

AS1477 A

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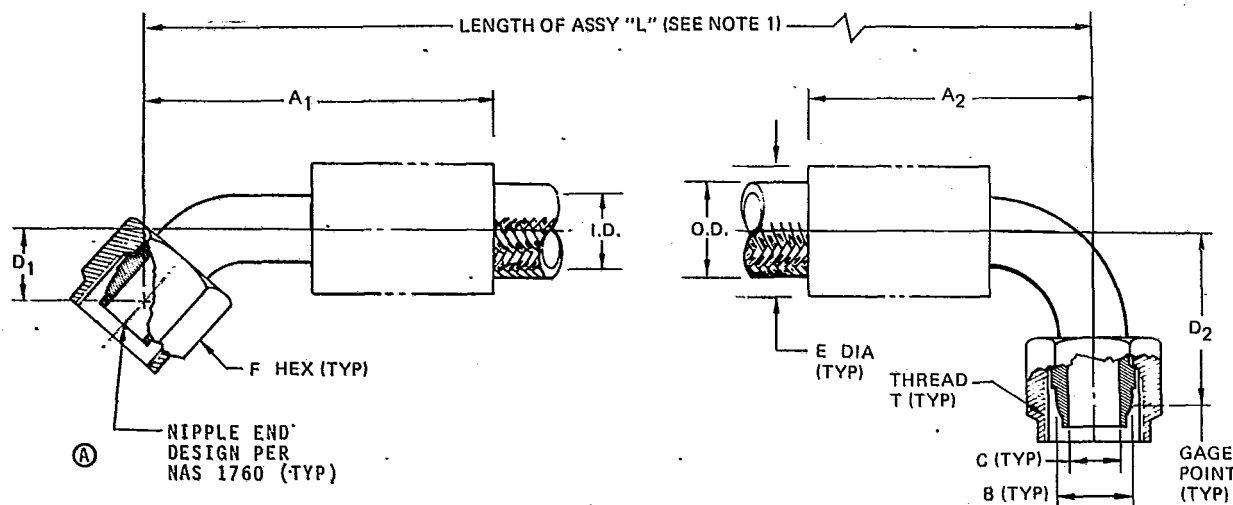


FIGURE 1

BASIC HOSE AND END FITTING DIMENSIONS

HOSE ASSEMBLY NO. AND SIZE CODE	HOSE ASSY. SIZE (REF)	THREAD T PER MIL-S-8879 (REF)	A1	A2	B GAGE DIA. BASIC	C MIN. THRU 2	D1		D2		E MAX. 3	F HEX ACROSS FLATS (REF)	HOSE I.D. MIN.	HOSE O.D.	
			MAX.	MAX.			MIN.	MAX.	MIN.	MAX.				MIN.	MAX.
AS1477E	1/4	.4375-20 UNJF-3B	1.80	1.52	.2930	.174	.33	.39	.62	.70	.67	.56	.235	.35	.39
AS1477G	3/8	.5625-18 UNJF-3B	2.16	1.85	.4120	.291	.42	.48	.82	.90	.82	.69	.360	.54	.57
AS1477H	1/2	.7500-16 UNJF-3B	2.51	2.16	.5600	.409	.47	.53	.96	1.04	1.03	.88	.485	.68	.73
AS1477J	5/8	.8750-14 UNJF-3B	2.84	2.45	.6730	.495	.57	.63	1.18	1.26	1.18	1.00	.610	.81	.86
AS1477K	3/4	1.0625-12 UNJ-3B	3.17	2.74	.8100	.646	.62	.68	1.31	1.39	1.47	1.25	.735	.93	.98
AS1477M	1	1.3125-12 UNJ-3B	3.80	3.30	1.0620	.898	.76	.82	1.67	1.75	1.75	1.50	.985	1.20	1.24

TABLE II

LENGTH INCREMENTS AND TOLERANCE

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 INCHES	(NOT LESS THAN) .125 INCH	(PLUS OR MINUS) .125 INCH
18 TO 36 INCHES	(NOT LESS THAN) .250 INCH	(PLUS OR MINUS) .250 INCH
36 TO 100 INCHES	(NOT LESS THAN) .250 INCH	(PLUS OR MINUS) .375 INCH
100 TO 500 INCHES	(NOT LESS THAN) .500 INCH	(PLUS OR MINUS) 1/2 PERCENT
OVER 500 INCHES	(NOT LESS THAN) 1.000 INCH	(PLUS OR MINUS) 1 PERCENT

TABLE III

HOSE ASSEMBLY WEIGHT INFORMATION

HOSE SIZE (REF)	MAXIMUM WEIGHTS							HOSE LENGTH CORRECTION FACTOR INCH	
	HOSE LBS/INCH	STANDARD END FITTING (LBS) EACH							
		45°			90°				
		CODE "D"	CODE "S"	CODE "J"	CODE "D"	CODE "S"	CODE "J"	45°	90°
04	.004	.027		.048	.027		.049	.71	.51
06	.008	.046		.079	.048		.081	.88	.58
08	.011	.076		.122	.079		.125	.95	.70
10	.014	.116		.181	.122		.187	1.13	.88
12	.018	.169		.281	.183		.295	1.33	1.19
16	.024	.260		.420	.284		.444	1.56	1.32

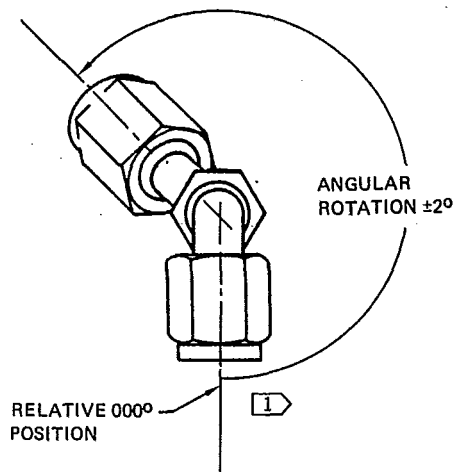


FIGURE II

PREPARED BY SAE COMMITTEE G-3, AEROSPACE FITTINGS, HOSE AND TUBING ASSEMBLIES

SAE The Engineering Resource For Advancing Mobility

AEROSPACE STANDARD

HOSE ASSEMBLY, FLEXIBLE, LOW PRESSURE, FLARELESS,
POTENTIALLY WATER AND OIL RESISTANT

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