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AS1911

(R) TABLE 1 - HOSE AND FITTING DIMENSIONS

I I I	HOSE OR SLEEVE OUTSIDE DIAMETERS	1.000	1.400/1.340	1.360/1.300	1.350/1.290	1.360/1.300	1	1.350/1.310	1.400/1.340
MAX MAX .983 1.125 1.240 1.445 1.954	HOSE OR SLEEVE OUTSIDE DIAMETERS	/4/ .750		1.080/1.020	1.070/1.010	1.080/1.020	:	1.070/1.030	1.110/1.050
E MIN 7795 1.000 1.033 1.530 1.860			÷		•	7.		,	-
ス 発 88. 88. 1.125 1.125 1.50	HOSE OR SLEEVE OUTSIDE DIAMETERS	/4/ .625	.840/.780	.810/.750	.790/.730	.810/.750	:	.800/.760	.862/.802
BALL SIZE MIN THRU DIA /2/ DIA IN .109 .188 .313 .375 .469 .719	HOSE OR SLEEVE OUTSIDE DIAMETERS	.500	.730/.670	.695/.635	.6650,615	.695/.648	1	.695/.650	.730/.670
BALL SIZE MIN DIA MAX MAX DASH NO. IN SIZE 1.30 1.69 4812 1.31 44 2.21 4816 .31 38 1.70 2.29 4818 .37 8	HOSE OR SLEEVE OUTSIDE DIAMETERS	/4/ /4/ .375		.550/.490	.540/.480	.560/.505	;	.570/.535	.600/.540
A ₂ MAX 1.69 2.21 2.29 2.79 3.20 3.20 3.20 3.20	HOSE OR SLEEVE OUTSIDE DIAMETERS	/4/ 250	500/.440	450/.390	424/.374	.450/.400	i	490/.444	550/.440
AAA 1.30 1.30 1.30 1.30 1.50 1.60 1.85 2.00 2.00 2.00 1.60 1.60 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85	S S S S		χi	4. 9	ġ. 4 ;	₹.		₩.	35.
AD T S-8879 F NUS-3B NUS-3B NUS-3B NUS-3B NUS-3B NUS-3B	ON THE	IMIT F	004 4	275	350	275	400	300	400
THREAD T PER MIL-S-8879 REF A375-24UNJS-3B 5625-20UNJS-3B 7188-20UNJS-3B 1.0000-16UNJ-3B 1.2500-14UNJS-3B		IIAL	ILY (4) JULAR /5/	L /6/	IL-FG)	NK-ON CODE B)	SILICONE	LEEVE /9/	r /6/
SIZE SIZE 250 375 375 500 1.000		SLEEVE MATERIAL	HOSE ON SEE AS162 EEVE TUE	CODE B) EEVE COI 34)	AS 1072 S /11/ EEVE SHF	EEVE SHF AS1073 -	NTEGRAL AS1722)	RASION S	EEVE COI
HOSE ASSEMBLY NO. AND SIZE CODE AS1911-04 AS1911-08 AS1911-10 AS1911-12 AS1911-12		SLEE	(-) INDICATES HOSE ONLY NO SLEEVE (SEE AS1624) ABRASION SLEEVE TUBUL	(IFE-AST291-CODE B) ABRASION SLEEVE COIL /6/ (NYLON AS1294)	rifesteeve (45.10/2 sit-rg) (15 min) /// /8/ /11/ ABRASION SLEEVE SHRINK-C	ABRASION SLEEVE SHRINK (POLYOLEFIN AS1073 - COD	FIRESLEEVE INTEGRAL SILI (15 min) (SEE AS1722) (11/12)	INTEGRAL ABRASION SLEEVE /9/	(PTFE-AS1293)
		SLEEVE	· «	m (ш	ш	I	¥	_

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AEROSPACE STANDARD
HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE,

TABLE 3 - HOSE ASSEMBLY LENGTH TOLERANCES

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 in	(NOT LESS THAN) .125 in	±.125 in
18 TO 36 in	(NOT LESS THAN) .250 in	±.250 in
36 TO 50 in	(NOT LESS THAN) .500 in	±.500 in
OVER 50 in	(NOT LESS THAN) 1.000 in	±1%

TABLE 4 - WEIGHTS

			REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE
			WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
			LB/IN	LB/IN	LB/IN	LB/IN	LB/IN	LB/IN
HOSE			/22/	/22/	/22/	/22/	/22/	/22/
OR			HOSE	HOSE	HOSE	HOSE	HOSE	HOSE
SLEEVE			SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
CODE	HOSE OR TYPE SLEEVE	UNITS	.250	.375	.500	.625	.750	1.000
	HOSE ONLY	LB/IN			500			1,000
	(SEE AS1624)	22,111						
Α	ABRASION SLEEVE	LB/IN	.003	.004	.004	.005	.007	.009
	(TFE-AS1291-B)		.555	,	.00 /	.000	, O . O .	.000
В	ABRASION SLEEVE	LB/IN	.001	.002	.003	.003	.004	.005
	(NYLON AS1294)			.002	.000	.000	.004	.000
	(***==*********************************					12		
С	FIRESLEEVE (15 min)	LB/IN	.007	.009	.011	612	.017	.021
	AS1072					10	.517	
Ε	ABRASION SLEEVE	LB/IN	.002	.003	.003	.005	.006	.007
	(FEP)					0		
F	ABRÁSION SLEEVE	LB/IN	.002	.003	.003	.004	.005	.006
	(AS1073B)					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,
	,				O V			
н	FIRESLEEVE INTEGRAL	LB/IN			11 7		-	-
	(15 min) ON HOSE							
	(SEE AS1722)				XO.			
K	ABRASION SLEEVE	LB/IN	.012	.016 📿	.022	.030	.060	.090
	POLYESTER WITH			"W				
	HOSE			121				
L	ABRASION SLEEVE	LB/IN	.003	.004	.005	.005	.006	.007
	(PTFE-AS1293)			.0			,	
	,			110				
NONE	FIRESLEEVE CLAMP	LB/EA	.025	.025	.025	.026	.026	.033
	/22/		XC)				
			X					
NONE	FITTING END	LB/EA	.060	.088	.142	.225	.355	.530
	(STRAIGHT) /22/							
	•							
NONE	FITTING END (90°)	LB/EA	.060	.100	.150	.250	.430	.680
	/22/	12	<u> </u>					•

TABLE 5 - SLEEVE LENGTHS

HOSE SIZE	LENGTH (in)
.250/.375	2.00 ± .25
.500/.625	2.50 ± .25
750/1.000	$3.00 \pm .25$

NOTES:

- /1/ LENGTH "L" IS A FOUR DIGIT NUMBER OF WHICH THE FIRST THREE DIGITS DESCRIBE THE HOSE ASSEMBLY LENGTH IN WHOLE INCHES, AND THE FOURTH DIGIT. THE FRACTION OF AN INCH IN EIGHTHS. LENGTH "L" IS MEASURED FROM OUTER CORNER OF SEALING SURFACE AS SHOWN IN FIGURE 1 FOR STRAIGHT FITTINGS TO THE CENTERLINE OF THE ELBOW FOR 90° FITTINGS. FOR LENGTH INCREMENTS AND TOLERANCES SEE TABLE 3.
- 121 A TRUE CIRCULAR CROSS SECTION IS NOT REQUIRED THROUGH THE FITTING I.D. HOWEVER, THE APPLICABLE BALL DIAMETER LISTED IN TABLE 1 SHALL PASS THROUGH THE END FITTING AFTER IT IS ASSEMBLED TO THE HOSE.
- /3/ STANDARD COUPLING NUTS SHALL MATE WITH MIL-F-85421 FITTING ENDS. NONSTANDARD COUPLING NUTS MAY BE USED, PROVIDED THEY ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT AND PROVIDED THEY CANNOT BE REMOVED FROM THE FITTING. NUTS SHALL MEET TORQUE TEST REQUIREMENTS PER AS1339 EXCEPT TORQUE VALUES SHALL BE PER MIL-F-85421. THE THREAD AND ALL INTERNAL SURFACES SHALL BE DRY-FILM LUBRICATED WITH MIL-L-46010 TYPE I COATING. ALL EXTERNAL SURFACES MAY BE DRY-FILM COATED.
- 141 DIAMETERS ARE LISTED FOR CLAMP SELECTION. TUBULAR SLEEVES MAY NOT BE A PERFECT ROUND AND SHALL BE MEASURED WITH A DIAMETER TAPE RULER (OFTEN REFERRED TO AS PI-TAPE).
- /5/ TUBULAR ABRASION (TFE) SLEEVES SHALL HAVE AN I.D. NO GREATER THAN HOSE O.D. +.05 in. AXIAL MOVEMENT OF THE SLEEVE INSTALLED ON THE HOSE SHALL NOT EXCEED .05 in. ENDS OF THE TUBULAR SLEEVE SHALL BE TERMINATED WITH A LENGTH OF M23053/11 (FEP) CLASS 1 OR 2, COLOR CLEAR, PER TABLE 5 AND FIGURE 2.
- /6/ COIL ABRASION SLEEVES, WHEN ASSEMBLED ON A STRAIGHT HOSE, SHALL HAVE AN AVERAGE GAP BETWEEN COILS NOT EXCEEDING .05 in. DISPLACEMENT OF THE COILS OF THE SLEEVE, CAUSING A GREATER GAP, SHALL NOT BE CAUSE FOR REJECTION IF THE COILS CAN BE REPOSITIONED TO MEET THE GAP REQUIREMENTS. ENDS OF THE COIL SLEEVE SHALL BE TERMINATED WITH A LENGTH OF HEAT SHRINKABLE SLEEVING IN ACCORDANCE WITH TABLE 5 AND FIGURE 2. CODE "B" (NYLON COIL) ABRASION SLEEVES SHALL BE TERMINATED WITH M23053/5, CLASS 1 OR 3, COLOR BLACK. CODE "L" (COIL ABRASION) SLEEVES SHALL BE TERMINATED WITH M23053/12A, CLASS 1, COLOR TRANSPARENT, PTFE. (OPTIONAL M23053/11 (FEP) CLASS 1 OF 2, COLOR CLEAR.)
- THE TABLE 2 SLEEVE DIAMETERS FOR AS1072 SLEEVE APPLIES WHEN THE SLEEVE IS COMPRESSED, OR /7/ CLAMPED, TO CONTACT THE HOSE. IN THIS CASE A WRINKLE MAY OCCUP OVER APPROXIMATELY 10% OF THE SLEEVE CIRCUMFERENCE.
- /8/ THE CUT ENDS OF THE FIRESLEEVE SHALL BE COATED WITH RTV SILICONE RUBBER, PRIOR TO INSTALLATION, TO PREVENT WICKING OF FLUIDS. THE FIRESLEEVE ENDS SHALL BE SECURED TO THE HOSE ASSEMBLY END FITTINGS WITH CORROSION RESISTANT STEEL BANDS. AFTER INSTALLATION, CRACKS OR VOIDS IN THE FIRESLEEVE, WHICH EXPOSE THE FIBERGLASS, SHALL BE COATED WITH RTV SILICONE RUBBER.
- /9/ INTEGRAL ABRASION SLEEVE SHALL FORM AN INTEGRAL, PERMANENT PART OF THE HOSE AND SHALL TERMINATE A MAXIMUM OF .200 in FROM THE END OF THE COLLAR.
- /10/ FEP PER M23053/11 AND POLYOLEFIN PER AS1073-CODE STARINK ABRASION SLEEVES SHALL BE SHRUNK TO A SNUG FIT OVER THE HOSE AND END FITTING COLLARS
- /11/ ADD "AS1055 TYPE IIb CLASS B-S/P" TO IDENTIFICATION MARKING TO SHOW LEVEL OF COMPLIANCE. "FIRE-PROOF" (15 min) WITH AS1055.
- /12/ THE ENDS OF THE INTEGRAL FIRESLEEVE AND FITTING SOCKET/COLLAR MAY BE COVERED WITH A SILICONE CUFF OR MOLDED AS REQUIRED TO COMPLY WITH 1/1.
- THIS HOSE ASSEMBLY SHALL BE QUALIFIED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION AS1339. /13/ USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.
- 14. MATERIALS: HOSE AND FITTINGS - PER AS1339.
- 15. CONSTRUCTION AND PERFORMANCE: AS1339 FITTINGS SHALL BE PERMANENTLY ATTACHED TO THE HOSE.
- 16. OPERATING CHARACTERISTICS: SEE AS1339.
- DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982. 17.
- 18. DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED.
 - TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±2°.
- 19 MARKING SHALL BE FER AS1339 ON A STAINLESS STEEL BAND NOT OVER 1.0 in WIDE, OR ON THE COLLAR, THE CHARACTERS SHALL BE A MINIMUM OF .063 in HIGH. THE BAND SHALL BE SO DESIGNED AS TO REMAIN TIGHT ON THE HOSE TO PREVENT RELATIVE MOVEMENT AND RESULTANT CHAFING. IT SHALL BE OF SUFFICIENT STRENGTH TO PREVENT REMOVAL BY HAND. HOSE ASSEMBLY DATE AND "PT" SYMBOL SHALL BE ELECTROETCHED OR STAMPED ON THE BAND OR ON AN END FITTING OR A FIRESLEEVE CLAMP.
- LOCKWIRE HOLES, LOCATION, AND DIAMETER PER AS1043. LOCKWIRE HOLE DESIGNATION IS AS FOLLOWS: /20/
 - a. X = NONE
 - b. U = TWO HOLES, 180° APART
 - c. W = THREE HOLES, 120° APART