

FEDERAL SUPPLY CLASS
4720

RATIONALE

REVISED SPHERICAL BALL SIZE REQUIREMENTS TO ELIMINATE THE STRAIGHT FITTINGS BALL SIZE.

REV.
B

AS5961™

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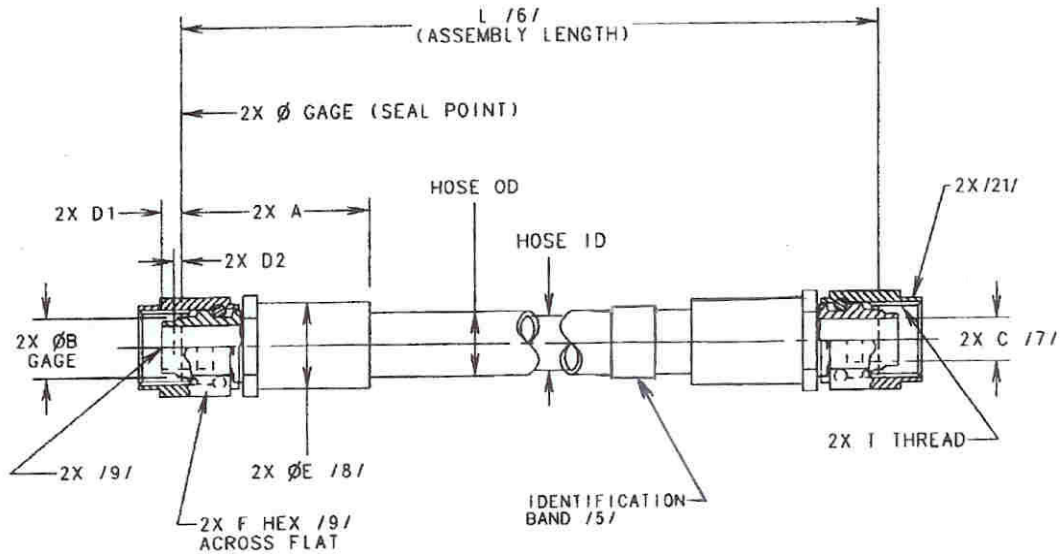


FIGURE 1 - HOSE ASSEMBLY DIMENSIONS

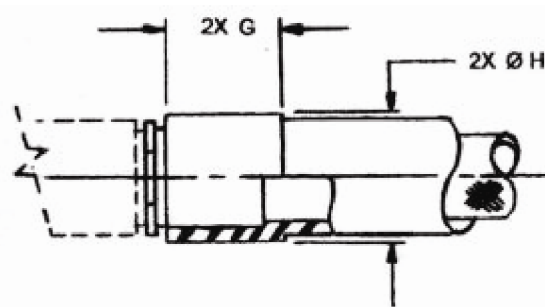
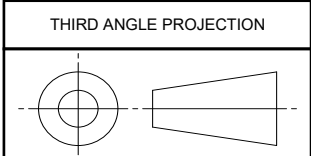


FIGURE 2 - INTEGRAL FIRESLEEVE CUFF / 13 /

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CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS5960 / 2 /



AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE
CRES BRAID REINFORCED, 400 °F, 5080 PSI
FLARELESS, STRAIGHT TO STRAIGHT

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ISSUED 2004-12 REVISED 2021-04

TABLE 1 - HOSE ASSEMBLY DIMENSIONS


HOSE ASSEMBLY AS5961 SIZE CODE	HOSE SIZE	FITTING TYPE /17/	THREAD T PER AS8879	A MAX	ØB GAGE BASIC	C HEX	(D1) /9/	(D2) /9/	ØE /8/ MAX	BALL SIZE MIN THRU IN /7/
E	.250	--	--	--	--	--	--	--	--	--
E	.250	S	.4375-28UNJEF-3B	2.64	.2930	.56	.16	.055	.88	.113
E	.250	E	.5625-24UNJEF-3B	2.74	.4120	.69	.16	.055	.88	.113
G	.375	R	.4375-28UNJEF-3B	2.90	.2930	.56	.16	.055	1.00	.113
G	.375	S	.5625-24UNJEF-3B	2.94	.4120	.69	.16	.055	1.00	.192
G	.375	E	.7500-20UNJEF-3B	3.07	.5600	.88	.19	.066	1.00	.192
H	.500	R	.5625-24UNJEF-3B	3.19	.4120	.69	.16	.055	1.20	.192
H	.500	S	.7500-20UNJEF-3B	3.32	.5600	.88	.19	.066	1.20	.281
H	.500	E	.8750-20UNJEF-3B	3.39	.6730	1.00	.20	.066	1.20	.281
J	.625	R	.7500-20UNJEF-3B	3.55	.5600	.88	.19	.066	1.41	.281
J	.625	S	.8750-20UNJEF-3B	3.62	.6730	1.00	.20	.066	1.41	.349
J	.625	E	1.0625-18UNJEF-3B	3.87	.8100	1.25	.23	.066	1.41	.349
K	.750	R	.8750-20UNJEF-3B	3.89	.6730	1.00	.20	.066	1.69	.349
K	.750	S	1.0625-18UNJEF-3B	3.95	.8100	1.25	.23	.066	1.69	.434
K	.750	E	1.3125-16UNJ-3B	4.06	1.0620	1.50	.30	.066	1.69	.434
M	1.000	R	1.0625-18UNJEF-3B	4.42	.8100	1.25	.23	.066	2.00	.434
M	1.000	S	1.3125-16UNJ-3B	4.54	1.0620	1.50	.30	.066	2.00	.638
M	1.000	E	1.6250-16UNJ-3B	4.64	1.3160	1.81	.30	.066	2.00	.638
N	1.250	--	--	--	--	--	--	--	--	--
N	1.250	S	1.6250-16UNJ-3B	4.72	1.3160	1.81	.30	--	2.25	.786
N	1.250	--	--	--	--	--	--	--	--	--

TABLE 2 - HOSE AND SLEEVE OUTSIDE DIAMETER /10/

SLEEVE CODE	SLEEVE MATERIAL	TEMP LIMIT °F	TOLER- ANCE	SIZE .250	SIZE .375	SIZE .500	SIZE .625	SIZE .750	SIZE 1.000	SIZE 1.250
-	(-) INDICATES HOSE ONLY NO SLEEVE (REFER TO AS5960) REF	400 °F	MAX MIN	.510 .450	.620 .560	.760 .700	.960 .835	1.120 .995	1.430 1.305	1.685 1.560
C	FIRE SLEEVE (AS1072 SIL-FG) (15 MIN) /11/ /12/ /14/	400 °F	MAX MIN	.970 .810	1.090 1.000	1.220 1.060	1.500 1.260	1.590 1.470	1.950 1.780	2.190 1.940
F	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073-CODE B) /16/	275 °F	MAX MIN	.560 .480	.700 .590	.910 .760	1.045 .895	1.205 1.080	1.530 1.370	1.785 1.660
H	FIRE SLEEVE, INTEGRAL SILICONE (15 MIN) /14/	400 °F	MAX MIN	.815 .755	.940 .880	1.060 1.000	1.200 1.075	1.420 1.295	1.740 1.615	2.000 1.875
K	INTEGRAL ABRASION SLEEVE (BRAIDED POLYESTER) /15/	300 °F	MAX MIN	.590 .530	.710 .650	.860 .735	1.065 .885	1.205 1.130	1.530 1.405	1.815 1.690

TABLE 3 - HOSE 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%

	AEROSPACE STANDARD	AS5961™ SHEET 2 OF 5	REV. B
	HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE CRES BRAID REINFORCED, 400 °F, 5080 PSI FLARELESS, STRAIGHT TO STRAIGHT		