

300

# AS156

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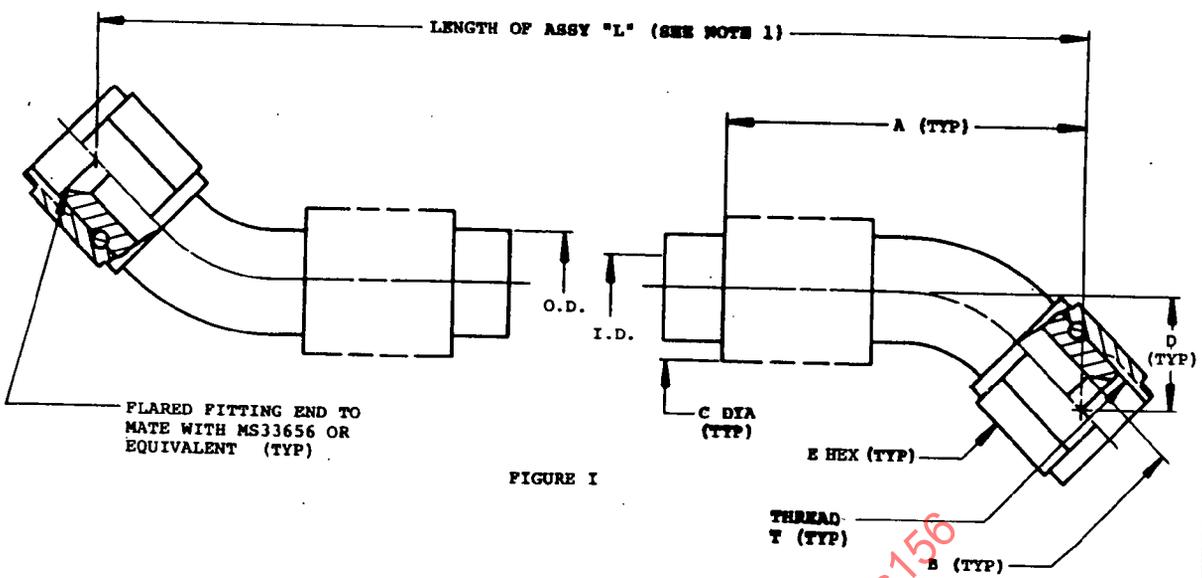


FIGURE 1

TABLE I

HOSE ASSEMBLY NO. AND SIZE CODE	HOSE ASSEMBLY SIZE REF	THREAD T PER MYL-S-8879 REF	I.D. MIN	A MAX	B MIN DIA THRU	C DIA WITHOUT SLEEVING	D		E HEX REF
							MIN	MAX	
AS156E	1/4	.4375-20UMJF-3B	.212	2.08	.141	.69	.280	.451	.56
AS156G	3/8	.5625-18UMJF-3B	.298	2.29	.250	.80	.370	.563	.69
AS156H	1/2	.7500-16UMJF-3B	.391	2.61	.360	.97	.430	.645	.88
AS156J	5/8	.8750-14UMJF-3B	.485	3.09	.455	1.11	.510	.666	1.00
AS156K	3/4	1.0625-12UNJ -3B	.602	3.44	.568	1.38	.590	.720	1.25
AS156M	1	1.3125-12UNJ-3B	.852		.760	1.66			1.50

TABLE II

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 INCHES	(NOT LESS THAN) 1/8 INCH	(PLUS OR MINUS) .125 INCH
18 TO 36 INCHES	(NOT LESS THAN) 1/4 INCH	(PLUS OR MINUS) .250 INCH
36 TO 50 INCHES	(NOT LESS THAN) 1/2 INCH	(PLUS OR MINUS) .500 INCH
OVER 50 INCHES	(NOT LESS THAN) 1 INCH	(PLUS OR MINUS) 1 PERCENT

TABLE III

SLEEVING CODE OR HOSE	TYPE OF SLEEVING OR HOSE	HOSE OR SLEEVE O.D. MAX						TEMPERATURE LIMIT
		HOSE SIZE						
		1/4	3/8	1/2	5/8	3/4	1	
NONF.	HOSE ONLY	.410	.540	.640	.745	.990		400°F
A	TUBULAR ABRASION (TFE)	.580	.678	.800	.850	1.184		400°F
B	SPIRAL ABRASION	.508	.612	.754	.847	1.080		275°F
C	FIRE SLEEVE	.875	.940	1.100	1.230	1.480		400°F
D	INTEGRAL ABRASION	.500	.625	.708	.832	1.112		400°F
E	SHRINK ABRASION (FEP)	.470	.600	.700	.805	1.050		400°F
F	SHRINK ABRASION (POLYOLEFIN)	.470	.610	.700	.815	1.050		275°F

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

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**AEROSPACE STANDARD**  
HOSE ASSEMBLY, NONMETALLIC-3000 PSI, TFE,  
FLARED, 45° TO 45°, LIGHTWEIGHT

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SH 1 OF 3

TABLE IV

HOSE SIZE (REF)	MAXIMUM WEIGHTS					
	HOSE LBS/INCH	SPIRAL SLEEVE LBS/INCH	TFE SLEEVE LBS/INCH	FIRE SLEEVE LBS/INCH	FIRE SLEEVE CLAMPS (LBS) EACH	STANDARD END FITTING (LBS) EACH
04	.010	.001	.003	.010	.025	.075
06	.015	.002	.003	.014	.025	.121
08	.021	.003	.004	.016	.025	.207
10	.028	.003	.004	.017	.026	.306
12	.055	.004	.006	.022	.026	.566
16						

TABLE V

HOSE SIZE	LENGTH (INCHES)
04	2.00 ± .25
06	
08	2.50 ± .25
10	
12	3.00 ± .25
16	

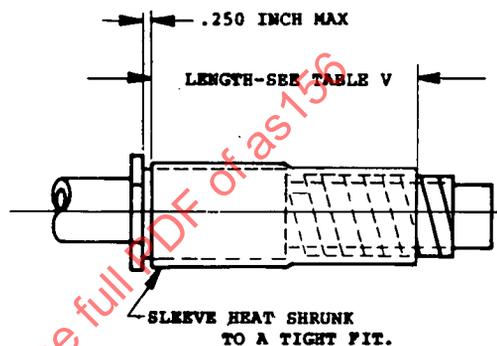


FIGURE 2

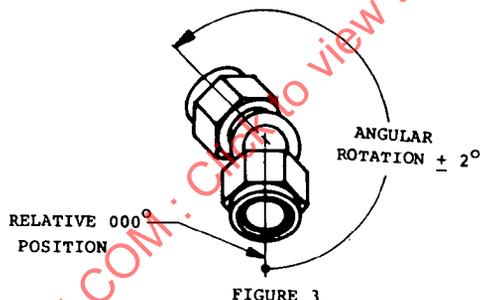


FIGURE 3

CONSTRUCTION AND PERFORMANCE: THESE HOSE ASSEMBLIES SHALL MEET THE CONSTRUCTION AND PERFORMANCE REQUIREMENTS OF AS 1339. FITTINGS SHALL BE PERMANENTLY ATTACHED TO THE HOSE.

RATED OPERATING CHARACTERISTICS: SEE AS 1339.

MATERIALS: HOSE AND FITTINGS-PER AS1339.  
 TUBULAR ABRASION SLEEVE (TFE) - BLACK, EXTRUDED SEAMLESS TFE TUBING PER AS 1291.  
 SPIRAL ABRASION SLEEVE - BLACK, NYLON COIL PER AS1294.  
 FIRESLEEVE - ASBESTOS, IMPREGNATED WITH SILICON RUBBER PER AS1072 "61L" CODED.  
 INTEGRAL ABRASION SLEEVE - BLACK, INTEGRALLY BONDED SILICON/TFE COMPOSITE.  
 SHRINK ABRASION SLEEVE (FEP) - TRANSLUCENT, SHRINKABLE FEP TUBING PER MIL-I-23053/11.  
 SHRINK ABRASION SLEEVE (POLYOLEFIN) - BLACK, SHRINKABLE POLYOLEFIN TUBING PER AMS 3587 OR MIL-R-46846 TYPE 5.

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

AEROSPACE STANDARD

HOSE ASSEMBLY, NONMETALLIC-3000 PSI, TFE, FLARED 45° TO 45° LIGHTWEIGHT

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