

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.

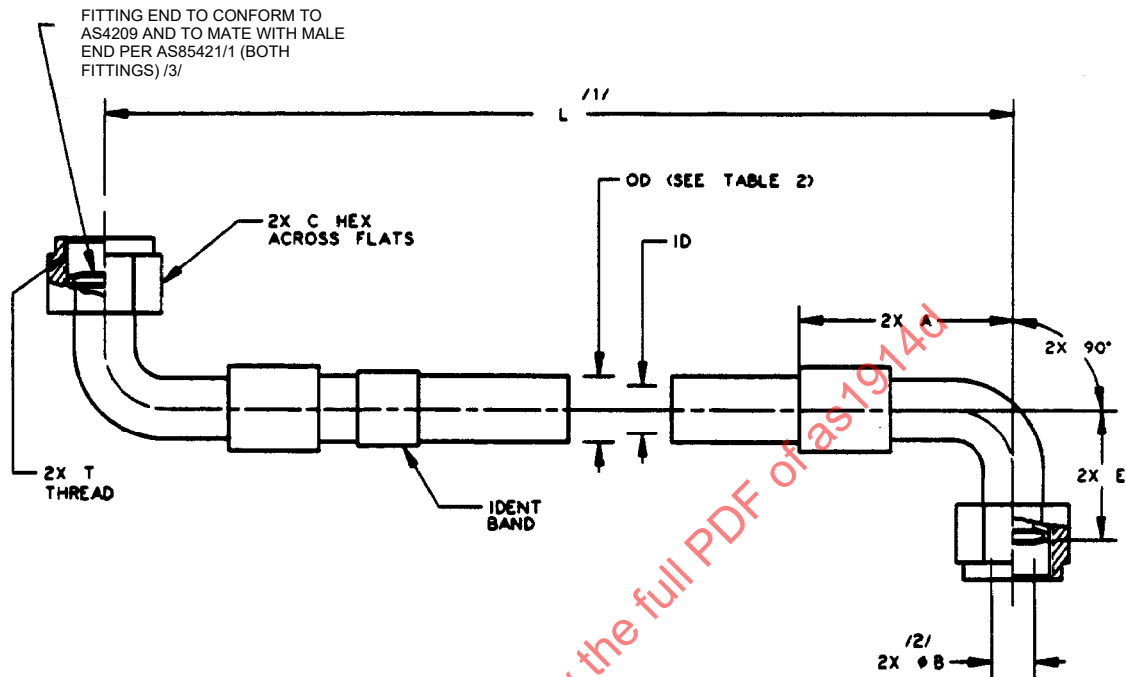


FIGURE 1 - HOSE AND FITTING DIMENSIONS

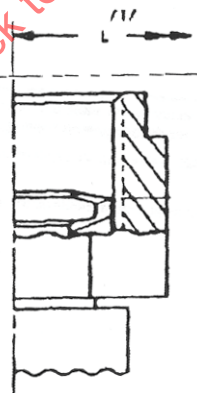
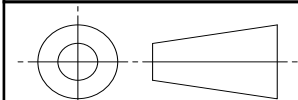


FIGURE 2 - FITTINGS
(ENLARGED VIEW)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS1914D/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1339 /13/



AEROSPACE STANDARD

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

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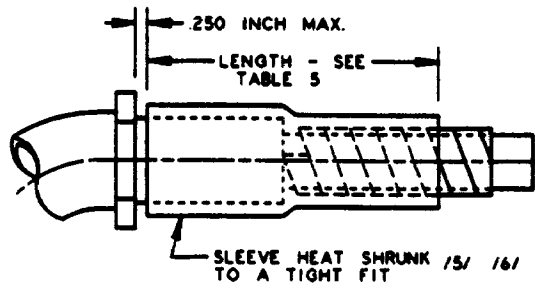


FIGURE 3 - ABRASION SLEEVE RETENTION

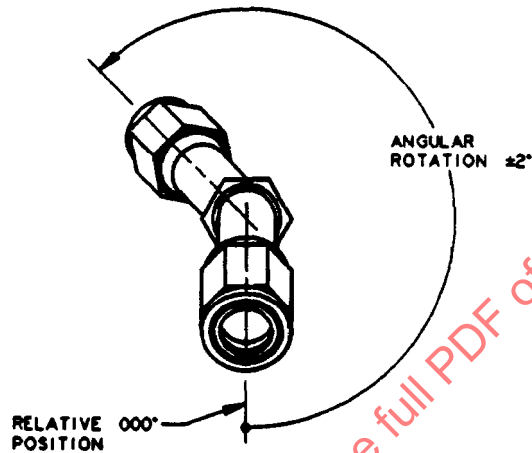


FIGURE 4 - FITTING ANGULAR ORIENTATION

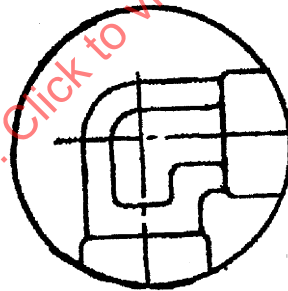


FIGURE 5 - ALTERNATE ELBOW CONFIGURATION /21/

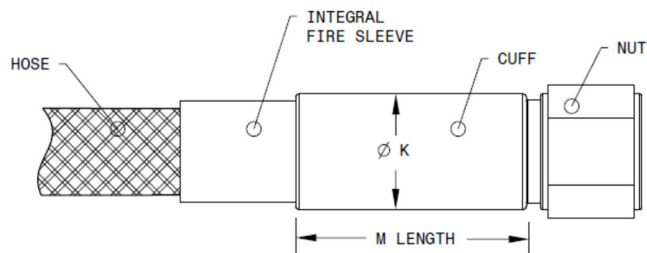


FIGURE 6 - INTEGRAL FIRESLEEVE CUFF DIMENSIONS - SEE TABLE 7 /28/

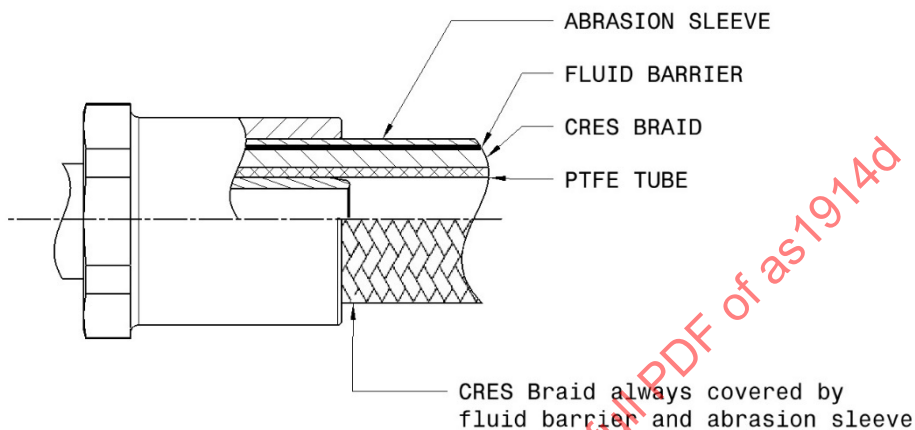


FIGURE 7 - FITTING CAPTURED INTEGRAL ABRASION SLEEVE WITH FLUID BARRIER /29/

TABLE 1 - HOSE AND FITTING ASSEMBLY

HOSE ASSEMBLY AS1914 SIZE CODE	SIZE (REF)	THREAD T PER AS8879 (REF)	A MAX	B /2/ DIA MIN	C HEX (REF)	E MIN	E MAX
E	.250	.4375-24 UNJS-3B	1.69	.135	.56	.795	.983
G	.375	.5625-20 UNJS-3B	2.21	.240	.69	1.000	1.125
H	.500	.7188-20 UNJS-3B	2.10	.340	.88	1.033	1.240
J	.625	.8438-18 UNJS-3B	2.29	.410	1.00	1.258	1.445
K	.750	1.0000-16 UNJ-3B	2.79	.510	1.125	1.530	1.954
M	1.000	1.2500-14 UNJS-3B	3.20	.760	1.50	1.795	1.920

TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETERS

SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °F	TOLERANCE	HOSE OR SLEEVE OUTSIDE DIAMETER	HOSE OR SLEEVE OUTSIDE DIAMETER	HOSE OR SLEEVE OUTSIDE DIAMETER	HOSE OR SLEEVE OUTSIDE DIAMETER	HOSE OR SLEEVE OUTSIDE DIAMETER	HOSE OR SLEEVE OUTSIDE DIAMETER
				1/4" HOSE SIZE .250	1/4" HOSE SIZE .375	1/4" HOSE SIZE .500	1/4" HOSE SIZE .625	1/4" HOSE SIZE .750	1/4" 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	FIRE SLEEVE (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	FIRE SLEEVE (AS1072 SIL-FG) (5 MINUTES) /7/ /8/ /26/	400	MAX MIN	.625 .500	.750 .625	.875 .750	1.000 .875	1.250 1.125	1.500 1.375
H	FIRE SLEEVE 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	FIRE SLEEVE INTEGRAL SILICONE (5 MINUTES) /26/ /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 /29/	275	MAX MIN	.530 .444	.610 .530	.740 .650	.870 .760	1.105 1.025	1.450 1.300
N	THIN WALL FIRE SLEEVE 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%



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CRES REINFORCED, 400 °F, 3000 PSI, LIGHTWEIGHT,
BEAM SEAL, 90 TO 90 DEGREES

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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 /24/	LB/EA	.025	.025	.025	.026	.026	.033
NONE	FITTING END (90°) /24/	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)
E	.115
G	.204
H	.289
J	.349
K	.434
M	.646

TABLE 7 - INTEGRAL FIRESLEEVE CUFF DIMENSIONS /28/

HOSE SIZE	"K" MAX (INCHES)	"M" MAX (INCHES)
E	.96	2.05
G	1.08	2.18
H	1.22	2.55
J	1.37	2.67
K	1.54	2.67
M	1.87	3.10



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