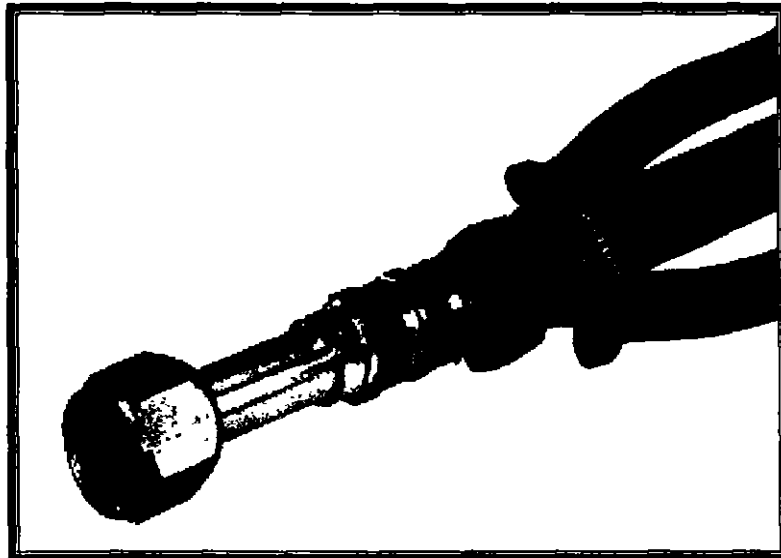


AE379 REFRIGERANT HOSE WITH FIELD ATTACHABLE ALUMINUM FITTINGS



Aeroquip Technology Responds to Today's Need for a Light Weight/Field Attachable Refrigerant Hose Assembly

Aeroquip's AE379 refrigerant hose with easy, field-attachable aluminum fittings has been developed in response to today's need for an aerospace quality hose assembly that is light weight, easy to assemble in the field and requires only simple, assembly tools. AE379 is a light weight, smooth bore hose with a rugged, flexible cover, especially designed for aerospace refrigerant applications. The new field-attachable aluminum fittings are designed for easy assembly with simple hand-held tools on the workbench or in the aircraft. With the combination of both the AE379 hose and field-attachable fittings, Aeroquip has developed a new product that responds to today's air conditioning aerospace market.

Design Features/Advantages

- Low Effusion
- Light Weight
- Fast/Easy Field Assembly
- Meets SAE J2064 Refrigerant Hose Specification
- Compatible with R134a, R404, R12 and R22 Refrigerants
- 500 psi Maximum Operating Pressure
- Temperature Range -40° to 257°F
- Sizes Available -6, -8, -10 and -12

AE379 REFRIGERANT HOSE PERFORMANCE DATA

Hose Size	OD Tube Size (in) (Size Code)	Hose ID (min)	Hose OD (max)	Operating Pressure (psi)	Proof Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius	Weight per Foot (lbs)
-6	3/8 (G)	0 300	0 600	500	1000	2000	2 00	0 09
-8	1/2 (H)	0 400	0 720	500	1000	2000	2 50	0 12
-10	5/8 (J)	0 500	0 800	500	1000	2000	3 00	0 15
-12	3/4 (K)	0 625	0 990	500	1000	2000	4 00	0 18

Note All Dimensions in Inches

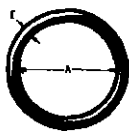
FITTING PART NUMBERS



CAGE	
Size	Cage Part Number
-6	AE60370G
-8	AE60370H
-10	AE60370J
-12	AE60370K



CLIP (2 required per end fitting)	
Size	Clip Part Number
-6	AE60371G
-8	AE60371H
-10	AE60371J
-12	AE60371K



O-Ring Pilot Dash Size	O-Ring Part No (MIL-P-83461)	A	E
-6	AE22103-011	301	07
-8	AE22103-013	.426	07
-10	AE22103-015	551	07
-12	AE22103-017	676	07

AE379 Fittings and Hose Assemblies

Fitting Dimensions

	Dash Size	*Nipple Assembly	A Ref	C Ref	Nom D	Min H	**R	Thread T	Hex Y Ref	Nom Wt (lbs) w/Cage & Clip
	-6	AE60372G	4 37	29	--	213	--	6250-18UNF-3B	75	063
	-8	AE60372H	4 96	38	--	311	--	7500-16UNF-3B	88	090
	-10	AE60372J	5 57	44	--	370	--	8750-14UNF-3B	1 06	138
	-12	AE60372K	6 65	57	--	465	--	1 0625-14UNS-3B	1 25	208
	-6	AE60373G	3 96	29	1 082	213	750	6250-18UNF-3B	75	063
	-8	AE60373H	4 47	38	1 286	311	1 000	7500-16UNF-3B	88	090
	-10	AE60373J	5 00	44	1 512	370	1 250	8750-14UNF-3B	1 06	138
	-12	AE60373K	5 88	57	2 022	465	1 500	1 0625-14UNS-3B	1 25	208
	-6	AE60374G	3 32	29	1 380	213	750	6250-18UNF-3B	75	063
	-8	AE60374H	3 77	38	1 620	311	1 000	7500-16UNF-3B	88	090
	-10	AE60374J	4 22	44	1 890	370	1 250	8750-14UNF-3B	1 06	138
	-12	AE60374K	4 74	57	2 560	465	1 500	1 0625-14UNS-3B	1 25	208

*Nipple assembly part number does not include cage, clips or o-ring for the tube-o-end
 **Radius of elbow is measured to centerline

Hose Assemblies

A	B	Dash Sizes	Assembly Base No	Nipple A Part No.	Fitting B Part No
		-6 thru -12	AC310	AE60372	AE60372
		-6 thru -12	AC311	AE60372	AE60373
		-6 thru -12	AC312	AE60372	AE60374
		-6 thru -12	AC313	AE60373	AE60373
		-6 thru -12	AC314	AE60373	AE60374
		-6 thru -12	AC315	AE60374	AE60374

How to Complete Hose Assembly Part Numbers

The part numbers shown here represent standard configurations with materials, markings and cleaning requirements conforming to the related military or aerospace standards as they apply. If your requirements differ from these standards, the hose assemblies you order will be assigned new customer specific part numbers by Aeroquip.

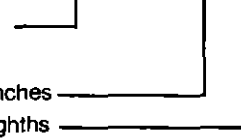
Example of Aeroquip Part Number

AC310H0242

Base Part Number and
Hose Size Code

Length of Assembly in Inches

Fraction of an Inch in Eighths



On assemblies with an elbow fitting on each end, measure the orientation angle as shown above. Add the angle measurement as a suffix to the base part number. In all cases, the angle should be expressed in 3 digits. For example, 90° should be written 090. If the angle desired is 0°, specify 000.

Example of Aeroquip Part Number

AC315H0242-270

Base Part Number and
Hose Size Code

Length of Assembly in Inches

Fraction of an Inch in Eighths

Orientation Angle in 1° Increments



This part number format is consistent with the SAE AS part number format

Hose Dash Size	6 8 10 12
Letter Code	G H J K

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