.29	12,0	0.47	96,0	3.78	1.42
4SA10FRC12 (12-A70)	-10		19	-12	1-14		91,5	3.60	55,3	2.18	14,2	0.56	70,0	2.76	1 1/8
4SA12FRC12 (12-A72)	-12		19	-12	1 3/16-12		104,4	4.11	68,1	2.68	14,2	0.56	96,0	3.78	1 3/8
4SA16FRC12 (12-A76)	-16		19	-12	1 7/16-12		117,1	4.61	80,9	3.19	14,2	0.56	114,0	4.49	1 5/8
4SA16FRC16 (16-A76)	-16		25	-16	1 7/16-12		112,8	4.44	73,0	2.87	19,2	0.76	114,0	4.49	1 5/8
4SA20FRC20 (20-A80)	-20		31	-20	1 11/16-12		152,9	6.02	97,9	3.85	25,2	0.99	129,0	5.08	1 7/8
4SA24FRC20 (20-A84)	-24		31	-20	2-12		152,9	6.02	97,9	3.85	25,2	0.99	141,0	5.55	2 1/4
4SA24FRC24 (24-A84L55)	-24		38	-24	2-12		152,9	6.02	97,9	3.85	25,2	0.99	141,0	5.55	2 1/4

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
 H430R-6,-8,-10,-12,-16,-20,-24,-32;
 H464-12,-16,-20,-24,-32;
 H471-12,-16,-20,-24; EC600-12,-16;
 EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

H471-32;
 EC600-20;
 EC810-20,-24,-32

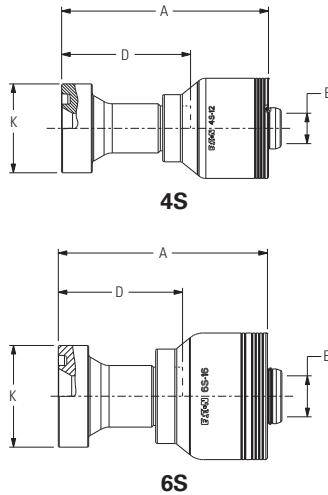
Crimp fittings

Spiral hose fittings
 (4S/6S Series)

H

SAE Code 61 Flange (FL)

Straight



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S8FL8 (08-G08)	-8	12	-8	30,2	1.19	79,5	3.13	52,3	2.06	9,6	0.38
4S12FL8 (08-G12)	-12	12	-8	38,1	1.50	80,6	3.17	53,3	2.10	9,6	0.38
4S12FL10 (10-G12)	-12	16	-10	38,1	1.50	79,4	3.13	53,3	2.10	12,8	0.50
4S12FL12 (12-G12)	-12	19	-12	38,1	1.50	90,7	3.57	54,5	2.15	14,2	0.56
4S16FL12 (12-G16)	-16	19	-12	44,5	1.75	90,2	3.55	54,0	2.13	14,2	0.56
4S20FL12 (12-G20)	-20	19	-12	50,8	2.00	97,7	3.85	61,5	2.42	14,2	0.56
4S16FL16 (16-G16)	-16	25	-16	44,5	1.75	93,3	3.67	53,6	2.11	19,2	0.76
4S20FL16 (16-G20)	-20	25	-16	50,8	2.00	100,8	3.97	61,1	2.41	19,2	0.76
4S24FL16 (16-G24)	-24	25	-16	60,4	2.38	97,4	3.83	57,7	2.27	19,2	0.76
4S16FL20 (20-G16)	-16	31	-20	44,5	1.75	110,5	4.35	55,5	2.18	25,2	0.99
4S20FL20 (20-G20)	-20	31	-20	50,8	2.00	117,4	4.62	62,2	2.45	25,2	0.99
4S24FL20 (20-G24)	-24	31	-20	60,4	2.38	106,7	4.20	51,6	2.03	25,2	0.99
4S32FL20 (20-G32)	-32	31	-20	71,4	2.81	104,9	4.13	49,9	1.96	25,2	0.99
4S24FL24 (24-G24)	-24	38	-24	60,4	2.38	171,6	6.75	93,6	3.68	31,1	1.22
4S32FL24 (24-G32)	-32	38	-24	71,4	2.81	174,7	6.88	96,7	3.81	31,1	1.22
4S32FL32 (32-G32)	-32	51	-32	71,4	2.81	177,5	6.99	99,5	3.92	42,1	1.66
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
6S20FL20 (20-G20)	-20	31	-20	50,8	2.00	118,2	4.65	62,2	2.45	25,2	0.99
6S24FL24 (24-G24)	-24	38	-24	60,4	2.38	171,6	6.75	93,6	3.68	31,1	1.22
6S32FL24 (24-G32)	-32	38	-24	71,4	2.81	174,7	6.88	96,7	3.81	31,1	1.22
6S32FL32 (32-G32)	-32	51	-32	71,4	2.81	177,5	6.99	99,5	3.92	42,1	1.66

Note: Reference page J-110 for
 Code 62 Split Flange Kits

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

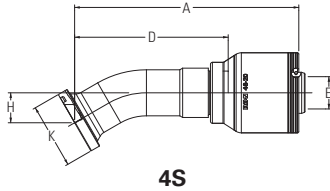
6S Fittings

For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

SAE Code 61 Flange (FLF)

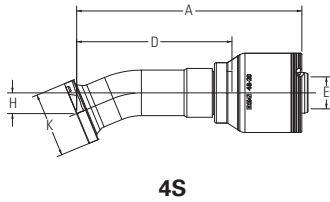
30° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
	4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S8FLF8 (08-H21)	-8	12	-8	30,2	1.19	81,8	3.32	54,6	2.15	9,1	0.36	12,6	0.50
4S12FLF12 (12-H22)	-12	19	-12	38,1	1.50	119,4	4.70	83,3	3.28	14,2	0.56	16,4	0.65
4S16FLF12 (12-H23)	-16	19	-12	44,4	1.75	134,6	5.30	98,4	3.87	14,2	0.56	19,3	0.76
4S16FLF16 (16-H23)	-16	25	-16	44,4	1.75	137,7	5.42	97,9	3.85	19,2	0.76	19,3	0.76
4S20FLF16 (16-H24)	-20	25	-16	50,8	2.00	158,3	6.23	118,6	4.67	19,2	0.76	23,3	0.92
4S20FLF20 (20-H24)	-20	31	-20	50,8	2.00	174,7	6.88	119,7	4.71	25,2	0.99	23,3	0.92
4S24FLF20 (20-H25)	-24	31	-20	60,4	2.38	169,9	6.69	114,9	4.52	25,2	0.99	24,1	0.95
4S24FLF24 (24-H25)	-24	38	-24	60,3	2.37	223,4	8.80	145,4	5.72	31,1	1.22	26,8	1.06
4S32FLF32 (32-H26)	-32	51	-32	71,4	2.81	265,9	10.47	187,8	7.39	42,1	1.66	33,9	1.34

SAE Code 61 Flange (FLD)

22.5° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
	4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S8FLD8 (08-H01)	-8	12	-8	30,2	1.19	83,2	3.28	56,0	2.20	9,1	0.36	9,1	0.36
4S12FLD8 (08-H02)	-12	12	-8	38,1	1.50	98,4	3.87	71,2	2.80	9,4	0.37	11,1	0.44
4S12FLD12 (12-H02)	-12	19	-12	38,1	1.50	121,3	4.78	85,1	3.35	14,2	0.56	11,6	0.46
4S16FLD12 (12-H03)	-16	25	-12	44,4	1.75	136,7	5.38	100,5	3.96	14,2	0.56	13,5	0.53
4S16FLD16 (16-H03)	-16	25	-16	44,4	1.75	139,8	5.50	100,1	3.94	19,2	0.76	13,5	0.53
4S20FLD16 (16-H04)	-20	25	-16	50,8	2.00	160,9	6.33	121,2	4.77	19,2	0.76	16,3	0.64
4S20FLD20 (20-H04)	-20	31	-20	50,8	2.00	177,3	6.98	122,3	4.81	25,2	0.99	16,3	0.64
4S24FLD20 (20-H05)	-24	31	-20	60,4	2.38	173,6	6.83	117,6	4.63	25,2	0.99	17,1	0.67
4S24FLD24 (24-H05)	-24	38	-24	60,3	2.37	226,4	8.91	148,4	5.84	31,1	1.22	18,8	0.74
4S32FLD24 (24-H06)	-32	38	-24	71,4	2.81	266,7	10.50	188,7	7.43	31,1	1.22	23,5	0.93
4S32FLD32 (32-H06)	-32	51	-32	71,4	2.81	269,6	10.61	191,5	7.54	42,1	1.66	23,5	0.93

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

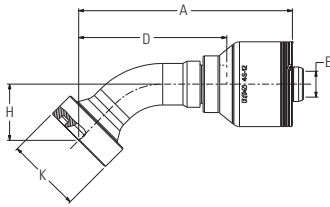
Crimp fittings

Spiral hose fittings
(4S/6S Series)

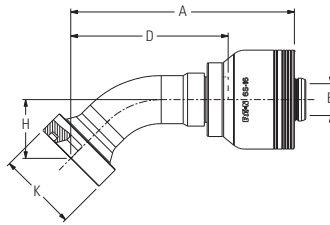
H

SAE Code 61 Flange (FLA)

45° Elbow



4S



6S

Part number	Terminal end		Hose size		Flange Head Dia. K Ø		A		D		E Ø		H	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in	
4S8FLA8 (08-G41)	-8	12	-8	30,2	1.19	77,5	3.05	50,3	1.98	9,1	0.36	19,8	0.78	
4S12FLA8 (08-G42)	-12	12	-8	38,1	1.50	90,6	3.57	63,4	2.50	9,6	0.38	25,4	1.00	
4S12FLA10 (10-G42)	-12	16	-10	38,1	1.50	90,3	3.56	64,2	2.53	12,8	0.50	25,4	1.00	
4S12FLA12 (12-G42)	-12	19	-12	38,1	1.50	113,8	4.48	77,6	3.06	14,2	0.56	27,0	1.06	
4S16FLA12 (12-G46)	-16	19	-12	44,4	1.75	127,9	5.04	91,7	3.61	14,2	0.56	32,0	1.26	
4S12FLA16 (16-G42)	-12	25	-16	38,1	1.50	116,9	4.60	77,2	3.04	19,2	0.76	27,0	1.06	
4S16FLA16 (16-G46)	-16	25	-16	44,4	1.75	131,0	5.16	91,3	3.59	19,2	0.76	32,0	1.26	
4S20FLA16 (16-G50)	-20	25	-16	50,8	2.00	150,2	5.91	110,5	4.35	19,2	0.76	39,0	1.54	
4S16FLA20 (20-G46)	-16	31	-20	44,4	1.75	152,1	5.99	97,0	3.82	25,2	0.99	32,0	1.26	
4S20FLA20 (20-G50)	-20	31	-20	50,8	2.00	166,8	6.57	111,6	4.39	25,2	0.99	39,0	1.54	
4S24FLA20 (20-G54)	-24	31	-20	60,4	2.38	161,6	6.36	106,6	4.20	25,2	0.99	39,5	1.56	
4S24FLA24 (24-G54)	-24	38	-24	60,3	2.37	214,3	8.44	136,3	5.37	31,1	1.22	45,0	1.77	
4S32FLA24 (24-G62)	-32	38	-24	71,4	2.81	251,0	9.88	173,0	6.81	31,1	1.22	57,5	2.26	
4S32FLA32 (32-G62)	-32	51	-32	71,4	2.81	253,9	10.00	175,9	6.92	42,1	1.66	57,5	2.26	
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in	
6S20FLA20 (20-G50)	-20	31	-20	50,8	2.00	167,6	6.60	111,6	4.39	25,2	0.99	39,0	1.54	
6S24FLA24 (24-G54)	-24	38	-24	60,3	2.37	214,3	8.44	136,3	5.37	31,1	1.22	45,0	1.77	
6S32FLA24 (24-G62)	-32	38	-24	71,4	2.81	251,0	9.88	173,0	6.81	31,1	1.22	57,5	2.26	
6S32FLA32 (32-G62)	-32	51	-32	71,4	2.81	253,9	10.00	175,9	6.92	42,1	1.66	57,5	2.26	

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

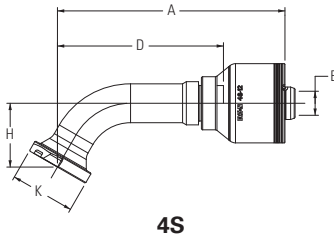
6S Fittings

For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

SAE Code 61 Flange (FLG)

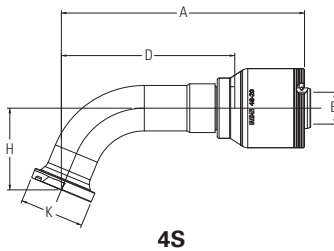
60° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S8FLG8 (08-H51)	-8	12	-8	30,2	1.19	88,1	3.47	60,9	2.40	9,1	0.36	28,8	1.13
4S12FLG8 (08-H52)	-12	12	-8	38,1	1.50	107,2	4.22	80,0	3.15	9,6	0.38	35,4	1.39
4S12FLG12 (12-H52)	-12	19	-12	38,1	1.50	133,9	5.27	97,7	3.85	14,2	0.56	37,6	1.48
4S16FLG12 (12-H53)	-16	19	-12	44,4	1.75	153,2	6.03	117,1	4.61	14,2	0.56	44,7	1.76
4S16FLG16 (16-H53)	-16	25	-16	44,4	1.75	156,4	6.16	116,6	4.59	19,2	0.76	44,7	1.76
4S20FLG16 (16-H54)	-20	25	-16	50,8	2.00	183,3	7.22	143,5	5.65	19,2	0.76	55,8	2.20
4S20FLG20 (20-H54)	-20	25	-20	50,8	2.00	199,7	7.86	144,7	5.70	25,2	0.99	55,8	2.20
4S24FLG20 (20-H56)	-24	31	-20	60,4	2.38	188,1	7.41	133,0	5.24	25,2	0.99	51,7	2.04
4S24FLG24 (24-H55)	-24	38	-24	60,3	2.37	253,3	9.97	175,3	6.90	31,1	1.22	65,2	2.57
4S32FLG32 (32-H56)	-32	51	-32	71,4	2.81	309,1	12.17	231,1	9.10	42,1	1.66	85,8	3.38

SAE Code 61 Flange (FLE)

67.5° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S8FLE8 (08-H61)	-8	12	-8	30,2	1.19	84,1	3.31	56,9	2.24	9,1	0.36	32,3	1.27
4S12FLE8 (08-H62)	-12	12	-8	38,1	1.50	101,9	4.01	74,6	2.94	9,6	0.38	40,6	1.60
4S12FLE12 (12-H62)	-12	19	-12	38,1	1.50	128,6	5.06	92,4	3.64	14,2	0.56	43,2	1.70
4S16FLE12 (12-H63)	-16	19	-12	44,4	1.75	147,0	5.79	110,8	4.36	14,2	0.56	51,5	2.03
4S16FLE16 (16-H63)	-16	25	-16	44,4	1.75	150,1	5.91	110,3	4.34	19,2	0.76	51,5	2.03
4S20FLE16 (16-H64)	-20	25	-16	50,8	2.00	175,4	6.91	135,7	5.34	19,2	0.76	64,4	2.54
4S20FLE20 (20-H64)	-20	31	-20	50,8	2.00	191,8	7.55	136,8	5.39	25,2	0.99	64,4	2.54
4S24FLE20 (20-H65)	-24	31	-20	60,4	2.38	180,8	7.12	125,8	4.95	25,2	0.99	59,5	2.34
4S24FLE24 (24-H65)	-24	38	-24	60,3	2.37	244,2	9.61	166,2	6.54	31,1	1.22	75,2	2.96
4S32FLE24 (24-H66)	-32	38	-24	71,4	2.81	294,1	11.58	216,1	8.51	31,1	1.22	99,3	3.91
4S32FLE32 (32-H66)	-32	51	-32	71,4	2.81	297,0	11.69	219,0	8.62	42,1	1.66	99,3	3.91

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
 H430R-6,-8,-10,-12,-16,-20,-24,-32;
 H464-12,-16,-20,-24,-32;
 H471-12,-16,-20,-24; EC600-12,-16;
 EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

H471-32;
 EC600-20;
 EC810-20,-24,-32

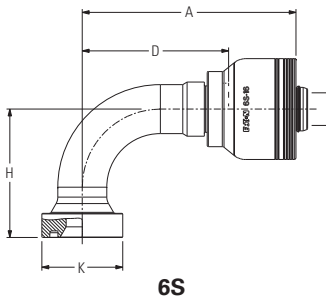
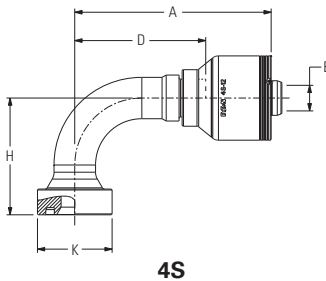
Crimp fittings

Spiral hose fittings
 (4S/6S Series)

H

SAE Code 61 Flange (FLB)

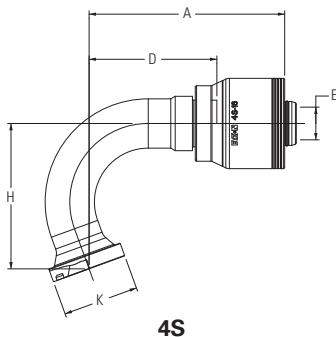
90° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S													
4S8FLB8 (08-G71)	-8	12	-8	30,2	1.19	69,5	2.74	42,3	1.67	9,1	0.36	41,4	1.63
4S12FLB8 (08-G72)	-12	12	-8	38,1	1.50	85,1	3.35	57,9	2.28	9,6	0.38	54,1	2.13
4S12FLB10 (10-G72)	-12	16	-10	38,1	1.50	84,2	3.31	58,1	2.29	12,8	0.50	54,1	2.13
4S12FLB12 (12-G72)	-12	19	-12	38,1	1.50	108,5	4.27	72,3	2.85	14,2	0.56	59,0	2.32
4S16FLB12 (12-G76)	-16	19	-12	44,4	1.75	122,8	4.84	86,6	3.41	14,2	0.56	71,0	2.80
4S20FLB12 (12-G80)	-20	19	-12	50,8	2.00	108,5	4.72	72,3	2.85	14,2	0.56	65,0	2.56
4S16FLB16 (16-G76)	-16	25	-16	44,4	1.75	126,0	4.96	86,2	3.39	19,2	0.76	71,0	2.80
4S16FLB16.116 (16-G76)	-16	25	-16	44,4	1.75	126,0	4.96	86,2	3.39	19,2	0.76	116,0	4.57
4S20FLB16 (16-G80)	-20	25	-16	50,8	2.00	145,2	5.72	105,4	4.15	19,2	0.76	89,0	3.50
4S24FLB16 (16-G84)	-24	25	-16	60,4	2.38	136,5	5.37	96,8	3.81	19,2	0.76	81,9	3.22
4S16FLB20 (20-G76)	-16	31	-20	44,4	1.75	147,1	5.79	91,9	3.62	25,2	0.99	71,0	2.80
4S20FLB20 (20-G80)	-20	31	-20	50,8	2.00	161,8	6.37	106,5	4.19	25,2	0.99	89,0	3.50
4S24FLB20 (20-G84)	-24	31	-20	60,4	2.38	152,9	6.02	97,9	3.85	25,2	0.99	81,9	3.22
4S24FLB24 (24-G84)	-24	38	-24	60,3	2.37	208,9	8.22	130,9	5.15	31,1	1.22	104,0	4.09
4S32FLB24 (24-G92)	-32	38	-24	71,4	2.81	247,4	9.74	169,4	6.67	31,1	1.22	138,0	5.43
4S32FLB32 (32-G92)	-32	51	-32	71,4	2.81	250,3	9.85	172,2	6.78	42,1	1.66	138,0	5.43
6S													
6S20FLB20 (20-G80)	-20	31	-20	50,8	2.00	162,5	6.40	106,5	4.19	25,2	0.99	89,0	3.50
6S24FLB24 (24-G84)	-24	38	-24	60,3	2.37	208,8	8.22	130,8	5.15	31,1	1.22	104,0	4.09
6S32FLB24 (24-G92)	-32	38	-24	71,4	2.81	247,4	9.74	169,4	6.67	31,1	1.22	138,0	5.43
6S32FLB32 (32-G92)	-32	51	-32	71,4	2.81	250,3	9.85	172,2	6.78	42,1	1.66	138,0	5.43

SAE Code 61 Flange (FLH)

110° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S													
4S16FLH16 (16-H73)	-16	25	-16	44,4	1.75	114,6	4.51	74,9	2.95	19,2	0.76	85,2	3.35

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

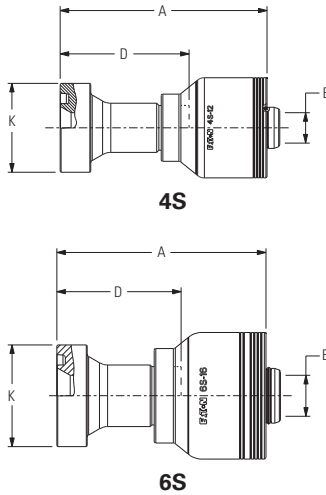
6S Fittings

For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

SAE Code 62 Flange (FH)

Straight

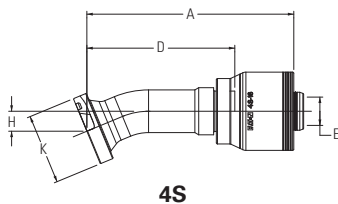


Note: Reference page J-110
for Code 62 Split Flange Kits

Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S8FH8 (08-D08)	-8	12	-8	31,8	1.25	79,5	3.13	52,3	2.06	9,6	0.38
4S12FH8 (08-D12)	-12	12	-8	41,3	1.63	80,6	3.17	53,3	2.10	9,6	0.38
4S12FH10 (10-D12)	-12	16	-10	41,3	1.63	79,6	3.13	53,5	2.11	12,8	0.50
4S12FH12 (12-D12)	-12	19	-12	41,3	1.63	90,7	3.57	54,5	2.15	14,2	0.56
4S16FH12 (12-D16)	-16	19	-12	47,7	1.88	90,2	3.55	54,0	2.13	14,2	0.56
4S12FH16 (16-D12)	-12	25	-16	41,3	1.63	96,3	3.79	56,7	2.23	14,2	0.56
4S16FH16 (16-D16)	-16	25	-16	47,7	1.88	98,9	3.89	59,1	2.33	19,2	0.76
4S20FH16 (16-D20)	-20	25	-16	54,0	2.13	100,8	3.97	61,0	2.40	19,2	0.76
4S16FH20 (20-D16)	-16	31	-20	47,7	1.88	123,8	4.87	68,6	2.70	25,2	0.99
4S20FH20 (20-D20)	-20	31	-20	54,0	2.13	123,3	4.85	68,1	2.68	25,2	0.99
4S24FH20 (20-D24)	-24	31	-20	63,5	2.50	129,0	5.08	73,9	2.91	25,2	0.99
4S24FH24 (24-D24)	-24	38	-24	63,5	2.50	189,6	7.46	111,6	4.39	31,1	1.22
4S32FH24 (24-D32)	-32	38	-24	79,4	3.13	204,4	8.05	126,4	4.89	31,1	1.22
4S32FH32 (32-D32)	-32	51	-32	79,4	3.13	202,7	7.98	124,7	4.91	42,1	1.66
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
6S20FH20 (20-D20)	-20	31	-20	54,0	2.13	124,0	4.88	68,1	2.68	25,2	0.99
6S24FH20 (20-D24)	-24	31	-20	63,5	2.50	129,8	5.11	73,9	2.91	25,2	0.99
6S24FH24 (24-D24)	-24	38	-24	63,5	2.50	189,6	7.46	111,6	4.39	31,1	1.22
6S32FH24 (24-D32)	-32	38	-24	79,4	3.13	204,4	8.05	126,4	4.98	31,1	1.22
6S32FH32 (32-D32)	-32	51	-32	79,4	3.13	202,7	7.98	124,7	4.91	42,1	1.66

SAE Code 62 Flange (FHD)

22.5° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S16FHD16 (16-N03)	-16	25	-16	47,7	1.88	140,0	5.51	100,1	3.94	19,2	0.76	13,5	0.53
4S20FHD16 (16-N04)	-20	25	-16	54,0	2.13	160,9	6.33	121,2	4.77	19,2	0.76	16,3	0.64
4S32FHD32 (32-N06)	-32	51	-32	79,4	3.13	269,6	10.61	191,5	7.54	42,1	1.66	23,5	0.93

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
 H430R-6,-8,-10,-12,-16,-20,-24,-32;
 H464-12,-16,-20,-24,-32;
 H471-12,-16,-20,-24; EC600-12,-16;
 EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

H471-32;
 EC600-20;
 EC810-20,-24,-32

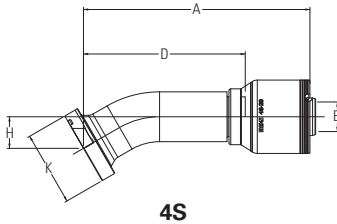
Crimp fittings

Spiral hose fittings
 (4S/6S Series)

H

SAE Code 62 Flange (FHF)

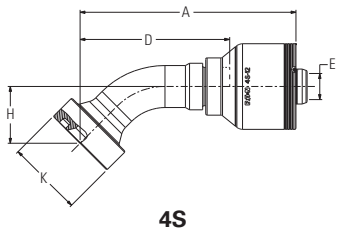
30° Elbow



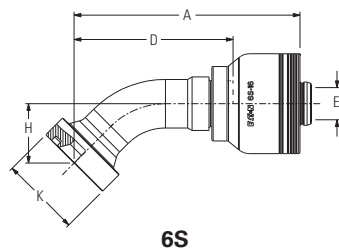
Part Number	Terminal End		Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in	
4S24FHF20 (20-N25)	-24	31	-20	63,5	2.50	192,6	7.58	137,6	5.42	25,2	0.99	26,8	1.06	
4S32FHF32 (32-N26)	-32	51	-32	79,4	3.13	265,8	10.47	187,8	7.39	42,1	1.66	33,9	1.34	

SAE Code 62 Flange (FHA)

45° Elbow



Part Number	Terminal End		Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in	
4S8FHA8 (08-D41)	-8	12	-8	31,8	1.25	77,5	3.05	50,3	1.98	9,1	0.36	19,8	0.78	
4S12FHA8 (08-D42)	-12	12	-8	41,3	1.63	91,4	3.60	64,3	2.53	9,6	0.38	25,7	1.01	
4S12FHA12 (12-D42)	-12	19	-12	41,3	1.63	113,8	4.48	77,6	3.06	14,2	0.56	27,0	1.06	
4S16FHA12 (12-D46)	-16	19	-12	47,7	1.88	128,0	5.04	91,7	3.61	14,2	0.56	32,0	1.26	
4S12FHA16 (16-D42)	-12	25	-16	41,3	1.63	116,9	4.60	77,2	3.04	15,1	0.59	27,0	1.06	
4S16FHA16 (16-D46)	-16	25	-16	47,7	1.88	130,9	5.15	91,2	3.59	19,2	0.76	32,0	1.26	
4S20FHA16 (16-D50)	-20	25	-16	54,0	2.13	150,2	5.91	110,5	4.35	19,2	0.76	39,0	1.54	
4S20FHA20 (20-D50)	-20	31	-20	54,0	2.13	166,6	6.56	111,6	4.39	25,2	0.99	39,0	1.54	
4S24FHA20 (20-D54)	-24	31	-20	63,5	2.50	183,2	7.21	128,2	5.05	25,2	0.99	45,0	1.77	
4S24FHA24 (24-D54)	-24	38	-24	63,5	2.50	214,1	8.43	136,1	5.36	31,1	1.22	45,0	1.77	
4S32FHA24 (24-D62)	-32	38	-24	79,4	3.13	251,0	9.88	173,0	6.81	31,1	1.22	57,5	2.26	
4S32FHA32 (32-D62)	-32	51	-32	79,4	3.13	253,9	10.00	175,9	6.93	42,1	1.66	57,5	2.26	
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in	
6S20FHA20 (20-D50)	-20	31	-20	54,0	2.13	167,6	6.60	111,6	4.39	25,2	0.99	39,0	1.54	
6S24FHA20 (20-D54)	-24	31	-20	63,5	2.50	184,2	7.25	128,2	5.05	25,2	0.99	45,0	1.77	
6S24FHA24 (24-D54)	-24	38	-24	63,5	2.50	214,1	8.43	136,1	5.36	31,1	1.22	45,0	1.77	
6S32FHA24 (24-D62)	-32	38	-24	79,4	3.13	251,0	9.88	173,0	6.81	31,1	1.22	57,5	2.26	
6S32FHA32 (32-D62)	-32	51	-32	79,4	3.13	253,9	10.00	175,9	6.93	42,1	1.66	57,5	2.26	



Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

- H430-6,-8,-10,-12,-16,-20,-24,-32;
- H430R-6,-8,-10,-12,-16,-20,-24,-32;
- H464-12,-16,-20,-24,-32;
- H471-12,-16,-20,-24; EC600-12,-16;
- EC525-12,-16,-20,-24,-32; EC810-12,-16

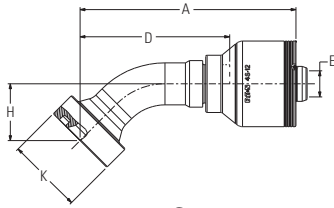
6S Fittings

For use with hoses:

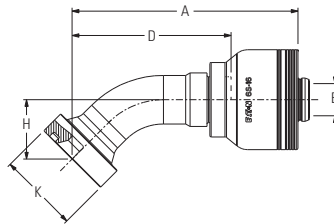
- H471-32;
- EC600-20;
- EC810-20,-24,-32

SAE Code 62 Flange (FHG)

60° Elbow



4S

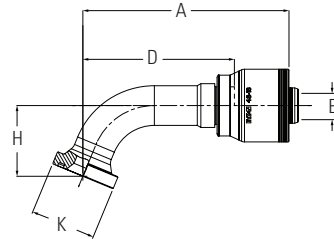


6S

Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H					
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in			
4S12FHG12 (12-N52)	-12	19	-12	41,3	1.63	133,9	5.27	97,7	3.85	14,2	0.56	37,6	1.48				
				4S16FHG16 (16-N53)	-16	25	-16	47,7	1.88	156,4	6.16	116,6	4.59	19,2	0.76	44,6	1.76
				4S32FHG32 (32-N56)	-32	51	-32	79,4	3.13	309,1	12.17	231,1	9.10	42,1	1.66	85,8	3.38
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in				
														6S20FHG20 (20-N54)	-20	31	-20

SAE Code 62 Flange (FHE)

67.5° Elbow



4S

Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S32FHE32 (32-N66)	-32	51	-32	79,4	3.13	297,0	11.69	219,0	8.62	42,1	1.66	99,3	3.91

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
 H430R-6,-8,-10,-12,-16,-20,-24,-32;
 H464-12,-16,-20,-24,-32;
 H471-12,-16,-20,-24; EC600-12,-16;
 EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

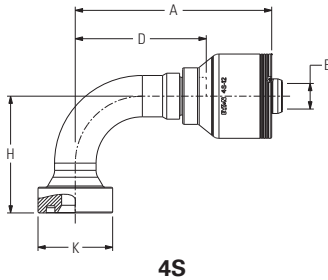
H471-32;
 EC600-20;
 EC810-20,-24,-32

Crimp fittings

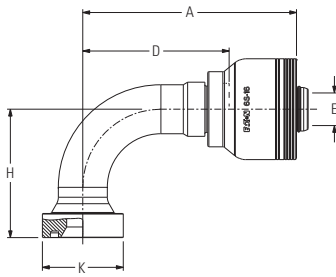
Spiral hose fittings
 (4S/6S Series)

SAE Code 62 Flange (FHB)

90° Elbow



4S



6S

Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S8FHB8 (08-D71)	-8	12	-8	31,8	1.25	69,5	2.74	42,3	1.67	9,1	0.36	41,4	1.63
4S12FHB8 (08-D72)	-12	12	-8	41,3	1.63	85,1	3.35	57,9	2.28	9,6	0.38	54,0	2.13
4S12FHB12 (12-D72)	-12	19	-12	41,3	1.63	108,5	4.27	72,3	2.85	14,2	0.56	59,0	2.32
4S16FHB12 (12-D76)	-16	19	-12	47,7	1.88	122,9	4.84	86,6	3.41	14,2	0.56	71,0	2.80
4S16FHB16 (16-D76)	-16	25	-16	47,7	1.88	125,5	4.94	86,1	3.39	19,2	0.76	71,0	2.80
4S16FHB16.120 (16-D76)	-16	25	-16	47,7	1.88	126,0	4.96	86,2	3.39	19,2	0.76	120,0	4.72
4S20FHB16 (16-D80)	-20	25	-16	54,0	2.13	145,3	5.72	105,4	4.15	19,2	0.76	89,0	3.50
4S16FHB20 (20-D76)	-16	31	-20	47,7	1.88	147,1	5.79	91,9	3.62	25,2	0.99	71,0	2.80
4S20FHB20 (20-D80)	-20	31	-20	54,0	2.13	161,5	6.36	106,5	4.19	25,2	0.99	89,0	3.50
4S20FHB20.120 (20-D80)	-20	31	-20	54,0	2.13	161,5	6.36	106,5	4.19	25,2	0.99	120,0	4.72
4S24FHB20 (20-D84)	-24	31	-20	63,5	2.50	178,0	7.01	123,0	4.84	25,2	0.99	104,0	4.09
4S24FHB24 (24-D84)	-24	38	-24	63,5	2.50	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09
4S32FHB24 (24-D92)	-32	38	-24	79,4	3.13	247,4	9.74	169,4	6.67	31,1	1.22	138,0	5.43
4S32FHB32 (32-D92)	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	138,0	5.43
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16FHB20 (20-D76)	-16	31	-20	47,7	1.88	147,9	5.82	91,9	3.62	25,2	0.99	71,0	2.80
6S20FHB20 (20-D80)	-20	31	-20	54,0	2.13	162,5	6.40	106,5	4.19	25,2	0.99	89,0	3.50
6S24FHB20 (20-D84)	-24	31	-20	63,5	2.50	179,0	7.05	123,0	4.84	25,2	0.99	104,0	4.09
6S24FHB24 (24-D84)	-24	38	-24	63,5	2.50	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09
6S32FHB24 (24-D92)	-32	38	-24	79,4	3.13	247,4	9.74	169,4	6.67	31,1	1.22	138,0	5.43
6S32FHB32 (32-D92)	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	138,0	5.43

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

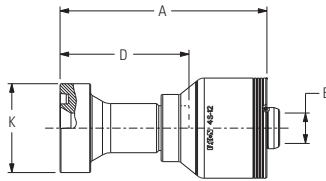
For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

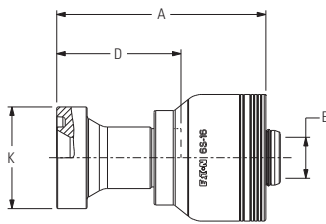
H

CAT® Flange (CT)

Straight



4S



6S

Note: Reference page H-89
for Cat-Flange replacement
"D" ring

Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S	Dash size										
4S12CT12 (12-K12)	-12	19	-12	41,3	1.63	96,2	3.79	60,0	2.36	14,2	0.56
4S16CT12 (12-K16)	-16	19	-12	47,6	1.87	94,9	3.74	58,7	2.31	14,2	0.56
4S16CT16 (16-K16)	-16	25	-16	47,6	1.87	102,1	4.02	62,3	2.45	19,2	0.76
4S20CT16 (16-K20)	-20	25	-16	54,0	2.13	104,8	4.13	65,0	2.56	19,2	0.76
4S20CT20 (20-K20)	-20	31	-20	54,0	2.13	124,5	4.90	69,1	2.72	25,2	0.99
4S24CT20** (20-K24)	-24	31	-20	63,5	2.50	130,9	5.15	75,9	2.99	25,2	0.99
4S24CT24 (24-K24)	-24	38	-24	63,5	2.50	195,0	7.68	117,0	4.61	31,1	1.22
4S32CT24 (24-K32)	-32	38	-24	79,4	3.13	206,0	8.11	128,0	5.04	31,1	1.22
4S32CT32 (32-K32)	-32	51	-32	79,4	3.13	208,9	8.22	130,9	5.15	42,1	1.66
6S	Dash size										
6S20CT20 (20-K20)	-20	31	-20	54,0	2.13	125,2	4.93	69,1	2.72	25,2	0.99
6S24CT20 (20-K24)	-24	31	-20	63,5	2.50	131,8	5.19	75,9	2.99	25,2	0.99
6S24CT24 (24-K24)	-24	38	-24	63,5	2.50	195,0	7.68	117,0	4.61	31,1	1.22
6S32CT24 (24-K32)	-32	38	-24	79,4	3.13	206,0	8.11	128,0	5.04	31,1	1.22
6S32CT32 (32-K32)	-32	51	-32	79,4	3.13	208,9	8.22	130,9	5.15	42,1	1.66

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

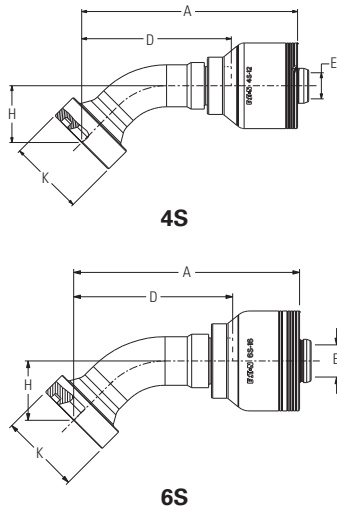
Crimp fittings

Spiral hose fittings
(4S/6S Series)

H

CAT® Flange (CTA)

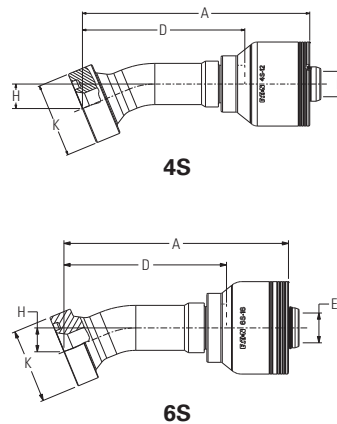
45° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12CTA12 (12-K42)	-12	19	-12	41,3	1,63	117,7	4,63	81,5	3,21	14,2	0,56	30,9	1,22
4S16CTA12 (12-K46)	-16	19	-12	47,6	1,87	131,2	5,17	95,0	3,74	14,2	0,56	35,3	1,39
4S16CTA16 (16-K46)	-16	25	-16	47,6	1,87	134,3	5,29	94,6	3,72	19,2	0,76	35,3	1,39
4S20CTA16 (16-K50)	-20	25	-16	54,0	2,13	153,0	6,02	113,2	4,46	19,2	0,76	41,8	1,65
4S20CTA20 (20-K50)	-20	31	-20	54,0	2,13	169,4	6,67	114,3	4,50	25,2	0,99	41,8	1,65
4S24CTA20** (20-K54)	-24	31	-20	63,5	2,50	184,3	7,26	129,1	5,08	25,2	0,99	46,2	1,82
4S24CTA24 (24-K54)	-24	38	-24	63,5	2,50	215,2	8,47	137,2	5,40	31,1	1,22	46,2	1,82
4S32CTA32 (32-K62)	-32	51	-32	79,4	3,13	255,1	10,04	177,0	6,97	42,1	1,66	58,7	1,31
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S20CTA20 (20-K50)	-20	31	-20	54,0	2,13	170,3	6,70	114,3	4,50	25,2	0,99	41,8	1,65
6S24CTA20 (20-K54)	-24	31	-20	63,5	2,50	185,3	7,30	129,1	5,08	25,2	0,99	46,2	1,82
6S24CTA24 (24-K54)	-24	38	-24	63,5	2,50	215,2	8,47	137,2	5,40	31,1	1,22	46,2	1,82
6S32CTA24 (24-K62)	-32	38	-24	79,4	3,13	252,2	9,93	174,2	6,86	31,1	1,22	58,7	2,31
6S32CTA32 (32-K62)	-32	51	-32	79,4	3,13	255,1	10,04	177,0	6,97	42,1	1,66	58,7	2,31

CAT® Flange (CTD)

22.5° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12CTD12 (12-BD12)	-12	19	-12	41,3	1,63	126,2	4,97	90,2	3,55	14,2	0,56	13,6	0,54
4S16CTD16 (16-BD16)	-16	25	-16	47,6	1,87	144,2	5,68	104,4	4,11	19,2	0,76	15,3	0,60
4S20CTD16 (16-BD20)	-20	25	-16	54,0	2,13	164,5	6,48	124,8	4,91	19,2	0,76	17,8	0,70
4S20CTD20** (20-BD20)	-20	31	-20	54,0	2,13	180,9	7,12	125,9	4,96	25,2	0,99	17,8	0,70
4S24CTD20** (20-BD24)	-24	31	-20	63,5	2,50	197,0	7,76	142,0	5,59	25,2	0,99	19,4	0,76
4S24CTD24 (24-BD24)	-24	38	-24	63,5	2,50	227,9	8,97	149,9	5,90	31,1	1,22	19,4	0,76
4S32CTD32 (32-BD32)	-32	51	-32	79,4	3,13	271,1	10,67	193,0	7,60	42,1	1,66	24,2	0,95
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S20CTD20 (20-BD20)	-20	31	-20	54,0	2,13	181,9	7,16	125,9	4,96	25,2	0,99	17,8	0,70
6S24CTD20 (20-BD24)	-24	31	-20	63,5	2,50	198,0	7,80	142,0	5,59	25,2	0,99	19,4	0,76
6S24CTD24 (24-BD24)	-24	38	-24	63,5	2,50	227,9	8,97	149,9	5,90	31,1	1,22	19,4	0,76
6S32CTD32 (32-BD32)	-32	51	-32	79,4	3,13	271,1	10,67	193,0	7,60	42,1	1,66	24,2	0,95

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

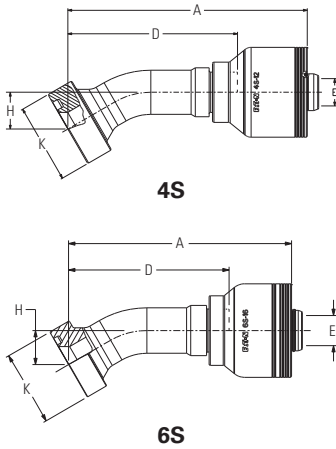
For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

H

CAT® Flange (CTF)

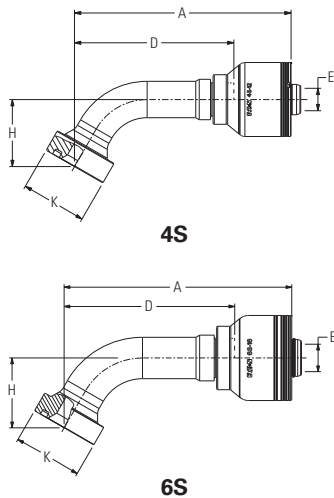
30° Elbow



Part Number	Terminal End		Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in	
4S														
4S12CTF12 (12-BD42)	-12	19	-12	41,3	1.63	124,2	4.89	88,0	3.46	14,2	0.56	19,1	0.75	
4S16CTF16 (16-BD46)	-16	25	-16	47,6	1.87	141,7	5.58	102,0	4.02	19,2	0.76	21,6	0.85	
4S20CTF16 (16-BD50)	-20	25	-16	54,0	2.13	161,7	6.37	122,0	4.80	19,2	0.76	25,3	1.00	
4S20CTF20** (20-BD50)	-20	31	-20	54,0	2.13	178,1	7.01	123,1	4.85	25,2	0.99	25,3	1.00	
4S24CTF20** (20-BD54)	-24	31	-20	63,5	2.50	194,0	7.64	138,9	5.47	25,2	0.99	27,7	1.09	
4S24CTF24 (24-BD54)	-24	38	-24	63,5	2.50	224,8	8.85	146,8	5.78	31,1	1.22	27,7	1.09	
4S32CTF32 (32-BD62)	-32	51	-32	79,4	3.13	267,3	10.52	189,2	7.45	42,1	1.66	34,8	1.37	
6S														
6S20CTF20 (20-BD50)	-20	31	-20	54,0	2.13	179,1	7.05	123,1	4.85	25,2	0.99	25,3	1.00	
6S24CTF20 (20-BD54)	-24	31	-20	63,5	2.50	194,9	7.67	138,9	5.47	25,2	0.99	27,7	1.09	
6S24CTF24 (24-BD54)	-24	38	-24	63,5	2.50	224,8	8.85	146,8	5.78	31,1	1.22	27,7	1.09	
6S32CTF24 (24-BD62)	-32	38	-24	79,4	3.13	264,3	10.41	186,3	7.34	31,1	1.22	34,8	1.37	
6S32CTF32 (32-BD62)	-32	51	-32	79,4	3.13	267,3	10.52	189,2	7.45	42,1	1.66	34,8	1.37	

CAT® Flange (CTG)

60° Elbow



Part Number	Terminal End		Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in	
4S														
4S12CTG12 (12-BD72)	-12	19	-12	41,3	1.63	136,6	5.38	100,5	3.96	14,2	0.56	42,3	1.67	
4S16CTG16 (16-BD76)	-16	25	-16	47,6	1.87	158,8	6.25	119,0	4.69	19,2	0.76	48,7	1.92	
4S20CTG16 (16-BD80)	-20	25	-16	54,0	2.13	185,2	7.29	145,5	5.73	19,2	0.76	59,2	2.33	
4S20CTG20** (20-BD80)	-20	31	-20	54,0	2.13	201,6	7.94	146,6	5.77	25,2	0.99	59,2	2.33	
4S24CTG20** (20-BD84)	-24	31	-20	63,5	2.50	223,3	8.79	168,3	6.63	25,2	0.99	66,6	2.62	
4S24CTG24 (24-BD84)	-24	38	-24	63,5	2.50	254,2	10.01	176,2	6.94	31,1	1.22	66,6	2.62	
4S32CTG32 (32-BD92)	-32	51	-32	79,4	3.13	310,0	12.20	231,9	9.13	42,1	1.66	87,3	3.44	
6S														
6S20CTG20 (20-BD80)	-20	31	-20	54,0	2.13	202,6	7.98	146,6	5.77	25,2	0.99	59,2	2.33	
6S24CTG20 (20-BD84)	-24	31	-20	63,5	2.50	224,3	8.83	168,3	6.63	25,2	0.99	66,6	2.62	
6S24CTG24 (24-BD84)	-24	38	-24	63,5	2.50	254,2	10.01	176,2	6.94	31,1	1.22	66,6	2.62	
6S32CTG24 (24-BD92)	-32	38	-24	79,4	3.13	307,0	12.09	229,0	9.02	31,1	1.22	87,3	3.44	
6S32CTG32 (32-BD92)	-32	51	-32	79,4	3.13	310,0	12.20	231,9	9.13	42,1	1.66	87,3	3.44	

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
 H430R-6,-8,-10,-12,-16,-20,-24,-32;
 H464-12,-16,-20,-24,-32;
 H471-12,-16,-20,-24; EC600-12,-16;
 EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

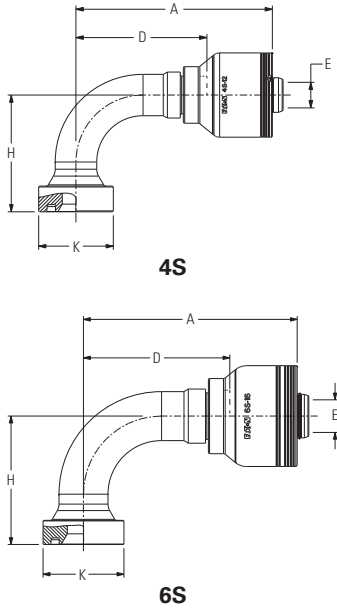
H471-32;
 EC600-20;
 EC810-20,-24,-32

Crimp fittings

Spiral hose fittings
 (4S/6S Series)

CAT® Flange (CTB)

90° Elbow



Part Number	Terminal End		Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in	
4S														
4S12CTB12 (12-K72)	-12	19	-12	41,3	1.63	108,5	4.27	72,3	2.85	14,2	0.56	64,5	2.54	
4S16CTB12 (12-K76)	-16	19	-12	47,6	1.87	122,8	4.83	86,6	3.41	14,2	0.56	75,7	2.98	
4S16CTB16 (16-K76)	-16	25	-16	47,6	1.87	126,0	4.96	86,2	3.39	19,2	0.76	75,7	2.98	
4S20CTB16 (16-K80)	-20	25	-16	54,0	2.13	145,2	5.72	105,4	4.15	19,2	0.76	92,9	3.66	
4S20CTB20 (20-K80)	-20	31	-20	54,0	2.13	161,5	6.36	106,5	4.19	25,2	0.99	92,9	3.66	
4S24CTB20** (20-K84)	-24	31	-20	63,5	2.50	178,0	7.01	123,0	4.84	25,2	0.99	105,6	4.16	
4S24CTB24 (24-K24)	-24	38	-24	63,5	2.50	208,9	8.22	130,9	5.15	31,1	1.22	105,7	4.16	
4S32CTB32 (32-K32)	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	139,7	5.50	
6S														
6S20CTB20 (20-K80)	-20	31	-20	54,0	2.13	162,5	6.40	106,5	4.19	25,2	0.99	92,9	3.66	
6S24CTB20 (20-K84)	-24	31	-20	63,5	2.50	179,0	7.05	123,0	4.84	25,2	0.99	105,6	4.16	
6S24CTB24 (24-K24)	-24	38	-24	63,5	2.50	208,9	8.22	130,9	5.15	31,1	1.22	105,7	4.16	
6S32CTB24 (24-K32)	-32	38	-24	79,4	3.13	247,4	9.74	169,4	6.67	31,1	1.22	139,7	5.50	
6S32CTB32 (32-K32)	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	139,7	5.50	

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

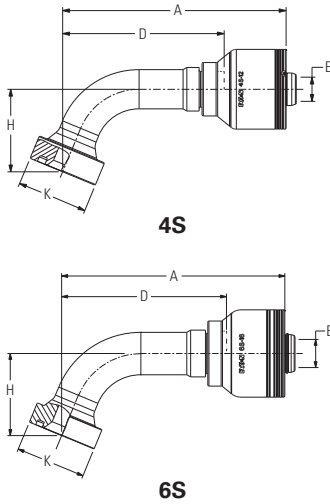
For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

H

CAT® Flange (CTE)

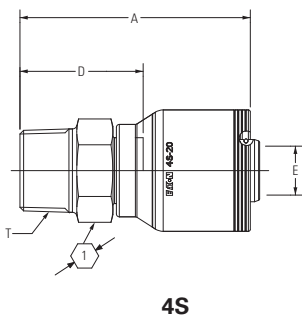
67.5° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S													
4S12CTE12 (12-BE12)	-12	19	-12	41,3	1.63	130,7	5.15	94,5	3.72	14,2	0.56	48,3	1.90
4S16CTE16 (16-BE16)	-16	25	-16	47,6	1.87	151,9	5.98	112,2	4.42	19,2	0.76	55,8	2.20
4S20CTE16 (16-BE20)	-20	25	-16	54,0	2.13	176,9	6.96	137,1	5.40	19,2	0.76	68,1	2.68
4S20CTE20** (20-BE20)	-20	31	-20	54,0	2.13	193,3	7.61	138,3	5.44	25,2	0.99	68,1	2.68
4S24CTE20** (20-BE24)	-24	31	-20	63,5	2.50	214,0	8.42	159,0	6.26	25,2	0.99	76,8	3.02
4S24CTE24 (24-BE24)	-24	38	-24	63,5	2.50	244,8	9.64	166,8	6.57	31,1	1.22	76,8	3.02
4S32CTE32 (32-BE32)	-32	51	-32	79,4	3.13	297,6	11.72	219,6	8.65	42,1	1.66	100,8	3.97
6S													
6S20CTE20 (20-BE20)	-20	31	-20	54,0	2.13	194,2	7.65	138,3	5.44	25,2	0.99	68,1	2.68
6S24CTE20 (20-BE24)	-24	31	-20	63,5	2.50	214,9	8.46	159,0	6.26	25,2	0.99	76,8	3.02
6S24CTE24 (24-BE24)	-24	38	-24	63,5	2.50	244,8	9.64	166,8	6.57	31,1	1.22	76,8	3.02
6S32CTE24 (24-BE32)	-32	38	-24	79,4	3.13	294,7	11.60	216,7	8.53	31,1	1.22	100,8	3.97
6S32CTE32 (32-BE32)	-32	51	-32	79,4	3.13	297,6	11.72	219,6	8.65	42,1	1.66	100,8	3.97

BSP Male Tapered Rigid (BT)

Straight



Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		①
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm
4S											
4S12BT12 (12-162)	-12	19	-12	R 3/4-14	84,0	3.31	47,7	1.88	14,2	0.56	27,0
4S16BT16 (16-166)	-16	25	-16	R 1-11	94,9	3.74	55,2	2.17	19,2	0.76	36,0
4S20BT20 (20-170)	-20	31	-20	R 1 1/4-11	118,4	4.66	63,3	2.49	25,2	0.99	46,0

"R" as part of thread size is ISO designation for tapered thread.

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
 H430R-6,-8,-10,-12,-16,-20,-24,-32;
 H464-12,-16,-20,-24,-32;
 H471-12,-16,-20,-24; EC600-12,-16;
 EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

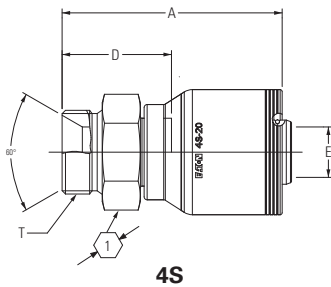
H471-32;
 EC600-20;
 EC810-20,-24,-32

Crimp fittings

Spiral hose fittings
 (4S/6S Series)

BSP Male Parallel Rigid (BP)

60° Cone Seat
 Straight

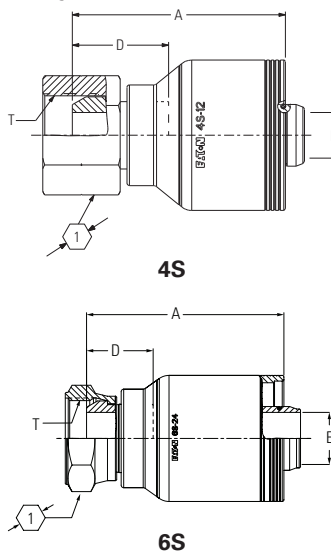


Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	
4S12BP12 (12-P62)	-12	19	-12	G 3/4-14	79,6	3.13	43,4	1.71	14,2	0.56	32,0
4S16BP16 (12-P66)	-16	25	-16	G 1-11	89,8	3.53	50,1	1.97	19,2	0.75	41,0
4S20BP20 (20-P67)	-20	31	-20	G 1 1/4-11	109,7	4.32	54,5	2.15	25,1	0.99	50,0

"G" as part of thread size is ISO designation for parallel thread.

Female BSPP Swivel (BF)

60° Cone Seat
 Straight



Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	
4S6BF6	-6	10	-6	G 3/8	46,4	1.83	21,1	0.83	6,7	0.26	22,0
4S8BF8 (08-358)	-8	12	-8	G 1/2	53,5	2.11	23,8	0.94	9,6	0.38	27,0
4S12BF12 (12-362)	-12	19	-12	G 3/4	66,2	2.61	29,9	1.18	14,2	0.56	32,0
4S16BF12 (12-366)	-16	19	-12	G 1	68,7	2.70	32,3	1.27	14,2	0.56	41,0
4S16BF16 (16-366)	-16	25	-16	G 1	71,0	2.80	32,3	1.27	19,2	0.76	41,0
4S20BF16 (16-370)	-20	25	-16	G 1 1/4	72,5	2.85	32,7	1.29	19,2	0.76	50,0
4S20BF20 (20-370)	-20	31	-20	G 1 1/4	82,8	3.26	32,7	1.29	25,2	0.99	50,0
4S24BF24 (24-374)	-24	38	-24	G 1 1/2	117,9	4.64	39,8	1.57	31,1	1.22	55,0
4S32BF32 (32-375)	-32	51	-32	G 2	121,0	4.76	43,0	1.69	42,1	1.66	70,0
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm
6S24BF24 (24-374)	-24	38	-24	G 1 1/2	117,9	4.64	39,8	1.57	31,1	1.22	55,0
6S32BF32 (32-375)	-32	51	-32	G 2	121,0	4.76	43,0	1.69	42,1	1.66	70,0

"G" as part of thread size is ISO designation for parallel thread.

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

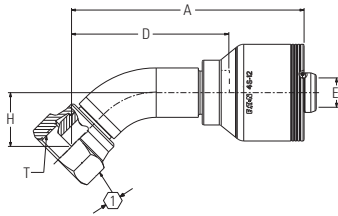
For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

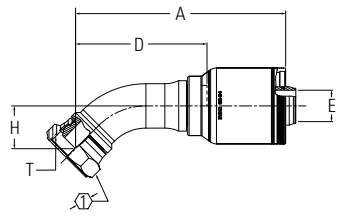
H

Female BSPP Swivel (BFA)

60° Cone Seat
45° Elbow



4S



6S

Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		H		1
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	
4S6BFA6	-6	10	-6	G 3/8	73,8	2.91	48,5	1.91	6,7	0.26	19,0	0.75	22,0		
4S8BFA8	-8	12	-8	G 1/2	91,5	3.60	61,8	2.43	9,6	0.38	24,8	0.98	27,0		
4S12BFA12 (12-52P)	-12	19	-12	G 3/4	112,3	4.42	75,9	2.99	14,2	0.56	26,0	1.02	32,0		
4S16BFA12 (12-56P)	-16	19	-12	G 1	115,8	4.56	79,5	3.13	14,2	0.56	30,0	1.18	41,0		
4S16BFA16 (16-56P)	-16	25	-16	G 1	130,3	5.13	90,6	3.57	19,2	0.76	30,0	1.18	41,0		
4S20BFA16 (16-60P)	-20	25	-16	G 1 1/4	133,0	5.24	93,4	3.68	19,2	0.76	34,0	1.34	50,0		
4S20BFA20 (20-60P)	-20	31	-20	G 1 1/4	149,5	5.89	99,1	3.90	25,2	0.99	34,0	1.34	50,0		
4S24BFA24 (24-64P)	-24	38	-24	G 1 1/2	208,3	8.20	130,3	5.13	31,1	1.22	42,4	1.67	55,0		
4S32BFA32 (32-65P)	-32	51	-32	G 2	248,4	9.78	170,4	6.71	42,1	1.66	54,1	2.13	70,0		
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm		
6S24BFA24 (24-64P)	-24	38	-24	G 1 1/2	208,3	8.20	130,3	5.13	31,1	1.22	42,4	1.67	55,0		
6S32BFA32 (32-65P)	-32	51	-32	G 2	248,4	9.78	170,4	6.71	42,1	1.66	54,1	2.13	70,0		

"G" as part of thread size is ISO designation for parallel thread.

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

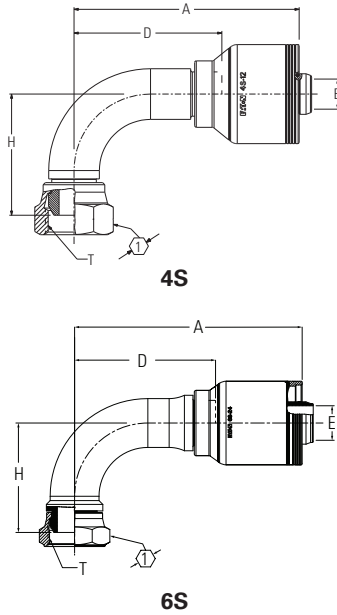
H471-32;
EC600-20;
EC810-20,-24,-32

Crimp fittings

Spiral hose fittings
(4S/6S Series)

Female BSPP Swivel (BFB)

60° Cone Seat
90° Elbow

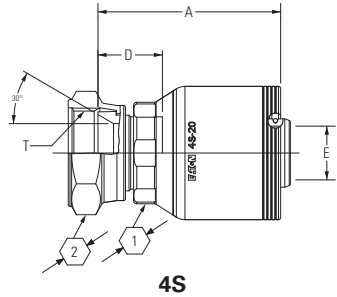


Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		H		1
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	
4S															
4S6BFB6	-6	10	-6	G 3/8	58,9	2.32	33,6	1.32	6,7	0.26	35,0	1.38	22,0		
4S8BFB8	-8	12	-8	G 1/2	63,9	2.52	34,2	1.35	9,6	0.38	37,5	1.48	27,0		
4S12BFB12 (12-82P)	-12	19	-12	G 3/4	105,9	4.17	69,6	2.74	14,2	0.56	57,0	2.24	32,0		
4S16BFB12 (12-86P)	-16	19	-12	G 1	105,9	4.17	69,6	2.74	14,2	0.56	68,0	2.68	41,0		
4S16BFB16 (16-86P)	-16	25	-16	G 1	125,5	4.94	85,8	3.38	19,2	0.76	68,0	2.68	41,0		
4S20BFB16 (16-90P)	-20	25	-16	G 1 1/4	125,5	4.94	85,8	3.38	19,2	0.76	79,0	3.11	50,0		
4S20BFB20 (20-90P)	-20	31	-20	G 1 1/4	145,0	5.71	95,0	3.74	25,2	0.99	79,0	3.11	50,0		
4S24BFB24 (24-94P)	-24	38	-24	G 1 1/2	205,1	8.07	127,0	5.00	31,1	1.22	98,6	3.88	55,0		
4S32BFB32 (32-95P)	-32	51	-32	G 2	245,7	9.67	167,6	6.60	42,1	1.66	125,3	4.93	70,0		
6S															
6S24BFB24 (24-94P)	-24	38	-24	G 1 1/2	205,1	8.07	127,0	5.00	31,1	1.22	98,6	3.88	55,0		
6S32BFB32 (32-95P)	-32	51	-32	G 2	245,7	9.67	167,6	6.60	42,1	1.66	125,3	4.93	70,0		

"G" as part of thread size is ISO designation for parallel thread.

JIS Female swivel (JF)

30° Flare Seat
Straight



Part Number	Terminal End		Hose Size		Thread		A		D		E Ø		1		2	
	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
4S																
4S6JF6	-6	10	-6	G 3/8	55,2	2.17	33,9	1.33	6,7	0.26	22,0	0.87	22,0			
4S8JF8	-8	12	-8	G 1/2	64,4	2.54	37,1	1.46	9,6	0.38	27,0	1.06	27,0			
4S12JF12 (12-12L)	-12	19	-12	G 3/4	62,4	2.46	26,2	1.03	14,2	0.56	30,0	¹ 3/16	32,0			
4S16JF16 (16-16L)	-16	25	-16	G 1	66,6	2.62	26,8	1.06	19,2	0.76	41,0	1 5/8	41,0			
4S20JF20 (20-20L)	-20	31	-20	G 1 1/4	85,5	3.37	30,2	1.19	25,2	0.99	46,0	¹ 13/16	50,0			

"G" as part of thread size is ISO designation for parallel thread.

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

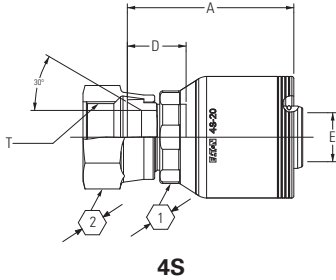
For use with hoses:

H471-32;
EC600-20;
EC810-20,-24,-32

H

Komatsu Female Swivel (KF)

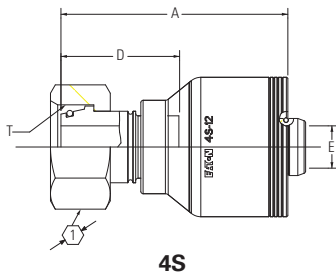
30° Flare Seat
Straight



Part Number	Terminal End		Hose Size		Thread	A		D		E Ø		1	2	
	4S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm	in	
4S8KF8		-8	12	-8	M22X1.5	67,1	2.64	39,8	1.57	9,6	0.38	27,0	1.06	27,0
4S10KF10		-10	16	-10	M24X1.5	72,1	2.84	46,0	1.81	12,4	0.49	30,0	1 3/16	31,8
4S12KF12 (12-30K)		-12	19	-12	M30X1.5	62,4	2.46	26,2	1.03	14,2	0.56	30,0	1 3/16	36,0
4S16KF16 (16-33K)		-16	25	-16	M33X1.5	66,6	2.62	26,8	1.06	19,2	0.76	41,0	1 5/8	41,0
4S20KF20 (20-36K)		-20	31	-20	M36X1.5	85,5	3.37	30,2	1.19	25,2	0.99	46,0	1 13/16	46,0

Female Swivel DIN 24° seat (DL)

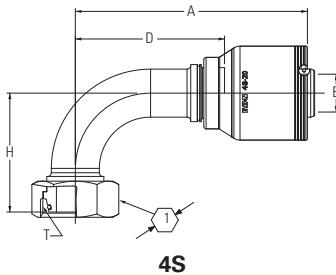
I.Rh DKO (Light)
Straight



Part Number	Hose Size		Thread	A		D		E Ø		1
	4S	DN Dash size	Metric	mm	in	mm	in	mm	in	mm
4S8DL6		10 -6	M16x1.5	50,5	1.99	25,2	0.99	6,7	0.26	19,0
4S10DL6		10 -6	M18x1.5	51,2	2.01	25,9	1.02	6,7	0.26	22,0
4S12DL8		12 -8	M22x1.5	58,3	2.30	28,6	1.13	9,6	0.38	27,0
4S16DL10		16 -10	M26x1.5	59,2	2.33	29,8	1.17	12,8	0.50	32,0
4S20DL12 (12-22C)		19 -12	M30X2	76,0	2.99	39,7	1.56	14,2	0.56	36,0
4S25DL16 (16-28C)		25 -16	M36X2	79,7	3.14	40,3	1.59	19,2	0.76	41,0
4S32DL20 (20-35C)		31 -20	M45X2	100,5	3.96	45,5	1.79	25,2	0.99	50,0

Female Swivel DIN 24° Seat (DLB)

I.Rh DKO (Light)
90° Elbow



Part Number	Hose Size		Thread	A		D		E Ø		H	1	
	4S	DN Dash size	Metric	mm	in	mm	in	mm	in	mm		
4S20DLB12 (12-72D)		19 -12	M30X2	106,1	4.18	69,8	2.75	14,2	0.56	50,7	2.00	36,0
4S32DLB20 (20-85D)		31 -20	M45X2	154,2	6.07	99,2	3.90	25,2	0.99	79,0	3.11	50,0

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
 H430R-6,-8,-10,-12,-16,-20,-24,-32;
 H464-12,-16,-20,-24,-32;
 H471-12,-16,-20,-24; EC600-12,-16;
 EC525-12,-16,-20,-24,-32; EC810-12,-16

6S Fittings

For use with hoses:

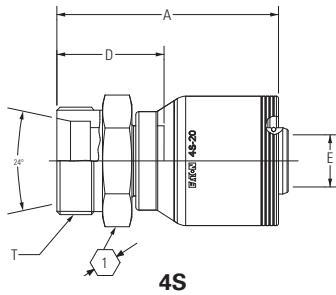
H471-32;
 EC600-20;
 EC810-20,-24,-32

Crimp fittings

Spiral hose fittings
 (4S/6S Series)

Male DIN 24° Seat Rigid (EK)

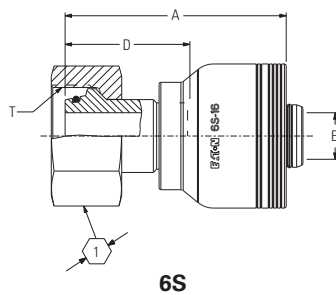
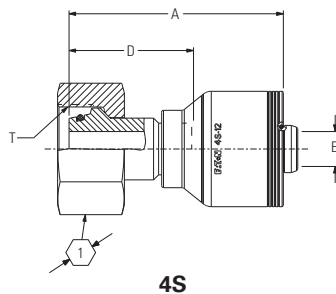
S.Rh. DKO (Heavy)
 Straight



Part Number	Hose Size		Thread	A		D		E Ø		1
	DN	Dash size		mm	in	mm	in	mm	in	
4S6EK6	10	-6	M18X1.5	45,5	1.79	24,2	0.95	6,7	0.26	19,0
4S8EK6	10	-6	M20X1.5	50,3	1.98	25,0	0.98	6,7	0.26	22,0
4S12EK8	12	-8	M24X1.5	58,0	2.28	28,3	1.11	9,6	0.38	27,0
4S16EK10	16	-10	M30X2	62,0	2.44	32,7	1.29	12,8	0.50	32,0
4S20EK12 (12-25F)	19	-12	M36X2	78,6	3.09	42,3	1.67	14,2	0.56	41,0
4S25EK16 (16-30F)	25	-16	M42X2	83,7	3.30	44,0	1.73	19,2	0.75	46,0
4S32EK20 (20-35F)	31	-20	M52X2	106,9	4.21	51,7	2.04	25,2	0.99	55,0

Female swivel DIN 24° seat (DS)

s.RH DKO (heavy)
 Straight



Part Number	Hose Size		Thread	A		D		E Ø		1
	DN	Dash size		mm	in	mm	in	mm	in	
4S8DS6	10	-6	M20x1.5	53,8	2.12	28,5	1.12	6,7	0.26	24,0
4S10DS6	10	-6	M22x1.5	56,9	2.24	31,6	1.24	6,7	0.26	27,0
4S12DS8	12	-8	M24x1.5	62,4	2.46	32,7	1.29	9,6	0.38	30,0
4S16DS10	16	-10	M30x2	66,9	2.63	37,5	1.48	12,8	0.50	36,0
4S16DS12 (12-70C)	19	-12	M30X2	73,7	2.90	37,4	1.47	14,2	0.56	36,0
4S20DS12 (12-75C)	19	-12	M36X2	86,6	3.41	50,3	1.98	14,2	0.56	46,0
4S25DS12 (12-80C)	19	-12	M42X2	88,2	3.47	51,9	2.04	14,2	0.56	50,0
4S25DS16 (16-80C)	25	-16	M42X2	91,1	3.59	51,4	2.02	19,2	0.76	50,0
4S32DS16 (16-88C)	25	-16	M52X2	94,5	3.72	55,3	2.18	19,2	0.76	60,0
4S25DS20 (20-80C)	31	-20	M42X2	96,6	3.80	41,6	1.64	22,1	0.87	50,0
4S32DS20 (20-88C)	31	-20	M52X2	111,5	4.39	56,5	2.22	25,2	0.99	60,0
6S	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
6S32DS20 (20-88C)	31	-20	M52X2	112,5	4.43	56,5	2.22	25,2	0.99	60,0

Crimp fittings

Spiral hose fittings
(4S/6S Series)

4S Fittings

For use with hoses:

H430-6,-8,-10,-12,-16,-20,-24,-32;
H430R-6,-8,-10,-12,-16,-20,-24,-32;
H464-12,-16,-20,-24,-32;
H471-12,-16,-20,-24; EC600-12,-16;
EC525-12,-16,-20,-24,-32; EC810-12,-16

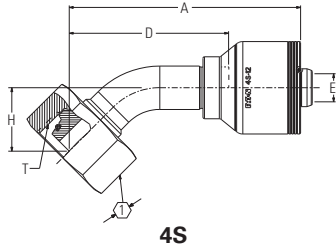
6S Fittings

For use with hoses:

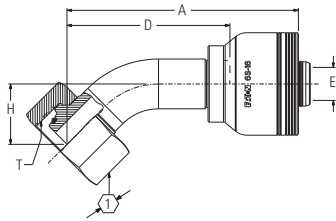
H471-32;
EC600-20;
EC810-20,-24,-32

Female Swivel DIN 24° seat (DSA)

S.Rh DKO (heavy)
45° Elbow



4S

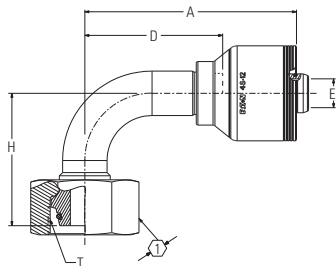


6S

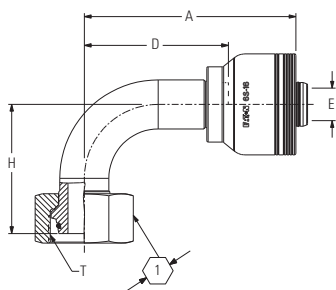
Part Number	Hose Size		Thread	A		D		E Ø		H		mm
	DN	Dash size		mm	in	mm	in	mm	in	mm	in	
4S8DSA6	10	-6	M20x1.5	66,3	2.61	41,0	1.61	6,7	0.26	17,2	0.68	24,0
4S12DSA8	12	-8	M24x1.5	86,7	3.41	57,0	2.24	9,6	0.38	24,0	0.94	30,0
4S16DSA10	16	-10	M30x2	87,1	3.43	57,7	2.27	12,0	0.47	24,7	0.97	36,0
4S20DSA12 (12-25E)	19	-12	M36x2	116,7	4.59	80,4	3.17	14,2	0.56	32,0	1.26	46,0
4S25DSA12 (12-30E)	19	-12	M42x2	130,8	5.15	94,4	3.72	14,2	0.56	35,0	1.38	50,0
4S25DSA16 (16-30E)	25	-16	M42x2	134,2	5.28	94,4	3.72	19,2	0.76	35,0	1.38	50,0
4S32DSA16 (16-88C)	25	-16	M52x2	145,1	5.71	105,3	4.15	19,2	0.76	39,0	1.54	60,0
4S32DSA20 (20-88C)	31	-20	M52x2	161,3	6.35	106,3	4.19	25,2	0.99	39,0	1.54	60,0
6S	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm	in	mm
6S32DSA20 (20-88C)	31	-20	M52x2	162,4	6.39	106,3	4.19	25,2	0.99	39,0	1.54	60,0

Female swivel DIN 24° seat (DSB)

S.Rh DKO (heavy)
90° Elbow



4S



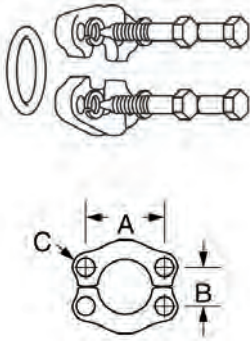
6S

Part Number	Hose Size		Thread	A		D		E Ø		H		mm
	DN	Dash size		mm	in	mm	in	mm	in	mm	in	
4S8DSB6	10	-6	M20X1.5	55,9	2.20	34,6	1.36	6,7	0.26	35,3	1.39	24,0
4S10DSB6	10	-6	M22X1.5	59,8	2.35	38,5	1.52	6,7	0.26	42,0	1.65	27,0
4S12DSB8	12	-8	M24X1.5	77,7	3.06	48,0	1.89	9,6	0.38	45,3	1.78	30,0
4S16DSB10	16	-10	M30x2	82,0	3.23	52,6	2.07	12,8	0.50	52,0	2.05	36,0
4S20DSB12 (12-75E)	19	-12	M36x2	103,9	4.09	67,7	2.67	14,2	0.56	65,0	2.56	46,0
4S25DSB12 (12-80E)	19	-12	M42x2	122,7	4.83	86,4	3.40	14,2	0.56	76,0	2.99	50,0
4S25DSB16 (16-80E)	25	-16	M42x2	124,5	4.90	84,8	3.34	19,2	0.76	76,0	2.99	50,0
4S32DSB16 (16-88E)	25	-16	M52x2	136,7	5.38	97,0	3.82	19,2	0.76	89,0	3.50	60,0
4S32DSB20 (20-88E)	31	-20	M52x2	153,0	6.02	98,0	3.86	25,2	0.99	89,0	3.50	60,0
6S	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm	in	mm
6S32DSB20 (20-88E)	31	-20	M52x2	154,2	6.07	98,0	3.86	25,2	0.99	89,0	3.50	60,0

Flange accessories

Split Flange Kits – SAE Standard

Pressure Series
(Ref. SAE Code 61) SAE J518



O-Ring Material

Buna-N 90 Durometer

Temperature range

-40°F to +250°F
(-40°C to + 121°C)

Standard o-ring complies with SAE specification SAE J515 Type CH

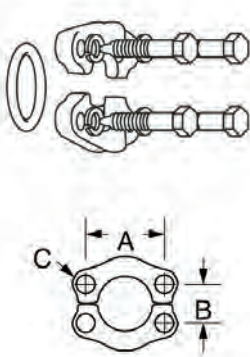
Included in kit

Nominal Flange Size	Part Number Complete Kit	Flange Halves 2 Req'd.	O-Ring	Bolts	Lock Washer	A	B	C	Bolt torque range Lb.-In.
1/2	SFK-08	8x251	8x252	8x853	8x254	1.50	.69	11/32	175-225
3/4	SFK-12	12x251	12x252	12x853	12x254	1.88	.88	13/32	250-350
1	SFK-16	16x251	16x252	12x853	12x254	2.06	1.03	13/32	325-425
1-1/4	SFK-20	20x251	20x252	20x853	20x254	2.31	1.19	15/32	425-550
1-1/2	SFK-24	24x251	24x252	24x853	24x254	2.75	1.41	17/32	550-700
2	SFK-32	32x251	32x252	24x853	24x254	3.06	1.69	17/32	650-800

Flanges conform to SAE J518.

Split Flange Kits – SAE High Pressure Series

(Ref. SAE Code 62) SAE J518



O-Ring Material

Buna-N 90 Durometer

Temperature range

-40°F to +250°F
(-40°C to + 121°C)

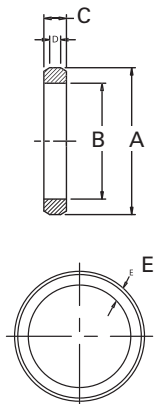
Standard o-ring complies with SAE specifications SAE J515 Type CH

Included in kit

Nominal Flange Size	Part Number Complete Kit	Flange Halves 2 Req'd.	O-Ring	Bolts	Lock Washer	A	B	C	Bolt torque range Lb.-In.
1/2	SFK62-8	8x262	8x252	8x853	8x254	1.57	.72	5/16	175-225
3/4	SFK62-12	12x262	12x252	12x863	12x254	2.00	.94	13/32	300-400
1	SFK62-16	16x262	16x252	12x863	12x254	2.25	1.09	15/32	500-600
1-1/4	SFK62-20	20x262	20x252	20x863	20x254	2.63	1.25	17/32	750-900
1-1/2	SFK62-24	24x262	24x252	24x863	24x264	3.12	1.44	21/32	1400-1600
2	SFK62-32	32x262	32x252	24x863	24x264	3.81	1.75	25/32	2400-2600

NOTE: Code 62 split flange kits cannot be used with Thick Flange™ hose Ends. Use existing split flanges. Flanges conform to SAE J518.

Cat-Flange D-Ring*



Material

Nitrile (Buna-N)

Temperature range

-40°F to +212°F
(-40°C to +100°C)

Part Number	A Ref		B Ref		C Ref		D Ref		E Ref	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
FF90319-12	1.27	32,3	1.00	25,4	.20	5,1	.10	2,5	.135	3,4
FF90319-16	1.52	36,6	1.25	31,8	.20	5,1	.10	2,5	.135	3,4
FF90319-20	1.77	45,0	1.50	38,1	.20	5,1	.10	2,5	.135	3,4
FF90319-24	2.03	51,6	1.76	44,7	.20	5,1	.10	2,5	.135	3,4
FF90319-32	2.78	70,6	2.52	64,0	.20	5,1	.10	2,5	.135	3,4

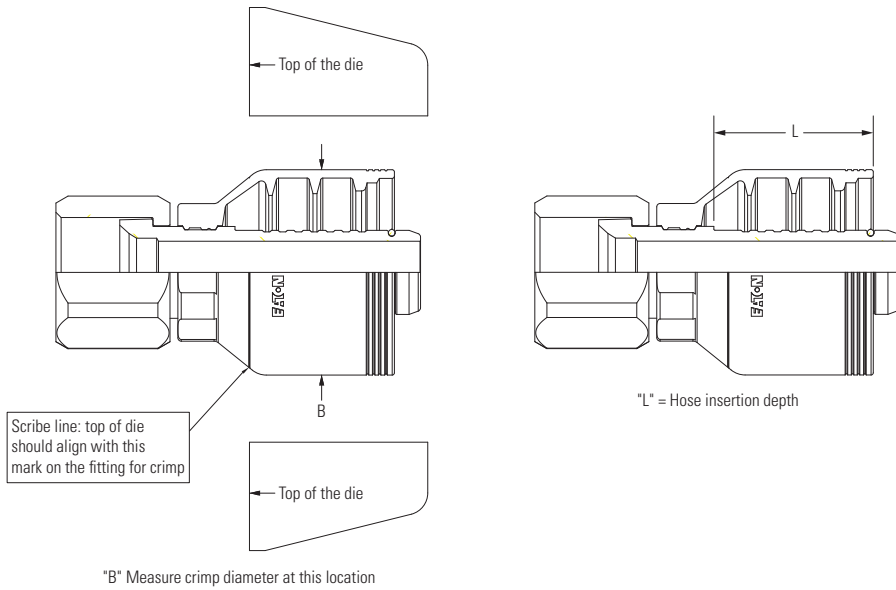
*To be used only with Cat-Flange hose ends.

Crimp fittings

Spiral hose fittings
(4S/6S Series)

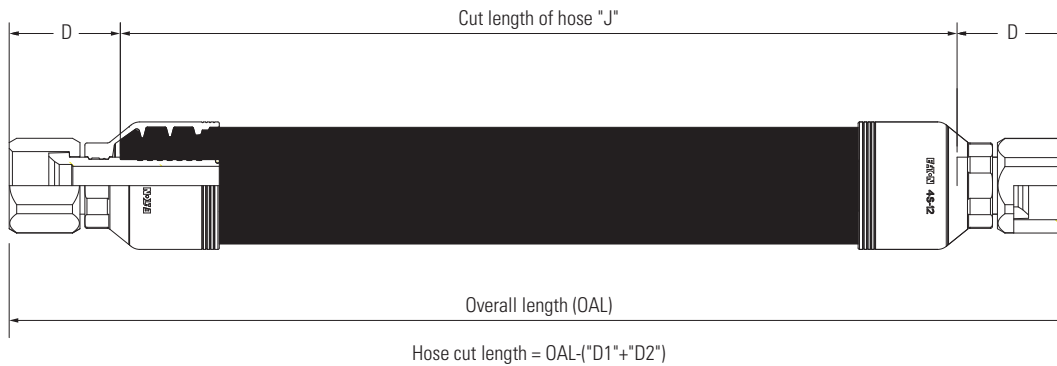
H

Fitting for crimp die placement



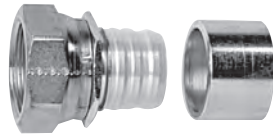
L Dimension

4S	mm	inches
4S-06	20,8	0.82
4S-08	28,2	1.11
4S-10	25,4	1.00
4S-12	36,2	1.43
4S-16	39,8	1.57
4S-20	55,1	2.17
4S-24	78,0	3.07
4S-32	78,0	3.07
6S	mm	inches
6S-16	39,8	1.57
6S-20	55,9	2.20
6S-24	78,0	3.07
6S-32	78,0	3.07



To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Conv-O-Crimp hose ends

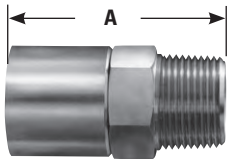


The unique Everflex Conv-O-Crimp hose end are shipped with factory-installed Teflon sleeves on the insert. This eliminates the time consuming, costly and subjective step of wrapping the hose end with Teflon tape before assembly. The end result is a hose assembly system that is second to none in ease of assembly fabrication. Common

industrial configurations are available in carbon steel and 316 stainless steel (wetted surfaces). Finished assemblies can be acquired from an authorized Everflex distributor or the factory.

Teflon is a trademark of The Chemours Company FC, LLC used under license by Eaton.

Male Pipe



Hose Size	Hose I.D.	Part Number	Part No. Suffix Letter	Thread NPT	A Overall Length In.	Hose Cut-Off Factor†	Nominal I.D. In.
-8	1/2	8-108	A,B,C	1/2-14	2.33	1.38	.406
-12	3/4	12-112	A,B,C	3/4-14	2.48	1.38	.625
-16	1	16-116	A,B,C	1 1/2-11	2.95	1.76	.828
-20	1-1/4	20-120	A,B,C	1 1/4-11-1/2	2.98	1.79	1.078
-24	1-1/2	24-124	A,B,C	1 1/2-11-1/2	3.01	1.82	1.305
-32	2	32-132	A,B,C	2 1/2-11	3.43	1.98	1.781

A= Insert - 316 S.S., Nut & Collar - 304 S.S. B= Insert - 316 S.S., Nut - 304 S.S., Collar - Carbon Steel. C= All Components - Carbon Steel

Male Pipe inserts with Teflon sleeves installed



Hose Size	Carbon Steel Insert	Stainless Steel Insert	Carbon Steel Collar	Stainless Steel Collar
-8	800108-8-CZ	800108-8-316	870000-8-CZ	870000-8-304
-12	800112-12-CZ	800112-12-316	870000-12-CZ	870000-12-304
-16	800116-16-CZ	800116-16-316	870000-16-CZ	870000-16-304
-20	800120-20-CZ	800120-20-316	870000-20-CZ	870000-20-304
-24	800124-24-CZ	800124-24-316	870000-24-CZ	870000-24-304
-32	800132-32-CZ	800132-32-316	870000-32-CZ	870000-32-304

⚠ WARNING: Selection of the proper end fitting for the hose end application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the end fittings for your application can result in leaking or the hose end blowing off the hose, leading to serious personal injury, death or property damage.

† To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Material Code:

A= Insert - 316 S.S., Nut & Collar - 304 S.S.

B= Insert - 316 S.S., Nut - 304 S.S., Collar - Carbon Steel

C= All Components - Carbon Steel

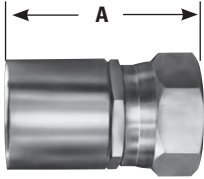
Crimp fittings

Everflex hose ends

H

Conv-O-Crimp hose ends

JIC 37° swivel



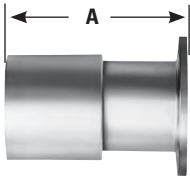
Hose Size	Hose I.D.	Catalog Number	Part No. Suffix Letter	Thread NPT	A Overall Length In.	Hose Cut-Off Factor†	Nominal I.D. In.
-8	1/2	8-608	A,B,C	3/4-16	1.82	1.32	.406
-12	3/4	12-612	A,B,C	1 1/6-12	2.01	1.46	.625
-16	1	16-616	A,B,C	1 5/16-12	2.14	1.55	.828
-20	1-1/4	20-620	A,B,C	1 5/8-12	2.20	1.64	1.078
-24	1-1/2	24-624	A,B,C	1 7/8-12	2.27	1.81	1.305
-32	2	32-632	A,B,C	2 1/2-12	2.62	2.10	1.781

JIC 37° swivel inserts with PTFE sleeves installed



Hose Size	Carbon Steel Insert	Stainless Steel Insert	Carbon Steel Collar	Stainless Steel Collar
-8	820008-8-CZ	820008-8-316	870000-8-CZ	870000-8-304
-12	820012-12-CZ	820012-12-316	870000-12-CZ	870000-12-304
-16	820016-16-CZ	820016-16-316	870000-16-CZ	870000-16-304
-20	820020-20-CZ	820020-20-316	870000-20-CZ	870000-20-304
-24	820024-24-CZ	820024-24-316	870000-24-CZ	870000-24-304
-32	820032-32-CZ	820032-32-316	870000-32-CZ	870000-32-304

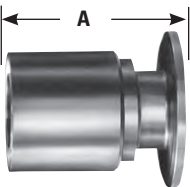
Flange retainer



Hose Size	Hose I.D.	Catalog Number	Part No. Suffix Letter	A Overall Length In.	Hose Cut-Off Factor†	Nominal I.D. In.
-8	1/2	8-F00	A,B	2.13	1.31	.406
-12	3/4	12-F00	A,B	2.43	1.43	.625
-16	1	16-F00	A,B	2.58	1.50	.828
-20	1-1/4	20-F00	A,B	2.60	1.56	1.078
-24	1-1/2	24-F00	A,B	2.72	1.62	1.305
-32	2	32-F00	A,B	3.11	1.81	1.781

Flange ordered separately. See chart.

Sanitary Tri-Clamp



Hose Size	Hose I.D.	Catalog Number	Part No. Suffix Letter	A Overall Length In.	Hose Cut-Off Factor†	Nominal I.D. In.
-16	1	16-S16	A	2.14	1.06	.828
-24	1-1/2	24-S24	A	2.14	1.06	1.305
-32	2	32-S32	A	2.40	1.06	1.781

⚠ WARNING: Selection of the proper end fitting for the hose end application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the end fittings for your application can result in leaking or the hose end blowing off the hose, leading to serious personal injury, death or property damage.

† To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

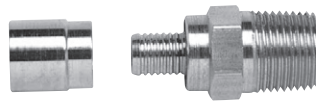
Material Code:

A= Insert - 316 S.S., Nut & Collar - 304 S.S.

B= Insert - 316 S.S., Nut - 304 S.S., Collar - Carbon Steel

C= All Components - Carbon Steel

Everswage



Everswage hose ends are permanently attached to Everflex Smooth Bore hose using a swaging process. The unique design of the Everswage collar allows a hose assembly fabricator to slide several collars at once on the hose. This significantly reduces the time required to fabricate an assembly. The most popular industrial fitting configurations, male pipe (NPT) and female JIC (SAE) swivels, are available in 300 Series stainless steel, carbon steel, or brass.

Part Number suffix letter

Example: B-1104-1

B = Brass

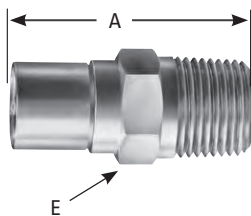
C = Carbon steel

S = Stainless steel

Note: The operating pressure of 1/2" I.D. hoses are lowered to 1500 psi and 5/8" I.D. hoses are lowered to 1250 psi when **brass Everswage fittings** are used.

WARNING: California Proposition 65, see page A-2.

Male pipe

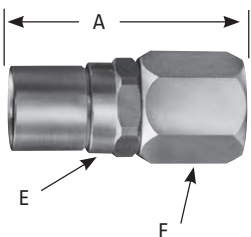


WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part No. Pre-fix letter	Part number	Tube size	Thread size	A	Hose cut-off factor†	E
5/32	B,S	1103	1/8	1/8-27	1.19	3/4	1/2
3/16	B,C,S	1104-1	1/8	1/8-27	1.34	3/4	1/2
3/16	B,C,S	1104-2	1/4	1/4-18	1.47	7/8	9/16
1/4	B,C,S	1105-1	1/4	1/4-18	1.47	7/8	9/16
1/4	B, C	1105-1/8	1/8	1/8	1.34	15/16	9/16
5/16	B,C,S	1106-1	1/4	1/4-18	1.47	7/8	11/16
5/16	B,C,S	1106-2	3/8	3/8-18	1.53	15/16	11/16
5/16	B,S	1106-3	1/2	1/2	1.75	1-1/8	7/8
13/32	B,C,S	1108-1	3/8	3/8-18	1.84	1	3/4
13/32	B,C,S	1108-2	1/2	1/2-14	1.97	1-1/8	7/8
1/2	B,C,S	1110	1/2	1/2-14	1.97	1-3/16	7/8
5/8	B,C,S	1112	3/4	3/4-14	2.14	1-5/16	1-1/16
7/8	B,C,S	1116	1	1-11.5	2.94	1-5/8	1-3/8
7/8	B,C,S	1116Z [‡]	1	1-11.5	2.94	1-5/8	1-3/8
1-1/8	B,C,S	1120Z [‡]	1-1/4	1-1/4-11.5	3.03	1-3/4	1-3/4

All sizes are available in Brass. ‡ The 16Z and 20Z sizes have a double stainless steel wire reinforcement.

37° JIC swivel



WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part No. Pre-fix letter	Part number	Tube size	Thread size	A	Hose cut-off factor†	E	F
5/32	B,S	1303	3/16	3/8-24	1.38	0.85	1/2	
5/32	B	1303-4	1/4	7/16-20	1.38	0.90	1/2	9/16
3/16	B,C,S	1304	1/4	7/16-20	1.50	0.90	1/2	9/16
1/4	B,C,S	1305	5/16	1/2-20	1.63	0.94	9/16	5/8
5/16	B,C,S	1306	3/8	9/16-18	1.63	0.99	5/8	11/16
13/32	B,C,S	1308	1/2	3/4-16	2.00	1.18	3/4	7/8
1/2	B,C,S	1310	5/8	7/8-14	2.00	1.30	7/8	1
5/8	B,C,S	1312	3/4	1-1/6-12	2.25	1.38	1-1/16	1-1/4
7/8	B,C,S	1316	1	1-5/16-12	2.88	1.51	1-3/8	1-1/2
7/8	B,C,S	1316Z [‡]	1	1-5/16-12	2.88	1.51	1-3/8	1-1/2
1-1/8	B,C,S	1320Z [‡]	1-1/4	1-5/8-12	3.13	1.26	1-3/4	2

All sizes are available in Brass. ‡ The 16Z and 20Z sizes have a double stainless steel wire reinforcement.

⚠ WARNING: Selection of the proper end fitting for the hose end application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the end fittings for your application can result in leaking or the hose end blowing off the hose, leading to serious personal injury, death or property damage.

† To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Crimp fittings

Everflex hose ends

For use with Everflex hoses
S, SC

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

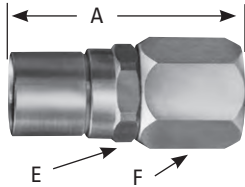
H

Everswage

Part Number suffix letter

- B** = Brass
- C** = Carbon steel
- S** = Stainless steel

45° Brass swivel



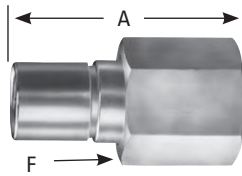
Hose I.D.	Part number	Tube size	Thread size	A	Hose cut-off factor†	E	F
3/16	Fitt. #30	1/4	7/16-20	1.50	0.90	1/2	9/16
1/4	Fitt. #31	5/16	1/2-20	1.50	0.94	9/16	5/8
5/16	Fitt. #32	3/8	5/8-18	1.63	0.96	5/8	3/4
13/32	Fitt. #33	1/2	3/4-16	2.00	1.18	3/4	7/8
1/2	Fitt. #34	5/8	7/8-14	2.13	1.30	7/8	1
5/8	Fitt. #35†	3/4	1-1/16-14	2.25	1.38	1-1/16	1-1/4

† Only fitting 35 has Carbon Steel nut.

WARNING: California Proposition 65, see page A-2.

Note: The operating pressure of 1/2" I.D. hoses are lowered to 1500 psi and 5/8" I.D. hoses are lowered to 1250 psi when **brass Everswage fittings** are used.

Female pipe

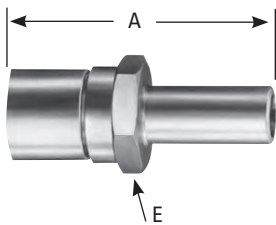


Hose I.D.	Part No. Pre-fix letter	Part number	Tube size	Thread size	A	Hose cut-off factor†	F
3/16	B	2104-1	1/8	1/8-27	1.28	11/16	9/16
3/16	B	2104-2	1/4	1/4-18	1.41	13/16	3/4
1/4	B,S	2105	1/4	1/4-18	1.41	13/16	3/4

All sizes are available in brass.

WARNING: California Proposition 65, see page A-2.

Stainless steel tube stub



Hose I.D.	Part number	Tube size	Connector	A	Hose cut-off factor†	E
3/16	STE4-4	1/4" O.D.	0.188	1.50	1-1/8	9/16
1/4	STE4-5	1/4" O.D.	0.203	1.50	7/8	9/16
5/16	STE6-6	3/8" O.D.	0.266	1.63	1	11/16
13/32	STE8-8	1/2" O.D.	0.359	2.25	1-3/8	7/8
5/8	STE12-12	3/4" O.D.	0.578	2.38	1-1/2	1-1/16
7/8	STE16-16	1" O.D.	0.813	3.00	1-11/16	1-3/8

⚠ WARNING: Selection of the proper end fitting for the hose end application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the end fittings for your application can result in leaking or the hose end blowing off the hose, leading to serious personal injury, death or property damage.

† To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

For use with Everflex hoses
S, SC

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Everswage

Part Number suffix letter

B = Brass

C = Carbon steel

S = Stainless steel

Laundry flange - Brass

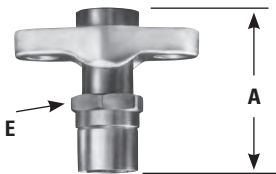


WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part number	Nominal ID	A	Hose cut-off factor†
5/16	B-6LFC	17/64	1	5/16

(Flange is plated carbon steel, copper gasket included)

Brass tire mold flange

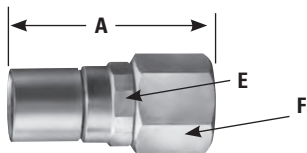


WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part number	Nominal ID	A	Hose cut-off factor†	E
5/8	FITT. #60	37/64	2.63	1-5/8	1-1/16

(Flange is plated carbon steel)

Carbon steel paint spray swivel



Hose I.D.	Part number	Thread size	A	Hose cut-off factor†	E	F
1/4	C-5PS	1/4 NPSM	1.50	0.82	9/16	5/8

⚠ WARNING: Selection of the proper end fitting for the hose end application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the end fittings for your application can result in leaking or the hose end blowing off the hose, leading to serious personal injury, death or property damage.

† To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Crimp fittings

Everflex hose ends

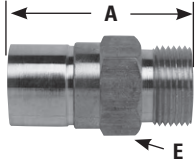
For use with Everflex hoses
S, SC

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

Everswage

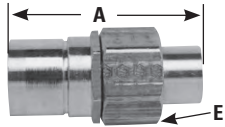
SAE Brass male compression



WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part number	Tube size	Thread size	A	Hose cut-off factor†	E
1/2	FITT. #40	5/8	13/16-18	1.75	29/32	7/8

SAE Brass female compression

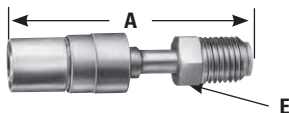


WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part number	Tube size	Thread size	A	Hose cut-off factor†	E
1/2	FITT. #41	5/8	13/16-18	2.00	1-3/16	15/16

Note: The operating pressure of 1/2" I.D. hoses are lowered to 1500 psi and 5/8" I.D. hoses are lowered to 1250 psi when **brass Everswage fittings** are used.

Stainless steel power trim Straight



(316 Stainless steel wetted parts.)

Hose I.D.	Part number	Tube size	Thread size	A	Hose cut-off factor†	E
3/16	PT-S-4	3/16	3/8-24	1.88	1-7/16	3/8



WARNING: Selection of the proper end fitting for the hose end application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the end fittings for your application can result in leaking or the hose end blowing off the hose, leading to serious personal injury, death or property damage.

† To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

For use with Everflex hoses
S, SC

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

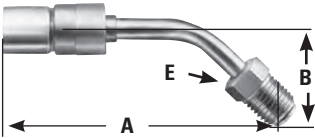
Crimp fittings

Everflex hose ends

H

Everswage

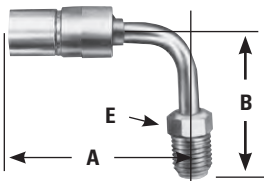
Stainless steel power trim 45° Elbow



(316 Stainless steel wetted parts.)

Hose I.D.	Part number	Tube size	Thread size	A	Hose cut-off factor†	B	E
3/16	PT-45-4	3/16	3/8-24	2.75	2	3/4	3/8

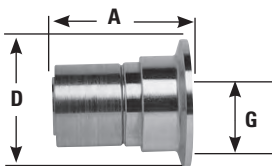
Stainless steel power trim 90° Elbow



(316 Stainless steel wetted parts.)

Hose I.D.	Part number	Tube size	Thread size	A	Hose cut-off factor†	B	E
3/16	PT-90-4	3/16	3/8-24	2.00	1-1/2	1	3/8

Sanitary Tri clamp



(316 Stainless steel wetted parts.)

Hose I.D.	Part number	Nominal I.D.	A	Hose cut-off factor†	D	G
1/2	10-S.37-316	.45	1.5	.6875	.985	.375
7/8	16-S.87-316	.81	2.0	.6875	1.984	.86



WARNING: Selection of the proper end fitting for the hose end application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the end fittings for your application can result in leaking or the hose end blowing off the hose, leading to serious personal injury, death or property damage.

† To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Crimp fittings

Everflex hose ends

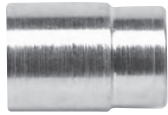
For use with Everflex hoses
S, SC

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

H

Everswage components

Swage collars



WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part number	Part number suffix letter	JIC size
3/16	NC-4	B,C,S	1/4
1/4	NC-5	B,C,S	5/16
5/16	NC-6	B,C,S	3/8
13/32	NC-8	B,C,S	1/2
1/2	NC-10	B,C,S	5/8
5/8	NC-12	B,C,S	3/4
7/8	NC-16	B,C,S	1
7/8	NC-16Z	B,C,S	1
1-1/8	NC-20Z	B,C,S	1-1/4

All sizes are available in Brass.

Part Number suffix letter

B = Brass

C = Carbon steel

S = Stainless steel

Male pipe insert



WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part number	Part number suffix letter	Tube size
3/16	NM2-4	B,C,S	1/8
3/16	NM4-4	B,C,S	1/4
1/4	NM4-5	B,C,S	5/16
5/16	NM4-6	B,C,S	1/4
5/16	NM6-6	B,C,S	3/8
13/32	NM6-8	B,C,S	3/8
13/32	NM8-8	B,C,S	1/2
1/2	NM8-10	B,C,S	1/2
5/8	NM12-12	B,C,S	1
7/8	NM16-16	B,C,S	1
1-1/8	NM20-20	B,C,S	1-1/4

All sizes are available in Brass.



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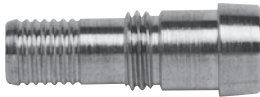
For use with Everflex hoses

S, SC

To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Everswage components

37° JIC female insert



WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part number	Part number suffix letter	JIC size
3/16	NJ-4	C,S	1/4
1/4	NJ-5	B,C,S	5/16
5/16	NJ-6	B,C,S	3/8
13/32	NJ-8	B,C,S	1/2
1/2	NJ-10	B,C,S	5/8
5/8	NJ-12	B,C,S	3/4
7/8	NJ-16	B,C,S	1
1-1/8	NJ-20	B,C,S	1-1/4

All sizes are available in Brass.

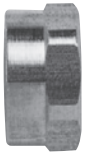
Part Number suffix letter

B = Brass

C = Carbon steel

S = Stainless steel

37° JIC female short collars



WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part number	Part number suffix letter	JIC size
3/16	NJC-4	B,C,S	1/4
1/4	NJC-5	B,C,S	5/16
5/16	NJC-6	B,C,S	3/8
13/32	NJC-8	B,C,S	1/2
1/2	NJC-10	B,C,S	5/8
5/8	NJC-12	B,C,S	3/4
7/8	NJC-16	B,C,S	1
1-1/8	NJC-20	B,C,S	1-1/4

All sizes are available in Brass.



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37° JIC female nut



WARNING: California Proposition 65, see page A-2.

Hose I.D.	Part number	Part number suffix letter	JIC size
3/16	NNJ-4	B,C,S	1/4
1/4	NNJ-5	B,C,S	5/16
5/16	NNJ-6	B,C,S	3/8
13/32	NNJ-8	B,C,S	1/2
1/2	NNJ-10	B,C,S	5/8
5/8	NNJ-12	B,C,S	3/4
7/8	NNJ-16	B,C,S	1
1-1/8	NNJ-20	B,C,S	1-1/4

All sizes are available in Brass.



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Crimp fittings

Everflex hose ends

H

Everswage fittings - Bill of material cross reference

Top Assembly Catalog Number	Insert Part Number*	Collar Part Number	Top Assembly Catalog Number	Insert Part Number*	Collar Part Number
B-1112	NM12-12-B	NC-12-B	B-1303	NJIC-3-B	NC-3-B
C-1112	NM12-12-C	NC-12-C	S-1303	NJIC-3-S	NC-3-S
S-1112	NM12-12-S	NC-12-S	B-1303-4	NJIC4-3-B	NC-3-B
B-1116	NM16-16-B	NC-16-B	S-1303-4	NJIC4-3-S	NC-3-S
C-1116	NM16-16-C	NC-16-C	B-1304	NJICSAE-4-B	NC-4-B
S-1116	NM16-16-S	NC-16-S	C-1304	NJIC-4-C	NC-4-C
B-1103	NM2-3-B	NC-3-B	S-1304	NJIC-4-S	NC-4-S
S-1103	NM2-3-S	NC-3-S	B-1305	NJIC-5-B	NC-5-B
B-1104-1	NM2-4-B	NC-4-B	C-1305	NJIC-5-C	NC-5-C
C-1104-1	NM2-4-C	NC-4-C	S-1305	NJIC-5-S	NC-5-S
S-1104-1	NM2-4-S	NC-4-S	B-1306	NJIC-6-B	NC-6-B
B-1105-1/8	NM2-5-B	NC-5-B	C-1306	NJIC-6-C	NC-6-C
B-1116Z	NM16-16-B	NC-16Z-B	S-1306	NJIC-6-S	NC-6-S
C-1116Z	NM16-16-C	NC-16Z-C	B-1308	NJIC-8-B	NC-8-B
S-1116Z	NM16-16S	NC-16Z-S	C-1308	NJIC-8-C	NC-8-C
B-1120Z	NM20-20-B	NC-20Z-B	S-1308	NJIC-8-S	NC-8-S
C-1120Z	NM20-20-C	NC-20Z-C	B-1310	NJIC-10-B	NC-10-B
S-1120Z	NM20-20-S	NC-20Z-S	C-1310	NJIC-10-C	NC-10-C
B-1104-2	NM4-4-B	NC-4-B	S-1310	NJIC-10-S	NC-10-S
C-1104-2	NM4-4-C	NC-4-C	B-1312	NJIC-12-B	NC-12-B
S-1104-2	NM4-4-S	NC-4-S	C-1312	NJIC-12-C	NC-12-C
B-1105	NM4-5-B	NC-5-B	S-1312	NJIC-12-S	NC-12-S
C-1105	NM4-5-C	NC-5-C	B-1316	NJIC-16-B	NC-16-B
S-1105	NM4-5-S	NC-5-S	C-1316	NJIC-16-C	NC-16-C
B-1106-1	NM4-6-B	NC-6-B	S-1316	NJIC-16-S	NC-16-S
C-1106-1	NM4-6-C	NC-6-C	B-1316Z	NJIC-16-B	NC-16Z-B
S-1106-1	NM4-6-S	NC-6-S	C-1316Z	NJIC-16-C	NC-16Z-C
B-1106-2	NM6-6-B	NC-6-B	S-1316Z	NJIC-16-S	NC-16Z-S
C-1106-2	NM6-6-C	NC-6-C			
S-1106-2	NM6-6-S	NC-6-S	B-1320Z	NJIC-20-B	NC-20Z-B
B-1108-1	NM6-8-B	NC-8-B	C-1320Z	NJIC-20-C	NC-20Z-C
C-1108-1	NM6-8-C	NC-8-C	S-1320Z	NJIC-20-S	NC-20Z-S
S-1108-1	NM6-8-S	NC-8-S	B-2104-1	NF2-4-B	NC-4-B
B-1110	NM8-10-B	NC-10-B	B-2104-2	NF4-4-B	NC-4-B
C-1110	NM8-10-C	NC-10-C	B-2105	NF4-5-B	NC-5-B
S-1110	NM8-10-S	NC-10-S	S-2105	NF4-5-S	NC-5-S
B-1106-3	NM8-6-B	NC-6-B			
C-1106-3	NM8-6-C	NC-6-C	FITT. #40	NMC-10-B	NC-10-B
S-1106-3	NM8-6-S	NC-6-S			
B-1108-2	NM8-8-B	NC-8-B	PT-S-4	NPTS-4-S	NC-4-S
C-1108-2	NM8-8-C	NC-8-C	PT-45-4	NPT45-4-S	NC-4-S
S-1108-2	NM8-8-S	NC-8-S	PT-90-4	NPT90-4-S	NC-4-S
C-5PS	NPS-5-C	NC-5-C			
Fitt. #30	NSAE-4-B	NC-4-B			
Fitt. #32	NSAE-6-B	NC-6-B			
Fitt. #33	NSAE-8-B	NC-8-B			
Fitt. #34	NSAE-10-B	NC-10-B			
Fitt. #35	NSAE-12-B	NC-12-B			

Part Number suffix letter

- B** = Brass
- C** = Carbon steel
- S** = Stainless steel

WARNING: California Proposition 65, see page A-2.

* Insert Part Number includes nut and short collar