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AS1913

					HOSE OR SLEEVE OUTSIDE DIAMETERS	(MAX-MIN) /4/ 1.000		.400/1.340	.360/1.300	.500/1.375	.350/1.290	1.360/1.300	!	1.350/1.310	1.400/1.340		
	E2 MAX	.983 1.125 1.240	1.445 1.954 1.920					-	1	1	1	1		-	1		
	E2 MIN	.795 1.000 1.033	1.258 1.530 1.860		HOSE OR SLEEVE OUTSIDE DIAMETERS	(MAX-MIN) /4/ .750		.110/1.050	1.080/1.020	.250/1.125	.070/1.010	1.080/1.020	! !	1.070/1.030	1.110/1.050		
	E ₁ MAX	.550 .600 .675	.765 .874 .950		- * • •	E		=	1. (1.3	7.	1.0		1.0	1.1		
	E ₁ MIN	.450 .517 .513	.620 .760 .890		HOSE OR SLEEVE OUTSIDE DIAMETERS	(MAX-MIN) /4/ .625	;	840/.780	810/.750	1.000/.875	.790/.730	3.810/.750	;	.800/.760	862/.802		
	c HEX REF	. 56 . 69 . 88	1.00 1.25 1.50		S O IO	Ξ		89	89.	1.		130°		æ	89.		
IENS I ONS	B /2/ BALL SIZE MIN THRU DIA DIA IN	.109 .188 .313	.375 .469 .719	Z - HOSE OR SLEEVE OUTSIDE DIAMETERS	DIAMETERS	HOSE OR SLEEVE OUTSIDE DIAMETERS	(MAX-MIN) /4/ .500	:	.730/.670	6957.635	.875/2.750	. 665/.615	. 695/. 645	ļ	.695/.650	.730/.670	
AND FITTING DIMENSIONS	/2/ SIZE MIN RU DIA 19059 SH NO.	4807 4812 4816	4818 4821 4829		HOSE OR SLEEVE OUTSIDE DIAMETERS	(MAX-MIN) /4/ /375	النه	.6007.540	.550/.490	.750/.625	.540/.480	.560/.505	1	.570/.535	.600/.540		
1 - HOSE	BALL BALL THI AZ MS:	1.69 4 2.21 4 2.10 4	2.29 4 2.79 4 3.20 4		HOSE OR SLEEVE OUTSIDE DIAMETERS	(MAX-MIN) /4/ .250	1	.500/.440	.450/.390	.625/.500	. 424/.374	.450/.400	;	.490/.444	.550/.440		
TABLE	A ₁ MAX	1.90 2.35 2.50	2.70 3.15 3.50	TABLEZ		TEMP LIMIT	400	400	275	400	350	řυ	400	0	00		
	THREAD T PER MIL-S-8879 REF	4375-24UNJS-3B 5625-20UNJS-3B 7188-20UNJS-3B	.8438-180NJS-38 1.0000-160NJ-38 1.2500-140NJS-38	O '					٨					GRASION SLEEVE SHRINK-ON 275 (POLYOLEFIN AS1073 - CODE 8)	ILICONE	(11) / 12/ INTEGRAL ABRASION SLEEVE /9/ 300 (RRAIDED) POLYESTER	il /6/ 400
	SIZE REF	.250 .375 .500	.625 .750 1.000			SLEEVE MATERIAL	TES HOSE	LEEVE TU	LEEVE CO	(AS1072	LEEVE SH	LEEVE SH N AS1073	INTEGRA SEE AS17	BRASION POLYESTE	LEEVE CC 93)		
	HOSE ASSEMBLY NO. AND SIZE CODE	AS1913E AS1913G AS1913H	AS1913J AS1913K AS1913M			SLE	(-) INDICATES HOSE ONLY	ABRASION SLEEVE TUBULAR /5/	ABRASION SLEEVE COIL /6,	FIRESLEEVE (AS1072 SIL-FG)	ABRASION SLEEVE SHRINK-ON	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073 - CODE	FIRESLEEVE INTEGRAL S (15 min) (SEE AS1722)	INTEGRAL ABRASION S	ABRASION SLEEVE COIL /6/		
						SLEEVE CODE	ı	Ø	6	ပ	ш	u.	I	¥	ا		



TABLE 3 - HOSE ASSEMBLY LENGTH TOLERANCES

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE		
UNDER 18 in	(NOT LESS THAN) .125 in	±.125 in		
1B 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

HOSE OR SLEEVE			REFERENCE WEIGHT LB/IN /23/ HOSE SIZE	REFERENCE WEIGHT LB/IN /23/ HOSE SIZE	REFERENCE WEIGHT LB/IN /23/ HOSE SIZE	REFERENCE WEIGHT LB/IN /23/ HOSE SIZE	REFERENCE WEIGHT LB/IN /23/ HOSE SIZE	REFERENCE WEIGHT LB/IN /23/ HOSE SIZE
CODE	HOSE OR TYPE SLEEVE	UNITS	. 250	. 375	. 500	. 625	.750	1.000
	HOSE ONLY (SEE AS1624)	LB/IN				25		
Α	ABRASION SLEEVE (TFE-AS1291-B)	LB/IN	.003	.004	. 004	. 005	. 007	. 009
В	ABRASION SLEEVE (NYLON AS1294)	LB/IN	. 001	. 002	003	. 003	. 004	. 005
С	FIRESLEEVE (15 min) AS1072	LB/IN	. 007	.009	.011	. 012	. 017	. 021
E	ABRASION SLEEVE (FEP)	LB/IN	. 002	. 003	. 003	. 005	.006	. 007
F	ABRASION SLEEVE (AS1073B)	LB/IN	.002 3	©1003	. 003	. 004	. 005	. 006
Н	FIRESLEEVE INTEGRAL (15 min) ON HOSE (SEE AS1722)	LB/IN	,;c / ,					
K	ABRASION SLEEVE POLYESTER WITH HOSE	LB/IN	. 012	.016	. 022	. 030	. 060	. 090
L	ABRASION SLEEVE (PTFE-AS1293)	LB/IN	. 003	.004	. 005	.005	. 006	. 007
NONE	FIRESLEEVE CLAMP /23/	LB/EA	. 025	. 025	.025	.026	. 026	. 033
NONE	FITTING END (45°) /23/	LB/EA	. 060	.100	.150	. 250	.430	. 680
NONE	FITTING END (90°) /23/	LB/EA	. 065	. 095	.160	.240	. 420	.700

TABLE 5 - SLEEVE LENGTHS

LENGTH (in)
2.00 ± .25
2.50 ± .25
3.00 ± .25



AEROSPACE STANDARD

NOTES:

- LENGTH "L" IS A THREE DIGIT NUMBER OF WHICH THE FIRST TWO DIGITS DESCRIBE THE HOSE ASSEMBLY LENGTH IN /1/ WHOLE INCHES, AND THE THIRD DIGIT, THE FRACTION OF AN INCH IN EIGHTHS. LENGTH "L" IS MEASURED FROM OUTER CORNER OF SEALING SURFACE AS SHOWN IN FIGURE 1 FOR 45° FITTINGS TO THE CENTERLINE OF THE ELBOW FOR 90° FITTINGS. FOR LENGTH INCREMENTS AND TOLERANCES SEE TABLE 3.
- A TRUE CIRCULAR CROSS SECTION IS NOT REQUIRED THROUGH THE FITTING I.D. HOWEVER, THE APPLICABLE BALL /2/ DIAMETER LISTED IN TABLE 1 SHALL PASS THROUGH THE END FITTING AFTER IT IS ASSEMBLED TO THE HOSE.
- STANDARD COUPLING NUTS SHALL MATE WITH MIL-F-85421 FITTING ENDS. NONSTANDARD COUPLING NUTS MAY BE /3/ 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.
- /4/ 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).
- TUBULAR ABRASION (TFE) SLEEVES SHALL HAVE AN I.D. NO GREATER THAN HOSE O.D. +.05 in. AXIAL MOVEMENT /5/ 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. COLL 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 CHALL 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 OR 2, COLOR CLEAR.)
- /7/ THE TABLE 2 SLEEVE DIAMETERS FOR AS1072 SLEEVE APPLIES WHEN THE SLEEVE IS COMPRESSED, OR CLAMPED, TO CONTACT THE HOSE. IN THIS CASE A WRINKLE MAY OCCUR OVER THE SLEEVE CIRCUMFERENCE.
- /8/ THE CUT ENDS OF THE FIRESLEEVE SHALL BE COATED WITH RTV SILICOME 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.
- INTEGRAL ABRASION SLEEVE SHALL FORM AN INTEGRAL, PERMANENT PART OF THE HOSE AND SHALL TERMINATE A /9/ MAXIMUM OF .200 in FROM THE END OF THE COLLAR.
- FEP PER M23053/11 AND POLYOLEFIN PER AS1073-CODE B SHRINK 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 /11%
- THIS HOSE ASSEMBLY SHALL BE QUALIFIED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION AS1339. 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.
 CONSTRUCTION AND PERFORMANCE AS1339 FITTINGS SHALL BE PERMANENTLY ATTACHED TO THE HOSE. 15.
- 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°.
- MARKING SHALL 🗗 PER AS1339 ON A STAINLESS STEEL BAND NOT OVER 1.0 in WIDE, OR ON THE COLLAR, THE 19. 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.
- /20/ LOCKWIRE HOLES, LOCATION, AND DIAMETER PER AS1043. LOCKWIRE HOLE DESIGNATION IS AS FOLLOWS:

 - a. X = NONEb. U = TWO HOLES, 180° APART
 - c. W = THREE HOLES, 120° APART

