



AEROSPACE STANDARD

AS116

Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

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Revised

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

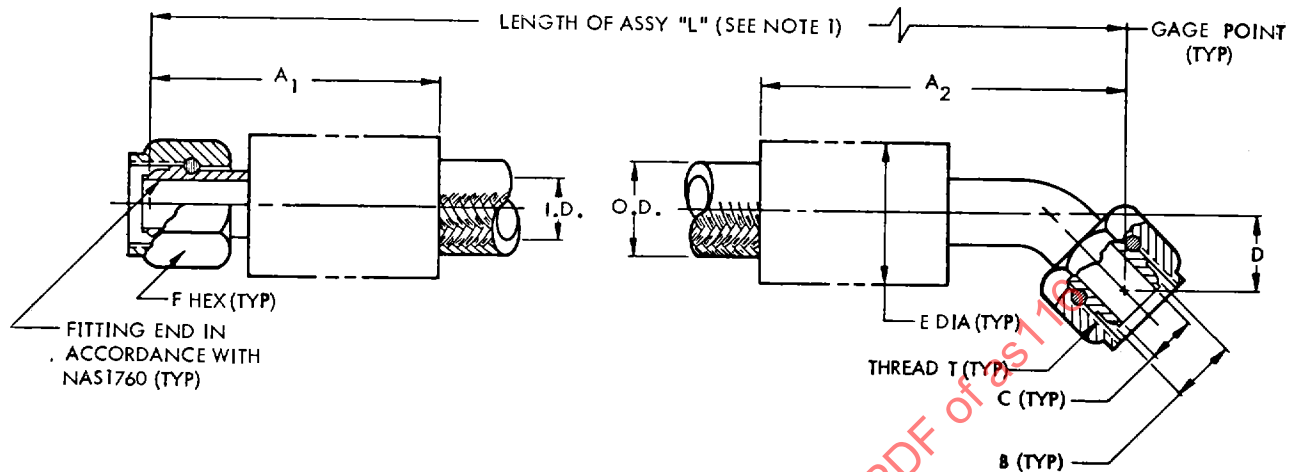


TABLE I

HOSE ASSEMBLY NO. AND SIZE CODE	HOSE ASSEMBLY SIZE REF	THREAD T PER MIL-S-8879 REF	I.D. MIN	A ₁ MAX	A ₂ MAX	B GAGE DIA BASIC	C 7 MIN DIA THRU	D		E 6 DIA MAX WITHOUT SLEEVING	F HEX REF
								MIN	MAX		
AS116-04	1/4	.4375-20 UNJF-3B	.212	1.56	2.12	.2930	.141	.31	.50	.69	.56
AS116-06	3/8	.5625-18 UNJF-3B	.298	1.75	2.44	.4120	.250	.44	.62	.80	.69
AS116-08	1/2	.7500-16 UNJF-3B	.391	2.00	2.75	.5600	.360	.50	.75	.97	.88
AS116-10	5/8	.8750-14 UNJF-3B	.485	2.25	3.25	.6730	.455	.56	.81	1.11	1.00
AS116-12	3/4	1.0625-12 UNJ-3B	.602	2.50	3.75	.8100	.568	.62	.88	1.38	1.25
AS116-16	1	1.3125-12 UNJ-3B	.852	3.00	4.50	1.0620	.760	.81	1.09	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 PER CENT

TABLE III

SLEEVING CODE OR HOSE	TYPE OF SLEEVING OR HOSE	HOSE OR SLEEVE O.D. MAX HOSE SIZE						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	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

CONSTRUCTION AND PERFORMANCE:

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

RATED OPERATING CHARACTERISTICS: SEE ARP 1339.