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AS1911™

RATIONALE

ADD INTEGRAL FIRESLEEVE CUFF DIMENSIONS; ADD INTEGRAL ABRASION SLEEVE "M" CODE; ADD CONFIGURATION FOR A NEW "N" CODE THIN WALL INTEGRAL FIRESLEEVE (15 MINUTE); ADD 5 MINUTE FIRESLEEVE MATERIAL CODES; REMOVED AS1624 FROM FIGURE 1; REVISED QPL NOTE PER LATEST STANDARD (NOTE 13); ADDED G SLEEVE CODE.

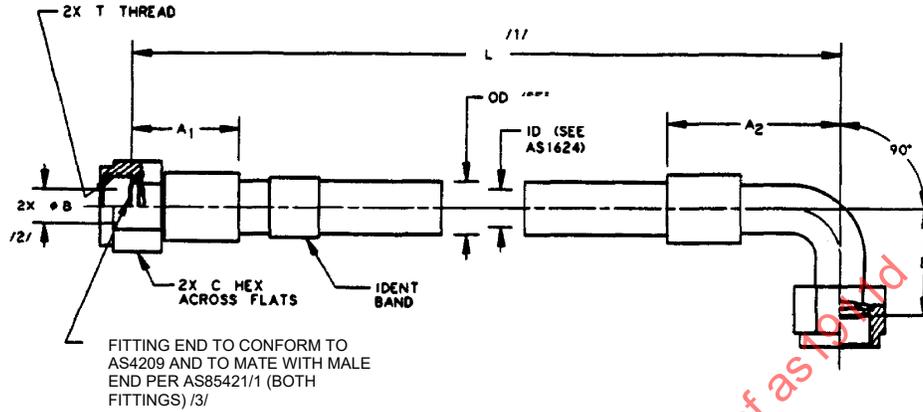


FIGURE 1 - HOSE AND FITTING DIMENSIONS

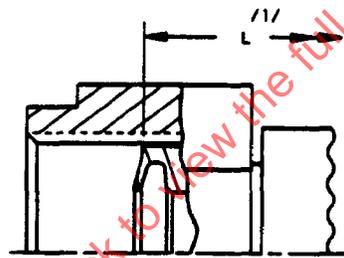


FIGURE 2 - FITTINGS
(ENLARGED VIEW)

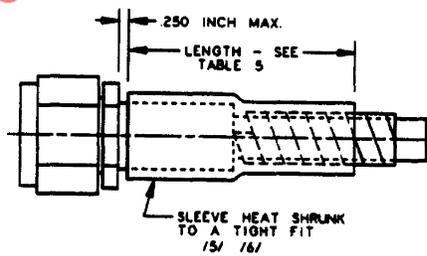
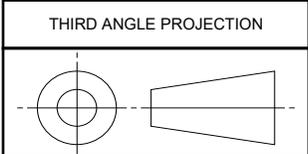


FIGURE 3 - ABRASION SLEEVE RETENTION

For more information on this standard, visit
<https://www.sae.org/standards/content/AS1911D/>



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1339 /13/



AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, CRES REINFORCED, 400 °F, 3000 PSI, LIGHTWEIGHT, BEAM SEAL, STRAIGHT TO 90°

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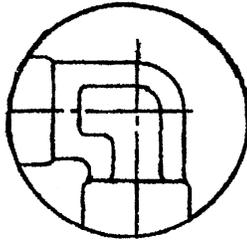


FIGURE 4 - ALTERNATE ELBOW CONFIGURATION /21/

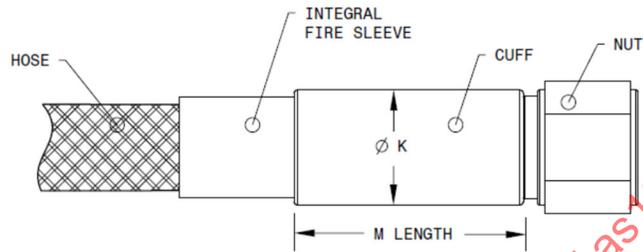


FIGURE 5 - INTEGRAL FIRESLEEVE CUFF DIMENSIONS - SEE TABLE 7 /27/

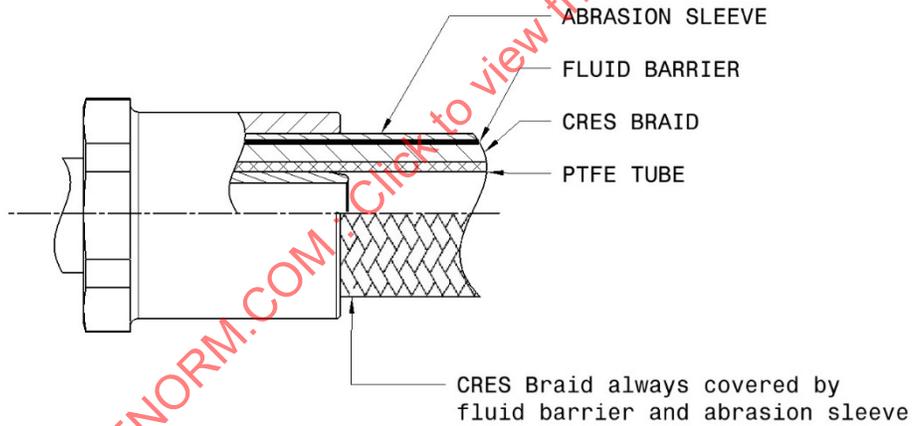


FIGURE 6 - FITTING CAPTURED INTEGRAL ABRASION SLEEVE WITH FLUID BARRIER /28/



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HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE,
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TABLE 1 - HOSE AND FITTING DIMENSIONS

HOSE ASSEMBLY AS1911 SIZE CODE	SIZE (REF)	THREAD T PER AS8879 (REF)	A ₁ MAX	A ₂ MAX	B /2/ DIA MIN	C HEX (REF)	E MIN	E MAX
04	.250	.4375-24 UNJS-3B	1.30	1.90	.135	.56	.795	.983
06	.375	.5625-20 UNJS-3B	1.44	2.21	.240	.69	1.000	1.125
08	.500	.7188-20 UNJS-3B	1.60	2.10	.340	.88	1.033	1.240
10	.625	.8438-18 UNJS-3B	1.70	2.29	.410	1.00	1.258	1.445
12	.750	1.0000-16 UNJ-3B	1.85	2.79	.510	1.125	1.530	1.954
16	1.000	1.2500-14 UNJS-3B	2.18	3.20	.760	1.50	1.795	1.920

TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETERS

SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °F	TOLE-RANCE	HOSE OR SLEEVE OUTSIDE DIAMETER					
				/4/ HOSE SIZE .250	/4/ HOSE SIZE .375	/4/ HOSE SIZE .500	/4/ HOSE SIZE .625	/4/ HOSE SIZE .750	/4/ HOSE SIZE 1.000
-	(-) INDICATES HOSE ONLY, NO SLEEVE (REFER TO AS1339)	400	MAX MIN						
A	ABRASION SLEEVE TUBULAR (TFE-AS1291-CODE B) /5/	400	MAX MIN	.500 .440	.600 .540	.730 .670	.840 .780	1.110 1.050	1.400 1.340
B	ABRASION SLEEVE COIL (NYLON AS1294) /6/	275	MAX MIN	.450 .390	.550 .490	.695 .635	.810 .750	1.080 1.020	1.360 1.300
C	FIRESLEEVE (AS1072 SIL-FG) (15 MINUTES) /7/ /8/ /11/	400	MAX MIN	.625 .500	.750 .625	.875 .750	1.000 .875	1.250 1.125	1.500 1.375
E	ABRASION SLEEVE SHRINK-ON (FEP) (AS23053/11) /10/	350	MAX MIN	.424 .374	.540 .480	.665 .615	.790 .730	1.070 1.010	1.350 1.290
F	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073 - CODE B) /10/	275	MAX MIN	.450 .400	.560 .505	.695 .645	.810 .750	1.080 1.020	1.360 1.300
G	FIRESLEEVE (AS1072 SIL-FG) (5 MINUTES) /7/ /8/ /25/	400	MAX MIN	.625 .500	.750 .625	.875 .750	1.000 .875	1.250 1.125	1.500 1.375
H	FIRESLEEVE INTEGRAL SILICONE (15 MINUTES) /11/ /12/	400	MAX MIN	.660 .600	.745 .685	.895 .835	1.005 .945	1.240 1.160	1.515 1.455
J	FIRESLEEVE INTEGRAL SILICONE (5 MINUTES) /25/ /12/	400	MAX MIN	.660 .600	.745 .685	.895 .835	1.005 .945	1.240 1.160	1.515 1.455
K	INTEGRAL ABRASION SLEEVE (BRAIDED) POLYESTER /9/	300	MAX MIN	.490 .444	.570 .535	.695 .650	.800 .760	1.070 1.030	1.350 1.310
L	ABRASION SLEEVE COIL (PTFE-AS1293) /6/	400	MAX MIN	.500 .440	.600 .540	.730 .670	.862 .802	1.110 1.050	1.400 1.340
M	FITTING CAPTURED INTEGRAL ABRASION SLEEVE (BRAIDED) WITH FLUID BARRIER /28/	275	MAX MIN	.530 .444	.610 .530	.740 .650	.870 .760	1.105 1.025	1.450 1.300
N	THIN WALL FIRESLEEVE INTEGRAL SILICONE (15 MINUTES) /11/ /12/	400	MAX MIN	.625 .490	.725 .585	.850 .715	.955 .820	1.230 1.080	1.515 1.370

TABLE 3 - HOSE ASSEMBLY LENGTH TOLERANCES

HOSE ASSEMBLY LENGTH	TOLERANCE
UNDER 18 INCHES	±.125 INCH
18 TO 36 INCHES EXCLUSIVE	±.250 INCH
36 TO 50 INCHES EXCLUSIVE	±.500 INCH
50 INCHES AND OVER	±1%

TABLE 4 - HOSE WEIGHT MAX – ALL OTHERS REF

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	UNITS	HOSE SIZE .250	HOSE SIZE .375	HOSE SIZE .500	HOSE SIZE .625	HOSE SIZE .750	HOSE SIZE 1.000
-	HOSE ONLY	LB/IN	.009	.015	.020	.027	.058	.085
A	ABRASION SLEEVE (TFE-AS1291-CODE B)	LB/IN	.003	.004	.004	.005	.007	.009
B	ABRASION SLEEVE (NYLON AS1294)	LB/IN	.001	.002	.003	.003	.004	.005
C	FIRESLEEVE (15 MINUTES) AS1072	LB/IN	.007	.009	.011	.012	.017	.021
E	ABRASION SLEEVE (FEP)	LB/IN	.002	.003	.003	.005	.006	.007
F	ABRASION SLEEVE (AS1073-CODE B)	LB/IN	.002	.003	.003	.004	.005	.006
G	FIRESLEEVE (5 MINUTES) AS1072	LB/IN	.007	.009	.011	.012	.017	.021
H	FIRESLEEVE INTEGRAL (15 MINUTES) WITH HOSE	LB/IN	.019	.027	.035	.047	.099	.117
J	FIRESLEEVE INTEGRAL (5 MINUTES) WITH HOSE	LB/IN	.019	.027	.035	.047	.099	.117
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
M	FITTING CAPTURED INTEGRAL ABRASION SLEEVE (BRAIDED) WITH FLUID BARRIER	LB/IN	.004	.005	.006	.007	.010	.015
N	THIN WALL FIRESLEEVE INTEGRAL (15 MINUTES) WITH HOSE	LB/IN	.018	.026	.034	.045	.098	.117
NONE	FIRESLEEVE CLAMP /23/	LB/EA	.025	.025	.025	.026	.026	.033
NONE	FITTING END (STRAIGHT) /23/	LB/EA	.060	.088	.142	.225	.355	.530
NONE	FITTING END (90°) /23/	LB/EA	.060	.100	.150	.250	.430	.680

TABLE 5 - SLEEVE LENGTHS

HOSE SIZE	LENGTH (INCHES)
.250/ .375	2.00 ± .25
.500/ .625	2.50 ± .25
.750/1.000	3.00 ± .25

TABLE 6 - SPHERICAL BALL SIZE FOR DETERMINING MINIMUM HOSE ASSEMBLY ID /2/

HOSE SIZE	BALL SIZE (INCHES)
04	.115
06	.204
08	.289
10	.349
12	.434
16	.646

	AEROSPACE STANDARD		AS1911™ SHEET 4 OF 6	REV. D
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