

REV.
K

AS116™

FEDERAL SUPPLY CLASS
4720

RATIONALE

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

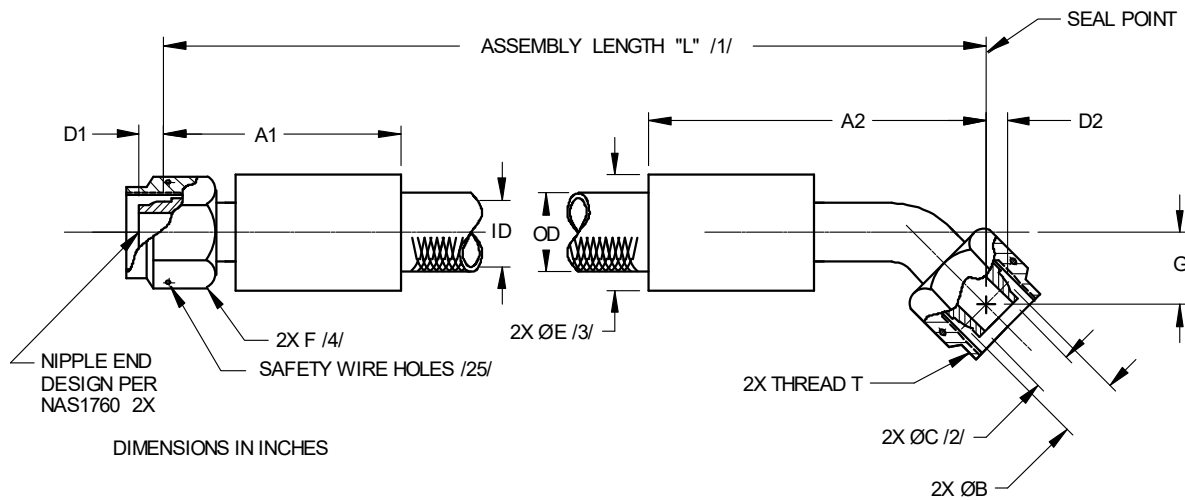


FIGURE 1 - HOSE AND FITTING DIMENSIONS

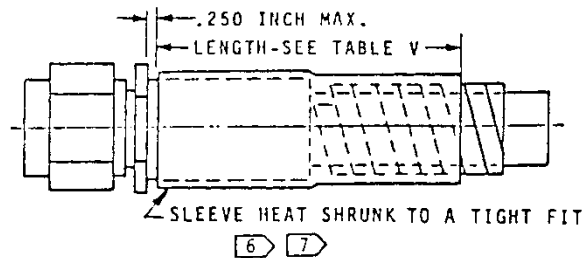


FIGURE 2 - TUBULAR/COIL ABRASION END

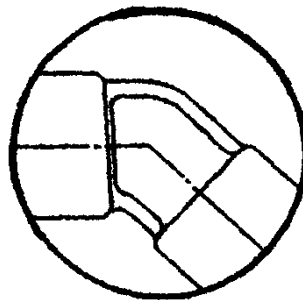
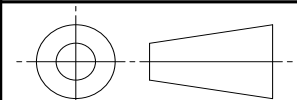


FIGURE 3 - ALTERNATE ELBOW CONFIGURATION /21/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS116K>

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 45°,
FLARELESS, LIGHTWEIGHT

AS116™
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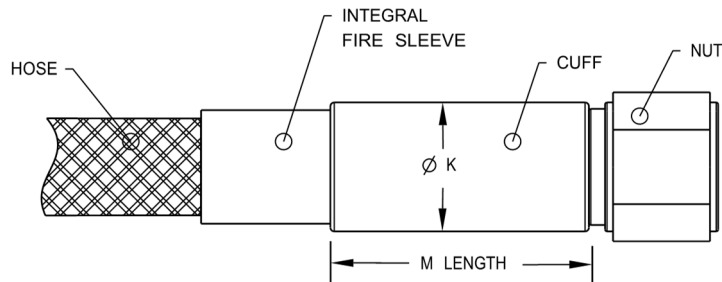


FIGURE 4 - INTEGRAL FIRESLEEVE CUFF DIMENSIONS - SEE TABLE 6 /29/

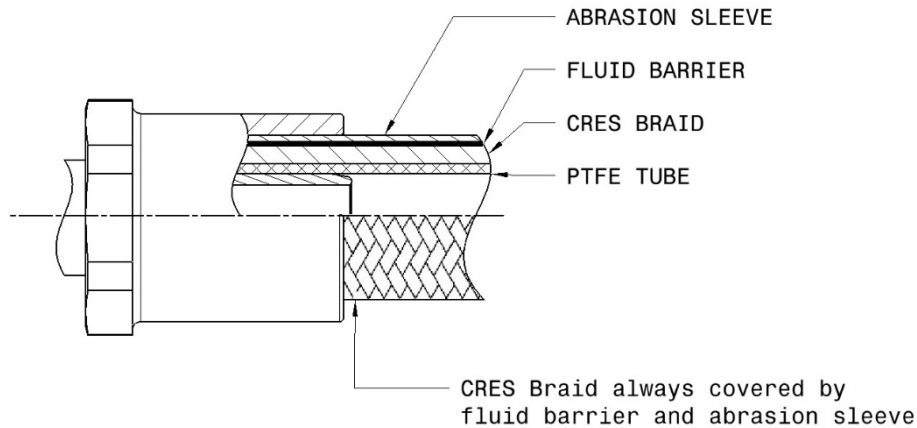


FIGURE 5 - FITTING CAPTURED INTEGRAL ABRASION SLEEVE WITH FLUID BARRIER /30/

TABLE 1 - DIMENSIONS (ALL JUMP SIZES ARE NEW)

HOSE ASSEMBLY NO. & SIZE /26/	HOSE SIZE (REF)	FITTING TYPE (REF)	FITTING MATL	THREAD T PER AS8879 (REF)	HOSE ID MIN (REF)	A1 MAX	A2 MAX	B GAGE DIA BASIC	C BALL DIA /2/	D1 (REF)	D2 (REF)	E MAX WITHOUT SLEEVEING /3/	F HEX (REF)	G MIN	G MAX
AS116-04	.250	R (-03)	CRES	.3750-24UNJF-3B	.212	1.53	2.12	.2340	.095	.14	.10	.69	.50	.31	.54
AS116-04	.250	S	CRES	.4375-20UNJF-3B	.212	1.56	2.12	.2930	.115	.16	.11	.69	.56	.31	.50
AS116-04	.250	E (-06)	CRES	.5625-18UNJF-3B	.212	1.75	2.44	.4120	.115	.16	.12	.69	.69	.44	.66
AS116-06	.375	R (-04)	CRES	.4375-20UNJF-3B	.298	1.60	2.12	.2930	.115	.16	.11	.80	.56	.38	.62
AS116-06	.375	S	CRES	.5625-18UNJF-3B	.298	1.75	2.44	.4120	.204	.16	.12	.80	.69	.44	.62
AS116-06	.375	E (-08)	CRES	.7500-16UNJF-3B	.298	2.00	2.75	.5600	.204	.19	.13	.83	.88	.50	.75
AS116-08	.500	R (-06)	CRES	.5625-18UNJF-3B	.391	1.80	2.62	.4120	.204	.16	.12	.97	.69	.50	.75
AS116-08	.500	S	CRES	.7500-16UNJF-3B	.391	2.00	2.75	.5600	.289	.19	.13	.97	.88	.50	.75
AS116-08	.500	E (-10)	CRES	.8750-14UNJF-3B	.391	2.25	3.25	.6730	.289	.20	.14	.97	1.00	.56	.83
AS116-10	.625	R (-08)	CRES	.7500-16UNJF-3B	.485	2.12	3.07	.5600	.289	.19	.13	1.11	.88	.56	.81
AS116-10	.625	S	CRES	.8750-14UNJF-3B	.485	2.25	3.25	.6730	.349	.20	.14	1.11	1.00	.56	.81
AS116-10	.625	E (-12)	CRES	1.0625-12UNJ-3B	.485	2.50	3.75	.8100	.349	.23	.16	1.24	1.25	.62	.88
AS116-12	.750	R (-10)	CRES	.8750-14UNJF-3B	.602	2.32	3.50	.6730	.349	.20	.14	1.38	1.00	.62	.88
AS116-12	.750	S	CRES	1.0625-12UNJ-3B	.602	2.50	3.75	.8100	.434	.23	.16	1.38	1.25	.62	.88
AS116-12	.750	E (-16)	CRES	1.3125-12UNJ-3B	.602	3.00	4.50	1.0620	.434	.30	.21	1.38	1.50	.79	1.14
AS116-16	1.000	R (-12)	CRES	1.0625-12UNJ-3B	.852	2.50	3.75	.8100	.434	.23	.16	1.66	1.25	.72	1.09
AS116-16	1.000	S	CRES	1.3125-12UNJ-3B	.852	3.00	4.50	1.0620	.646	.30	.21	1.66	1.50	.81	1.09
AS116-16	1.000	E (-20)	CRES	1.6250-12UNJ-3B	.852	3.25	4.60	1.3160	.646	.30	.22	1.79	1.81	1.57	1.63



AEROSPACE STANDARD

HOSE ASSEMBLY, PTFE, CRES REINFORCED,
3000 PSI, 400 °F, STRAIGHT TO 45°,
FLARELESS, LIGHTWEIGHT

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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/	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/	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 /30/	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/	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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