

AS153

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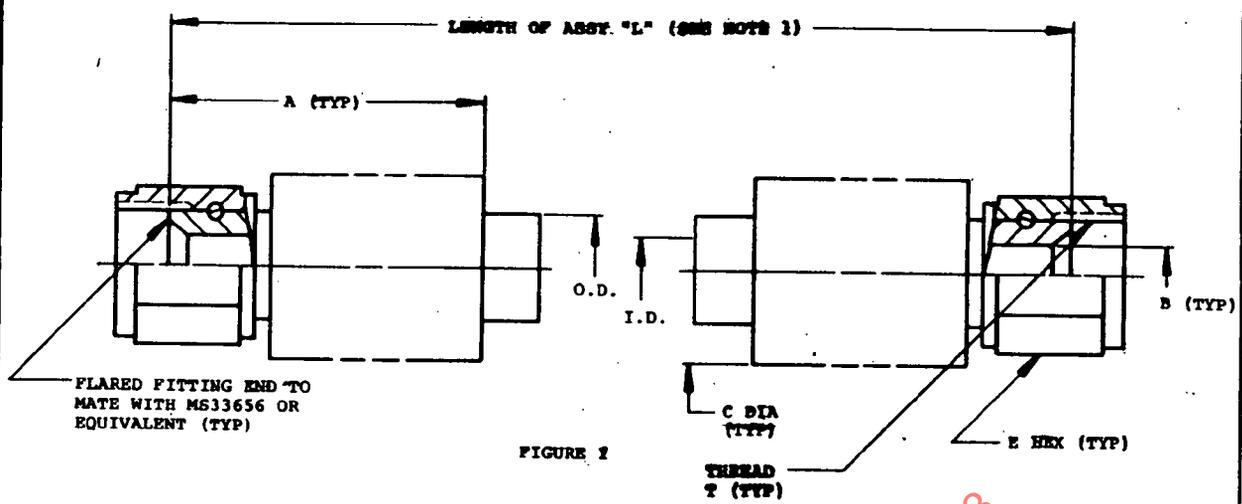


FIGURE 1

TABLE I

HOSE ASSEMBLY NO. AND SIZE CODE	HOSE ASSEMBLY SIZE REF	THREAD T PER MIL-S-8879 REF	I.D. MIN	A MAX	B MIN DIA THRU	C DIA MAX WITHOUT SLEEVING	E HEX REF
AS153-04	1/4	.4375-20UMJF-3B	.212	1.24	.141	.69	.56
AS153-06	3/8	.5625-18UMJF-3B	.298	1.48	.250	.80	.69
AS153-08	1/2	.7500-16UMJF-3B	.391	1.69	.360	.97	.88
AS153-10	5/8	.8750-14UMJF-3B	.485	1.77	.455	1.11	1.00
AS153-12	3/4	1.0625-12UMJF-3B	.608	1.95	.568	1.38	1.25
AS153-16	1	1.3125-12UMJF-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 HOSE EYE						TEMPERATURE LIMIT
		1/4	3/8	1/2	5/8	3/4	1	
NONE	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	PIRESLEEVE	.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, STRAIGHT TO STRAIGHT, LIGHTWEIGHT.

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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	.063
06	.015	.002	.003	.014	.025	.106
08	.021	.003	.004	.016	.025	.181
10	.028	.003	.004	.017	.026	.260
12	.055	.004	.006	.022	.026	.438
16						

TABLE V

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

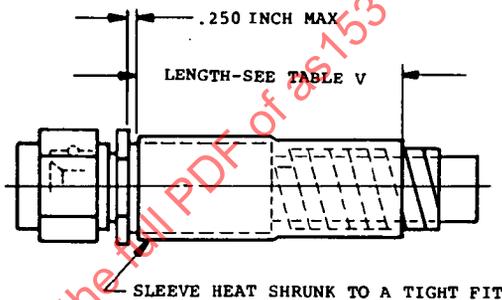


FIGURE 2

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 "SIL" 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.

MARKING: THE HOSE ASSEMBLIES SHALL HAVE ALL IDENTIFICATION MARKING AS REQUIRED BY AS1339, PERMANENTLY MARKED ON A PERMANENT STAINLESS STEEL BAND NOT MORE THAN 1.0 INCH WIDE OR ON THE END FITTING. THE CHARACTERS SHALL BE A MINIMUM OF 1/16 INCH HIGH. THE BAND SHALL BE SO DESIGNED AS TO REMAIN TIGHT ON THE HOSE TO PREVENT RELATIVE MOVEMENT AND RESULTANT CHAFING AND OF SUFFICIENT STRENGTH TO PREVENT REMOVAL BY HAND.

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

AEROSPACE STANDARD

HOSE ASSEMBLY, NONMETALLIC-3000 PSI, TFE, FLARED, STRAIGHT TO STRAIGHT, LIGHTWEIGHT.

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