

E-Z Clip System™

GH134 Multi-Refrigerant Hose

SAE J2064 Type E Class 1



CATALOG NUMBER	HOSE I.D. MM/IN	HOSE O.D. MM/IN	WORKING PRESS. BAR/PSI	E-Z CLIP MIN. BURT PRESS. BAR/PSI	MIN. BEND RADIUS MM/IN	WT. PER 100 FT. POUNDS	HOSE END
GH134-6W	7.9/31	14.7/58	35/500	140/2000	50/2.00	.09	E-Z Clip Series Pages 115-138
GH134-8W	10.3/41	17.8/70	35/500	140/2000	63/2.50	.12	
GH134-10W	12.7/50	19.8/78	35/500	140/2000	76.2/3.00	.15	
GH134-12W	15.9/63	24.9/98	35/500	140/2000	101.6/4.00	.18	

Typical Application: Transportation, refrigeration and air conditioning systems.

Temp. Range: -22°F to +257°F (-30°C to +125°C).

R404a Effusion: .2 lbs./ft²/yr. at 140°F (.8 kg./m²/yr. at 60°C)

HFC 134a Effusion: .50 lbs./ft²/yr. at 176°F (2.42 kg./m²/yr. at 80°C)

R22 Effusion: 27.7 lbs./ft²/yr. at 158°F (135 kg./m²/yr. at 70°C)

R407C Effusion: 20 kg./m²/yr. at 80°C

Moisture Ingression: .08 gm./in²/yr. (.013/cm²/yr)

Warning

E-Z Clip has been designed and engineered to work EXCLUSIVELY with Weatherhead GH134 hose.

For information regarding other refrigerants and lubricants, please contact Eaton customer service at 952-937-9800.

Features

- Internal polyamide veneer tube
- Synthetic-rubber backing layer
- Stabilized, synthetic braided reinforcement
- Chlorobutyl rubber cover
- E-Z Clip fittings

Benefits

- Excellent effusion resistance
- Maximum resistance to moisture ingress
- Extended service performance
- Superior flexibility
- Assured coupling integrity, exceeds SAE J2064 performance

Important

Special care should be taken when selecting the proper refrigerant hose and fittings. The information contained in this bulletin is provided as a general guide to assist in making the appropriate product selection. This guide does not address every parameter that must be considered when selecting a product. The user must make the final product selection in consideration of the user's unique requirements.

Additionally, special care must be taken when working with refrigerant systems. Sudden escape of refrigerant gases may result in blindness or severe injury. Eaton recommends adherence to the guidelines and general practices as defined in SAE J2211 for the service and containment of HFC-134a,

as well as all applicable EPA guidelines and procedures concerning the service of refrigerant systems.

Warning

Weatherhead fitting tolerances are engineered to match Weatherhead hose tolerances. The use of Weatherhead fittings on hose supplied by other manufacturers and/or the use of Weatherhead hose with fittings supplied by other manufacturers may result in the production of unreliable and unsafe hose assemblies and is not authorized by Eaton.

EATON SHALL NOT BE SUBJECT TO AND DISCLAIMS ANY OBLIGATIONS OR LIABILITIES (INCLUDING BUT NOT LIMITED TO ALL CONSEQUENTIAL, INCIDENTAL AND

CONTINGENT DAMAGES) ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY OR ARISING FROM TORT CLAIMS (INCLUDING WITHOUT LIMITATION NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES OF LAW WITH RESPECT TO ANY HOSE ASSEMBLIES NOT PRODUCED FROM GENUINE WEATHERHEAD HOSE FITTINGS, HOSE AND WEATHERHEAD APPROVED EQUIPMENT, AND IN CONFORMANCE WITH WEATHERHEAD PROCESS AND PRODUCT INSTRUCTIONS FOR EACH SPECIFIC HOSE ASSEMBLY.

Part Numbers and Dash Sizes

The first two numbers of the dash size of each part number, (example: -0608) indicates the size of the terminal, or connecting end. The second two numbers of the dash sizes (example: -0608) indicates the hose size. In the example -0608, 08 is the hose size.

Dimensions

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

E-Z Clip System™

End Connections & O-rings

Lubricant Compatibility Chart

LUBRICANT	HOSE STYLE GH134
Mineral Oil	Y
PAG	Y
Ester Oil	Y
Alkylbenzene	*

Y = Compatible N = Non-compatible

*Review application with Engineering Support.

Refrigerant Compatibility Chart of Refrigerant Hoses

REFRIGERANT	HOSE STYLE GH134
R-12	Y
R-22	Y
R-134a	Y
R-502	Y
MP39	Y
MP66	Y
R404a	Y

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

O-rings for Bump Tube O-ring Seal and O-ring Pilot Fittings

(O-rings for o-ring pilot end must be purchased separately)



ZW747

Material: Nitrile

Durometer: 70

Temperature Range: -40°F to +250°F



FF90178

Material: HNBR

Durometer: 70

Temperature Range: -25°F to +300°F

O-RING CATALOG NUMBER	O-RING PILOT DASH SIZE	A	E
ZW74706	-06	.301	.07
ZW74708	-08	.426	.07
ZW74710	-10	.551	.07
ZW74712	-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

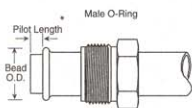
E-Z Clip System™

End Connections

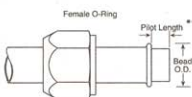
How to Identify O-ring Pilot Thread Sizes

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,

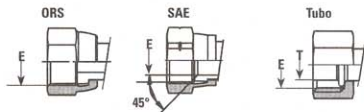
either long or short. The seal takes place by compressing an O-ring adjacent to the bead of the tube. The threads hold the connection together mechanically.



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	1-1/16 - 16	1	.99



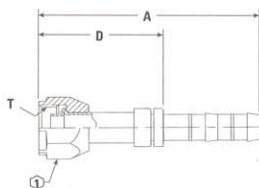
INCH SIZE	NOMINAL TUBE SIZE	LONG PILOT**		SHORT PILOT*	
		BEAD O.D. (INCH)	PILOT LENGTH	BEAD O.D. (INCH)	PILOT LENGTH
3/8	06	.52	.28	.52	.19
1/2	08	.64	.39	.64	.19
5/8	10	.77	.39	.77	.19
3/4	12	.91	.39	.91	.19



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

E-Z Clip System™ Fittings

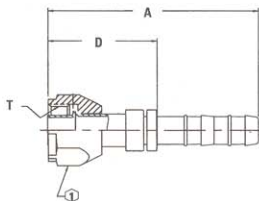
FJ5984



Straight - Female O-ring (short pilot)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

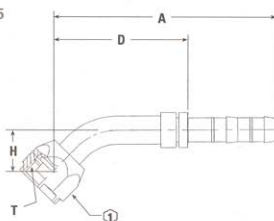
FJ3408



Straight - Female O-ring, Metric Thread (long pilot)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

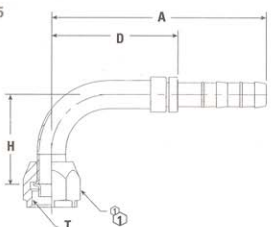
FJ3055



45° Elbow Female O-ring (short pilot)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

FJ5985

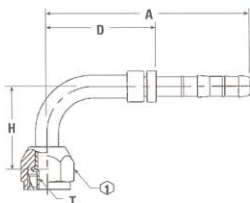


90° Elbow - Female O-ring (short pilot)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

E-Z Clip System™ Fittings

FJ3288

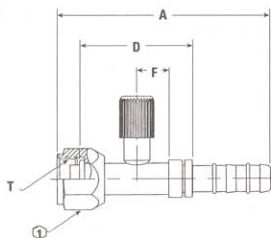


90° Female O-ring (long pilot)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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*	7/8-16	10	3.78	2.23	—	1.62	0.88

*May not be available.

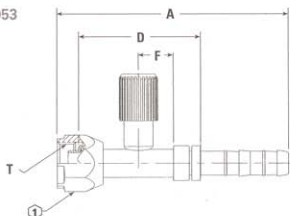
FJ3054



Straight - Female O-ring (short pilot) with R134a Low Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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
FJ3054-1212S	1-1/16-14	12	4.58	2.43	0.54	—	1.25

FJ3053



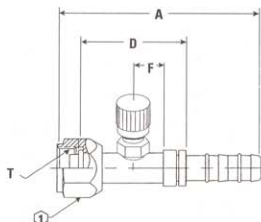
Straight - Female O-ring (short pilot) with R134a High Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

*May not be available.

E-Z Clip System™ Fittings

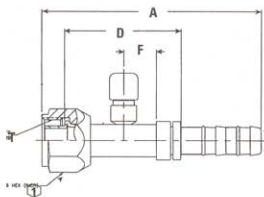
FJ3162



Straight – Female O-ring (long pilot) with Switch Port (7/16-20 thd)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3162-0808S	3/4-16	8	4.09	2.16	0.79	—	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

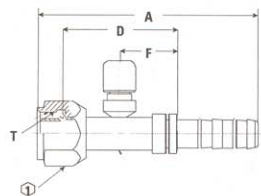
FJ3416



Straight – Female O-ring (long pilot) with Switch Port (M10 X 1.25)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3416-01-1010S	7/8-14	10	4.25	2.25	.63	—	1.06

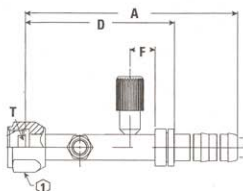
FJ3461



Straight – Female O-ring (long pilot) with Switch Port (M12 X 1.25)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

FJ3363



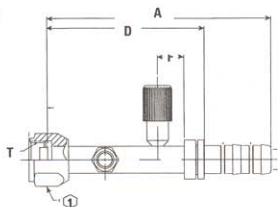
Straight – Female O-ring (short pilot), with R134a High side port and female switch connection, (1/8-27 thread)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

E-Z Clip System™

Fittings

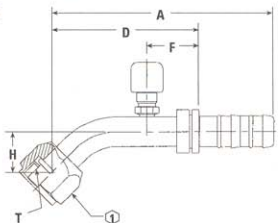
FJ3363



Straight - Female O-ring (short pilot), with R134a Low side port and female switch connection, (1/8-27 thread)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3363-01-1012S	7/8-14	12	5.30	3.72	.63	—	1.06

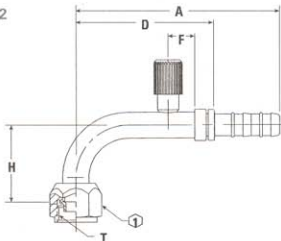
FJ3230



45° Female O-ring (long pilot) with Switch Port (7/16-20 thd)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3230-01-0810S	3/4-16	10	4.61	2.58	0.63	0.80	0.88
FJ3230-02-1012S	7/8-14	12	4.73	2.67	0.63	0.89	1.06
FJ3230-03-0808S	3/4-16	8	4.43	2.40	0.63	0.73	0.88
FJ3230-04-1010S	7/8-14	10	5.00	2.97	0.63	1.19	1.06

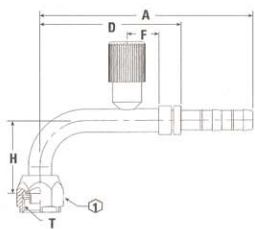
FJ3012



90° Female O-ring (short pilot) with R134a Low Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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	5.10	3.52	0.63	2.56	1.25

FJ3013

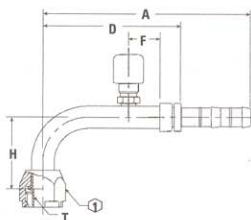


90° Female O-ring (short pilot) with R134a High Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

E-Z Clip System™ Fittings

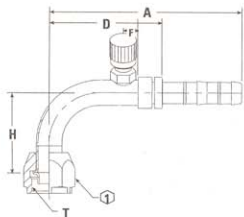
FJ3289



90° Female O-ring (long pilot) with Switch Port (7/16-20 thd)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
FJ3289-01-0808S	3/4-16	8	4.61	2.59	0.69	1.62	0.88
FJ3289-02-1010S	7/8-14	10	4.80	2.77	0.63	1.93	1.06
FJ3289-03-0606S	5/8-18	6	4.35	2.82	0.69	1.35	0.75
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	.63	1.93	1.06

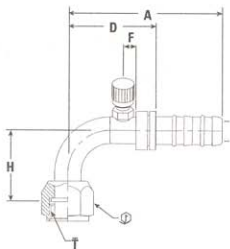
FJ3163



90° Elbow - Female O-ring (short pilot) with Switch Port (7/16-20 thd)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
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

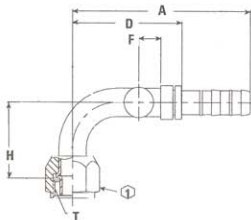
FJ3047



90° Female O-ring (long pilot) with Charge Port (7/16-20Thd) - 45° Port Rotation

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
FJ3047-1012S	7/8-14	12	4.06	2.48	0.50	1.69	1.06

FJ3444

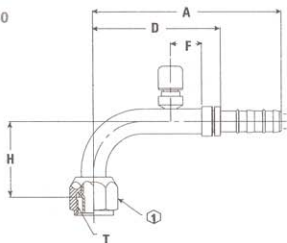


90° Female O-ring (long pilot) with Switch Port (7/16-20Thd) - 90° Port Rotation

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
FJ3444-1010S	7/8-14	10	4.03	2.48	.50	1.69	1.06

E-Z Clip System™ Fittings

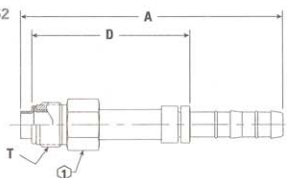
FJ3460



90° Female O-ring (long pilot) with Switchport (M12 X 1.25)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3460-01-1010S	7/8-14	10	4.80	3.25	0.79	1.89	1.06
FJ3460-01-1012S	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

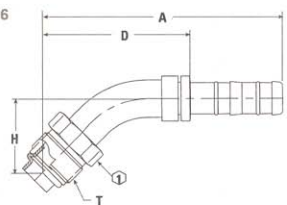
FJ3052



Straight Male O-ring (short pilot)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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
FJ3052-1010S	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

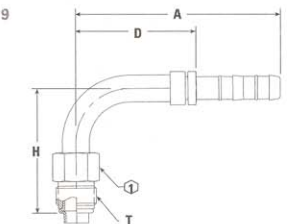
FJ3116



45° Male O-ring (short pilot)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3116-01-0606S	5/8-18	6	3.99	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
FJ3116-04-0608S	5/8-18	8	4.01	2.47	—	0.94	0.62

FJ3019



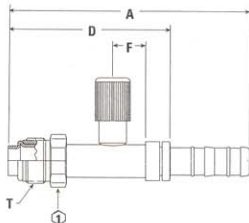
90° Male O-ring (short pilot)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

E-Z Clip System™

Fittings

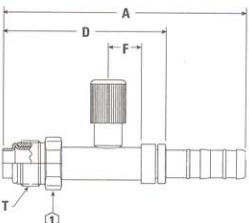
FJ3132



Straight Male O-ring (short pilot) with R134a Low Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
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

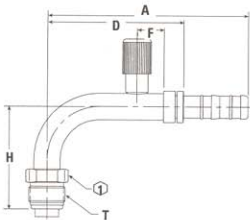
FJ3131



Straight Male O-ring (short pilot) with R134a High Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
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

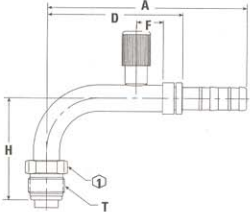
FJ3134



90° Elbow Male O-ring (short pilot) with R134a High Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
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

FJ3135

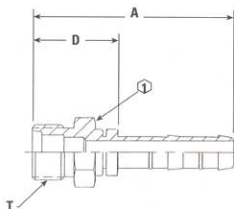


90° Elbow Male O-ring (short pilot) with R134a Low Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
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

E-Z Clip System™ Fittings

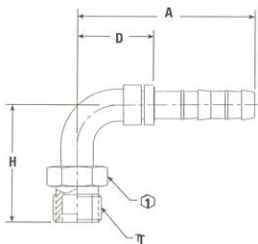
FJ3026



Male MIO (male insert O-ring) Straights

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

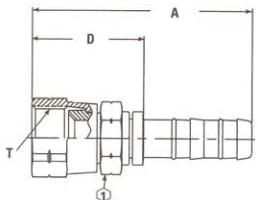
FJ3056



90° Male MIO (male insert O-ring)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

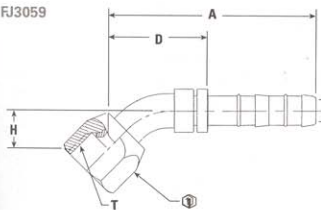
FJ3057



Female SAE 45° Flares

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3057-01-0606S	5/8-18	6	2.88	1.35	—	—	0.56
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

FJ3059



45° Female SAE 45° and Universal Flares

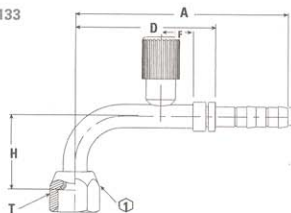
CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3059-01-0606S†	5/8-18	6	2.61	1.08	—	0.39	0.75
FJ3059-02-0608S†	5/8-18	8	2.62	1.08	—	0.39	0.75
FJ3059-03-0808S*	3/4-16	8	2.97	1.43	—	0.55	0.88
FJ3059-04-0810S*	3/4-16	10	2.98	1.43	—	0.55	0.88
FJ3059-05-1010S*	7/8-14	10	3.08	1.53	—	0.63	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

E-Z Clip System™ Fittings

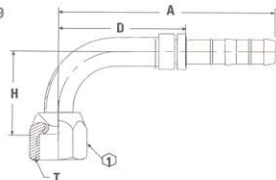
FJ3133



90° Female SAE 45° With High Side Charge Port (R134a)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
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

FJ3149



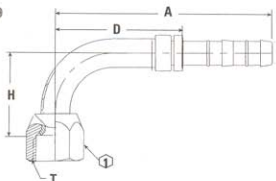
90° Female SAE 45° and Universal Flares

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
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

†Double notch in nut for universal type identification

*Universal Flare

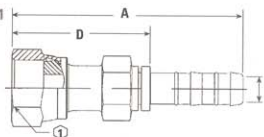
FJ3509



90° Female JIC

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
FJ3509-0606S	9/16-18	6	2.50	.98	—	2.18	.69
FJ3509-0608S	9/16-18	8	2.52	.98	—	2.18	.69
FJ3509-1212S	1-1/16-12	12	3.36	1.78	—	3.73	1.25

GA23911



Straight – ORS Female Swivel Metric Hex Nut^Δ

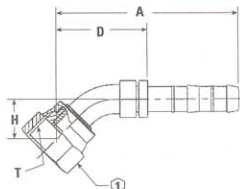
CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
GA23911-6-6	1-1/16-16	6	2.95	1.43	—	—	22mm
GA23911-8-8	1-3/16-16	8	3.17	1.62	—	—	24mm
GA23911-10-12	1-14	12	3.32	1.74	—	—	30mm
GA23911-10-10	1-14	10	3.33	1.78	—	—	30mm
GA23911-12-12	1-3/16-12	12	3.38	1.80	—	—	36mm

^ΔMetric Hex

E-Z Clip System™

Fittings

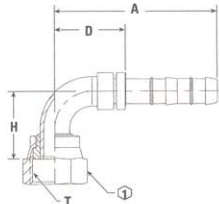
FJ3161
GA23912



45° ORS Female Swivel

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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
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

FJ5994

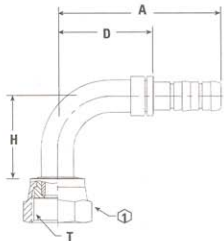


90° ORS Female Swivel

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ5994-01-0606S*	11/16-16	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

*October 2003 part number will change to GA23913-size.

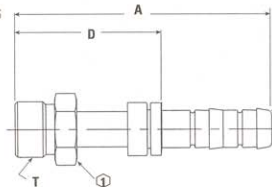
FJ3319



90° ORS Female Swivel (long drop)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3319-1212S	1-3/16-12	12	3.82	2.24	—	2.38	1.13

FJ3136



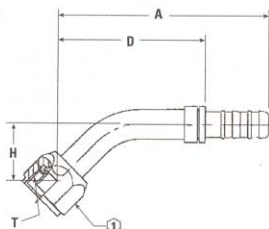
Straight Male O-ring (rigid) Metric Thread

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3136-0810S	M20 x 1.5	10	3.62	2.07	0.69	—	0.88

E-Z Clip System™

Fittings

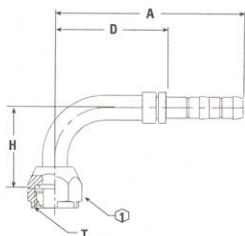
FJ3192



45° Female O-ring (long pilot, metric thread)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
FJ3192-02-1212S	M27x2	12	4.74	3.17	—	1.47	1.25
FJ3192-01-1212S	M27x2	12	5.33	3.75	—	2.56	1.25

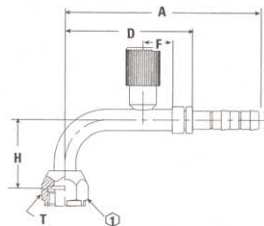
FJ3111
FJ3409



90° Female O-ring (long pilot) Metric Thread

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
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
FJ3409-1212S	M27 x 2	12	4.74	3.16	—	2.56	1.25

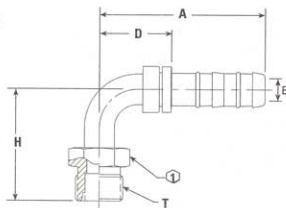
FJ3112



90° Female O-ring (long pilot) Metric Thread with High Side Charge Port (R134a)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
FJ3112-01-0808S	M20 x 1.5	8	4.52	2.98	0.69	1.62	0.94

FJ3113

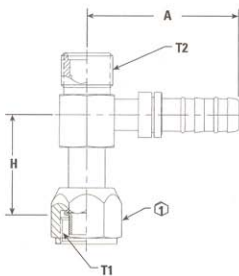


90° Male O-ring (rigid) Metric Thread

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	T
FJ3113-0810S	M20 x 1.5	8	2.75	1.20	—	1.82	0.88

E-Z Clip System™ Fittings

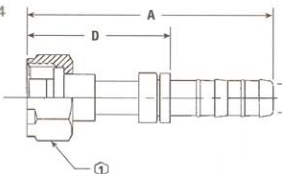
FJ3067
FJ3495



GM Tie In - Metric Tee Thread

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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

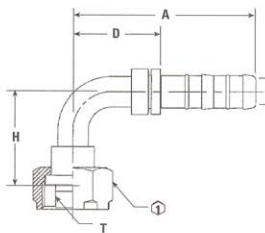
FJ3274



Straight - Female RotaLok

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3274-1010S	1-14	10	3.69	2.14	—	—	1.13

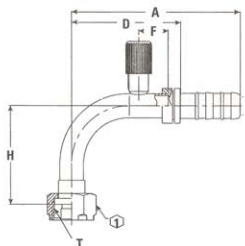
FJ3225



90° Female RotaLok

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3225-1010S	1-14	10	2.98	1.43	—	1.52	1.13

FJ3510

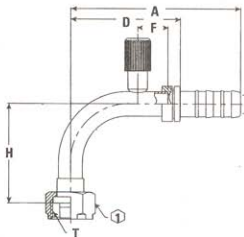


90° Female RotaLok with R134a Low Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3510-1012S	1-14	12	4.48	2.88	.79	2.58	1.13

E-Z Clip System™ Fittings

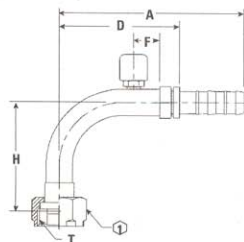
FJ3511



90° Female Rotalok with R134a High Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3511-1010S	1-14	10	4.43	2.88	.79	2.58	1.13

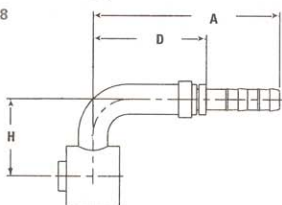
FJ3226



90° Female RotaLok with Switch Port (7/16-20 thread)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3226-1010S	1-14	10	4.43	2.88	0.63	2.56	1.13

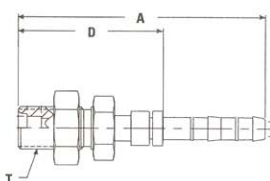
FJ3568



90° GM Block Style

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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	—

FJ3513

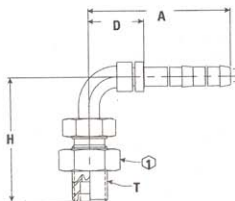


Straight Bulkhead

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3513-0606S	5/8-18	6	3.69	2.16	—	—	.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

E-Z Clip System™ Fittings

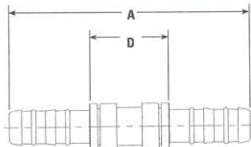
FJ3514



90° Male Bulkhead

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3514-0606S	5/8-18	6	2.50	.98	—	2.15	.94
FJ3514-0808S	3/4-16	8	2.74	1.20	—	2.61	1.0
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

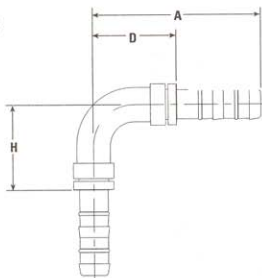
FJ3045



Straight Splicer

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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	—	—	—

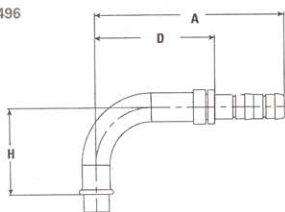
FJ3058



90° Splicer

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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	—

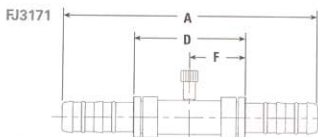
FJ3496



90° Pilot Connection (long pilot)

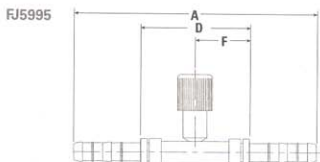
CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3496-01-1010S	—	10	4.22	2.67	—	1.89	—

E-Z Clip System™ Fittings



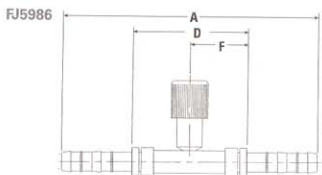
Splicer with SwitchPort 7/16-20Thd

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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	—	—



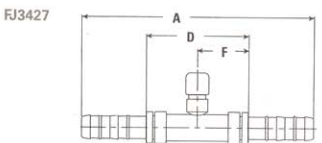
Splicer with High Side R134a Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
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	—	—



Splicer with R134a Low Side Port

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ5986-1010S	—	10	5.54	2.44	1.22	—	—
FJ5986-1212S	—	12	5.60	2.44	1.22	—	—



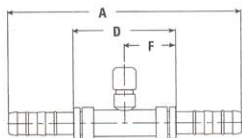
Splicer with High Side Switch Port (M10 X 1.25)

CATALOG NUMBER REF	TH'D "T"	HOSE SIZE	A REF	D REF	F REF	H REF	1
FJ3427-0808S	—	8	5.61	2.52	1.26	—	—
FJ3427-1010S	—	10	5.54	2.44	1.22	—	—

E-Z Clip System™

Fittings

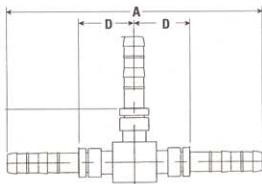
FJ3428



Splicer with Low Side Switch Port (M12 X 1.25)

CATALOG NUMBER REF	TH'D	HOSE "T"	A SIZE	D REF	F REF	H REF	I REF
FJ3428-1212S	—	12	5.59	2.44	1.22	—	—

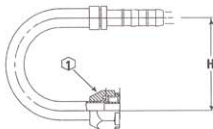
FJ3066



"T" Splicer - 3 Hose Connector

CATALOG NUMBER REF	TH'D	HOSE "T"	A SIZE	D REF	F REF	H REF	I REF
FJ3066-0808S	—	8	5.48	2.40	—	—	—
FJ3066-1010S	—	10	5.62	2.52	—	—	—
FJ3066-1212S	—	12	5.67	2.52	—	—	—
FJ3066-101212S	—	10x12x12	5.67	2.52	—	—	—
FJ3066-060808S	—	6 x 8 x 8	5.48	2.40	—	—	—

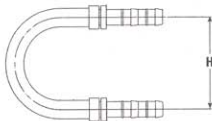
FJ3623



180° Female O-ring Pilot

CATALOG NUMBER REF	TH'D	HOSE "T"	A SIZE	D REF	F REF	H REF	I REF
FJ3623-0808S	M20 x 1.5	8	—	—	—	2.50	.94

FJ3624



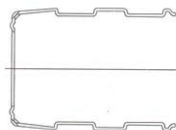
180° Splicer

CATALOG NUMBER REF	TH'D	HOSE "T"	A SIZE	D REF	F REF	H REF	I REF
FJ3624-0808S	—	8	—	—	—	2.50	—

E-Z Clip System™

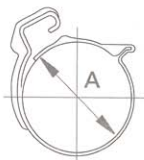
Cages, Clips and Lifesavers

Cages / Fitting to Hose Attachment



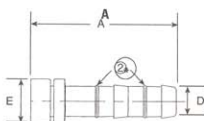
CATALOG NUMBER	CAGE SIZE	HOSE DESCRIPTION
1F40105-06C	-06	Cages for size -06 hose
1F40105-08C	-08	Cages for size -08 hose
1F40105-10C	-10	Cages for size -10 hose
1F40105-12C	-12	Cages for size -12 hose

Clips Hose / Cage Connection



CATALOG NUMBER	A REF	DESCRIPTION
1F40104-06C	18 mm	Clips for size -06 hose
1F40104-08C	20.5 mm	Clips for size -08 hose
1F40104-10C	23 mm	Clips for size -10 hose
1F40104-12C	27.5 mm	Clips for size -12 hose

Lifesaver Braze Nipple



CATALOG NUMBER REF	TH'D	HOSE "T"	A SIZE
FF12262-0606S	—	6	2.01
FF12262-0608S	—	8	2.02
FF12262-0808S	—	8	2.02
FF12262-0810S	—	10	2.03
FF12262-1010S	—	10	2.03
FF12262-1012S	—	12	2.06
FF12262-1212S	—	12	2.11

*O-rings packaged separately

E-Z Clip System™

Assembly Tools

Pliers / Connecting Tool



CATALOG NUMBER	DESCRIPTION
FT1357	Connecting Tool

Hose Cutter

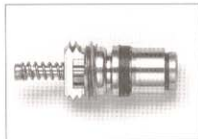


CATALOG NUMBER	DESCRIPTION
T-135	Plastic Tube and Hose Cutter
T-135B	Replacement Blade

Core Tools



FF90192-02



FF90192-01

CATALOG NUMBER	DESCRIPTION
R134a	High Side Core*
R134a	Low Side Core*
R134a	High Side Cap
R134a	Low Side Cap
FF9872-04	Cap for 7/16-20 Thd. port

*For Weatherhead high flow charge ports only.



FF90193-02, FF90193-01



FF9872-04

E-Z Clip Components

Ordering & Identifying



The E-Z Clip System is designed for assembly with Weatherhead GH134 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 (T-135) or equivalent cutting tool
- Refrigerant oil compatible with refrigeration or A/C system
- GH134 Multi-Refrigerant hose
- Nipple assembly*
- Appropriately sized clips and cage

*NOTE:

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



E-Z Clip System Components Are Simple to Identify, Order and Use

ORDERING INFORMATION

Hose	Nipple	Cage	Clips
GH134-6W	FJ - 06S	1F40105-06C	1F40104-06C
GH134-8W	FJ - 08S	1F40105-08C	1F40104-08C
GH134-10W	FJ - 10S	1F40105-10C	1F40104-10C
GH134-12W	FJ - 12S	1F40105-12C	1F40104-12C

IDENTIFICATION GUIDE

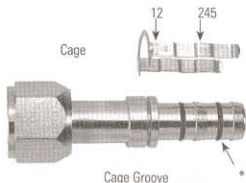
Hose	Cage	Clips	Nipple O-Ring*(HNBR)
GH134-6W	-6 and 150	150	1F40106-06
GH134-8W	-8 and 175	175	1F40106-08
GH134-10W	-10 and 200	200	1F40106-10
GH134-12W	-12 and 245	245	1F40106-12

* The o-ring shown must be used on the hose nipple. NO substitution can be made, without potential of failure.

For Example...



Hose



Cage

Cage Groove



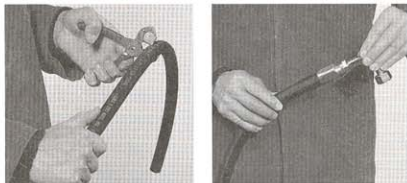
Clips

E-Z Clip System™

Assembly Instructions

Step 1. Cut the Hose

Cut the hose to proper length with an appropriate cutting tool. The Weatherhead hand-held hose cutter (T-135) has been specifically designed for cutting all non-wire reinforced hose, such as GH134 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 fitted 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 (cont.)

Step 6: Slide the Clips

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

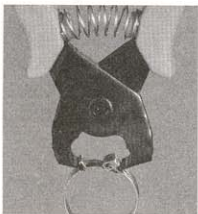
Step 7: Close the Clips

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.

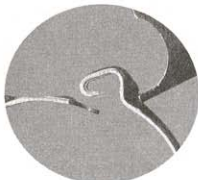
The nose of the pliers should be firmly seated under the assembly bump and lock latch.

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

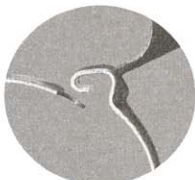
If the pliers are not kept square during closing of the clip, the clasp may have an offset. Use the pliers to correct the clasp alignment.



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



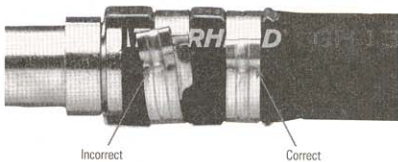
Correct



Incorrect

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 and 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.