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AS7056™

FEDERAL SUPPLY CLASS
4720

RATIONALE

NEW PART STANDARD.

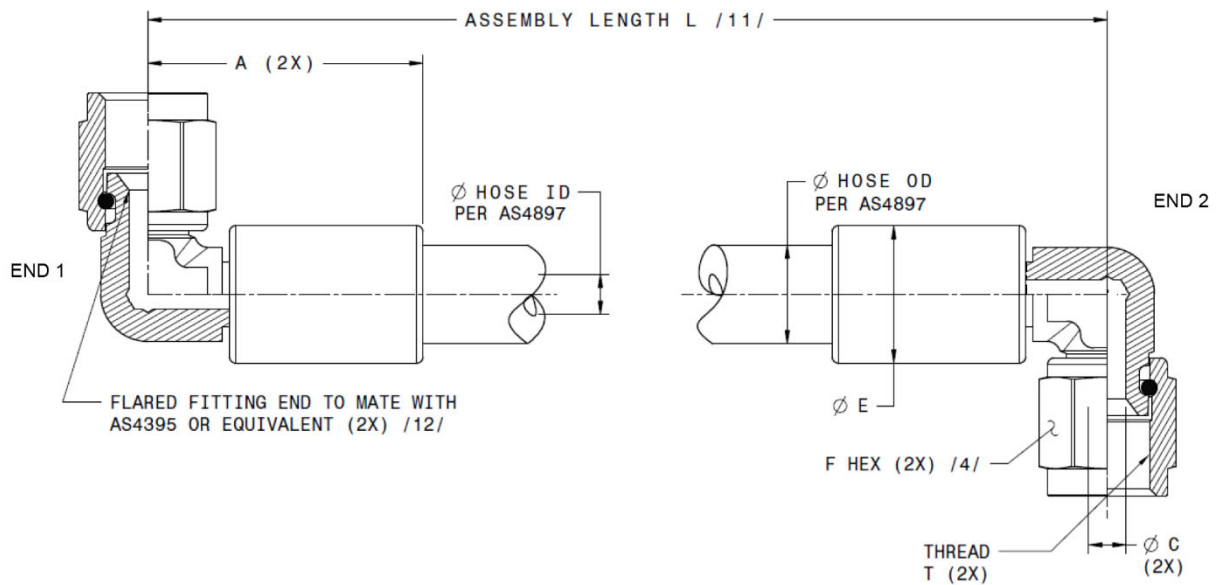


FIGURE 1 - HOSE ASSEMBLY

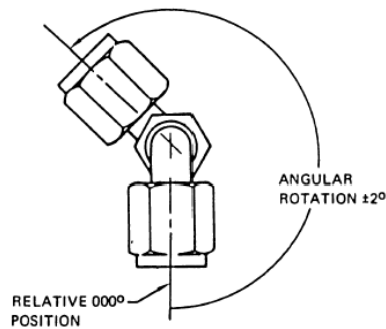
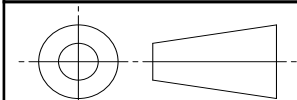


FIGURE 2 - FITTING ANGULAR ORIENTATION /17/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS7056/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS4897 /7/



AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE,
METAL BRAID, LOW PRESSURE, FIREPROOF, FLARED,
90° TO 90°

AS7056™
SHEET 1 OF 4

Documents

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TABLE 1 - DIMENSIONS (INCHES)

HOSE ASSEMBLY NO. & SIZE /14/	HOSE SIZE (REF)	FITTING TYPE /15/	THREAD T PER AS8879 (REF)	HOSE ID MIN (REF)	A CUFF MAX	C MIN BALL DIA /8/	E MAX	F HEX (REF)
AS7056D (-03)	.188	--	--	--	--	--	--	--
		S	.3750-24UNJF-3B	.110	1.25	.068	.58	.500
AS7056E (-04)	.250	E	.4375-20UNJF-3B	.110	1.30	.068	.58	.562
		R	.3750-24UNJF-3B	.173	1.40	.068	.69	.500
		S	.4375-20UNJF-3B	.173	1.42	.112	.69	.562
AS7056F (-05)	.313	E	.5000-20UNJF-3B	.173	1.46	.112	.69	.625
		R	.4375-20UNJF-3B	.235	1.40	.112	.72	.562
		S	.5000-20UNJF-3B	.235	1.40	.164	.72	.625
AS7056G (-06)	.375	E	.5625-18UNJF-3B	.235	1.53	.164	.72	.688
		R	.5000-20UNJF-3B	.298	1.59	.164	.79	.625
		S	.5625-18UNJF-3B	.298	1.63	.218	.79	.688
AS7056H (-08)	.500	E	.7500-16UNJF-3B	.298	1.86	.218	.79	.875
		R	.5625-18UNJF-3B	.391	1.81	.218	.91	.688
		S	.7500-16UNJF-3B	.391	1.90	.289	.91	.875
AS7056J (-10)	.625	E	.8750-14UNJF-3B	.391	2.02	.289	.91	1.000
		R	.7500-16UNJF-3B	.485	2.17	.289	1.05	.875
		S	.8750-14UNJF-3B	.485	2.17	.366	1.05	1.000
AS7056K (-12)	.750	E	1.0625-12UNJ-3B	.485	2.30	.366	1.05	1.250
		R	.8750-14UNJF-3B	.615	2.30	.366	1.19	1.000
		S	1.0625-12UNJ-3B	.615	2.30	.466	1.19	1.250
		E	1.3125-12UNJ-3B	.615	3.10	.466	1.19	1.500

TABLE 2 - ASSEMBLY LENGTH TOLERANCES

HOSE ASSEMBLY LENGTH	TOLERANCE
UNDER 18 INCHES	±.125 INCH
18 TO 36 INCHES, EXCLUSIVE	±.250 INCH
36 TO 50 INCHES, EXCLUSIVE	±.500 INCH
50 INCHES AND OVER	±1%

TABLE 3 - HOSE WEIGHT MAX - ALL OTHERS REF

HOSE OR FITTING	FITTING TYPE /15/	UNITS	HOSE SIZE -03	HOSE SIZE -04	HOSE SIZE -05	HOSE SIZE -06	HOSE SIZE -08	HOSE SIZE -10	HOSE SIZE -12
HOSE	--	LB/IN	.008	.010	.012	.014	.017	.022	.027
FITTING END 90° /16/									
CRES	S	LB/EA	.057	.075	.092	.122	.234	.393	.590
TI	S	LB/EA	.038	.050	.061	.083	.153	.246	.359

NOTES:

- CONSTRUCTION AND PERFORMANCE: AS4897, FITTINGS SHALL BE PERMANENTLY ATTACHED TO THE HOSE.
- OPERATING CHARACTERISTICS: REFER TO AS4897.
- HOSE AND FITTING MATERIALS PER AS4897. /5/
- /4/ STANDARD COUPLING NUTS SHALL BE IN ACCORDANCE WITH AN818, AS1790, OR AS4370 (AS1791 WIRE AS APPLICABLE) AND MATE WITH AS4395 OR EQUIVALENT FITTING ENDS. NONSTANDARD COUPLING NUTS MAY BE USED, PROVIDED THEY ARE FUNCTIONALLY EQUIVALENT, AND PROVIDED THEY CANNOT BE REMOVED FROM THE FITTING. NUTS SHALL MEET THE TORQUE TEST REQUIREMENTS PER AS4897.
- /5/ FOR TITANIUM FITTINGS, THE BASIC MATERIAL SHALL BE TITANIUM, EXCEPT THE COLLAR (SOCKET) AND SWIVEL NUT RETAINING WIRE MAY BE CORROSION-RESISTANT STEEL (CRES).

	AEROSPACE STANDARD		AS7056™ SHEET 2 OF 4	
	HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, METAL BRAID, LOW PRESSURE, FIREPROOF, FLARED, 90° TO 90°			

