

Field attachable fittings

Braided hose

1R series I-2

Spiral hose

2R series I-5

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057 'B' series I-9

100 'B' series I-11

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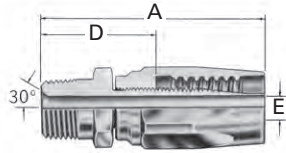
Field attachable

Braided hose - 1R series

Use with hose:
H180

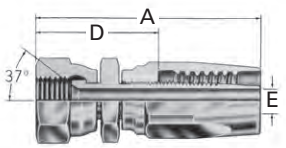
Braided hose - 1R series

Male pipe



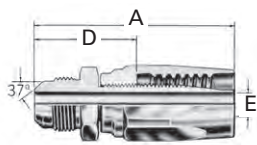
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ	
					mm	in	mm	in	mm	in
1RA2MP4	4202-2-4S	1RA4	1/8-27	-04	55.1	2.17	28.7	1.13	4.3	0.17
1RA4MP4	4202-4-4S	1RA4	1/4-18	-04	59.9	2.36	33.5	1.32	4.3	0.17
1RA4MP6	4202-4-6S	1RA6	1/4-18	-06	68.1	2.68	39.4	1.55	7.6	0.30
1RA6MP6	4202-6-6S	1RA6	3/8-18	-06	68.1	2.68	39.4	1.55	7.9	0.31
1RA6MP8	4202-6-8S	1RA8	3/8-18	-08	71.6	2.82	34.3	1.35	9.9	0.39
1RA8MP8	4202-8-8S	1RA8	1/2-14	-08	78.0	3.07	40.6	1.60	9.9	0.39
1RA12MP12	4202-12-12S	1RA12	3/4-14	-12	90.2	3.55	49.5	1.95	15.5	0.61
1RA16MP16	4202-16-16S	1RA16	1-11 1/2	-16	108.0	4.25	54.1	2.13	20.8	0.82

SAE 37° (JIC) swivel



Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ	
					mm	in	mm	in	mm	in
1RA4FJ4	4103-4-4-4S	1RA4	7/16-20	-04	63.5	2.50	37.1	1.46	4.3	0.17
1RA6FJ6	4103-4-6-6S	1RA6	9/16-18	-06	73.9	2.91	45.2	1.78	7.9	0.31
1RA8FJ8	4103-4-8-8S	1RA8	3/4-16	-08	80.8	3.18	43.8	1.70	9.9	0.39
1RA12FJ12	4103-4-12S	1RA12	1 1/16-12	-12	96.5	3.80	55.9	2.20	15.5	0.61
1RA16FJ16	4103-4-16S	1RA16	1 5/16-12	-16	110.0	4.33	56.1	2.21	20.8	0.82

SAE 37° (JIC) male flare



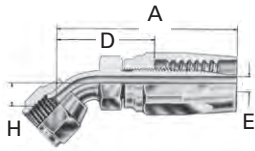
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ	
					mm	in	mm	in	mm	in
1RA4MJ4	4203-4-4S	1RA4	7/16-20	-04	59.4	2.34	33.0	1.30	4.3	0.17
1RA6MJ6	4203-6-6S	1RA6	9/16-18	-06	67.8	2.67	39.1	1.54	7.9	0.31
1RA8MJ8	4203-8-8S	1RA8	3/4-16	-08	75.4	2.97	38.1	1.50	9.9	0.39
1RA12MJ12	4203-12S	1RA12	1 1/16-12	-12	93.0	3.66	52.3	2.06	15.5	0.61
1RA16MJ16	4203-16S	1RA16	1 5/16-12	-16	107.4	4.23	53.3	2.10	20.8	0.82

Use with hose:
H180

Field attachable

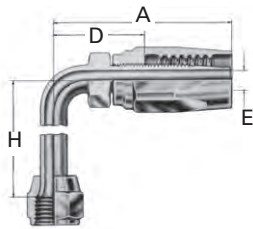
Braided hose - 1R series

SAE 37° (JIC) swivel
45° elbow



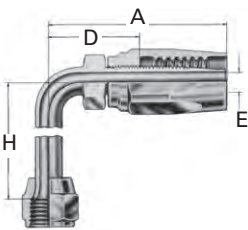
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
1RA4FJA4	185287-4S	1RA4	7/16-20	-04	60.2	2.37	33.8	1.33	4.3	0.17	8.4	0.33
1RA6FJA6	185287-6S	1RA6	9/16-18	-06	69.9	2.75	41.1	1.62	7.9	0.31	9.9	0.39
1RA8FJA8	185287-8S	1RA8	3/4-16	-08	82.3	3.24	45.0	1.77	9.9	0.39	14.0	0.55
1RA12FJA12	185287-12S	1RA12	1 1/16-12	-12	103.9	4.09	63.2	2.49	15.5	0.61	19.8	0.78
1RA16FJA16	185287-16S	1RA16	1 5/16-12	-16	124.0	4.88	69.9	2.75	20.8	0.82	27.2	1.07

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



Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
1RA4FJB4	185264-4S	1RA4	7/16-20	-04	57.4	2.26	31.0	1.22	4.3	0.17	17.3	0.68
1RA6FJB6	185264-6S	1RA6	9/16-18	-06	67.3	2.65	38.6	1.52	7.9	0.31	21.6	0.85
1RA8FJB8	185264-8S	1RA8	3/4-16	-08	76.2	3.00	39.1	1.54	9.9	0.39	27.7	1.09
1RA12FJB12	185264-12S	1RA12	1 1/16-12	-12	102.9	4.05	62.2	2.45	15.5	0.61	46.2	1.82
1RA16FJB16	185264-16S	1RA16	1 5/16-12	-16	119.1	4.69	65.0	2.56	20.8	0.82	60.7	2.39

SAE 37° (JIC) swivel
90° elbow (long)



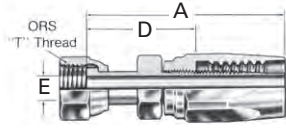
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
1RA4FJC4	185263-4S	1RA4	7/16-20	-04	57.4	2.26	31.0	1.22	4.3	0.17	45.7	1.80
1RA6FJC6	185263-6S	1RA6	9/16-18	-06	67.3	2.65	38.6	1.52	7.9	0.31	55.4	2.18
1RA8FJC8	185263-8S	1RA8	3/4-16	-08	79.2	3.13	42.2	1.66	9.9	0.39	61.7	2.43
1RA12FJC12	185263-12S	1RA12	1 1/16-12	-12	102.9	4.05	62.2	2.45	15.5	0.61	94.7	3.73
1RA16FJC16	185263-16S	1RA16	1 5/16-12	-16	119.1	4.69	65.0	2.56	20.8	0.82	116.3	4.58

Field attachable

Braided hose - 1R series

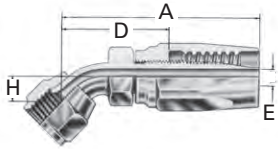
Use with hose:
H180

ORS swivel



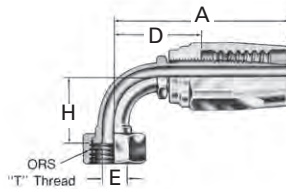
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ	
					mm	in	mm	in	mm	in
1RA4FR4	FJ8732-0404S	1RA4	9/16-18	-04	66.5	2.62	40.1	1.58	4.1	0.16
1RA6FR6	FJ8732-0606S	1RA6	11/16-16	-06	74.9	2.95	46.2	1.82	6.6	0.26
1RA8FR8	FJ8732-0808S	1RA8	13/16-16	-08	85.9	3.38	48.5	1.91	9.1	0.36
1RA12FR12	FJ8732-1212S	1RA12	1 3/16 -12	-12	101.6	4.00	60.9	2.40	14.0	0.55
1RA16FR16	FJ8732-1616S	1RA16	1 7/16 -12	-16	117.9	4.64	63.8	2.51	19.8	0.78

ORS swivel 45° elbow



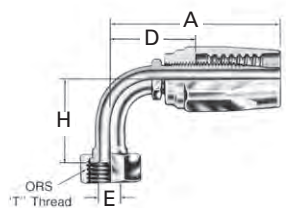
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
1RA4FRA4	FJ8733-0404S	1RA4	9/16-18	-04	63.0	2.48	40.1	1.58	4.3	0.17	10.4	0.41
1RA6FRA6	FJ8733-0606S	1RA6	11/16-16	-06	70.9	2.79	46.2	1.82	6.6	0.26	10.9	0.43
1RA8FRA8	FJ8733-0808S	1RA8	13/16-16	-08	83.3	3.28	48.5	1.91	9.7	0.38	15.0	0.59
1RA12FRA12	FJ8733-1212S	1RA12	1 3/16 -12	-12	105.4	4.15	60.9	2.40	15.5	0.61	21.1	0.83
1RA16FRA16	FJ8733-1616S	1RA16	1 7/16 -12	-16	120.9	4.76	63.8	2.51	20.6	0.81	23.9	0.94

ORS swivel 90° elbow



Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
1RA4FRB4	FJ8734-0404S	1RA4	9/16-18	-04	58.9	2.32	32.5	1.28	4.3	0.17	20.8	0.82
1RA6FRB6	FJ8734-0606S	1RA6	11/16-16	-06	67.3	2.65	38.6	1.52	6.6	0.26	22.9	0.90
1RA8FRB8	FJ8734-0808S	1RA8	13/16-16	-08	76.5	3.01	39.1	1.54	9.7	0.38	29.2	1.15
1RA12FRB12	FJ8734-1212S	1RA12	1 3/16 -12	-12	102.9	4.05	62.2	2.45	15.5	0.61	47.8	1.88
1RA16FRB16	FJ8734-1616S	1RA16	1 7/16 -12	-16	119.1	4.69	65.3	2.57	20.6	0.81	56.1	2.21

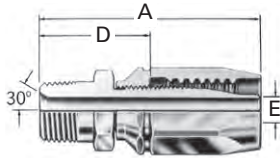
ORS swivel 90° elbow long drop



Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
1RA4FRC4	FJ8735-0404S	1RA4	9/16-18	-04	58.9	2.32	32.5	1.28	4.3	0.17	45.7	1.80
1RA6FRC6	FJ8735-0606S	1RA6	11/16-16	-06	70.4	2.77	41.7	1.64	6.6	0.26	54.1	2.13
1RA8FRC8	FJ8735-0808S	1RA8	13/16-16	-08	79.5	3.13	42.2	1.66	9.7	0.38	63.8	2.51
1RA12FRC12	FJ8735-1212S	1RA12	1 3/16 -12	-12	102.9	4.05	62.2	2.45	15.5	0.61	96.0	3.78
1RA16FRC16	FJ8735-1616S	1RA16	1 7/16 -12	-16	119.1	4.69	65.3	2.57	20.6	0.81	114.3	4.50

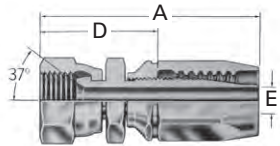
**Spiral hose -
2R series**

Male pipe



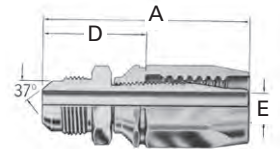
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ	
					mm	in	mm	in	mm	in
2RA4MP4	4202-4-4S	2RA4	1/4-18	-04	63.5	2.50	33.8	1.33	4.3	0.17
2RA6MP6	4202-6-6S	2RA6	3/8-18	-06	69.9	2.75	35.8	1.41	7.9	0.31
2RA6MP8	4202-6-8S	2RA8	3/8-18	-08	72.1	2.84	33.3	1.31	9.9	0.39
2RA8MP8	4202-8-8S	2RA8	1/2-14	-08	74.5	3.09	40.1	1.58	9.9	0.39
2RA12MP12	4202-12-12S	2RA12	3/4-14	-12	91.7	3.61	44.2	1.74	15.5	0.61
2RA12MP16	4202-16-16S	2RA16	1-11 1/2	-16	111.8	4.40	59.7	2.35	20.8	0.82

SAE 37° (JIC) swivel



Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ	
					mm	in	mm	in	mm	in
2RA4FJ4	4103-4-4-4S	2RA4	7/16-20	-04	67.1	2.64	37.3	1.47	4.3	0.17
2RA6FJ6	4103-4-6-6S	2RA6	9/16-18	-06	75.7	2.98	41.7	1.64	7.9	0.31
2RA8FJ8	4103-4-8-8S	2RA8	3/4-16	-08	81.3	3.20	42.7	1.68	9.9	0.39
2RA12FJ12	4103-4-12S	2RA12	1 1/16-12	-12	98.0	3.86	50.5	1.99	15.5	0.61
2RA16FJ16	4103-4-16S	2RA16	1 5/16-12	-16	113.8	4.48	61.7	2.43	20.8	0.82

SAE 37° (JIC) male flare



Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ	
					mm	in	mm	in	mm	in
2RA4MJ4	4203-4-4S	2RA4	7/16-20	-04	63.2	2.49	33.5	1.32	4.3	0.17
2RA6MJ6	4203-6-6S	2RA6	9/16-18	-06	69.9	2.75	35.8	1.41	7.9	0.31
2RA8MJ8	4203-8-8S	2RA8	3/4-16	-08	75.9	2.99	37.6	1.48	9.9	0.39
2RA12MJ12	4203-12S	2RA12	1 1/16-12	-12	94.5	3.72	47.0	1.85	15.5	0.61
2RA16MJ16	4203-16S	2RA16	1 5/16-12	-16	111.3	4.38	59.2	2.33	20.8	0.82

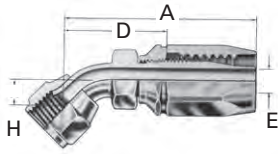
Field attachable

Spiral hose - 2R series

Use with hose:

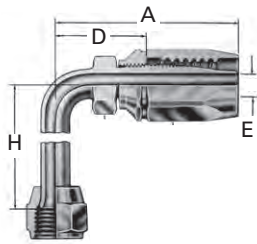
H280

SAE 37° (JIC) swivel 45° elbow



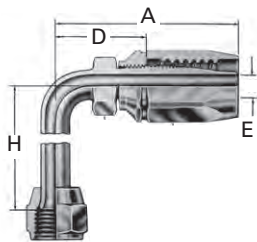
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
2RA4FJA4	185287-4S	2RA4	7/16-20	-04	63.8	2.51	34.0	1.34	4.3	0.17	8.4	0.33
2RA6FJA6	185287-6S	2RA6	9/16-18	-06	71.6	2.82	37.6	1.48	7.9	0.31	9.9	0.39
2RA8FJA8	185287-8S	2RA8	3/4-16	-08	82.8	3.26	44.5	1.75	9.9	0.39	14.0	0.55
2RA12FJA12	185287-12S	2RA12	1 1/16-12	-12	105.4	4.15	57.9	2.28	15.5	0.61	19.8	0.78
2RA16FJA16	185287-16S	2RA16	1 5/16-12	-16	127.8	5.03	75.7	2.98	20.8	0.82	27.2	1.07

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



Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
2RA4FJB4	185264-4S	2RA4	7/16-20	-04	60.9	2.40	31.2	1.23	4.3	0.17	17.3	0.68
2RA6FJB6	185264-6S	2RA6	9/16-18	-06	69.1	2.72	35.1	1.38	7.9	0.31	21.6	0.85
2RA8FJB8	185264-8S	2RA8	3/4-16	-08	76.7	3.02	38.6	1.52	9.9	0.39	27.7	1.09
2RA12FJB12	185264-12S	2RA12	1 1/16-12	-12	104.4	4.11	56.9	2.24	15.5	0.61	46.2	1.82
2RA16FJB16	185264-16S	2RA16	1 5/16-12	-16	122.9	4.84	70.9	2.79	20.8	0.82	60.7	2.39

SAE 37° (JIC) swivel 90° elbow (long)



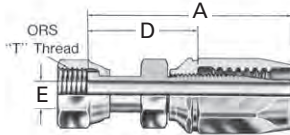
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
2RA4FJC4	185263-4S	2RA4	7/16-20	-04	60.9	2.40	31.2	1.23	4.3	0.17	45.7	1.80
2RA6FJC6	185263-6S	2RA6	9/16-18	-06	69.1	2.72	35.1	1.38	7.9	0.31	55.4	2.18
2RA8FJC8	185263-8S	2RA8	3/4-16	-08	76.7	3.02	38.6	1.52	9.9	0.39	61.7	2.43
2RA12FJC12	185263-12S	2RA12	1 1/16-12	-12	104.4	4.11	56.9	2.24	15.5	0.61	94.7	3.73
2RA16FJC16	185263-16S	2RA16	1 5/16-12	-16	122.9	4.84	70.9	2.79	20.8	0.82	116.3	4.58

Use with hose:
H280

Field attachable

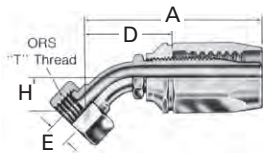
Spiral hose - 2R series

ORS swivel



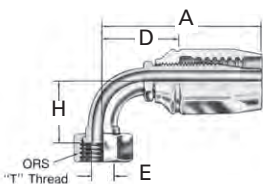
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ	
					mm	in	mm	in	mm	in
2RA4FR4	FJ8732-0404S	2RA4	9/16-18	-04	70.1	2.76	40.3	1.59	4.1	0.16
2RA6FR6	FJ8732-0606S	2RA6	11/16-16	-06	77.0	3.03	42.9	1.69	6.6	0.26
2RA8FR8	FJ8732-0808S	2RA8	13/16-16	-08	86.4	3.40	48.0	1.89	9.1	0.36
2RA12FR12	FJ8732-1212S	2RA12	1 3/16-12	-12	103.1	4.06	59.9	2.36	14.0	0.55
2RA16FR16	FJ8732-1616S	2RA16	1 7/16-12	-16	121.7	4.79	69.6	2.74	19.8	0.78

ORS swivel
45° elbow



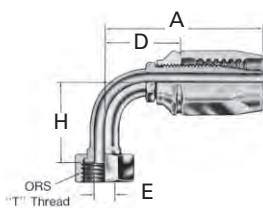
Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
2RA4FRA4	FJ8733-0404S	2RA4	9/16-18	-04	66.5	2.62	36.8	1.45	4.3	0.17	10.4	0.41
2RA6FRA6	FJ8733-0606S	2RA6	11/16-16	-06	72.9	2.87	38.9	1.53	6.6	0.26	10.9	0.43
2RA8FRA8	FJ8733-0808S	2RA8	13/16-16	-08	83.8	3.30	45.5	1.79	9.7	0.38	15.0	0.59
2RA12FRA12	FJ8733-1212S	2RA12	1 3/16-12	-12	106.9	4.21	59.4	2.34	15.5	0.61	21.1	0.83
2RA16FRA16	FJ8733-1616S	2RA16	1 7/16-12	-16	124.7	4.91	72.6	2.86	20.6	0.81	23.9	0.94

ORS swivel
90° elbow



Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
2RA4FRB4	FJ8734-0404S	2RA4	9/16-18	-04	62.7	2.47	33.0	1.30	4.3	0.17	20.8	0.82
2RA6FRB6	FJ8734-0606S	2RA6	11/16-16	-06	69.1	2.72	35.1	1.38	6.6	0.26	22.9	0.90
2RA8FRB8	FJ8734-0808S	2RA8	13/16-16	-08	77.0	3.03	38.6	1.52	9.7	0.38	29.2	1.15
2RA12FRB12	FJ8734-1212S	2RA12	1 3/16-12	-12	104.4	4.11	56.9	2.24	15.5	0.61	47.8	1.88
2RA16FRB16	FJ8734-1616S	2RA16	1 7/16-12	-16	122.9	4.84	70.9	2.79	20.6	0.81	56.1	2.21

ORS swivel
90° elbow long drop




Assy part number	Nipple/nipple assy	New reusable socket	Thread size	Hose size	Dim A		Dim D		EØ		Dim H	
					mm	in	mm	in	mm	in	mm	in
2RA4FRC4	FJ8735-0404S	2RA4	9/16-18	-04	62.7	2.47	33.0	1.30	4.3	0.17	45.7	1.80
2RA6FRC6	FJ8735-0606S	2RA6	11/16-16	-06	69.1	2.72	35.1	1.38	6.6	0.26	54.1	2.13
2RA8FRC8	FJ8735-0808S	2RA8	13/16-16	-08	77.0	3.03	38.6	1.52	9.7	0.38	63.8	2.51
2RA12FRC12	FJ8735-1212S	2RA12	1 3/16-12	-12	104.4	4.11	56.9	2.24	15.5	0.61	96.0	3.78
2RA16FRC16	FJ8735-1616S	2RA16	1 7/16-12	-16	122.9	4.84	70.9	2.79	20.6	0.81	114.3	4.50

Field attachable

009 'B' series

009 'B' series

Ordering information: Order individually by catalog number.

 Refer to important safety information on pages A-2.

Application: Low pressure air, lube and oil lines.

Compatible hose: H009

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

Material: CA360 brass

Advantages: Reusable and easy to assemble. An excellent fitting where low pressure applications exist and a clamp may get in the way. Good selection of configurations at a reasonable cost.

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

Assembly instructions:

1. Lubricate* insert threads and I.D. of hose.
2. Push hose into socket until it bottoms.
3. Screw insert into socket until insert hex touches socket. When assembling swivel ends, leave 1/32" clearance between swivel nut and socket.

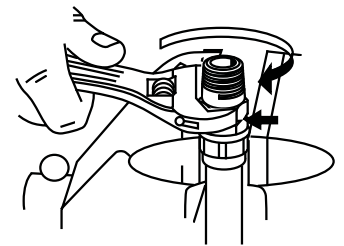
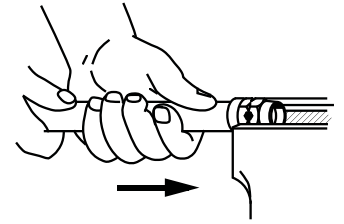
* Eaton Assembly Lubricant
222070-8 - 1 gallon plastic jug
222070 - 1 pint plastic squeeze bottle

Label set: FS-400

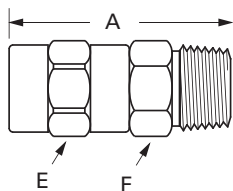
Note: Refer to current price list for availability of cataloged items. Configurations and dimensions subject to change without notice.

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

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



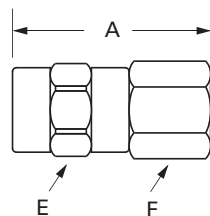
Male pipe rigid



Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/8	00904B-102	1/8-27	1.20	.75	.172	5/8	7/16
1/4	1/4	00904B-104	1/4-18	1.39	.94	.172	5/8	9/16

JIC 37° female swivel

(Exceptions noted)




Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	00904B-604	7/16-20	1.31	.81	.172	5/8	9/16

057 'B' series

WARNING

Hose can be cut or damaged if over-tightened.

Ordering information: Order individually by catalog number.

 Refer to important safety information on pages A-2.

Application: Low pressure air, fuel and oil applications. Generally used for automotive, light truck, and small engine fuel lines.

Compatible hose: H057, H0105*, H0106*.

*H0105, H0106 and H115 for air applications only.

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

Material: CA360 brass

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

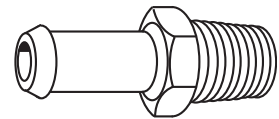
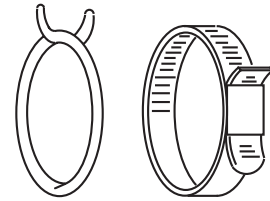
Advantages: Easy to assemble — just push the fitting into the hose and clamp. Good selection of configurations at reasonable cost.

Assembly instructions:

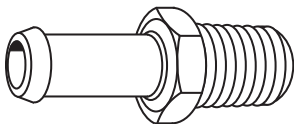
1. Slide clamp over hose.
2. Insert barbed end of fitting into hose.
3. Locate band clamp in the middle of 057 'B' Series inserts and tighten.
4. Position wire clamp behind bump on 057 'B' Series insert with H057 hose only.

Note:

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

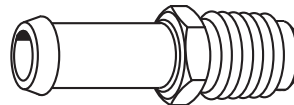


Male pipe rigid



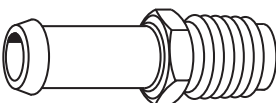
Hose I.D.	Pipe size	Part number
3/16	1/8	05703B-102
1/4	1/8	05704B-102
1/4	1/4	05704B-104
5/16	1/8	05705B-102
5/16	1/4	05705B-104
3/8	1/8	05706B-102
3/8	1/4	05706B-104
3/8	3/8	05706B-106
5/8	3/8	05710B-106
5/8	1/2	05710B-108
3/4	1/2	05712B-108

SAE 45° flare connector



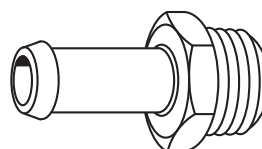
Hose I.D.	Tube size	Part number
3/8	5/16	05706B-305

Inverted male connector



Hose I.D.	Tube size	Part number
5/16	1/4	05705B-1598
5/16	5/16	05705B-1560
5/16	3/8	05705B-1561
3/8	5/16	05706B-1568
3/8	3/8	05706B-1570

Male straight thread connector



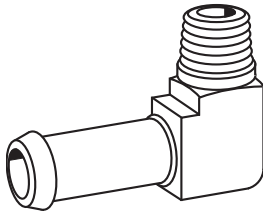
Hose I.D.	Thread size	Part number
3/8	9/16-24	05706B-1412
3/8	7/8-20	05706B-1413
3/8	5/8-20	05706B-1569

(Gasket included.)

Field attachable

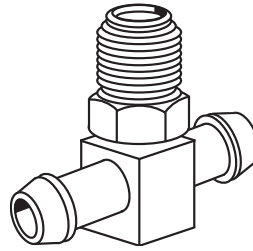
057 'B' series

Male pipe rigid 90° elbow



Hose I.D.	Pipe size	Part number
1/4	1/8	05704B-C02
5/16	1/8	05705B-C02
5/16	1/4	05705B-C04
3/8	1/8	05706B-C02
3/8	1/4	05706B-C04
3/8	3/8	05706B-C06
5/8	3/8	05710B-C06

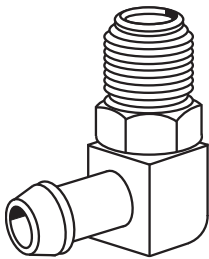
Inverted male tee swivel



Hose I.D.	Tube size	Part number
3/8	5/16	05706B-1414#
3/8	3/8	05706B-1415#

Chrome plated.

Inverted male swivel 90° elbow



Hose I.D.	Tube size	Part number
1/4	1/4	05704B-B64
1/4	5/16	05704B-B65
5/16	5/16	05705B-B65
3/8	5/16	05706B-B65
3/8	3/8	05706B-B66
3/8	5/16	05706B-1416#
3/8	3/8	05706B-1417#

Chrome plated.

Wire hose clamp (For H057 hose only)



Hose I.D.	Part number
3/16, 1/4	1538
5/16	1539
3/8	1540

Note: Zinc-Plated carbon steel spring wire

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

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

Field attachable

100 'B' series Barb-Tite

100 'B' series Barb-Tite

CAUTION Sealing integrity may be damaged by the use of clamps.

Ordering information: Order individually by part number.

Refer to important safety information on pages A-2.

Application: Low pressure shop or service air lines. Often used for low pressure lube and oil lines.

Compatible hose: H100, H101, H201, H332, 35FH

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

Material: CA360 brass

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

Advantages: Easy to assemble – just push the fitting into the hose. No clamps needed! Low cost and a wide selection of configurations and sizes.

Assembly instructions:

1. Lubricate* insert.
2. Hold hose at angle as shown and push on and up over first barb.
3. Continue to push straight on until hose is seated under protective plastic cap. (Keep hand back from hose end area so that hose can expand.)

* Eaton Assembly Lubricant
222070-8 - 1 gallon plastic jug
222070 - 1 pint plastic squeeze bottle

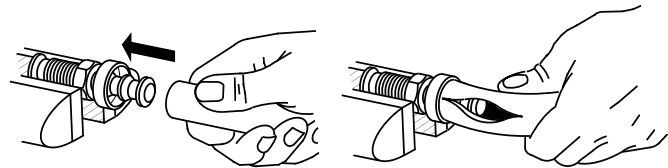
Disassembly instructions:

1. Split hose as shown. Do not cut completely through hose. Sealing edge of barb could be damaged.
2. Bend hose and remove with quick pull.

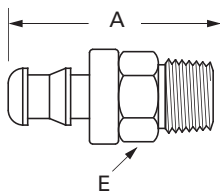
Assembly equipment: See pages L-26 and L-60 for optional Assembly Tools.

Label set: FS-500

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

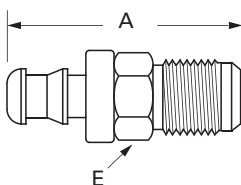


Male pipe rigid



Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E
1/4	1/8	10004B-102	1/8-27	1.29	.65	.172	7/16
1/4	1/4	10004B-104	1/4-18	1.52	.88	.172	9/16
5/16	1/8	10005B-102	1/8-27	1.36	.69	.234	1/2
5/16	1/4	10005B-104	1/4-18	1.57	.87	.234	9/16
3/8	1/8	10006B-102	1/8-27	1.46	.69	.297	1/2
3/8	1/4	10006B-104	1/4-18	1.65	.88	.297	9/16
3/8	3/8	10006B-106	3/8-18	1.65	.88	.297	11/16
1/2	3/8	10008B-106	3/8-18	1.85	.94	.391	11/16
1/2	1/2	10008B-108	1/2-14	2.10	1.19	.391	7/8
5/8	1/2	10010B-108	1/2-14	2.60	1.19	.484	7/8
3/4	3/4	10012B-112	3/4-14	2.66	1.25	.609	1-1/16
1	1	10016B-116	1-11 1/2	3.08	1.45	.85	1-3/8

SAE 45° flare male rigid



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E
1/4	1/4	10004B-304	7/16-20	1.45	.81	.172	7/16
1/4	5/16	10004B-305	1/2-20	1.54	.94	.172	1/2
5/16	5/16	10005B-305	1/2-20	1.60	.94	.220	1/2
3/8	3/8	10006B-306	5/8-18	1.73	1.00	.297	5/8

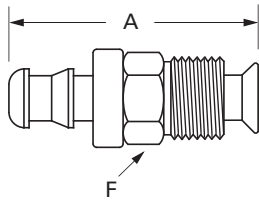
Note: Drawings may differ from actual parts.

Field attachable

100 'B' series Barb-Tite

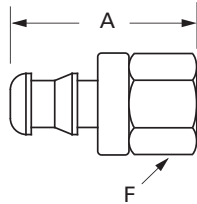
To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Inverted male swivel



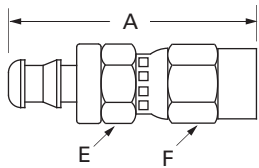
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex F
1/4	3/16	10004B-B03	3/8-24	1.39	1.13	.109	3/8
1/4	1/4	10004B-B04	7/16-24	1.42	1.13	.172	7/16
1/4	5/16	10004B-B05	1/2-20	1.52	1.19	.188	1/2
5/16	1/4	10005B-B04	7/16-24	1.81	1.11	.184	7/16
5/16	5/16	10005B-B05	1/2-20	1.60	.80	.234	1/2
5/16	3/8	10005B-B06	5/8-18	1.60	1.19	.234	5/8
3/8	5/16	10006B-B05	1/2-20	1.64	1.19	.234	1/2
3/8	3/8	10006B-B06	5/8-18	1.70	.97	.297	5/8
1/2	1/2	10008B-B08	3/4-18	2.24	1.25	.391	3/4

Female inverted rigid



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex F
1/4	3/16	10004B-A03	3/8-24	1.12	.48	.172	1/2
1/4	1/4	10004B-A04	7/16-24	1.14	.50	.172	9/16
1/4	5/16	10004B-A05	1/2-20	1.18	.56	.172	5/8
5/16	5/16	10005B-A05	1/2-20	1.25	.56	.220	5/8
3/8	5/16	10006B-A05	1/2-20	1.32	.55	.297	5/8
3/8	3/8	10006B-A06	5/8-18	1.35	.63	.297	3/4
1/2	1/2	10008B-A08	3/4-18	1.73	.75	.391	7/8

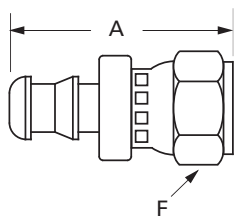
Female pipe swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex E	Hex F
1/4	1/4	10004B-254	1/4-18	2.42	1.81	.172	3/4	5/8
3/8	3/8	10006B-256	3/8-18	2.77	2.00	.297	7/8	11/16
1/2	1/2	10008B-258	1/2-14	3.29	2.38	.391	1-1/8	7/8

JIC 37° female swivel

(Refer to Footnotes)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex F
1/4	1/4	10004B-604 ^a	7/16-20	1.38	.74	.172	9/16
1/4	5/16	10004B-605 ^a	1/2-20	1.42	.81	.172	5/8
5/16	5/16	10005B-605 ^a	1/2-20	1.54	.83	.234	11/16
3/8	5/16	10006B-605 ^a	1/2-20	1.60	.88	.297	11/16
3/8	3/8	10006B-606	9/16-18	1.66	.88	.297	11/16
1/2	1/2	10008B-608 ^a	3/4-16	2.06	1.06	.391	7/8
5/8	5/8	10010B-610 ^a	7/8-14	2.67	1.19	.484	1
3/4	5/8	10012B-610 ^a	7/8-14	2.69	1.25	.511	1
3/4	3/4	10012B-612	1-1/16-12	2.69	1.19	.609	1-1/4

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

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

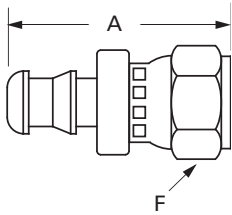
Note: Drawings may differ from actual parts.

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

Field attachable

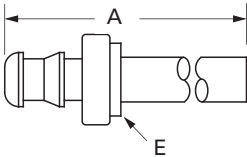
100 'B' series Barb-Tite

SAE 45° flare female swivel



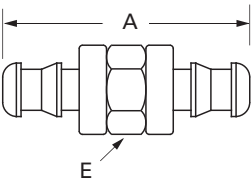
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex F
3/8	3/8	10006B-406	5/8-18	1.73	.88	.297	3/4
3/4	3/4	10012B-412	1-1/16-14	2.66	1.25	.609	1-1/4

Straight tube rigid



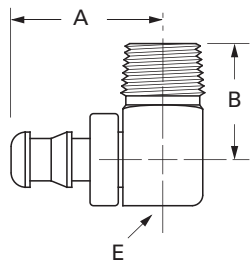
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex F
1/4	3/16	10004B-X03	.188	1.53	0.78	.172	13/32
1/4	1/4	10004B-X04	.250	1.55	0.80	.172	13/32
1/4	5/16	10004B-X05	.312	1.65	0.90	.172	13/32
5/16	5/16	10005B-X05	.312	2.02	1.21	.228	7/16
3/8	3/8	10006B-X06	.375	2.13	1.26	.297	1/2

Hose mender



Hose I.D.	Part number	A	Hose cut-off factor	Hole dia.	Hex E
1/4	10004B-Y04	1.86	.38	.172	1/2
5/16	10005B-Y05	2.04	.44	.234	9/16
3/8	10006B-Y06	2.14	.44	.297	5/8
1/2	10008B-Y08	2.46	.50	.391	3/4
5/8	10010B-Y10	3.61	.53	.48	1-1/8
3/4	10012B-Y12	3.63	.60	.61	1-1/4

Male pipe rigid 90° elbow



Hose I.D.	Pipe size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Square E
5/16	1/8	10005B-C02	1/8-27	1.11	.94	.31	.228	1/2
5/16	1/4	10005B-C04	1/4-18	1.18	.94	.38	.228	9/16
3/8	1/8	10006B-C02	1/8-27	1.17	.94	.38	.297	1/2
3/8	1/4	10006B-C04	1/4-18	1.24	.94	.38	.297	9/16

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

Note: Drawings may differ from actual parts.

Field attachable

105 'B' series Barb-Tite

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

105 'B' series Barb-Tite

⚠ WARNING

Hose can be damaged if over-tightened.

Ordering information: Order individually by part number.

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

Application: Low pressure shop or service air lines.

Compatible hose: H0105 and H0106

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

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

Material: CA360 brass

Advantages: Easy to assemble—just push the fitting into the hose and clamp. Low cost and a good selection of sizes.

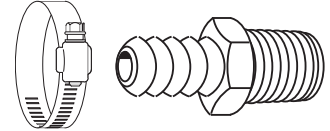
Note:

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

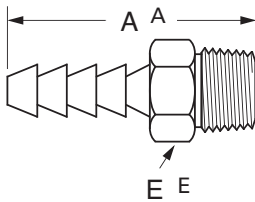
Assembly instructions:

1. Slide clamp over hose.
2. Insert barbed end of fitting into hose.
3. Locate clamp in middle of insert and tighten. Use 6203/6204 Series clamps only. See page K-29.

Label set: FS-500

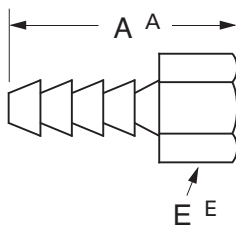


Male pipe (PTF short)



Hose I.D.	Pipe size	Part number	A	Hex F	Number of barbs
1/8	1/8	10502B-102	1.00	7/16	4
3/16	1/8	10503B-102	1.16	7/16	3
3/16	1/4	10503B-104	1.43	9/16	3
1/4	1/8	10504B-102	1.54	7/16	4
1/4	1/4	10504B-104	1.61	9/16	4
1/4	3/8	10504B-106	1.72	11/16	4
5/16	1/8	10505B-102	1.60	7/16	4
5/16	1/4	10505B-104	1.77	9/16	4
3/8	1/8	10506B-102	1.53	7/16	4
3/8	1/4	10506B-104	1.70	9/16	4
3/8	3/8	10506B-106	1.72	11/16	4
3/8	1/2	10506B-108	1.95	7/8	4
1/2	1/4	10508B-104	1.71	9/16	4
1/2	3/8	10508B-106	1.72	11/16	4
1/2	1/2	10508B-108	1.94	7/8	4
1/2	3/4	10508B-112	1.95	1-1/8	4
5/8	3/8	10510B-106	1.72	3/4	4
5/8	1/2	10510B-108	1.95	7/8	4
5/8	3/4	10510B-112	1.91	1-1/8	4
3/4	1/2	10512B-108	1.86	7/8	4
3/4	3/4	10512B-112	1.92	1-1/8	4

Female pipe (NPTF)



Hose I.D.	Pipe size	Part number	A	Hex F	Number of barbs
1/8	1/8	10502B-202	.97	9/16	4
3/16	1/8	10503B-202	1.19	9/16	3
1/4	1/8	10504B-202	1.47	9/16	4
1/4	1/4	10504B-204	1.58	11/16	4
5/16	1/8	10505B-202	1.47	9/16	4
5/16	1/4	10505B-204	1.58	11/16	4
3/8	1/8	10506B-202	1.47	9/16	4
3/8	1/4	10506B-204	1.58	11/16	4
3/8	3/8	10506B-206	1.64	13/16	4
1/2	1/4	10508B-204	1.58	11/16	4
1/2	3/8	10508B-206	1.64	13/16	4
1/2	1/2	10508B-208	1.86	1	4

Note: Drawings may differ from actual parts.

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

Field attachable

338 'B' series

338 'B' series

(Parts are stamped with DOT)

Ordering information: Order individually by part number. Complete air brake hose assemblies can be found in the Ready-Made Hose Assemblies section of this catalog. Refer to page K-16.

! Refer to important safety information on pages A-2.

Application:
Air brake hose lines.

Compatible hose: EC038

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

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

Material: CA360 brass

Advantages: Can be used for nearly any air brake line. Easy to assemble with a good selection of hose end configurations. Brass material offers excellent resistance against corrosion.

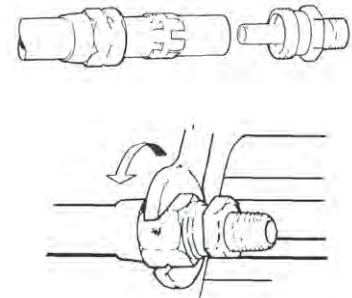
Assembly instructions:

1. Slide nut and sleeve onto hose. Make sure bevel edge of sleeve faces out toward fitting.
2. Push hose into fitting until it bottoms.
3. Screw nut until contact is made with body hex.

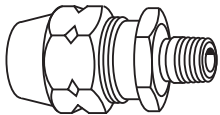
Label set: FS-800

Note:

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

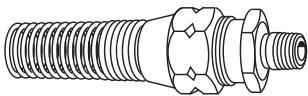


Male connector



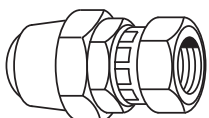
Hose I.D.	Pipe size	Part number	Overall length	Hose cut-off factor
3/8	1/4	33806B-Y24	2.26	.69
3/8	3/8	33806B-Y26	2.35	.81
3/8	1/2	33806B-Y28	2.45	.94
1/2	3/8	33808B-Y26	2.24	.75
1/2	1/2	33808B-Y28	2.40	.94

Male connector with spring guard



Hose I.D.	Pipe size	Part number	Overall length	Hose cut-off factor
3/8	1/4	33806B-Y34	4.72	.75
3/8	3/8	33806B-Y36	4.78	.81
3/8	1/2	33806B-Y38	4.88	.94
1/2	3/8	33808B-Y36	5.12	.75
1/2	1/2	33808B-Y38	4.88	.94

Female connector



Hose I.D.	ABS thread size	Part number	Overall length	Hose cut-off factor
3/8	3/4-20	33806B-Y76	2.40	.88
1/2	7/8-20	33808B-Y78	2.37	.88

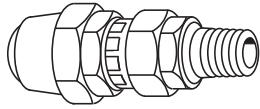
(Steel nut)

Field attachable

338 'B' series

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

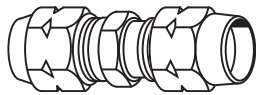
Female connector with adapter



Hose I.D.	Pipe size	Part number	ABS thread size	Overall length	Hose cut-off factor
3/8	1/4	33806B-Y84	3/4-20	3.33	1.81
3/8	3/8	33806B-Y86	3/4-20	3.33	1.75
1/2	3/8	33808B-Y86	7/8-20	3.30	1.75

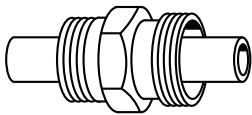
(Steel nut)

Hose mender



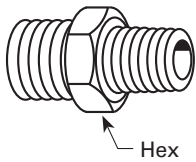
Hose I.D.	Part number	Overall length
3/8	33806B-Y06	3.28
1/2	33808B-Y08	3.25

Hose mender (Body only)



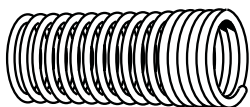
Hose I.D.	Part number	Overall length
3/8	33806-E	2.55

Adapter



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

Spring guard

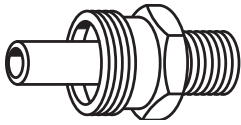


Hose I.D.	Part number
3/8	33806-C
1/2	33808-C

(Steel nut)

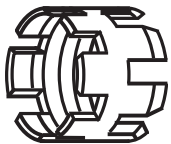
WARNING: California Proposition 65, see page A-2.

Insert
(Body only)



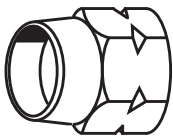
Hose I.D.	Pipe size	Part number	Hole dia.
3/8	1/4	1391x6	.281
3/8	3/8	1391x6x6	.281
3/8	1/2	1391x6x8	.281
1/2	3/8	1391x8	.390
1/2	1/2	1391x8x8	.390

Sleeve



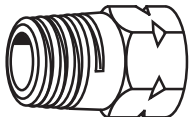
Hose I.D.	Part number
3/8	33806-A
1/2	33808-A

Nut



Hose I.D.	Part number
3/8	33806-B
1/2	33808-B

Nut For spring guard



Hose I.D.	Part number
3/8	33806-D
1/2	33808-D

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

Field attachable

069 'D' series

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

069 'D' series

Ordering information: Order individually by part number. For mandrel, see page L-25.

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

Application: Medium pressure and high temperature hose lines for a variety of applications including truck, industrial, and small engine where temperature may be a problem.

Compatible hose: H069, H166, H169, H229, H366.

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

Material: AISI/SAE 12L14 carbon steel

Plating: Zinc; clear trivalent chromate

Advantages: Very popular in heavy-duty truck markets. Can be used with a variety of hoses allowing for a diverse number of applications.

Assembly instructions:

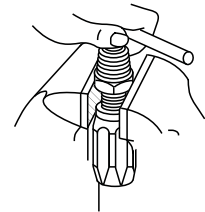
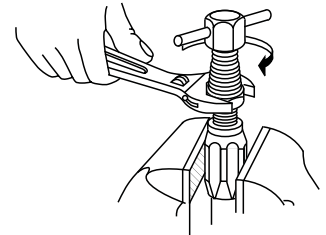
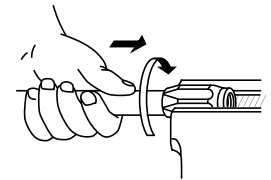
1. Lubricate* mandrel, insert threads and I.D. of hose.
2. Screw hose into socket (left-hand thread) until hose bottoms. Back out 1/4 turn.
3. Place insert on mandrel. Screw insert into socket. When assembling swivel ends, leave 1/32" clearance between swivel nut and socket.

* Eaton Assembly Lubricant
222070-8 - 1 gallon plastic jug
222070 - 1 pint plastic squeeze bottle

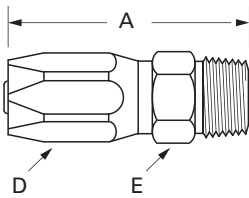
Label set: FS-600

Note:

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



Male pipe rigid



Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/8	06904D-102	1/8-27	1.72	1.00	.17	5/8	7/16
3/16	1/4	06904D-104	1/4-18	1.90	1.19	.17	5/8	9/16
1/4	1/4	06905D-104	1/4-18	1.96	1.18	.25	11/16	9/16
5/16	1/4	06906D-104	1/4-18	2.10	1.25	.30	13/16	5/8
13/32	3/8	06908D-106	3/8-18	2.48	1.38	.39	15/16	11/16
13/32	1/2	06908D-108	1/2-14	2.73	1.58	.39	15/16	7/8
1/2	1/2	06910D-108	1/2-14	2.88	1.59	.48	1-1/8	7/8
5/8	3/4	06912D-112	3/4-14	3.24	1.67	.61	1-1/4	1-1/16
7/8	3/4	06916D-112	3/4-14	2.80	1.53	.72	1-7/16	1-1/8
7/8	1	06916D-116	1-11-1/2	3.00	1.81	.81	1-7/16	1-3/8
1-1/8	1-1/4	06920D-120	1-1/4-11-1/2	3.18	1.88	1.05	1-3/4	1-11/16
1-3/8	1-1/2	06924D-124	1-1/2-11-1/2	3.48	2.03	1.28	1-15/16	2
1-13/16	2	06932D-132	2-11-1/2	4.06	2.21	1.75	2-1/2	2-1/2
2-3/8	2-1/2	06940T-140*	2-1/2-8	5.03	3.13	2.20	3-1/8	3

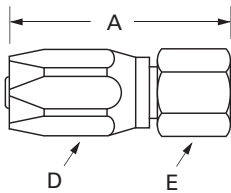
* Brass construction

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

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

JIC 37° female swivel

(Exceptions noted for 45° flare – refer to footnotes)



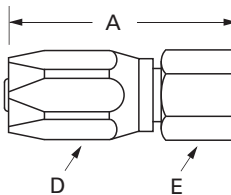
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/4	06904D-604 ^a	7/16-20	1.74	1.06	.17	5/8	9/16
1/4	5/16	06905D-605 ^a	1/2-20	1.90	1.19	.24	11/16	5/8
5/16	3/8	06906D-606	9/16-18	2.05	1.15	.30	13/16	11/16
13/32	1/2	06908D-608 ^a	3/4-16	2.52	1.38	.39	15/16	7/8
1/2	5/8	06910D-610 ^a	7/8-14	2.79	1.56	.49	1-1/8	1
5/8	3/4	06912D-612	1-1/16-12	3.15	1.63	.61	1-1/4	1-1/4
7/8	1	06916D-616	1-5/16-12	2.81	1.63	.82	1-7/16	1-1/2
1-1/8	1-1/4	06920D-620	1-5/8-12	3.00	1.64	1.05	1-3/4	2
1-3/8	1-1/2	06924D-624	1-7/8-12	3.28	1.88	1.28	1-15/16	2-1/4
1-13/16	2	06932D-632	2-1/2-12	4.02	2.18	1.75	2-1/2	2-7/8
2-3/8	2-1/2	06940T-640*	3-12	4.16	2.25	2.22	3-1/8	3-3/8

*Brass construction.

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

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

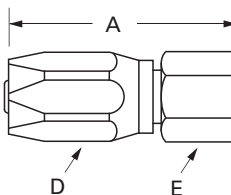
SAE 45° female swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
5/16	3/8	06906D-406	5/8-18	2.05	1.19	.29	13/16	3/4
5/8	3/4	06912D-412	1-1/16-14	3.02	1.44	.61	1-1/4	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 D	Hex E
7/8	1	06916D-X26	1-5/16-14	2.60	1.33	.81	1-7/16	1-1/2

(See page J-128 for PTT thread adapter.)

Field attachable

213 'N' series

213 'N' series

Ordering information: Order individually by part number.

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

Application: Medium pressure and high temperature hose lines for a variety of applications including truck, industrial, and small engines where high temperatures exist.

Compatible hose: H213

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: AISI/SAE 12L14 carbon steel

Plating: Zinc; clear trivalent chromate

Advantages: Very popular in heavy-duty truck markets. Good selection of Fittings. Non-mandrel assembly.

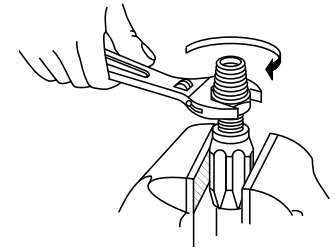
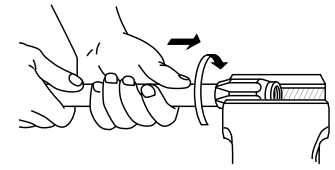
Assembly instructions:

1. Lubricate* insert threads and I.D. of hose.
2. Screw hose into socket (left-hand thread) until hose bottoms. Back out 1/4 turn.
3. Screw insert into socket until insert touches socket.

* Eaton Assembly Lubricant
222070-8 - 1 gallon plastic jug
222070 - 1 pint plastic squeeze bottle

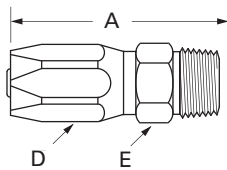
Note:

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



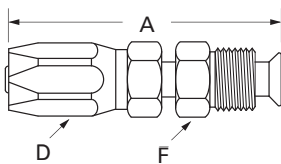
To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

Male pipe rigid



Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/8	21304N-102	1/8-27	1.59	.94	.12	9/16	7/16
3/16	1/4	21304N-104	1/4-18	1.78	1.13	.12	9/16	9/16
1/4	1/4	21305N-104	1/4-18	1.80	1.06	.17	5/8	9/16
5/16	3/8	21306N-106	3/8-18	1.96	1.19	.23	3/4	11/16
13/32	1/2	21308N-108	1/2-14	2.36	1.44	.33	7/8	7/8
1/2	1/2	21310N-108	1/2-14	2.45	1.44	.42	1	7/8
5/8	3/4	21312N-112	3/4-14	2.56	1.50	.55	1-1/8	1-1/16
7/8	1	21316N-116	1-11-1/2	2.71	1.69	.80	1-3/8	1-3/8

Inverted male swivel straight

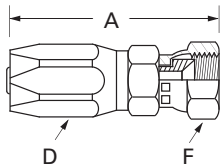


Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	21304N-B04	7/16-24	2.43	1.69	.15	9/16	7/16
1/4	5/16	21305N-B05	1/2-20	2.47	1.75	.21	5/8	1/2
5/16	1/4	21306N-B04	7/16-24	2.50	1.63	.15	3/4	7/16
5/16	5/16	21306N-B05	1/2-20	2.57	1.75	.21	3/4	1/2
5/16	3/8	21306N-B06	5/8-18	2.74	1.88	.25	3/4	5/8
13/32	1/2	21308N-B08	3/4-18	3.26	2.25	.33	7/8	3/4

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

JIC 37° female swivel

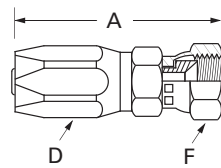
(Exceptions noted for 45° flare – refer to footnotes)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	21304N-604 ^a	7/16-20	1.92	1.25	.15	9/16	9/16
1/4	5/16	21305N-605 ^a	1/2-20	2.01	1.25	.20	5/8	5/8
5/16	3/8	21306N-606	9/16-18	2.20	1.38	.26	3/4	11/16
13/32	1/2	21308N-608 ^a	3/4-16	2.49	1.50	.36	7/8	7/8
1/2	5/8	21310N-610 ^a	7/8-14	2.69	1.63	.45	1	1
5/8	3/4	21312N-612	1-1/16-12	2.91	1.75	.57	1-1/8	1-1/4
7/8	1	21316N-616	1-5/16-12	2.95	1.88	.82	1-3/8	1-1/2

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

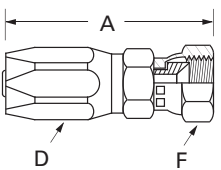
SAE 45° female swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex F
5/16	3/8	21306N-406	5/8-18	2.14	1.38	.26	3/4	3/4
5/8	3/4	21312N-412	1-1/16-14	2.85	1.75	.57	1-1/8	1-1/4

30° Flare female swivel

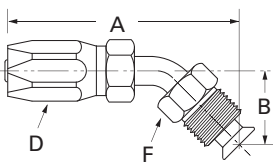
(PTT thread For diesel applications)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex F
7/8	1	21316N-X26	1-5/16-14	2.78	1.69	.81	1-3/8	1-1/2

(See page J-128 for PTT thread adapter.)

**Inverted male swivel
45° tube elbow**



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	21304N-E44	7/16-24	2.91	.93	2.19	.15	9/16	7/16
1/4	5/16	21305N-E45	1/2-20	3.30	1.14	2.63	.21	5/8	1/2
5/16	1/4	21306N-E44	7/16-24	3.10	.93	2.25	.15	3/4	7/16
5/16	5/16	21306N-E45	1/2-20	3.40	1.14	2.63	.21	3/4	1/2
5/16	3/8	21306N-E46	5/8-18	3.26	.94	2.38	.25	3/4	5/8
13/32	1/2	21308N-E48	3/4-18	3.70	.94	2.69	.33	7/8	3/4

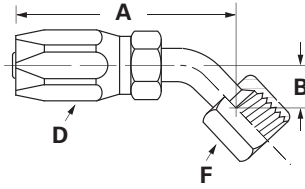
Field attachable

213 'N' series

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

SAE 37° female swivel 45° tube elbow

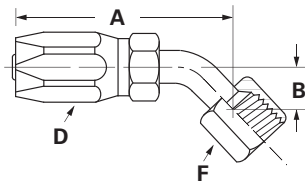
(Exceptions noted for 45° flare – refer to footnotes)



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	21304N-684 ^a	7/16-20	2.34	.33	1.63	.15	9/16	9/16
1/4	5/16	21305N-685 ^a	1/2-20	2.44	.36	1.69	.21	5/8	5/8
5/16	3/8	21306N-686	9/16-18	2.61	.39	1.75	.25	3/4	5/8
13/32	1/2	21308N-688 ^a	3/4-16	3.13	.55	2.13	.33	7/8	7/8

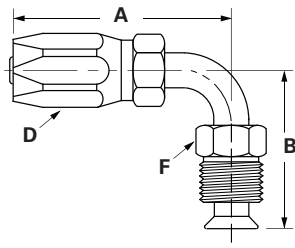
^a Swivel nuts are universal – both SAE 37° and 45° connections.

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 D	Hex F
5/16	3/8	21306N-486	5/8-18	2.85	.39	1.81	.25	3/4	3/4

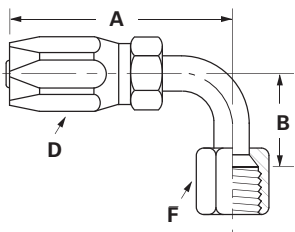
Inverted male swivel 90° tube elbow



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	21304N-E04	7/16-24	1.69	1.36	1.50	.13	9/16	7/16
1/4	5/16	21305N-E05	1/2-20	2.49	1.61	1.75	.17	5/8	1/2
5/16	1/4	21306N-E04	7/16-24	2.58	1.65	1.75	.15	3/4	7/16
5/16	5/16	21306N-E05	1/2-20	2.50	1.61	1.63	.21	3/4	1/2
5/16	3/8	21306N-E06	5/8-18	2.82	1.97	2.00	.24	3/4	5/8
13/32	1/2	21308N-E08	3/4-18	2.78	1.69	1.81	.33	7/8	3/4

JIC 37° female swivel 90° tube elbow

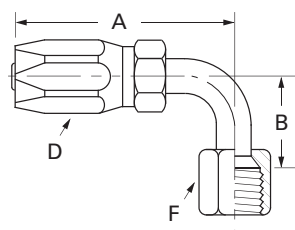
(Exceptions noted for 45° flare – refer to footnotes)



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	21304N-664 ^a	7/16-20	2.16	.68	1.44	.13	9/16	9/16
1/4	5/16	21305N-665 ^a	1/2-20	2.46	.77	1.75	.17	5/8	5/8
5/16	3/8	21306N-666	9/16-18	2.61	.85	1.81	.24	3/4	11/16
13/32	1/2	21308N-668 ^a	3/4-16	2.91	1.09	1.94	.33	7/8	7/8

^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 D	Hex F
5/16	3/8	21306N-466	5/8-18	2.48	.85	1.63	.24	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.

Field attachable

247 'N' series

247 'N' series

Ordering information: Order individually by catalog number.

! Refer to important safety information on pages A-2.

Application: Medium pressure and high temperature hose lines for a variety of applications including truck, industrial, and small engine where temperature may be a problem.

Compatible hose: H059, H069, H166, H169, H229, 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: AISI/SAE 12L14 carbon steel

Plating: Zinc; clear trivalent chromate

Advantages: Very popular in heavy-duty truck markets. Good selection of fittings. Compatible with a wide variety of hose types allowing for a diverse number of applications. Non-mandrel assembly.

Assembly instructions:

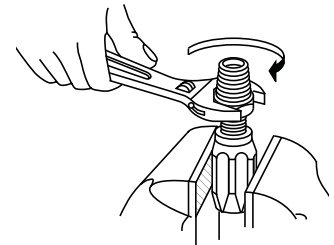
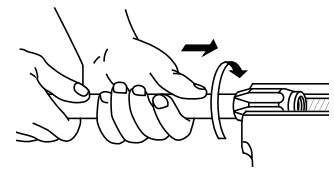
1. Lubricate* insert threads and I.D. of hose.
2. Screw hose into socket (left-hand thread) until hose bottoms. Back out 1/4 turn.
3. Screw insert into socket until insert touches socket.

* Eaton Assembly Lubricant
222070-8 - 1 gallon plastic jug
222070 - 1 pint plastic squeeze bottle

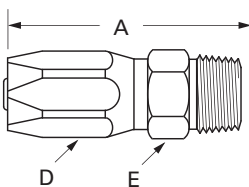
Label set: FS-600

Note:

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

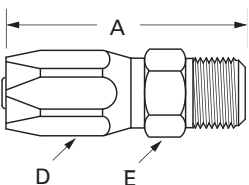


Male pipe rigid



Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/8	24704N-102	1/8-27	1.71	1.00	.12	5/8	7/16
3/16	1/4	24704N-104	1/4-18	1.87	1.12	.12	5/8	9/16
1/4	1/4	24705N-104	1/4-18	1.96	1.25	.18	11/16	9/16
5/16	1/4	24706N-104	1/4-18	2.08	1.25	.25	13/16	9/16
5/16	3/8	24706N-106	3/8-18	2.11	1.25	.25	13/16	11/16
13/32	3/8	24708N-106	3/8-18	2.48	1.33	.36	15/16	11/16
13/32	1/2	24708N-108	1/2-14	2.73	1.58	.36	15/16	7/8
1/2	1/2	24710N-108	1/2-14	2.88	1.63	.45	1-1/8	7/8
1/2	3/4	24710N-112	3/4-14	2.94	1.69	.45	1-1/8	1-1/8
5/8	3/4	24712N-112	3/4-14	3.24	1.67	.55	1-1/4	1-1/4

JIC 37° male rigid



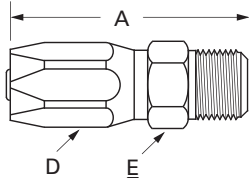
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/4	24704N-504	7/16-20	1.85	1.10	.12	5/8	1/2
1/4	5/16	24705N-505	1/2-20	2.01	1.19	.18	11/16	9/16
5/16	3/8	24706N-506	9/16-18	2.13	1.25	.25	13/16	5/8
13/32	1/2	24708N-508	3/4-16	2.64	1.56	.36	15/16	13/16
1/2	5/8	24710N-510	7/8-14	2.92	1.69	.45	1-1/8	15/16
5/8	3/4	24712N-512	1-1/16-12	3.32	1.81	.55	1-1/4	1-1/8
7/8	1	24716N-516	1-5/16-12	2.97	1.81	.81	1-7/16	1-3/8

Field attachable

247 'N' series

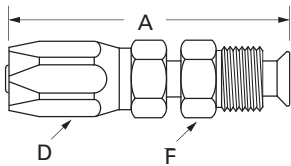
To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.

SAE 45° flare male rigid



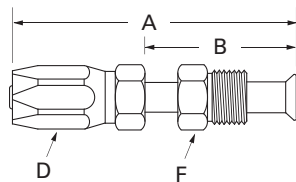
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/4	24704N-304	7/16-20	1.84	1.13	.12	5/8	1/2
1/4	5/16	24705N-305	1/2-20	2.00	1.25	.18	11/16	9/16
5/16	3/8	24706N-306	5/8-18	2.18	1.28	.25	13/16	11/16
13/32	1/2	24708N-308	3/4-16	2.67	1.50	.36	15/16	13/16
1/2	5/8	24710N-310	7/8-14	3.00	1.72	.45	1-1/8	15/16
5/8	3/4	24712N-312	1-1/16-14	3.46	1.88	.55	1-1/4	1-1/8

Inverted male swivel straight



Hose I.D.	Pipe size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	24704N-B04	7/16-24	2.54	1.81	.18	5/8	7/16
1/4	5/16	24705N-B05	1/2-20	2.75	2.00	.21	11/16	1/2
5/16	3/8	24706N-B06	5/8-18	2.91	2.00	.31	13/16	5/8
13/32	1/2	24708N-B08	3/4-18	3.63	2.50	.43	15/16	3/4

Inverted male swivel - extended

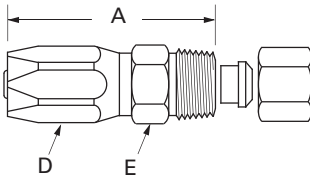


Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
5/16	1/4	24706N-B24	7/16-24	7.62	6.00	6.75	.15	13/16	7/16
5/16	5/16	24706N-B25	1/2-20	7.62	6.00	6.75	.21	16/16	1/2
5/16	3/8	24706N-B26	5/8-18	7.62	6.00	6.75	.24	13/16	5/8

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

Flareless tube rigid ermeto 7000 series

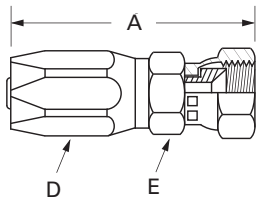
(With nut and sleeve)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
5/16	1/4	24706N-754	7/16-20	2.02	1.13	.20	13/16	5/8
5/16	5/16	24706N-755	1/2-20	1.96	1.13	.23	13/16	5/8
5/16	3/8	24706N-756	9/16-18	1.98	1.13	.28	13/16	11/16
5/16	1/2	24706N-758	3/4-16	2.12	1.25	.28	13/16	13/16

JIC 37° female swivel

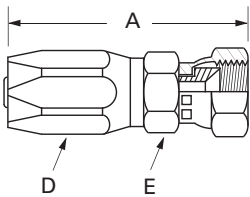
(Exceptions noted)



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/4	24704N-604 ^a	7/16-20	2.01	1.31	.13	5/8	9/16
1/4	5/16	24705N-605 ^a	1/2-20	2.19	1.50	.18	11/16	5/8
5/16	1/4	24706N-604 ^a	7/16-20	2.19	1.31	.17	13/16	9/16
5/16	5/16	24706N-605 ^a	1/2-20	2.38	1.50	.25	13/16	5/8
5/16	3/8	24706N-606	9/16-18	2.35	1.50	.25	13/16	11/16
5/16	1/2	24706N-608 ^a	3/4-16	2.45	1.56	.39	13/16	7/8
13/32	1/2	24708N-608 ^a	3/4-16	2.82	1.75	.36	15/16	7/8
1/2	1/2	24710N-608 ^a	3/4-16	3.04	1.75	.39	1-1/8	7/8
1/2	5/8	24710N-610 ^a	7/8-14	3.04	1.75	.45	1-1/8	1
5/8	3/4	24712N-612	1-1/16-12	3.46	1.94	.55	1-1/4	1-1/4
7/8	1	24716N-616	1-5/16-12	3.21	2.00	.81	1-7/16	1-1/2

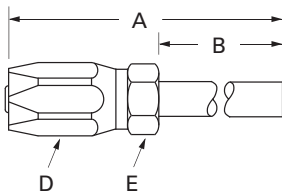
^a Swivel nuts are universal – both SAE 37° and 45° connections.

SAE 45° flare female swivel



Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
5/16	3/8	24706N-406	5/8-18	2.36	1.46	.25	13/16	3/4
13/32	3/8	24708N-406	5/8-18	2.65	1.56	.28	15/16	3/4
5/8	3/4	24712N-412	1-1/16-14	3.49	1.92	.55	1-1/4	1-1/4

Straight tube – extended



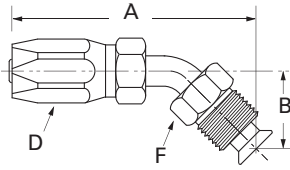
Hose I.D.	Tube size	Part number	Thread size	A	Hose cut-off factor	Hole dia.	Hex D	Hex E
3/16	1/4	24704N-T54	5.22	3.75	4.50	.12	5/8	1/2
1/4	5/16	24705N-T55	6.33	4.80	5.56	.18	11/16	1/2
5/16	3/8	24706N-T56	7.42	5.80	6.50	.25	13/16	1/2
13/32	1/2	24708N-T58	8.78	6.69	7.63	.36	15/16	3/4

Field attachable

247 'N' series

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

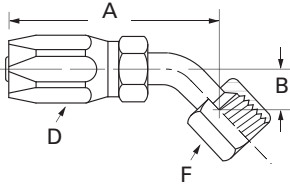
Inverted male swivel 45° tube elbow



Hose I.D.	Pipe size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
5/16	1/4	24705N-E45	1/2-20	3.42	1.14	2.63	.18	11/16	1/2

JIC 37° female swivel 45° tube elbow

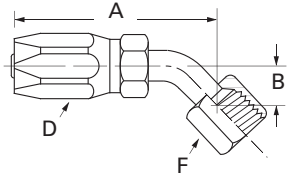
(Exceptions noted for 45° flare – refer to footnotes)



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	24704N-684 ^a	7/16-20	1.85	.33	1.10	.12	5/8	9/16
1/4	5/16	24705N-685 ^a	1/2-20	2.07	.36	1.29	.18	11/16	5/8
5/16	3/8	24706N-686	9/16-18	2.29	.39	1.33	.25	13/16	11/16
13/32	1/2	24708N-688 ^a	3/4-16	2.99	.55	1.84	.33	15/16	7/8
1/2	5/8	24710N-690 ^a	7/8-14	3.24	.63	1.95	.45	1-1/8	1
5/8	3/4	24712N-692	1-1/16-12	3.778	.78	2.21	.55	1-1/4	1-1/4
7/8	1	24716N-696	1-5/16-12	4.21	1.07	2.85	.76	1-7/16	1-7/16

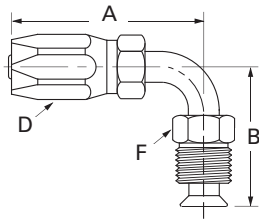
^a Swivel nuts are universal – both SAE 37° and 45° connections.

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 D	Hex F
5/16	1/4	24706N-484	7/16-20	2.61	.33	1.75	.25	13/16	5/8
5/16	3/8	24706N-486	5/8-18	2.23	.45	1.33	.25	13/16	3/4
5/8	3/4	24712N-492	1-1/16-14	3.78	.80	2.21	.55	1-1/4	1-1/4

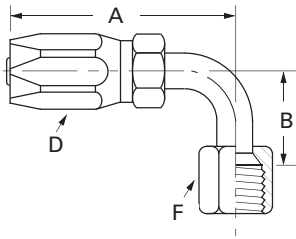
Inverted male swivel 90° tube elbow



Hose I.D.	Pipe size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	24704N-E04	7/16-24	2.36	1.69	1.62	.18	5/8	7/16
1/4	5/16	24705N-E05	1/2-20	2.53	1.69	1.75	.24	11/16	1/2
5/16	1/4	24706N-E04	7/16-24	2.41	1.36	1.50	.18	7/8	7/16
5/16	5/16	24706N-E05	1/2-20	2.63	1.69	1.73	.24	7/8	1/2
5/16	3/8	24706N-E06	5/8-18	2.63	1.73	1.73	.30	7/8	5/8

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

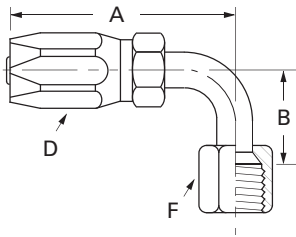
**JIC 37° female swivel
90° tube elbow**
(Exceptions noted)



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	24704N-664 ^a	7/16-20	1.74	.68	0.99	.12	5/8	9/16
1/4	5/16	24705N-665 ^a	1/2-20	1.96	.77	1.18	.18	11/16	5/8
5/16	3/8	24706N-666	9/16-18	2.13	.85	1.23	.25	13/16	11/16
13/32	1/2	24708N-668 ^a	3/4-16	2.76	1.09	1.61	.36	15/16	7/8
1/2	1/2	24710N-668 ^a	3/4-16	2.91	1.09	1.62	.45	15/16	7/8
1/2	5/8	24710N-670 ^a	7/8-14	2.94	1.23	1.65	.45	1-1/8	1
5/8	3/4	24712N-672	1-1/16-12	3.74	1.82	2.17	.55	1-1/4	1-1/4
7/8	1	24716N-676	1-5/16-12	3.55	2.39	2.28	.81	1-7/16	1-1/2

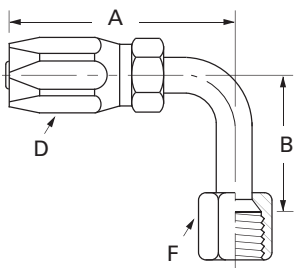
^a Swivel nuts are universal – both SAE 37° and 45° connections.

**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 D	Hex F
5/16	3/8	24706N-466	5/8-18	2.13	.85	1.23	.25	13/16	3/4
5/8	3/4	24712N-472	1-1/16-14	3.74	1.82	2.17	.55	1-1/4	1-1/4

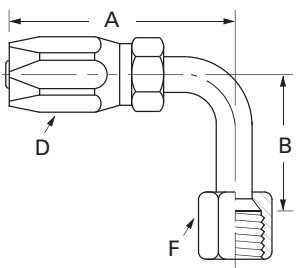
**JIC 37° female swivel
long drop 90° tube elbow**
(Exceptions noted)



Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
3/16	1/4	24704N-644 ^a	7/16-20	1.74	1.80	0.99	.15	5/8	9/16
1/4	5/16	24705N-645 ^a	1/2-20	1.96	1.77	1.18	.21	11/16	5/8
5/16	3/8	24706N-646	9/16-18	2.13	2.18	1.23	.24	13/16	11/16
13/32	1/2	24708N-648 ^a	3/4-16	2.88	2.43	1.73	.33	15/16	7/8
1/2	5/8	24710N-650 ^a	7/8-14	3.19	2.57	1.90	.46	1-1/8	1
5/8	3/4	24712N-652	1-1/16-12	3.74	3.73	2.17	.58	1-1/4	1-1/4
7/8	1	24716N-656	1-5/16-12	3.55	4.58	2.28	.76	1-7/16	1-1/2

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

**SAE 45° female swivel
long drop 90° tube elbow**

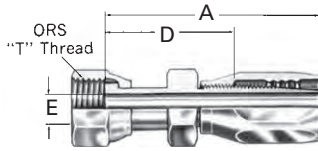


Hose I.D.	Tube size	Part number	Thread size	A	B	Hose cut-off factor	Hole dia.	Hex D	Hex F
5/16	1/4	24706N-444	7/16-20	2.54	1.80	1.63	.15	13/16	5/8
5/16	3/8	24706N-446	5/8-18	2.13	2.18	1.23	.24	13/16	3/4
5/8	3/4	24712N-452	1-1/16-14	3.74	3.73	2.17	.58	1-1/4	1-1/4

Field attachable

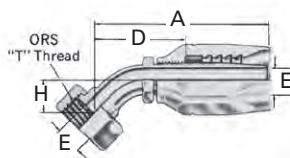
FC800 Evercool

Female ORS swivel



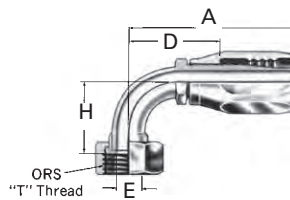
Hose size	Tube size	Part number	Thread size	A		Hose cut-off factor		Hole dia.		Hex	O-Ring ref
				mm	in.	mm	in.	mm	in.		
12	12	EJ5305-1212S	1-3/16-12	93,0	3.66	54,4	2.14	11,9	.47	1-1/4	FF91026-12
16	16	EJ5305-1616S	1-7/16-12	85,9	3.38	56,4	2.22	17,5	.69	1-5/8	FF91026-16
20	20	EJ5305-2020S	1-11/16-12	92,3	3.63	58,8	2.31	24,2	.95	1-7/8	FF91026-20
24	24	EJ5305-2424S	2-12	96,2	3.79	61,2	2.41	29,5	1.16	2-1/4	FF91026-24

Female ORS swivel 45° tube elbow



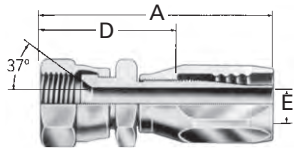
Hose size	Tube size	Part number	Thread size	A		Hose cut-off factor		Drop dim.		Hole dia.		Hex	O-Ring ref
				mm	in.	mm	in.	mm	in.	mm	in.		
12	12	EJ5361-1212S	1-3/16x12	97,5	3.84	57,4	2.26	21,0	.83	11,9	.47	1-3/8	FF91026-12
16	16	EJ5361-1616S	1-7/16x12	91,9	3.62	59,6	2.35	24,0	.94	17,5	.69	1-5/8	FF91026-16
20	20	EJ5361-2020S	1-11/16x12	103,6	4.08	69,1	2.72	25,0	.98	24,2	.95	1-7/8	FF91026-20
24	24	EJ5361-2424S	2x12	109,8	4.32	72,6	2.86	27,0	1.06	29,5	1.16	2-1/4	FF91026-24

Female ORS swivel 90° tube elbow



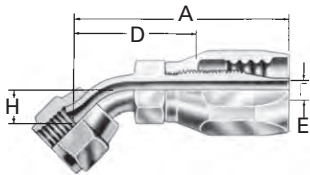
Hose size	Tube size	Part number	Thread size	A		Hose cut-off factor		Drop dim.		Hole dia.		Hex	O-Ring ref
				mm	in.	mm	in.	mm	in.	mm	in.		
12	12	EJ5362-1212S	1-3/16x12	95,0	3.74	55,1	2.17	48,3	1.90	11,9	.47	1-3/8	FF91026-12
16	16	EJ5362-1616S	1-7/16x12	90,2	3.55	57,9	2.28	56,4	2.22	17,5	.69	1-5/8	FF91026-16
20	20	EJ5362-2020S	1-11/16x12	102,1	4.02	67,3	2.65	63,5	2.50	24,2	.95	1-7/8	FF91026-20
24	24	EJ5362-2424S	2x12	112,3	4.42	75,4	2.97	68,6	2.70	29,5	1.16	2-1/4	FF91026-24

Female SAE 37° JIC swivel



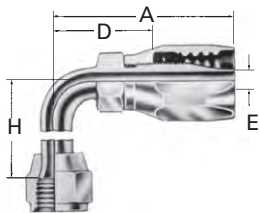
Hose size	Tube size	Part number	Thread size	A		Hose cut-off factor		Hole dia.		Hex	O-Ring ref
				mm	in.	mm	in.	mm	in.		
12	12	EJ5306-1212S	1-1/16-12	76,9	3.03	38,3	1.51	11,9	.47	1-1/4	FF91026-12
16	16	EJ5306-1616S	1-5/16-12	70,6	1.78	41,1	1.62	17,5	.69	1-1/2	FF91026-16
20	20	EJ5306-2020S	1-5/8-12	80,1	3.15	46,6	3.15	24,2	.95	2	FF91026-20
24	24	EJ5306-2424S	1-7/8-12	84,5	3.33	49,5	1.95	29,5	1.16	2-1/4	FF91026-24

Female SAE 37° JIC swivel
45° tube elbow



Hose size	Tube size	Part number	Thread size	A		Hose cut-off factor		Drop dim.		Hole dia.		Hex	O-Ring ref
				mm	in.	mm	in.	mm	in.	mm	in.		
12	12	EJ5359-1212S	1-1/16-12	96,1	3.78	56,2	2.21	19,7	.78	11,9	.47	1-1/4	FF91026-12
16	16	EJ5359-1616S	1-5/16-12	95,2	3.75	63,0	2.48	27,1	1.07	17,5	.69	1-1/2	FF91026-16
20	20	EJ5359-2020S	1-5/8-12	106,9	4.21	72,4	2.85	31,0	1.22	24,2	.95	2	FF91026-20

Female JIC/SAE 37° swivel
90° tube elbow



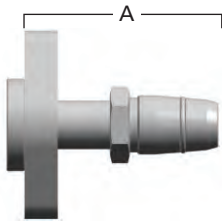
Hose size	Tube size	Part number	Thread size	A		Hose cut-off factor		Drop dim.		Hole dia.		Hex	O-Ring ref
				mm	in.	mm	in.	mm	in.	mm	in.		
12	12	EJ5360-1212S	1-1/16-12	95,0	3.74	55,1	2.17	46,3	1.82	11,9	.47	1-1/4	FF91026-12
16	16	EJ5360-1616S	1-5/16-12	90,3	3.56	58,2	2.29	60,7	2.39	17,5	.69	1-1/2	FF91026-16
20	20	EJ5360-2020S	1-5/8-12	102,1	4.02	67,3	2.65	69,8	2.75	24,2	.95	2	FF91026-20

Field attachable

FC800 Evercool

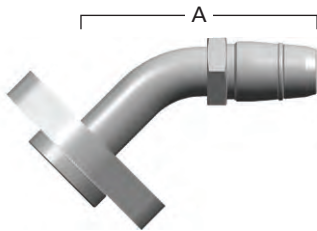
The following BOCK Fittings are MTO.
The Nipple and the Socket must be ordered separately.
Please contact Eaton Customer Service to determine leadtime.

BOCK, straight



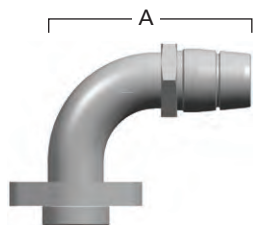
Hose size	Tube size	Part # for hose nipple	Thread size	A		Hose cut-off factor		Hole dia.		Nipple hex (metric)	Part# socket	Socket Hex (metric)
				mm	in.	mm	in.	mm	in.			
16	16	GA25126-16	-	96,0	3.78	66,5	2.62	17,5	.69	24	G1212-16K	36
20	20	GA25126-20	-	101,5	4.00	68,0	2.68	24,2	.95	36	G1212-20K	46
24	24	GA25126-24	-	96,0	3.78	53,4	2.10	29,5	1.16	46	G1212-24K	50

BOCK, 45° tube elbow



Hose size	Tube size	Part # for hose nipple	Thread size	A		Hose cut-off factor		Drop dim.		Hole dia.		Nipple Hex (metric)	Part # socket	Socket hex (metric)
				mm	in.	mm	in.	mm	in.	mm	in.			
16	16	GA25127-16	-	114,1	4.49	84,6	3.33	46,1	1.81	17,5	.69	24	G1212-16K	36
20	20	GA25127-20	-	122,6	4.83	89,1	3.51	46,1	1.81	24,2	.95	36	G1212-20K	46
24	24	GA24127-24	-	134,7	5.30	99,7	3.93	38,0	1.50	29,5	1.16	46	G1212-24K	50

BOCK, 90° tube elbow



Hose size	Tube size	Part # for hose nipple	Thread size	A		Hose cut-off factor		Drop dim.		Hole dia.		Nipple hex (metric)	part # socket	Socket hex (metric)
				mm	in.	mm	in.	mm	in.	mm	in.			
16	16	GA25128-16	-	81,5	3.21	52,0	2.05	55,4	2.18	17,5	.69	24	G1212-16K	36
24	24	GA25128-24	-	109,5	4.31	74,5	2.93	90,5	3.56	29,5	1.16	46	G1212-24K	50

End connections & O-Rings

Refrigerant compatibility chart of refrigerant hoses

Refrigerant	Hose style GH001	FC800	FC802
R-1234YF	Y	Y	Y
R134A	Y	Y	Y
R407C	Y	Y	Y
R410A	Y	Y	Y
R404A	Y	*	Y

Y = Compatible N = Non-compatible

* Contact product support for application review

Lubricant compatibility chart

Lubricant	Hose style GH001	FC800	FC802
Mineral Oil	Y	*	Y
PAG	Y	Y	Y
Ester Oil	Y	Y	Y
Alkylbenzene	*	*	Y

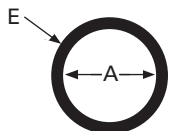
Y = Compatible N = Non-compatible

* Contact product support for application review

Tubing identification

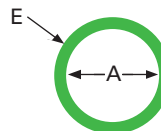
Size	Tubing style	Wall thickness
-6	SAE J526	0.035
-0608	SAE J526	0.035
-8	SAE J526	0.035
-0810	SAE J526	0.035
-10	SAE J525	0.049
-1012	SAE J525	0.049
-12	SAE J525	0.049
-16	SAE J525	0.0625

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



22546

Material: Chloroprene (Neoprene)
Durometer: 70
Temperature range: -65°F to +300°F
Color: Black



FF90178

Material: HNBR
Durometer: 70
Temperature range: -25°F to +300°F
Color: Green

O-Ring part number	O-Ring pilot dash size	A	E
22546-11	-06	.301	.07
22546-13	-08	.426	.07
22546-15	-10	.551	.07
22546-17	-12	.676	.07

O-Ring part number	O-Ring pilot dash size	A	E
FF90178-11	-06	.301	.0625
FF90178-13	-08	.426	.0625
FF90178-15	-10	.551	.0625
FF90178-17	-12	.676	.0625

E-Z Clip system

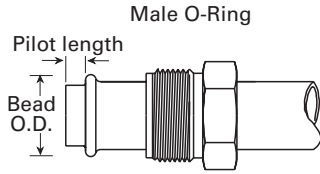
End connections & O-Rings

How to identify O-Ring pilot thread sizes

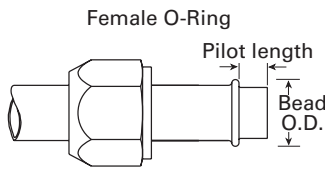
This connection is common to air conditioning systems, both in vehicle and commercial applications. Both the male and female halves of the connections have a pilot, either long or short. The seal

takes place by compressing an O-Ring adjacent to the bead of the tube. The threads hold the connection together mechanically.

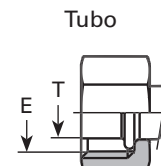
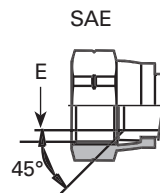
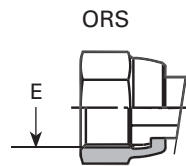
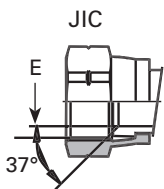
Label Set: FF90646



Inch size	Dash size	Male thread O.D. (inch)			Female thread I.D. (inch)		
		Nominal thread	Fraction	Decimal	Nominal thread	Fraction	Decimal
3/8	06	5/8 - 18	5/8	.62	5/8 - 18	9/16	.57
1/2	08	3/4 - 18	3/4	.75	3/4 - 16	11/16	.69
5/8	10	7/8 - 18	7/8	.87	7/8 - 14	13/16	.81
3/4	12	1-1/16 - 16	1-1/16	1.06	11/16 - 14	1	.99



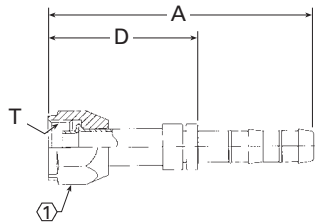
Inch size	Nominal tube size	Long pilot		Short pilot	
		Bead O.D. (inch)	Pilot length	Bead O.D. (inch)	Pilot length
3/8	06	.52	.28	.52	.19
1/2	08	.64	.39	.64	.19
5/8	10	.77	.39	.77	.19
3/4	12	.91	.39	.91	.19



Size	JIC thread	ORS thread	ØE	SAE thread	ØE	Tubo thread	ØE	ØT
-4	7/16-20	9/16-18	12,9	7/16-20	—	—	—	—
-6	9/16-18	11/16-16	15,9	5/8-18	14,5	5/8-18	14,5	8,4
-8	3/4-18	13/16-16	19,1	3/4-16	17,5	3/4-16	17,5	11,6
-10	7/8-14	1-14	23,6	7/8-14	20,5	7/8-14	20,5	14,4
-12	1-1/16-12	1-3/16-12	28,1	1-1/16-14	25,2	1-1/16-14	25,2	17,5
-16	1-5/16-12	1-7/16-12	34,5	—	—	—	—	—
-20	—	1-11/16-12	40,7	—	—	—	—	—
-24	—	—	—	—	—	—	—	—

Fittings

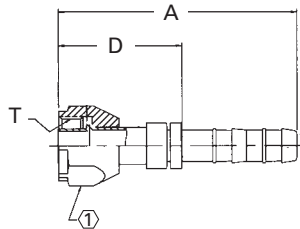
FJ5984



Straight – female O-Ring (short pilot)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ5984-0606S	5/8-18	6	3.14	1.62	—	—	0.75
FJ5984-0608S	5/8-18	8	3.16	1.62	—	—	0.75
FJ5984-0808S	3/4-16	8	3.56	2.02	—	—	0.88
FJ5984-0810S	3/4-16	10	3.57	2.02	—	—	0.88
FJ5984-1008S	7/8-14	8	3.62	2.08	—	—	0.88
FJ5984-1010S	7/8-14	10	3.63	2.08	—	—	1.06
FJ5984-1012S	7/8-14	12	3.66	2.08	—	—	1.06
FJ5984-1210S	1-1/16-14	10	4.25	2.62	—	—	1.25
FJ5984-1212S	1-1/16-14	12	4.25	2.67	—	—	1.25
FJ5984-1016S	7/8-14	16	3.76	2.08	—	—	1.06
FJ5984-1216S	1-1/16-14	16	4.35	2.67	—	—	1.25

FJ3632/EJ3111

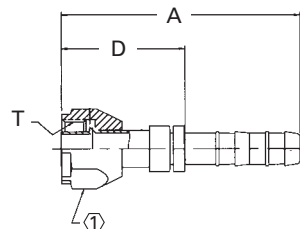


Straight – Female O-Ring, (long pilot)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3632-0806S	3/4-16	6	2.91	1.36	—	—	0.88
FJ3632-0606S	5/8-18	6	3.04	1.51	—	—	0.75
FJ3632-0808S	3/4-16	8	3.20	1.66	—	—	0.88
FJ3632-1010S	7/8-14	10	3.63	2.08	—	—	1.06
FJ3632-1012S	7/8-14	12	3.66	2.08	—	—	1.06
FJ3632-1212S	1-1/8-14	12	4.25	2.67	—	—	1.25
EJ3111-1216S	1-1/16-14	16	4.35	2.67	—	—	1.25
EJ3111-1016S*	7/8-14	16	3.76	2.08	—	—	1.06

* MTO (made to order)

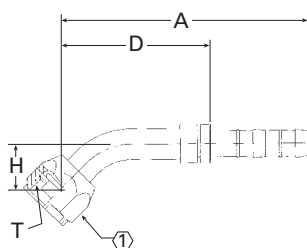
FJ3408



Straight – female O-Ring, metric thread (long pilot)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3408-0808S	M20 x 1.5	8	3.20	1.66	—	—	0.94
FJ3408-0810S	M20 x 1.5	10	3.21	1.66	—	—	0.94
FJ3408-1212S	M27 x 2	12	4.25	2.67	—	—	1.25

FJ3055



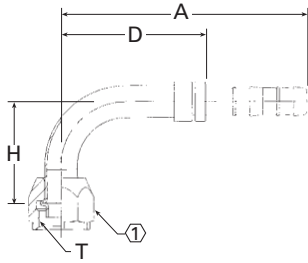
45° Elbow – female O-Ring (short pilot)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3055-01-0606S	5/8-18	6	3.60	2.08	—	0.67	0.75
FJ3055-02-0608S	5/8-18	8	3.62	2.08	—	0.67	0.75
FJ3055-03-0808S	3/4-16	8	3.94	2.40	—	0.73	0.88
FJ3055-04-0810S	3/4-16	10	3.95	2.40	—	0.73	0.88
FJ3055-05-1010S	7/8-14	10	4.37	2.81	—	1.19	1.06
FJ3055-06-1012S	7/8-14	12	4.46	2.88	—	1.25	1.06
FJ3055-07-1212S	1-1/16-14	12	5.33	3.75	—	1.47	1.25
FJ3055-09-1216S	1-1/16-14	16	5.43	3.15	—	1.47	1.25
FJ3055-08-1016S	7/8-14	16	4.56	2.66	—	1.25	1.06

E-Z Clip system

Fittings

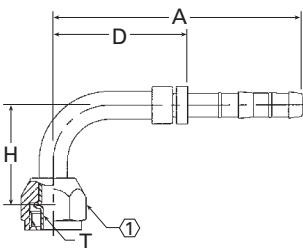
FJ5985



90° Elbow – female O-Ring (short pilot)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ5985-0606S	5/8-18	6	3.32	1.79	—	1.38	0.75
FJ5985-0608S	5/8-18	8	3.33	1.79	—	1.38	0.75
FJ5985-0806S	3/4-16	6	3.86	2.33	—	1.62	0.88
FJ5985-0808S	3/4-16	8	3.77	2.23	—	1.62	0.88
FJ5985-0810S	3/4-16	10	3.78	2.23	—	1.62	0.88
FJ5985-1010S	7/8-14	10	4.22	2.67	—	1.89	1.06
FJ5985-1012S	7/8-14	12	4.24	2.67	—	1.89	1.06
FJ5985-1210S	1-1/16-14	10	4.76	3.31	—	2.56	1.25
FJ5985-1212S	1-1/16-14	12	4.74	3.16	—	2.56	1.25
FJ5985-1216S	1-1/16-14	16	4.84	3.16	—	2.56	1.25

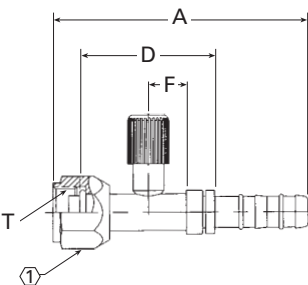
FJ3288



90° Female O-Ring (long pilot)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3288-01-0606S	5/8-18	6	3.32	1.79	—	1.38	0.75
FJ3288-02-0808S	3/4-16	8	3.77	2.23	—	1.62	0.88
FJ3288-03-0806S	3/4-16	6	3.75	2.33	—	1.62	0.88
FJ3288-04-0810S	3/4-16	10	3.78	2.23	—	1.62	0.88
FJ3288-06-1216S	1-1/16-14	16	4.84	3.16	—	2.56	1.25
FJ3288-05-1016S	7/8-14	16	4.40	2.72	—	1.89	1.06
FJ3288-07-1012S	7/8-14	12	4.24	2.67	—	1.89	1.06
FJ3288-08-1212S	1-1/16-14	12	4.74	3.16	—	2.56	1.25
FJ3288-11-1010S	7/8-14	16	4.22	2.67	—	1.89	1.06
FJ3288-13-1216S	1-1/16-14	16	4.84	3.16	—	4.33	1.25

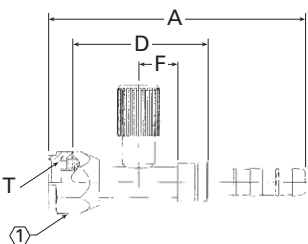
FJ3054



Straight – female O-Ring (short pilot) with R134a low side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3054-1010S	7/8-14	10	4.24	2.25	0.63	—	1.06
FJ3054-1012S	7/8-14	12	4.27	2.25	0.63	—	1.06
FJ3054-1016	7/8-14	16	4.42	2.30	0.63	—	1.06
FJ3054-1212S	1-1/16-14	12	4.58	2.43	0.54	—	1.25
FJ3054-1216S	1-1/16-14	16	4.68	2.43	0.54	—	1.25

FJ3053

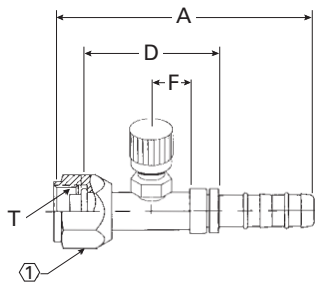


Straight – female O-Ring (short pilot) with R134a high side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3053-0606S	5/8-18	6	3.91	2.10	0.63	—	0.75
FJ3053-0806S	3/4-16	6	4.06	2.26	0.63	—	0.88
FJ3053-0808S	3/4-16	8	4.09	2.16	0.63	—	0.88
FJ3053-0810S	3/4-16	10	4.09	2.16	0.63	—	0.88

FJ3162

Straight – female O-Ring (long pilot) with switch port (7/16-20 thd)

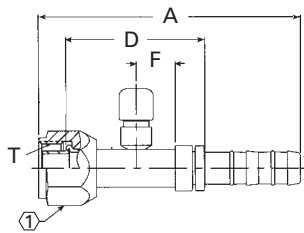


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3162-0808S	3/4-16	8	4.09	2.16	0.79	—	0.88
FJ3162-0810S*	3/4-16	10	4.48	2.53	0.63	—	0.88
FJ3162-1010S	7/8-14	10	4.25	2.25	0.79	—	1.06
FJ3162-1012S	7/8-14	12	4.27	2.25	0.79	—	1.06
FJ3162-1212S	1-1/16-14	12	4.86	2.71	0.79	—	1.25
FJ3162-1016S	7/8-14	16	4.42	2.30	0.79	—	1.06

* MTO (made to order)

FJ3416

Straight – female O-Ring (long pilot) with switch port (M10 X 1.25)

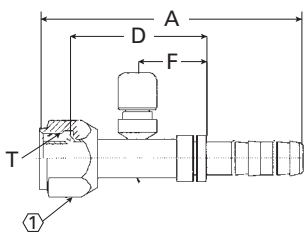


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3416-01-1010S	7/8-14	10	4.25	2.25	0.63	—	1.06
FJ3416-02-0808S*	7/8-16	8	4.46	2.53	0.63	—	0.88

* MTO (made to order)

FJ3461

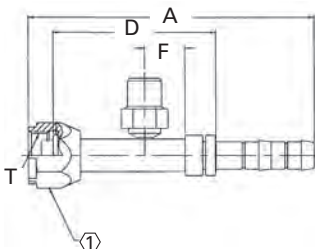
Straight – female O-Ring (long pilot) with switch port (M12 X 1.25)



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3461-01-1010S	7/8-14	10	4.25	2.25	.63	—	1.06
FJ3461-02-1012S	7/8-14	12	4.27	2.25	.63	—	1.06
FJ3461-03-1212S	1-1/16-14	12	4.86	2.71	.54	—	1.25

EJ3299

Straight - female O-Ring (short pilot) with switch port (M12 X 1.25)



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ3299-01-0808S	3/4-16	8	4.46	2.53	.63	—	.88

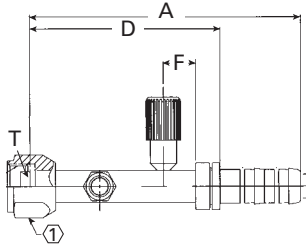
* MTO (made to order)

E-Z Clip system

Fittings

FJ3363

Straight – female O-Ring (short pilot) with R134a high side port and female switch connection, (1/8-27 thd)

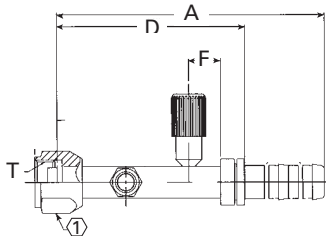


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3363-03-0808S*	3/4-16	8	5.16	3.62	.63	—	.88
FJ3363-02-0810S*	3/4-16	10	5.54	3.62	.63	—	.88

* MTO (made to order)

FJ3363

Straight – female O-Ring (short pilot) with R134a low side port and female switch connection, (1/8-27 thd)

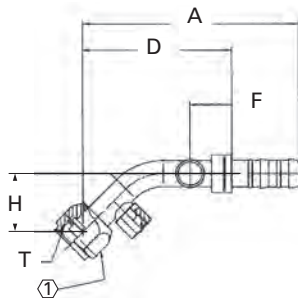


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3363-01-1012S*	7/8-14	12	5.30	3.72	0.63	—	1.06

* MTO (made to order)

FJ3365

45° Female O-Ring (short pilot) with R134a low side port and switch port (1/8-27 thd)

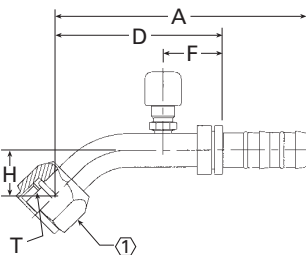


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3365-01-1012S*	7/8-14	12	5.09	3.51	0.50	1.43	1.13

* MTO (made to order)

FJ3230

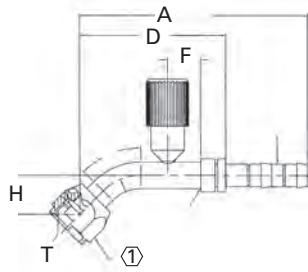
45° Female O-Ring (long pilot) with switch port (7/16-20 thd)



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3230-01-0810S	3/4-16	10	4.61	3.06	0.63	0.80	0.88
FJ3230-02-1012S	7/8-14	12	4.73	3.15	0.63	0.89	1.06
FJ3230-03-0808S	3/4-16	8	4.43	4.93	0.63	0.73	0.88
FJ3230-04-1010S	7/8-14	10	5.00	3.45	0.63	1.19	1.06
FJ3230-05-1016S	7/8-14	16	4.88	3.15	0.63	0.89	1.06
FJ3230-06-1216S*	1-1/16-14	16	5.65	3.45	1.04	1.36	1.25

* MTO (made to order)

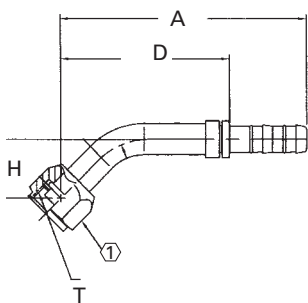
EJ3410



45° Female O-Ring (short pilot) with R134a high side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ3410-0808S	3/4-16	8	4.3	2.76	0.62	0.73	0.88

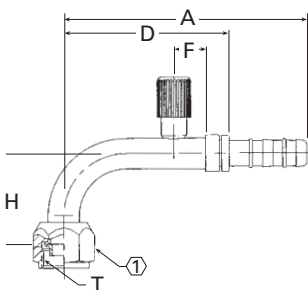
EJ3543



45° Female O-Ring (short pilot) with R134a low side port (rotated 270°)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ3543-1010S	7/8-14	10	4.99	3.44	0.52	1.19	1.06

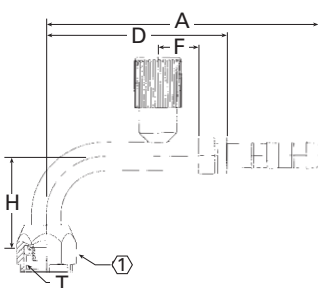
FJ3012



90° Female O-Ring (short pilot) with R134a low side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3012-02-1010S	7/8-14	10	4.88	3.33	0.63	1.89	1.06
FJ3012-01-1012S	7/8-14	12	4.83	3.25	0.63	1.89	1.06
FJ3012-03-1212S	1-1/16-14	12	5.1	3.52	0.63	2.56	1.25
FJ3012-04-1216S	1-1/16-14	16	5.2	3.52	0.63	2.56	1.25
FJ3012-05-1016S	7/8-14	16	5.2	3.52	0.63	1.89	1.06

FJ3013/EJ3302



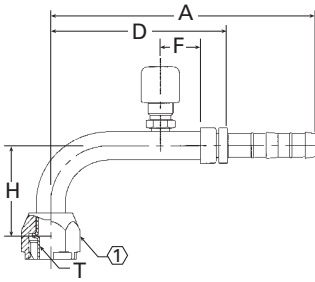
90° Female O-Ring (short pilot) with R134a high side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3013-02-0606S	5/8-18	6	4.35	2.82	0.63	1.38	0.75
FJ3013-03-0808S	3/4-16	8	4.61	3.07	0.69	1.62	0.88
FJ3013-01-0810S	3/4-16	10	4.53	2.98	0.69	1.62	0.88
FJ3013-06-1010S	7/8-14	10	4.29	3.24	0.94	2.37	1.06
EJ3302-01-0608S	M18 x 1.5	8	4.36	2.82	0.94	1.38	0.88
EJ3302-02-0808S	M20 x 1.5	8	4.52	2.98	0.69	1.62	0.94

E-Z Clip system

Fittings

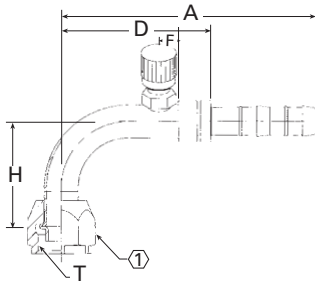
FJ3289



90° Female O-Ring (long pilot) with charge port (7/16-20 thd)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3289-03-0606S	5/8-18	6	4.35	2.82	0.69	1.35	0.75
FJ3289-01-0808S	3/4-16	8	4.61	2.59	0.69	1.62	0.88
FJ3289-02-1010S	7/8-14	10	4.8	2.77	0.63	1.93	1.06
FJ3289-04-0810S	3/4-16	10	4.62	2.59	0.69	1.62	0.88
FJ3289-05-1012S	7/8-14	12	4.82	2.77	0.63	1.93	1.06
FJ3289-06-1216S	1-1/16-14	16	4.83	3.25	0.63	1.93	1.25

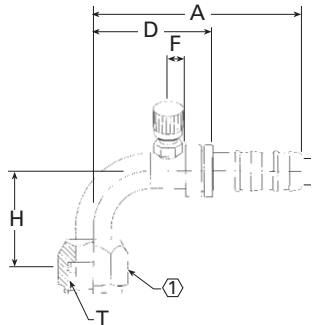
FJ3163



90° Elbow – female O-Ring (short pilot) with charge port (7/16-20 thd)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3163-01-1010S	7/8-14	10	4.80	3.25	0.79	1.89	1.06
FJ3163-02-1212S	1-1/16-14	12	5.08	3.50	0.79	2.56	1.25

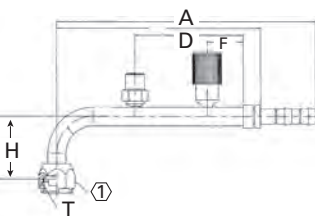
FJ3047



90° Female O-Ring (long pilot) with charge port (7/16-20 thd) – 45° port rotation

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3047-1012S	7/8-14	12	4.06	2.48	0.50	1.69	1.06
FJ3047-1016S	7/8-14	16	4.21	2.53	0.50	1.69	1.06

EJ3298



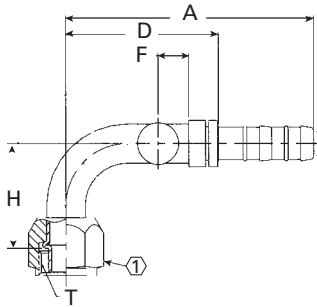
90° Female O-Ring (short pilot) with R134a high side port and a switch port (M10 x 1.25)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ3298-01-0808S	3/4-16	8	7.22	5.67	1	1.71	0.88

* MTO (made to order)

FJ3444

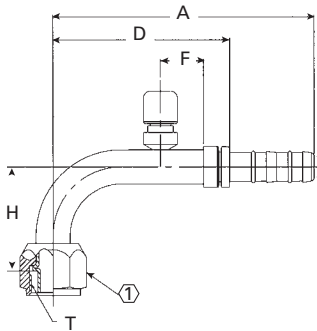
90° Female O-Ring (long pilot) with charge port (7/16-20 thd) – 90° port rotation



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3444-1010S	7/8-14	10	4.03	2.48	.50	1.69	1.06

FJ3460

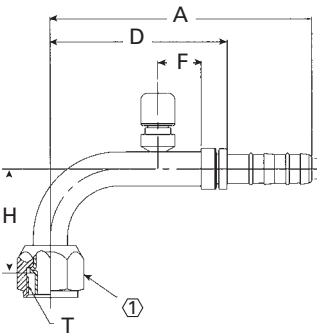
90° Female O-Ring (long pilot) with switch port (M12 X 1.5)



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3460-01-1010S	7/8-14	10	4.80	3.25	0.79	1.89	1.06
FJ3460-02-1012S	7/8-14	12	4.83	3.25	0.79	1.89	1.06
FJ3460-03-1212S	1-1/16-14	12	5.08	3.50	.54	2.56	1.25

EJ3297

90° Female O-Ring (short pilot) with switch port (M10 X 1.25)

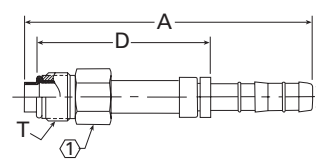


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ3297-01-0808S*	3/4-16	8	4.16	2.62	0.87	1.68	0.88

* MTO (made to order)

FJ3052

Straight male O-Ring (short pilot)

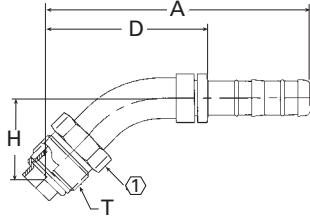


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3052-0606S	5/8-18	6	3.41	1.70	—	—	0.62
FJ3052-0608S	5/8-18	8	3.43	1.70	—	—	0.62
FJ3052-0808S	3/4-18	8	4.37	2.64	—	—	0.75
FJ3052-0810S	3/4-18	10	4.38	2.64	—	—	0.75
FJ3052-1010S	7/8-18	10	3.66	1.92	—	—	0.88
FJ3052-1012S	7/8-18	12	3.68	1.92	—	—	0.88
FJ3052-1212S	1-1/16-16	12	3.68	1.92	—	—	1.06
FJ3052-1016S	7/8-18	16	4.33	2.47	—	—	0.88
FJ3052-1216S	1-1/16-16	16	4.28	2.42	—	—	1.06

E-Z Clip system

Fittings

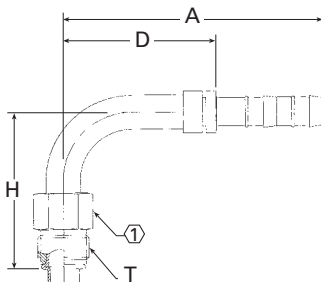
FJ3116



45° Male O-Ring (short pilot)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3116-01-0606S	5/8-18	6	3.99	2.47	—	0.94	0.62
FJ3116-04-0608S	5/8-18	8	4.01	2.47	—	0.94	0.62
FJ3116-03-0808S	3/4-18	8	4.59	2.83	—	1.20	0.75
FJ3116-02-1010S	7/8-18	10	4.65	3.10	—	1.46	0.88
FJ3116-05-1012S	7/8-18	12	4.68	3.10	—	1.47	0.88
FJ3116-06-1212S	1 1/16-16	12	4.90	3.32	—	1.53	1.06
FJ3116-07-1216S	1-1/16-16	16	4.68	2.89	—	1.53	1.06
FJ3116-08-1016S	7/8-18	16	4.78	3.10	—	1.47	0.88

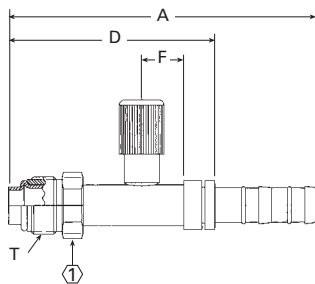
FJ3019



90° Male O-Ring (short pilot)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3019-03-0606S	5/8-18	6	3.33	1.80	—	1.77	0.62
FJ3019-02-0608S	5/8-18	8	3.34	1.80	—	1.77	0.62
FJ3019-04-0808S	3/4-18	8	3.77	2.23	—	2.31	0.75
FJ3019-06-0810S	3/4-18	10	3.78	2.23	—	2.31	0.75
FJ3019-01-1012S	7/8-18	12	4.24	2.67	—	2.45	0.88
FJ3019-05-1212S	1-1/16-16	12	4.22	2.64	—	2.79	1.06
FJ3019-07-1010S	7/8-18	10	4.22	2.67	—	2.45	0.88
FJ3019-09-1216S	1-1/16-16	16	4.32	2.74	—	2.79	1.06
FJ3019-10-1016S	7/8-18	16	4.20	3.03	—	2.45	0.88

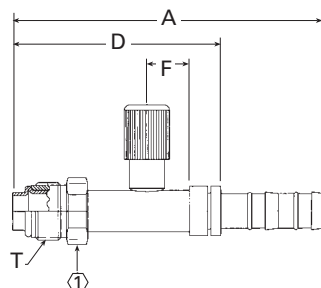
FJ3132



Straight male O-Ring (short pilot) with R134a low side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3132-01-1010S	7/8-18	10	4.43	2.70	0.63	—	0.88
FJ3132-02-1012S	7/8-18	12	4.46	2.70	0.63	—	0.88

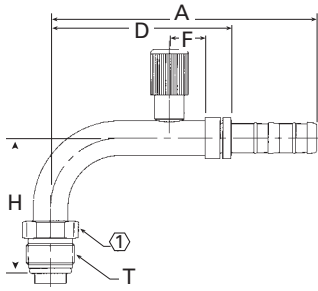
FJ3131



Straight male O-Ring (short pilot) with R134a high side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3131-01-0606S	5/8-18	6	4.18	2.47	0.63	—	0.62
FJ3131-02-0808S	3/4-18	8	4.58	2.85	0.63	—	0.75
FJ3131-03-1010S	7/8-18	10	4.34	2.61	0.63	—	0.88

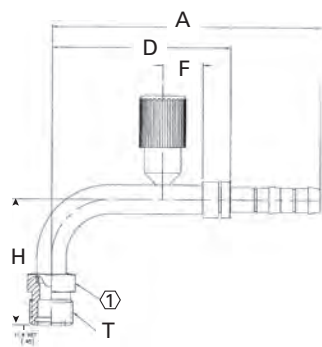
FJ3134



90° Elbow male O-Ring (short pilot) with R134a high side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3134-01-0606S	5/8-18	6	4.34	2.82	0.63	1.75	0.62
FJ3134-02-0808S	3/4-18	8	4.61	3.07	0.63	2.31	0.75
FJ3134-03-1010S	7/8-18	10	4.81	3.25	0.63	2.34	0.88

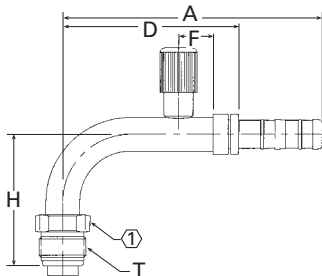
FJ3611



90° Elbow male MIO with R134a high side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3611-01-0808S	3/4-16	8	4.61	3.07	0.69	2.17	0.813

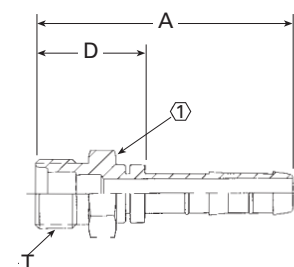
FJ3135



90° Elbow male O-Ring (short pilot) with R134a low side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3135-01-1010S	7/8-18	10	4.81	3.25	0.63	2.34	0.88
FJ3135-02-1012S	7/8-18	12	4.81	3.25	0.63	2.34	0.88

FJ3026



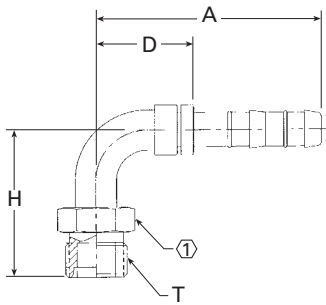
Male MIO (male insert O-Ring) straight

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3026-0606S	5/8-18	6	3.36	1.83	—	—	0.690
FJ3026-0808S	3/4-16	8	2.69	1.15	—	—	0.810
FJ3026-1010S	7/8-14	10	2.90	1.35	—	—	0.940
FJ3026-1012S	7/8-14	12	4.11	2.50	—	—	0.940
FJ3026-1212S	1-1/16-14	12	4.29	2.71	—	—	1.125

E-Z Clip system

Fittings

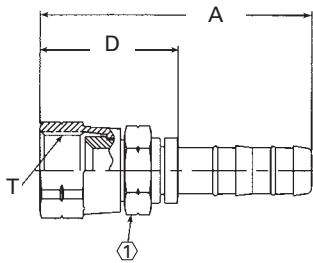
FJ3056



90° Male MIO – (male insert O-Ring)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3056-01-0606S	5/8-18	6	2.50	0.98	—	1.44	0.69
FJ3056-02-0808S	3/4-16	8	2.74	1.20	—	1.82	0.81
FJ3056-03-1010S	7/8-14	10	3.09	1.54	—	2.13	0.94
FJ3056-04-0810S	3/4-16	10	2.75	1.20	—	1.82	0.81
FJ3056-05-0608S	5/8-18	8	2.52	0.98	—	1.44	0.69

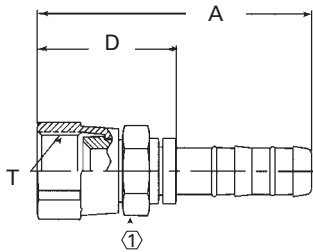
FJ3057



Female SAE 45° flares

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3057-01-0606S	5/8-18	6	2.88	1.35	—	—	0.56
FJ3057-08-0806S	3/4-16	6	2.94	1.42	—	—	0.69
FJ3057-02-0608S	5/8-18	8	3.14	1.62	—	—	0.75
FJ3057-03-0808S	3/4-16	8	2.96	1.42	—	—	0.69
FJ3057-04-0810S	3/4-16	10	3.56	2.02	—	—	0.88
FJ3057-05-1010S	7/8-14	10	3.63	2.08	—	—	1.00
FJ3057-06-1012S	7/8-14	12	3.66	2.08	—	—	1.00
FJ3057-07-1212S	1-1/16-14	12	3.20	1.62	—	—	1.25

FJ3731/FJ3508

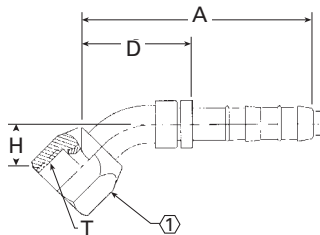


Straight – female 37° flares

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3731-0404S	7/16-20	4	2.75	2.08	—	—	0.56
FJ3731-0606S	9/16-18	6	3.66	2.13	—	—	0.68
FJ3731-0808S	3/4-16	8	4.35	2.81	—	—	0.88
FJ3731-1010S	7/8-14	10	4.21	2.66	—	—	1.00
FJ3731-1212S	1-1/16-12	12	4.62	3.04	—	—	1.25
FJ3731-1616S	1-5/16-12	16	5.99	4.31	—	—	1.50
FJ3508-0404C	7/16-20	4	1.87	1.20	—	—	0.56
FJ3508-0808C	3/4-16	8	2.96	1.42	—	—	0.88
FJ3058-1010C	7/8-14	10	3.15	1.59	—	—	1.00
FJ3058-1616C	1-15/16-12	16	3.50	1.82	—	—	1.50

Items ending in "C" are stainless

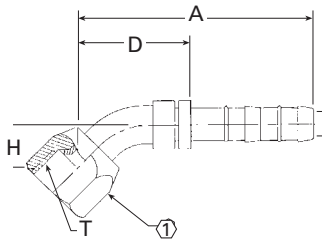
EJ3534



45° Female JIC 37° flare

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ3534-02-0606S	9/16-18	6	3.31	1.79	—	0.74	1.00
EJ3534-03-0608S	9/16-18	8	3.76	3.32	—	1.10	0.68
EJ3534-04-0808S	3/4-16	8	4.04	2.49	—	1.10	0.88
EJ3534-05-1010S	7/8-14	10	4.21	2.66	—	1.27	1.25
EJ3534-06-1212S	1-1/16-12	12	4.30	2.73	—	1.33	1.50
EJ3534-07-1616S	1-5/16-12	16	5.46	3.79	—	1.92	1.50
EJ3534-01-0404S	7/16-20	4	2.37	1.70	—	0.63	0.56

FJ3059



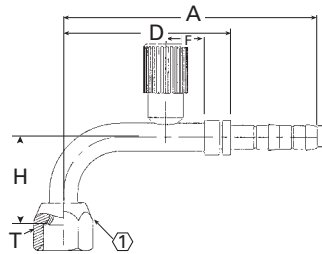
45° Female SAE 45° and universal flares

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3059-0404S*	7/16-20	4	1.57	0.91	—	0.33	0.56
FJ3059-01-0606S†	5/8-18	6	2.61	1.08	—	0.39	0.75
FJ3059-02-0608S†	5/8-18	8	2.62	1.08	—	0.39	0.75
FJ3059-03-0808S*	3/4-16	8	2.97	1.43	—	0.55	0.88
FJ3059-04-0810S*	3/4-16	10	2.98	1.43	—	0.55	0.88
FJ3059-05-1010S*	7/8-14	10	3.08	1.53	—	0.63	1.00
FJ3059-06-1012S*	7/8-14	12	3.11	1.53	—	0.63	1.00

† Double notch in nut for universal type identification

* Universal flare

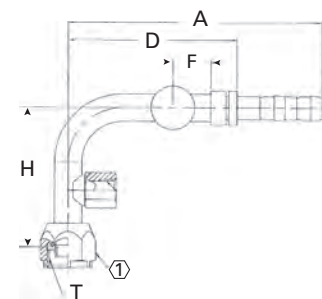
FJ3133



90° Female SAE 45° with high side charge port (R134a)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3133-01-0606S	5/8-18	6	4.35	2.82	0.63	1.28	0.75
FJ3133-02-0808S	3/4-16	8	4.61	3.07	0.63	1.53	0.88
FJ3133-03-1010S	7/8-14	10	4.80	3.25	0.63	1.84	0.88

FJ3366

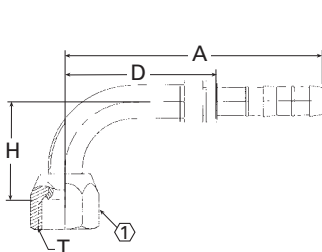


SAE 90° and with R134a C/port and switch port (1/8-27 thd)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3366-01-0810S*	3/4-16	10	4.62	3.07	0.69	2.53	0.875
FJ3366-02-0808S*	3/4-16	8	4.61	3.07	0.69	2.53	0.875

* MTO (made to order)

FJ3149



90° Female SAE 45° and universal flares

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3149-0404S*	7/16-20	4	1.47	0.80	—	0.68	0.56
FJ3149-01-0606S†	5/8-18	6	2.51	0.98	—	0.85	0.75
FJ3149-02-0608S†	5/8-18	8	2.52	0.98	—	0.85	0.75
FJ3149-03-0808S*	3/4-16	8	2.74	1.20	—	1.09	0.88
FJ3149-04-1010S*	7/8-14	10	3.09	1.54	—	1.19	1.00
FJ3149-05-1012S*	7/8-14	12	3.09	1.54	—	1.19	1.00
FJ3149-06-1212S†	1-1/16-14	12	3.68	2.11	—	1.80	1.25
FJ3149-07-0810S*	7/8-14	10	2.83	1.30	—	1.09	0.88

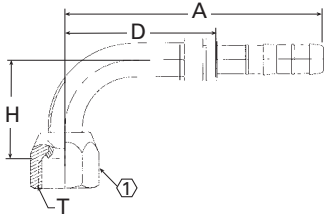
† Double notch in nut for universal type identification

* Universal flare

E-Z Clip system

Fittings

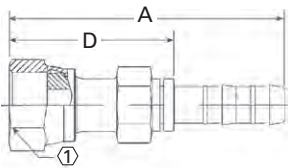
EJ3533



90° Female JIC 37° flare

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ3533-02-0606S	9/16-18	6	3.27	1.74	—	1.69	0.69
EJ3533-03-0608S	9/16-18	8	3.28	1.74	—	1.69	0.69
EJ3533-04-0808S	3/4-16	8	3.14	1.60	—	1.77	0.88
EJ3533-05-1010S	7/8-14	10	3.78	2.23	—	2.59	1.00
EJ3533-06-1212S	1 1/16-12	12	4.11	2.53	—	3.02	1.25
EJ3533-07-1616S	1 5/16-12	16	5.16	3.48	—	3.86	1.50
EJ3533-01-0404S	7/16-20	4	2.09	1.42	—	1.21	0.56

GA23911

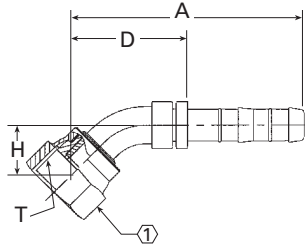


Straight - ORS female swivel metric hex nut

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
GA23911-4-4*	9/16-18	4	1.86	1.19	—	—	17mm
GA23911-6-6*	1-1/16-16	6	2.95	1.43	—	—	22mm
GA23911-8-8*	1-3/16-16	8	3.17	1.62	—	—	24mm
GA23911-10-12*	1-14	12	3.32	1.74	—	—	30mm
GA23911-10-10*	1-14	10	3.33	1.78	—	—	30mm
GA23911-12-12*	1-3/16-12	12	3.32	1.52	—	—	41mm
GA23911-16-16*	1-5/16-12	16	3.30	1.52	—	—	41mm

* GA Part numbers have a metric hex

FJ3161/GA23912

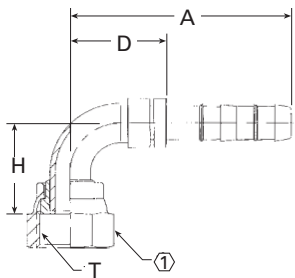


45° ORS female swivel

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3161-05-0404S	9/16-18	4	1.86	1.01	—	0.41	0.69
FJ3161-01-0606S	11/16-16	6	2.65	1.12	—	0.44	0.81
FJ3161-02-0808S	13/16-16	8	3.02	1.47	—	0.59	0.94
FJ3161-03-1010S	1-14	10	3.22	1.67	—	0.70	1.13
FJ3161-04-1008S	1-14	8	3.32	1.78	—	0.70	1.13
GA23912-10-8*	1-14	8	3.50	1.96	—	0.68	30mm
GA23912-12-12*	1-3/16-12	12	4.23	2.65	—	0.83	36mm
F3161-08-0810S	13/16-16	10	3.02	1.47	—	0.59	0.940
GA23912-10-10*	1-14	10	3.77	2.22	—	0.68	30mm
GA23912-8-8*	13/16-16	8	3.43	1.89	—	0.59	30mm

* GA Part numbers have a metric hex

FJ5994/GA23913



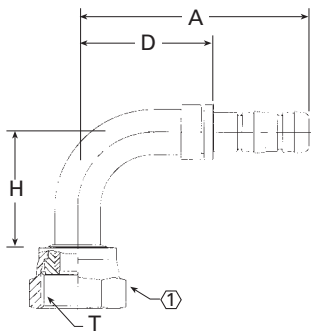
90° ORS female swivel

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ5994-01-0606S	1-1/16-16	6	2.50	0.98	—	0.91	0.81
FJ5994-02-0808S	13/16-16	8	2.74	1.20	—	1.15	0.94
FJ5994-04-1010S	1-14	10	3.09	1.53	—	1.27	1.12
FJ5994-03-1212S	1-3/16-12	12	3.36	1.78	—	1.90	1.38
FJ5994-05-0406S	9/16-18	6	2.44	0.92	—	0.82	0.69
FJ5994-05-1012S	1-14	12	3.11	1.53	—	1.78	1.13
FJ5994-07-0806S	13/16-16	6	2.66	1.10	—	1.15	0.94
FJ5994-09-1016S	1-14	16	3.30	1.62	—	1.78	1.125
GA23913-4-4*	9/16-18	4	2.04	1.37	—	0.82	17mm
GA23913-10-12*	1-14	12	3.67	2.10	—	1.54	30mm

* GA Part numbers have a metric hex

FJ3319

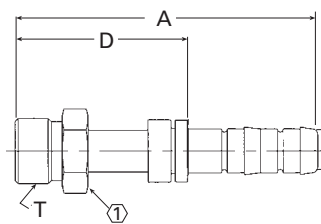
90° ORS female swivel (long drop)



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3319-1212S	1-3/16-12	12	3.82	2.24	—	2.38	1.13

FJ3136

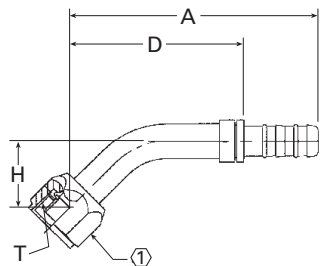
Straight male O-Ring (rigid) metric thread



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3136-0810S	M20 x 1.5	10	3.62	2.07	0.69	—	0.88

FJ3192

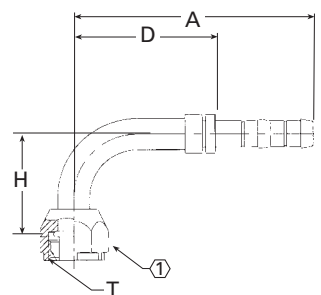
45° Female O-Ring (long pilot) metric thread



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3192-02-1212S	M27x2	12	4.74	3.17	—	1.47	1.25

FJ3111/FJ3409

90° Female O-Ring (long pilot) metric thread



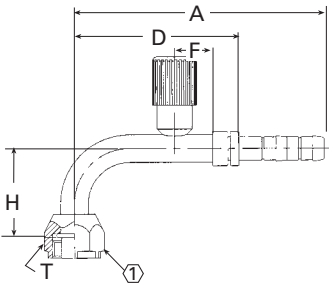
Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3111-01-0808S	M20 x 1.5	8	3.77	2.23	—	1.62	0.94
FJ3111-02-0810S	M20 x 1.5	10	3.78	2.23	—	1.62	0.94
FJ3111-03-0806S*	M20 x 1.5	6	3.75	2.23	—	1.62	0.94
FJ3409-1210S	M27 x 2	10	4.81	3.25	—	2.56	1.25
FJ3409-1212S	M27 x 2	12	4.74	3.16	—	2.56	1.25

* MTO (made to order)

E-Z Clip system

Fittings

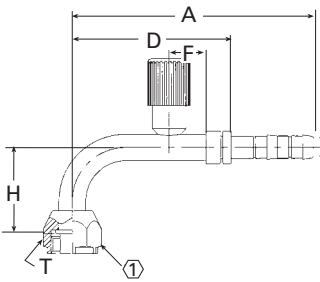
FJ3892



90° Female O-Ring (long pilot) with R134a low side port (metric thread)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3892-01-1010S	M24 x 1.5	10	4.88	3.33	.63	1.89	1.125

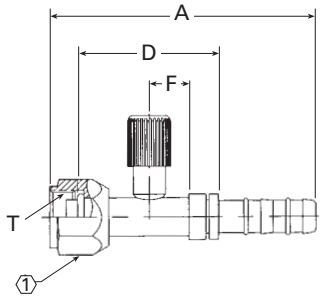
FJ3112



90° Female O-Ring (long pilot) metric thread with high side charge port (R134a)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3112-01-0808S	M20 x 1.5	8	4.52	2.98	0.69	1.62	0.94
FJ3112-02-0810S	M20 x 1.5	10	4.53	2.98	0.69	1.62	0.94
FJ3112-03-0806S	M20 x 1.5	6	4.50	2.98	0.69	1.62	0.94
FJ3112-03-1010S	M24 x 1.5	10	4.88	3.33	0.63	1.89	1.125

FJ3890/FJ3301

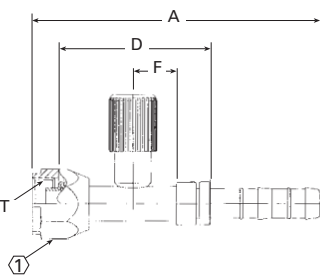


Straight – female O-Ring (long pilot) with R134a high side port (metric thread)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3890-01-0806S	M20 x 1.5	6	4.06	2.16	0.63	—	0.94
FJ3301-01-0606S*	M18 x 1.5	6	3.91	2.10	0.63	—	0.94

* MTO (made to order)

FJ3891

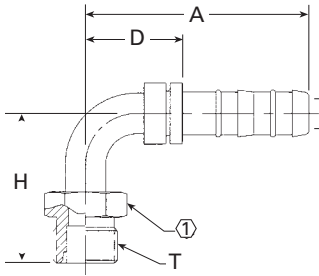


Straight – female O-Ring (long pilot) with R134a low side port (metric thread)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3891-01-1010S	M24 x 1.5	10	4.24	2.25	0.62	1.62	1.125

FJ3113

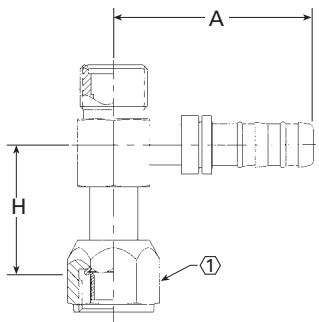
90° Male O-Ring (rigid) metric thread



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3113-0810S	M20 x 1.5	10	2.75	1.20	—	1.82	0.88

FJ3067/FJ3495

GM tie in – metric tee

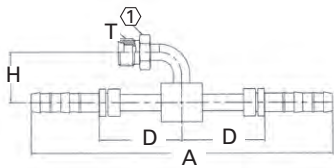


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3067-1212S*	M27 x 2	12	3.12	—	—	2.02	1.25
FJ3495-0808S	M20 x 1.5	8	2.71	—	—	1.68	0.94

* MTO (made to order)

EJ3158

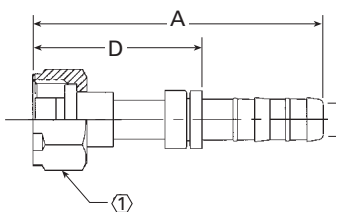
Tee style fitting with male O-Ring connection



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
EJ3158-101212S	7/8-14	12	5.67	1.26	—	1.49	0.94
EJ3158-121616S	1-1/16-14	16	6.79	1.72	—	2.13	1.13
EJ3158-060808S	5/8-18	8	6.86	1.88	—	1.14	0.69
EJ3158-080808S	3/4-16	8	6.86	1.89	—	1.39	0.81

FJ3274

Straight – female Rotalok



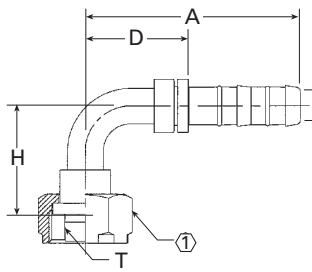
Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3274-1010S	1-14	10	3.69	2.14	—	—	1.13
FJ3274-1012S*	1-14	12	3.75	2.14	—	—	1.13

* MTO (made to order)

E-Z Clip system

Fittings

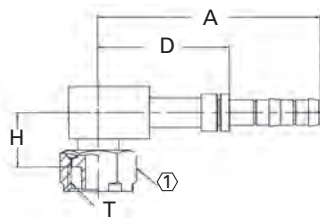
FJ3225



90° Female Rotalok

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3225-1010S	1-14	10	2.98	1.43	—	1.52	1.13
FJ3225-1008S	1-14	8	2.98	1.43	—	1.52	1.13
FJ3225-1012S	1-14	12	3.11	1.54	—	1.62	1.13

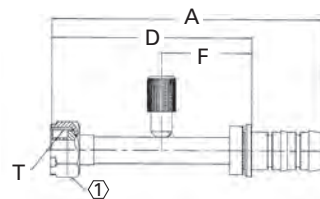
EJ3321



Short drop 90° female Rotalok

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ3321-1008S	1-14	8	3.62	2.07	—	0.91	1.13
EJ3321-1012S	1-14	12	3.87	2.29	—	0.91	1.13

EJ3421/EJ3422

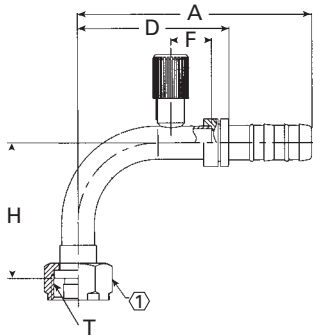


Female Rotalok with R134 port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ3421-1012S	1-14	12	6.44	4.86	2.17	High	1.13
EJ3422-1016S	1-14	16	6.45	4.77	2.15	Low	1.13

FJ3510

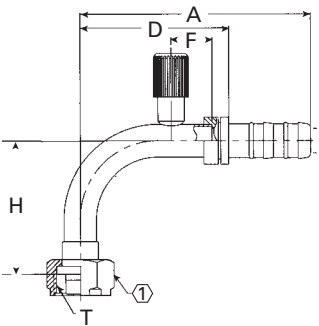
90° Female Rotalok with R134a low side port



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3510-1012S	1-14	12	4.48	2.88	.79	2.58	1.13

FJ3511

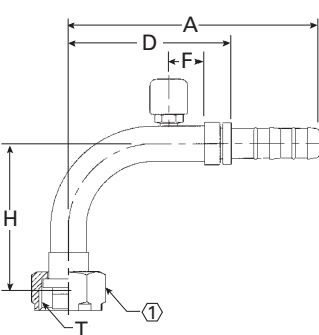
90° Female Rotalok with R134a high side port



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3511-1010S	1-14	10	4.43	2.88	.79	2.58	1.13

FJ3226

90° Female Rotalok with switch port (7/16-20 thread)



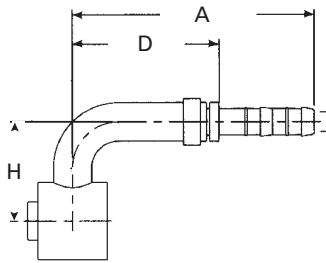
Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3226-1010S	1-14	10	4.43	2.88	0.63	2.56	1.13

E-Z Clip system

Fittings

FJ3568

90° GM block style

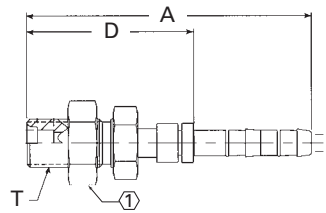


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3568-1008S*	—	8	3.92	2.38	—	1.60	—
FJ3568-1010S*	—	10	3.83	2.28	—	2.31	—
FJ3568-1012S*	—	12	3.86	2.28	—	2.38	—

* MTO (made to order)

FJ3513

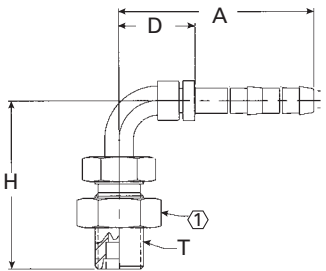
Straight bulkhead



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3513-0606S	5/8-18	6	3.69	2.16	—	—	0.94
FJ3513-0808S	3/4-16	8	3.93	2.39	—	—	1.0
FJ3513-1010S	7/8-14	10	4.49	2.94	—	—	1.13
FJ3513-1212S	1-1/16-14	12	4.83	3.24	—	—	1.38
FJ3513-1216S	1-1/16-14	16	4.92	3.24	—	—	1.38

FJ3514

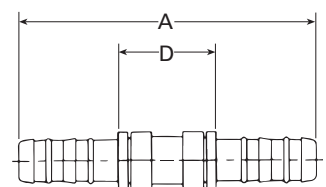
90° Male bulkhead



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3514-0606S	5/8-18	6	2.50	0.98	—	2.15	0.94
FJ3514-0808S	3/4-16	8	2.74	1.20	—	2.61	1.00
FJ3514-0608S	5/8-18	8	2.52	0.98	—	2.15	0.94
FJ3514-1010S	7/8-14	10	3.08	1.53	—	3.26	1.13
FJ3514-1012S	7/8-14	12	3.11	1.53	—	3.26	1.13
FJ3514-1212S	1-1/16-14	12	3.69	2.11	—	3.78	1.38
FJ3514-1216S	1-1/16-14	16	3.79	2.12	—	3.8	1.06

FJ3045

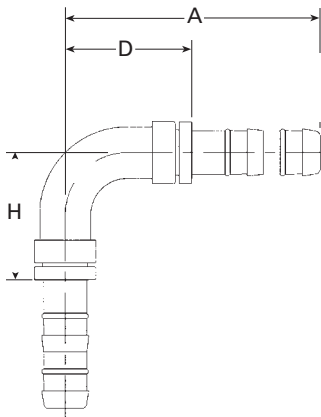
Straight splicer



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3045-0606S	—	6	4.63	1.58	—	—	—
FJ3045-0808S	—	8	4.76	1.68	—	—	—
FJ3045-1010S	—	10	5.68	2.58	—	—	—
FJ3045-1212S	—	12	4.72	1.57	—	—	—
FJ3045-1008S	—	8	5.78	2.69	—	—	—
FJ3045-1616S	—	16	5.18	1.82	—	—	—

FJ3058

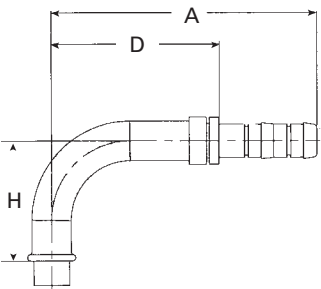
90° Splicer



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3058-01-0606S	—	6	2.71	1.18	—	2.71	—
FJ3058-02-0808S	—	8	2.98	1.43	—	2.98	—
FJ3058-03-1010S	—	10	3.08	1.53	—	3.08	—
FJ3058-04-1212S	—	12	3.68	2.11	—	3.68	—
FJ3058-05-1010S	—	10	6.86	5.61	—	6.86	—
FJ3058-06-1212S	—	12	6.86	5.36	—	6.86	—

FJ3496

90° Pilot connection (long pilot)

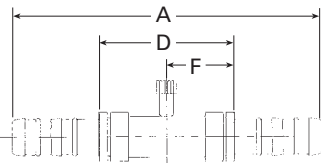


Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3496-01-1010S	—	10	4.22	2.67	—	1.89	—
FJ3496-04-0608S	—	8	3.27	2.23	—	1.62	—
FJ3496-02-0808S*	—	8	3.77	2.23	—	1.62	—
FJ3496-03-1012S	—	12	4.25	2.67	—	1.89	—

* MTO (made to order)

FJ3171

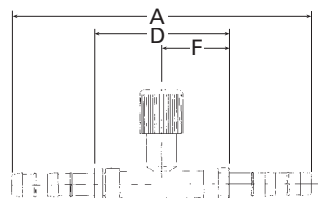
Splicer with switch port (7/16-20 thd)



Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3171-0606S	—	6	5.41	2.36	1.18	—	—
FJ3171-0808S	—	8	5.61	2.52	1.26	—	—
FJ3171-1010S	—	10	5.54	2.44	1.22	—	—
FJ3171-1212S	—	12	5.60	2.44	1.22	—	—
FJ3171-1616S	—	16	6.79	3.44	1.72	—	—

FJ5995

Splicer with high side R134a port



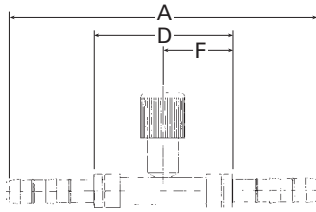
Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ5995-0606S	—	6	5.41	2.36	1.18	—	—
FJ5995-0808S	—	8	5.61	2.52	1.26	—	—
FJ5995-1010S	—	10	5.62	2.52	1.26	—	—
FJ5995-1212S	—	12	5.67	2.52	1.26	—	—

* MTO (made to order)

E-Z Clip system

Fittings

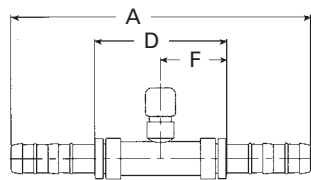
FJ5986



Splicer with R134a low side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ5986-1010S	—	10	5.54	2.44	1.22	—	—
FJ5986-1212S	—	12	5.60	2.44	1.22	—	—
FJ5986-1616S	—	16	6.79	3.44	1.72	—	—

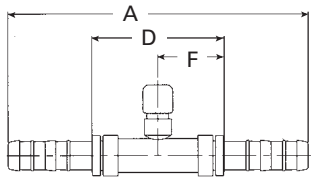
FJ3427



Splicer with high side switch port (M10 X 1.25)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3427-0808S	—	8	5.61	2.52	1.26	—	—
FJ3427-1010S	—	10	5.54	2.44	1.22	—	—

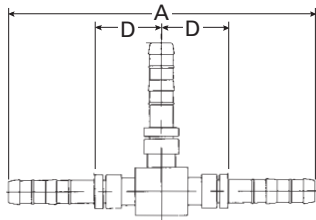
FJ3428



Splicer with low side switch port (M12 X 1.25)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3428-1212S	—	12	5.59	2.44	1.22	—	—
FJ3428-1616S	—	16	6.79	3.44	1.72	—	—

FJ3066

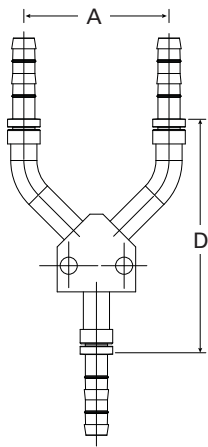


"T" Splicer - 3 hose connector

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3066-0606S	—	6	5.48	2.40	—	—	—
FJ3066-0808S	—	8	5.48	2.40	—	—	—
FJ3066-1010S	—	10	5.62	2.52	—	—	—
FJ3066-1212S	—	12	5.67	2.52	—	—	—
FJ3066-1616S	—	16	6.41	3.06	—	—	—
FJ3066-101212S	—	10X12X12	5.67	2.52	—	—	—
FJ3066-060808S	—	6X8X8	5.48	2.40	—	—	—
FJ3066-	—	12X12X16	5.98	2.62	—	—	—
FJ3066-	—	12X16X16	5.98	2.62	—	—	—

* MTO (made to order)

EJ5096

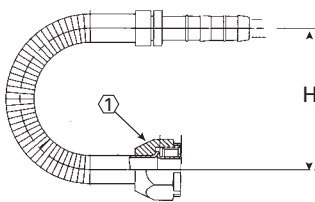


"Y" Splicer - 3 hose connector

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
EJ5096-080808*	—	8	2.78	4.52	—	—	—
EJ5096-101010*	—	10	2.64	4.39	—	—	—
EJ5096-121212*	—	12	2.64	4.29	—	—	—
EJ5096-101012*	—	10X10X12	2.64	4.29	—	—	—
EJ5096-121216*	—	12X12X16	2.64	4.29	—	—	—

* MTO (made to order)

FJ3623

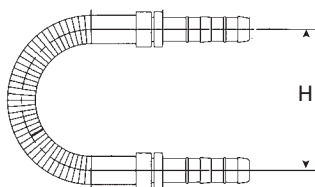


180° Female O-Ring pilot

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3623-0808S*	M20 x 1.5	8	—	—	—	2.50	.94

* MTO (made to order)

FJ3624

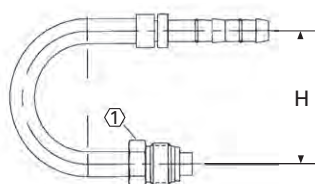


180° Splicer

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3624-0808S*	—	8	—	—	—	2.50	—

* MTO (made to order)

FJ3804



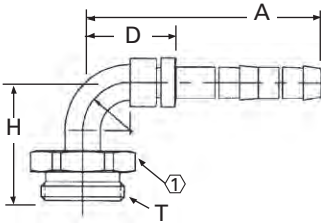
180° Male O-Ring

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3804-0606S	5/8-18	6	—	—	—	2.00	0.625
FJ3804-1010S	7/8-18	10	—	—	—	3.00	0.88
FJ3804-1012S	7/8-18	12	—	—	—	3.00	0.88

E-Z Clip system

Fittings

FJ3914

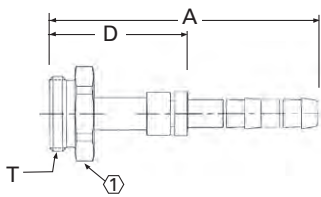


90° 5400 coupling thread

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3914-03-1210S	1-1/4-18	10	3.08	1.53	—	1.73	1.38
FJ3914-04-0806S	7/8-20	6	2.50	0.98	—	1.23	1.00
FJ3914-02-1212S*	1-1/4-18	12	3.08	1.53	—	1.73	1.38

* MTO (made to order)

FJ3970



Straight 5400 coupling thread

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3970-0606S	7/8-20	6	3.14	1.82	—	—	1.00
FJ3970-0808S	7/8-20	8	3.19	1.65	—	—	1.00
FJ3970-1212S	1-1/4-18	12	3.50	1.93	—	—	1.38
FJ3970-1616S	1-19/32-20	16	3.66	1.98	—	—	1.75

FJ3734

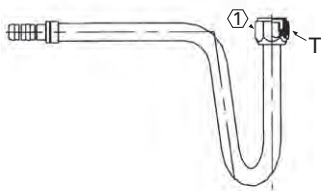


Female O-Ring (long pilot) compound tube

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3734-1212S*	1 1/16 x 14	12	—	—	—	—	1.25

* MTO (made to order)

FJ3801

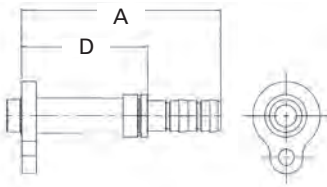


Female O-Ring (long pilot) compound tube

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3801-1212S*	1 1/16 x 14	12	—	—	—	—	1.25

* MTO (made to order)

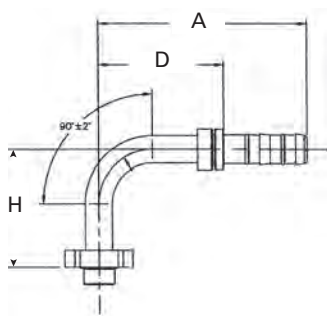
FJ3977



Pad style connection (Volvo)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3977-0806S	—	6	3.34	1.82	—	—	—
FJ3977-0810S	—	10	3.74	2.19	—	—	—
FJ3977-1012S	—	12	4.32	2.73	—	—	—

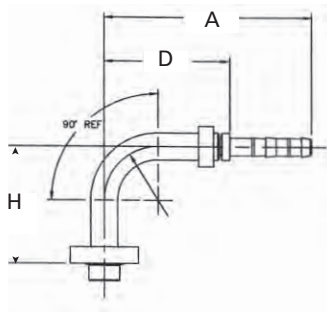
FJ3982



90° Pad style connection (Volvo)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3982-0806S	—	6	3.86	2.33	—	2.18	—
FJ3982-0810S	—	10	3.86	2.31	—	2.18	—

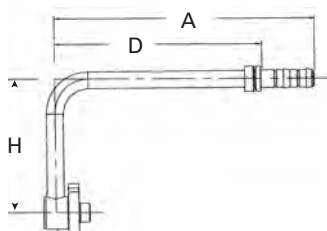
FJ3983



90° Pad style connection (Volvo) (pad orientation 90°)

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3983-0806S	—	6	3.86	2.33	—	2.18	—

FJ3980



180° Pad style connection

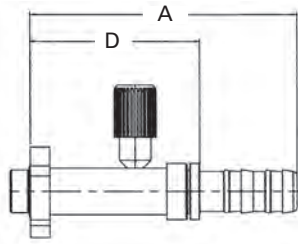
Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓛ Ref
FJ3980-0810S*	—	10	6.04	4.48	—	3.92	—

* MTO (made to order)

E-Z Clip system

Fittings

FJ3978

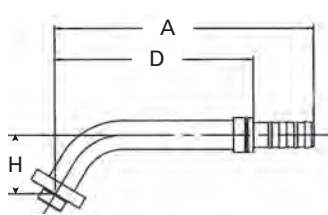


Straight pad style (Volvo) with R134a low side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3978-1012S*	—	12	4.32	2.73	—	—	—

* MTO (made to order)

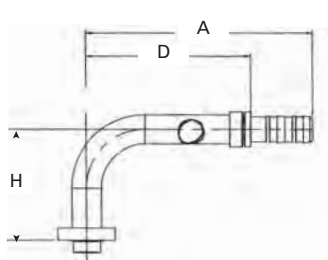
FJ3979



60° Elbow, pad style (Volvo) with R134a low side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3979-1012S	—	12	6.78	5.2	—	1.53	—

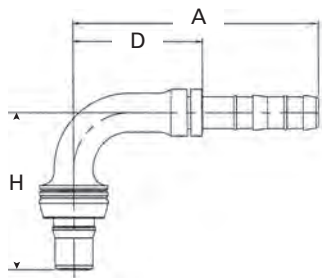
FJ3981



90° Elbow, pad style (Volvo) with R134a low side port

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
FJ3981-1012S	—	12	5.9	4.32	—	2.84	—

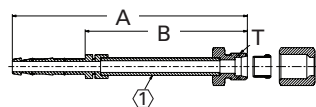
IF20340



90° to STC

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓜ Ref
1F20340-0808-S	—	8	3.03	1.49	—	2.09	—

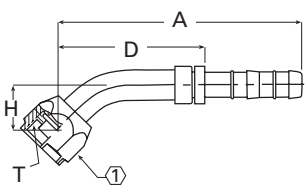
EJ3809



E-Z Clip compression fitting

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓜ Ref
EJ3809-11-0506S	1/2-20	6	4.91	3.38	—	—	0.69
EJ3809-01-0606S	9/16-18	6	4.92	3.40	—	—	0.69
EJ3809-02-0806S	3/4-16	6	4.93	3.40	—	—	0.88
EJ3809-03-0608S	9/16-18	6	4.94	3.40	—	—	0.69
EJ3809-04-0808S	3/4-16	8	4.84	3.30	—	—	0.88
EJ3809-05-1008S	7/8-14	8	4.73	3.19	—	—	1.00
EJ3809-06-0810S	3/4-16	10	4.85	3.30	—	—	0.88
EJ3809-07-1010S	7/8-14	10	4.64	3.09	—	—	1.00
EJ3809-08-1012S	7/8-14	12	4.66	3.09	—	—	1.00
EJ3809-09-1212S	1-1/16-12	12	4.98	3.40	—	—	1.25
EJ3809-10-1210S	1-1/16-12	10	5.05	3.50	—	—	1.25

GA23854



45° Female O-Ring (long pilot)

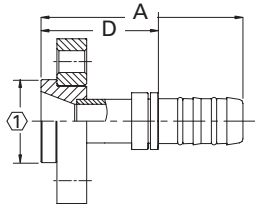
Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	Ⓜ Ref
GA23854-12-16*	1 1/16-14	16	5.125	3.175	—	1.39	32mm

* MTO (made to order)

E-Z Clip system

Fittings

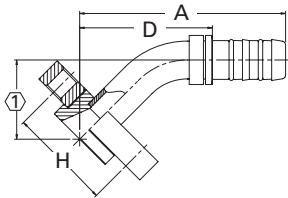
GA24335



Straight Bock compressor fitting

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
GA24335-16-12	—	12	4	2.42	—	—	1.65
GA24335-22-16	—	16	4.01	2.33	—	—	1.65

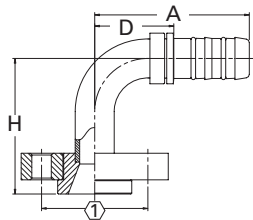
GA24336



45° Bock compressor fitting

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
GA24336-16-12	—	12	4.85	3.27	—	1.65	1.53
GA24336-22-16	—	16	4.72	3.04	—	1.65	1.81

GA24337

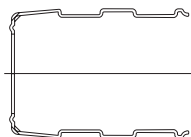


90° Bock compressor fitting

Part number	Th'd "T"	Hose size	A Ref	D Ref	F Ref	H Ref	① Ref
GA24337-16-12	—	12	3.65	2.07	—	2.50	1.65
GA24337-22-16	—	16	3.44	1.76	—	3.01	1.65

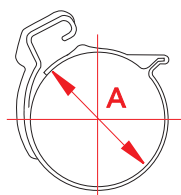
Cages, clips and Lifesavers

Cages



Part number	Cage size	Hose description
1F40105-06C	-06	Cages for size -06 hose
1F40105-08C	-08	Cages for size -08 hose
1F40105-10C	-10	Cages for size -10 hose
1F40105-12C	-12	Cages for size -12 hose
1F40105-16C	-16	Cages for size -16 hose

Clips

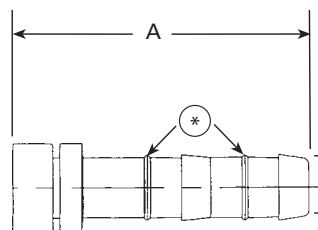


Part number	A Ref	Description
1F40104-06C	18.0 mm	Clips for size -06 hose
1F40104-08C	20.5 mm	Clips for size -08 hose
1F40104-10C	23.0 mm	Clips for size -10 hose
1F40104-12C	27.5 mm	Clips for size -12 hose
1F40104-16C	33.0 mm	Clips for size -16 hose

Clip and cage kits

Kit part number	Hose size	Number of clips per kit	Number of cages per kit
FF14171	6	2	1
FF14172	8	2	1
FF14173	10	2	1
FF14174	12	2	1
FF14401	16	2	1
FF13819	6	4	2
FF13820	8	4	2
FF13821	10	4	2
FF13822	12	4	2
FF14402	16	4	2

Lifesaver braze nipple



Part number	Th'd "T"	Hose size	A Ref
FF12262-0606	—	6	2.01
FF12262-0608	—	8	2.02
FF12262-0808	—	8	2.02
FF12262-0810	—	10	2.03
FF12262-1010	—	10	2.03
FF12262-1012	—	12	2.06
FF12262-1212	—	12	2.21
FF12262-1616	—	16	2.21
FF12262-1016	—	16	2.21
FF12262-1216	—	16	2.21
FF12262-1616	—	16	2.21

* O-Rings packaged separately

E-Z Clip system

Aluminum Lifesaver

Aluminum Lifesaver



A/C hose repair system

The Aluminum Lifesaver braze fitting is designed to rework failed OEM aluminum air conditioning tubing and hose assemblies in sizes 10mm to 18mm (metric tubing only, -6 to -12).

This repair system allows the installer to reuse unique OEM terminal connections, while replacing the failed OEM hose and nipple with the E-Z Clip attachment system.

Note: The E-Z Clip system can only be used with Eaton GH001 hose.

E-Z to use

Each kit contains the correct components for replacement of a single hose assembly.

Eaton GH001 hose must be ordered or purchased separately.

Determine tube O.D. for Hose I.D. per chart below:

Standard configurations

Size* kit	Tube O.D.	Hose I.D.	Hose Part number	Use Lifesaver Part number
-6	10 (.39)	8 (.32)	GH001-6WR	FF13727-1006
-8	12 (.47)	11 (.42)	GH001-8WR	FF13727-1208
-10	16 (.63)	13 (.51)	GH001-10WR	FF13727-1610
-12	18 (.71)	16 (.64)	GH001-12WR	FF13727-1812

*This (-) size label will be referenced throughout the instructions

E-Z Clip Aluminum Lifesaver kits

FF13727

Part number ordering guide

Order kit no.	Kit component	Description	Qty
FF13727-size	GW1172-size	Braze-on nipple	2
	1F40106-size	Nipple O-Ring	5
	GA7000579-size	Silver braze ring	3
		Assembly instructions	1

E-Z Clip tools and Tool case



E-Z Clip Tool case FF12139

Kit contents components

part number	Description	Qty/per kit
1F40104-size	Clips	20
1F40105-size	Cages	10
FT1357	Assembly tool	1
FT1356	Hose cutter	1
FT1356-2-1	Replacement blade	1

The E-Z Clip system has been designed to work exclusively with Eaton GH001 hose.

Pliers/connecting assembly tool



FT1357

E-Z Clip Pliers/connecting tool FT1357 & FT1421

Part number	Description
FT1357	Connecting tool
FT1421	Connecting tool for #16

(Replaces FT1417)



FT1421

Hose cutter

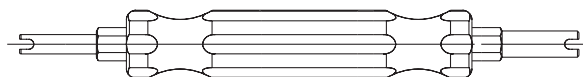


FT1356

Hose cutter FT1356

Part number	Description
FT1356	Hose cutter
FT1356-2-1	Replacement blade

Core tool



FT1406
Core Tool

Core tool FT1406

Part number	Description
FT1406	Core tool
FF90192-02	High side core*
FF90192-01	Low side core*
FF90193-02	High side cap for M10 x .75 thd. port
FF90193-01	Low side cap for M8 x 1.0 thd. port
FF9872-04	Cap for 7/16-20 thd.port

*For high flow charge ports only.



FF90192-02
High Side Core



FF90192-01
Low Side Core*



FF90193-02 High Side Cap
FF90193-01 Low Side Cap



FF9872-04
Cap

E-Z Clip system

Clip components – Ordering & identifying

E-Z Clip components – Ordering & identifying

The E-Z Clip System is designed for assembly with Eaton GH001 multi-refrigerant hose. Its engineered connection exceeds SAE J2064 and has been vibration and impulse tested.

The benefits of E-Z Clip are virtually endless:

- No guess work
- No leaking crimps
- No power supply needed
- As easy to use as a pair of pliers
- Easy to use in confined areas

Assembly materials checklist

- Pliers (FT1357)
- Guillotine blade (FT1356) or equivalent cutting tool
- Refrigerant oil compatible with refrigeration or A/C system
- GH001 multi-refrigerant hose
- Nipple assembly*
- Appropriately sized clips and cage

*The two black O-Rings on the nipple assembly are of a specific rubber compound and size. They should NOT be removed.



Assembly materials

E-Z Clip System components are simple to identify, order and use

Ordering information

Hose	Nipple	Cage	Clips
GH001-6WR	FJ___-__06S	1F40105-06C	1F40104-06C
GH001-8WR	FJ___-__08S	1F40105-08C	1F40104-08C
GH001-10WR	FJ___-__10S	1F40105-10C	1F40104-10C
GH001-12WR	FJ___-__12S	1F40105-12C	1F40104-12C
GH001-16WR*	FJ___-__16S	1F40105-16C	1F40104-16C

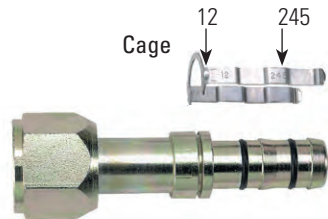
Identification guide

Hose	Cage	Clips	Nipple O-Ring*(HNBR)
GH001-6WR	-6 and 150	150	1F40106-06
GH001-8WR	-8 and 175	175	1F40106-08
GH001-10WR	-10 and 200	200	1F40106-10
GH001-12WR	-12 and 245	245	1F40106-12
GH001-16WR	-16 and 285	285	1F40106-16

For example...



Hose



Cage groove



Clips

E-Z Clip assembly instructions

Step 1. Cut the hose

Cut the hose to proper length with an appropriate cutting tool. The hand-held hose cutter (FT1356) has been specifically designed for cutting all non-wire reinforced hose, such as GH001 multi-refrigerant hose. Be sure the cut is made square to the hose length.



Step 2. Slip on two clips

Install two proper-sized clips onto the cut end of the hose. Orientation of the clips does not affect the performance of the connection. However, for ease of assembly, both clips should have the same orientation.

Note: Failure to slide the clips over the hose at this time will require the clips to be stretched over the hose or fitting later. This may permanently damage the clip.



Step 3. Oil the nipple

Lubricate the nipple with a generous amount of the refrigeration or A/C system's compressor lubricating oil. This **MUST** be done to lower the force of nipple insertion.



Step 4. Insert the nipple into the hose

To ensure that the nipple is fully inserted, check the gap between the cut end of the hose and the shoulder on the nipple. Care should be taken to avoid kinking or other damage to the hose during nipple insertion.

Note: Be sure to wipe excess oil from the nipple and hose.

Step 5. Snap on the cage

Snap the cage into the groove on the nipple. The arms should extend over the hose length. When the cage has been correctly installed in the cage groove, the cage will be able to rotate in the groove. This step **MUST** be performed to ensure:

1. The clips will be located over the O-Rings on the nipple.
2. The connection will be compatible with the connection's pressure rating.

E-Z Clip system

Assembly instructions

E-Z Clip Assembly instructions (Continued)

Step 6: Slide the clips

Slide the clips over the cage arms and into the channels on each arm.

Step 7: Close the clips

Use the FT1357 pliers to close the clips. The pliers should be positioned squarely on the clip connection points and should remain square during the closing of the clip.

The nose of the pliers should be firmly seated under the assembly bump and lock latch.

For easiest assembly, the clasp should be closed between the cage arms. If the pliers are not kept square during closing of the clip, the clasp may have an offset. Use the pliers to correct the clasp alignment.

Notice: E-Z Clip components should not be reused.

CAUTION

Failure to follow these assembly instructions and/or the use of Weatherhead hose with fittings supplied by other manufacturers may result in unreliable and unsafe hose assemblies, which may result in sudden or unintended escape of refrigerant gases. Personal injury and/or violations of EPA regulations may occur as a consequence.

Eaton recommends adherence to all guidelines, including EPA guidelines, concerning the service of refrigerant systems.

For easiest assembly, the clasp should be closed between the cage arms.

