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REV.
J

AS155™

FEDERAL SUPPLY CLASS
4720

RATIONALE

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

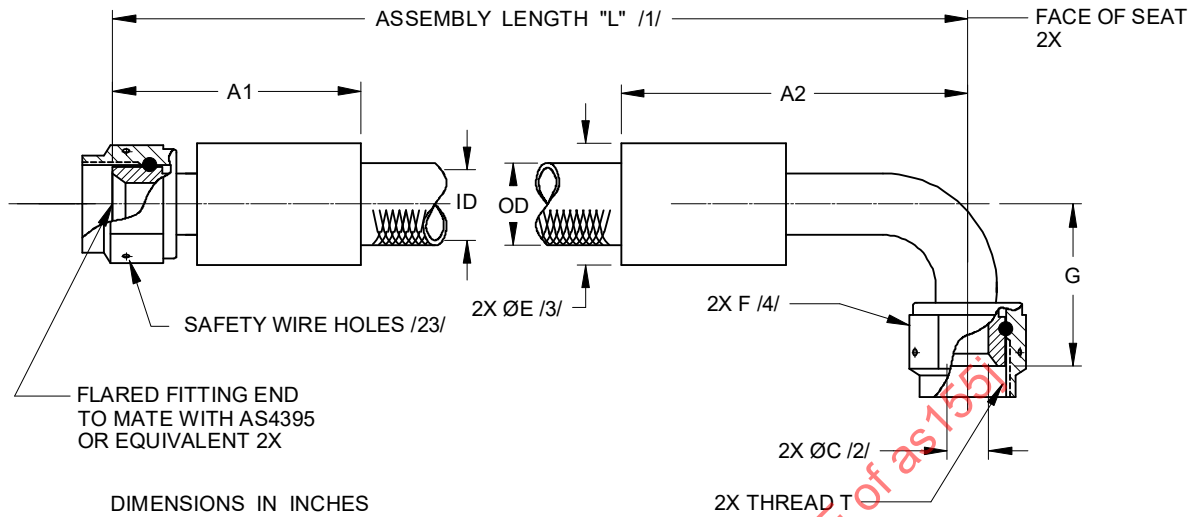


FIGURE 1 - HOSE AND FITTING DIMENSIONS

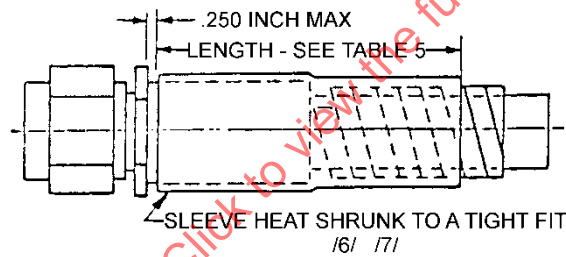


FIGURE 2 - TUBULAR/COIL ABRASION END

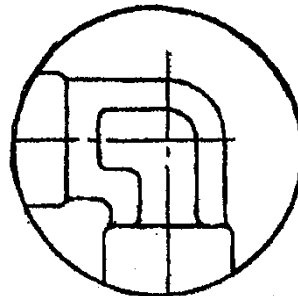
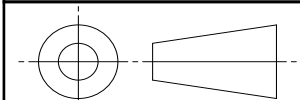


FIGURE 3 - ALTERNATE ELBOW CONFIGURATION /21/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS155J/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1339 /20/



AEROSPACE STANDARD

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

AS155™
SHEET 1 OF 6

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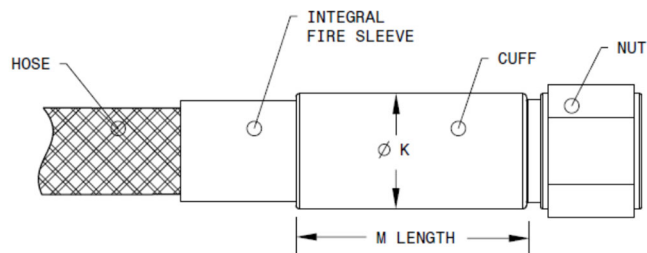


FIGURE 4 - INTEGRAL FIRESLEEVE DIMENSIONS - SEE TABLE 7 /26/

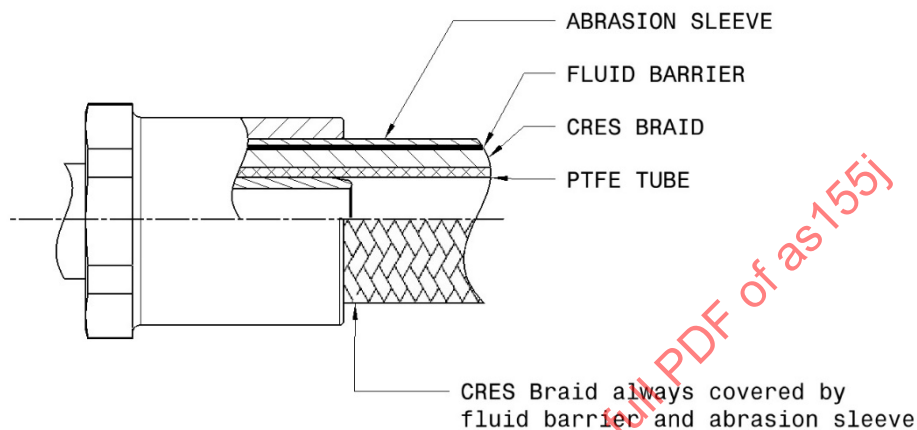


FIGURE 5 - FITTING CAPTURED INTEGRAL ABRASION SLEEVE WITH FLUID BARRIER /28/

TABLE 1 - ASSEMBLY DIMENSION

HOSE ASSEMBLY AS155 SIZE CODE	SIZE	THREAD T PER AS8879	ID MIN (REF)	A ₁ MAX	A ₂ MAX	C /2/ DIA MIN	E /3/ DIA MAX WITHOUT SLEEVING	F HEX (REF)	G MIN	G MAX
04	.250	.4375-20 UNJF-3B	.212	1.30	1.75	.135	.69	.56	.615	.740
06	.375	.5625-18 UNJF-3B	.298	1.48	2.00	.240	.80	.69	.830	.920
08	.500	.7500-16 UNJF-3B	.391	1.69	2.38	.340	.97	.88	.910	1.140
10	.625	.8750-14 UNJF-3B	.485	1.77	2.81	.410	1.11	1.00	1.110	1.310
12	.750	1.0625-12 UNJ-3B	.602	1.99	3.25	.510	1.38	1.25	1.340	1.500
16	1.000	1.3125-12 UNJ-3B	.852	2.35	3.30	.760	1.66	1.50	1.805	1.865

TABLE 2 - HOSE AND SLEEVE OUTSIDE DIAMETER

SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °F	TOLE-RANCE	HOSE OR SLEEVE OUTSIDE DIAMETER /5/ HOSE SIZE .250	HOSE OR SLEEVE OUTSIDE DIAMETER /5/ HOSE SIZE .375	HOSE OR SLEEVE OUTSIDE DIAMETER /5/ HOSE SIZE .500	HOSE OR SLEEVE OUTSIDE DIAMETER /5/ HOSE SIZE .625	HOSE OR SLEEVE OUTSIDE DIAMETER /5/ HOSE SIZE .750	HOSE OR SLEEVE OUTSIDE DIAMETER /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/ /26/	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/ /26/	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 /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) /13/ /26/	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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	HOSE ASSEMBLY, PTFE, CRES REINFORCED, 3000 PSI, 400 °F, STRAIGHT TO 90°, FLARED, LIGHTWEIGHT		

TABLE 4 - HOSE WEIGHT MAX - ALL OTHERS REFERENCE

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	UNITS	MAXIMUM WEIGHT HOSE SIZE .250	MAXIMUM WEIGHT HOSE SIZE .375	MAXIMUM WEIGHT HOSE SIZE .500	MAXIMUM WEIGHT HOSE SIZE .625	MAXIMUM WEIGHT HOSE SIZE .750	MAXIMUM WEIGHT 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	FIRE SLEEVE (15 MINUTES) AS1072	LB/IN	.007	.009	.011	.012	.017	.021
D	ABRASION SLEEVE INTEGRAL WITH HOSE	LB/IN	.012	.016	.024	.034	.067	.110
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	FIRE SLEEVE (5 MINUTES) AS1072	LB/IN	.007	.009	.011	.012	.017	.021
H	FIRE SLEEVE INTEGRAL (15 MINUTES) WITH HOSE	LB/IN	.019	.027	.035	.047	.099	.117
J	FIRE SLEEVE 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 FIRE SLEEVE INTEGRAL (15 MINUTES) WITH HOSE	LB/IN	.018	.026	.034	.045	.098	.117
NONE	FIRE SLEEVE CLAMP	LB/EA	.025	.025	.025	.026	.026	.026
NONE	FITTING END (HOSE SIZE - STRAIGHT) /29/	LB/EA	.063	.106	.181	.260	.438	.650
NONE	FITTING END (HOSE SIZE - 90°) /29/	LB/EA	.075	.121	.207	.306	.584	.840

TABLE 5 - SLEEVE LENGTH

HOSE SIZE	LENGTH (INCHES)
04	
06	2.00 ± .25
08	
10	2.50 ± .25
12	
16	3.00 ± .25

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

HOSE SIZE	STRAIGHT FITTING (INCH)	ELBOW FITTING (INCH)
04	.122	.115
06	.216	.204
08	.306	.289
10	.369	.349
12	.459	.434
16	.684	.646

TABLE 7 - INTEGRAL FIRE SLEEVE CUFF DIMENSIONS /26/

HOSE SIZE	"K" MAX (INCHES)	"M" MAX (INCHES)
04	.96	2.05
06	1.08	2.18
08	1.22	2.55
10	1.37	2.67
12	1.54	2.67
16	1.87	3.10

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