

FEDERAL SUPPLY CLASS
4720

RATIONALE

ADD CONFIGURATION FOR A NEW "N" CODE THIN WALL INTEGRAL FIRESLEEVE (15 MINUTE); ADD DRY FILM LUBE CONFIGURATION.

REV.
J

AS158™

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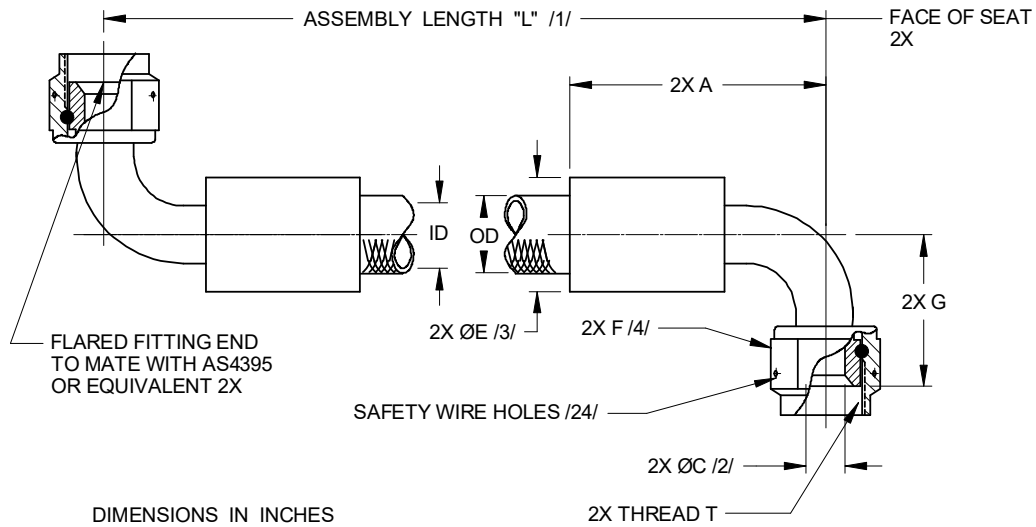


FIGURE 1 - HOSE AND FITTING DIMENSIONS

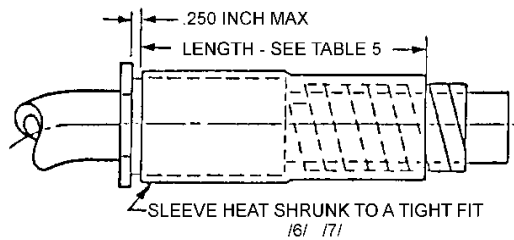


FIGURE 2 - TUBULAR/COIL ABRASION END

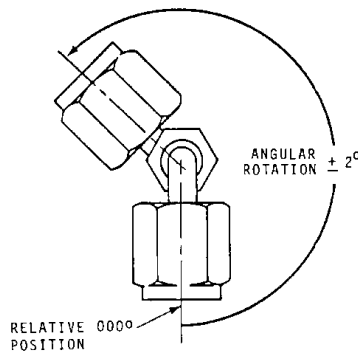
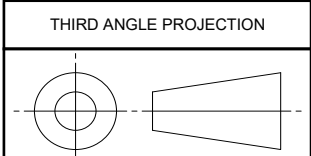


FIGURE 3 - FITTING ANGULAR ORIENTATION

For more information on this standard, visit <https://www.sae.org/standards/content/AS158/J/>



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1339 /20/



AEROSPACE STANDARD

HOSE ASSEMBLY, PTFE, CRES REINFORCED,
3000 PSI, 400 °F, 90° TO 90°,
FLARED, LIGHTWEIGHT

AS158™
SHEET 1 OF 7

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ISSUED 1979-02 REAFFIRMED 2007-07 REVISED 2021-11

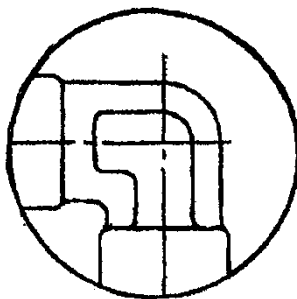


FIGURE 4 - ALTERNATE ELBOW CONFIGURATION /21/

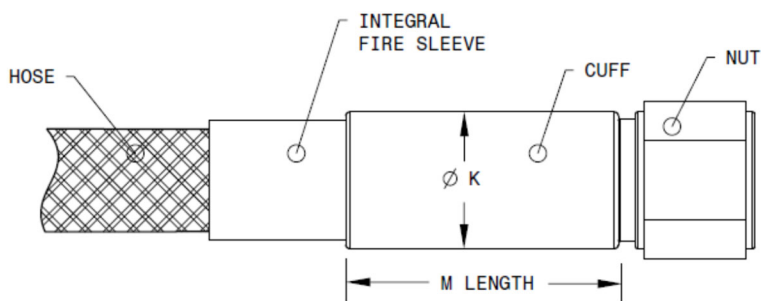


FIGURE 5 - INTEGRAL FIRESLEEVE DIMENSIONS - SEE TABLE 7 /27/

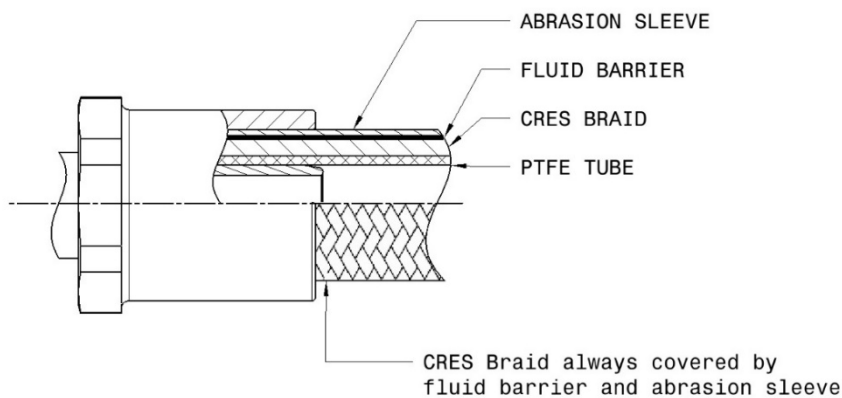


FIGURE 6 - FITTING CAPTURED INTEGRAL ABRASION SLEEVE WITH FLUID BARRIER /29/

TABLE 1 - ASSEMBLY DIMENSION

HOSE ASSEMBLY AS158 SIZE CODE	SIZE	THREAD T PER AS8879	ID MIN (REF)	A MAX	C /2/ DIA MIN	E /3/ DIA MAX WITHOUT SLEEVING	F HEX (REF)	G MIN	G MAX
E	.250	.4375-20 UNJF-3B	.212	1.75	.135	.69	.56	.615	.740
G	.375	.5625-18 UNJF-3B	.298	2.00	.240	.80	.69	.830	.920
H	.500	.7500-16 UNJF-3B	.391	2.38	.340	.97	.88	.910	1.140
J	.625	.8750-14 UNJF-3B	.485	2.81	.410	1.11	1.00	1.110	1.310
K	.750	1.0625-12 UNJ-3B	.602	3.25	.510	1.38	1.25	1.340	1.500
M	1.000	1.3125-12 UNJ-3B	.852	3.30	.760	1.66	1.50	1.805	1.865



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	HOSE ASSEMBLY, PTFE, CRES REINFORCED, 3000 PSI, 400 °F, 90° TO 90°, FLARED, LIGHTWEIGHT		

TABLE 2 - HOSE AND SLEEVE OUTSIDE DIAMETER

SLEEVE CODE	SLEEVE MATERIAL	TEMP LIMIT °F	TOLE-RANCE	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
				/5/ HOSE SIZE .250	/5/ HOSE SIZE .375	/5/ HOSE SIZE .500	/5/ HOSE SIZE .625	/5/ HOSE SIZE .750	/5/ HOSE SIZE 1.000
-	(-) INDICATES HOSE ONLY, NO SLEEVE (REFER TO AS1339)	400	MAX MIN						
A	ABRASION SLEEVE TUBULAR (TFE-AS1291-CODE B) /6/	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) /7/	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) /8/ /9/ /13/	400	MAX MIN	.625 .500	.750 .625	.875 .750	1.000 .875	1.250 1.125	1.500 1.375
D	ABRASION SLEEVE INTEGRAL SILICONE COMPOSITE /10/ /14/	350	MAX MIN	.500 .460	.600 .560	.700 .660	.830 .790	1.120 1.070	1.400 1.350
E	ABRASION SLEEVE SHRINK-ON (FEP) /11/	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) /11/	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) /8/ /9/ /12/	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) /13/ /27/	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) /12/ /27/	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 /10/	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) /7/	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 FIRSLEEVE INTEGRAL SILICONE (15 MINUTES) /13/ /27/	400	MAX MIN	.625 .490	.725 .585	.850 .715	.955 .820	1.230 1.080	1.515 1.370

TABLE 3 - ASSEMBLY LENGTH TOLERANCE

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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