

REV.
C

SAE AS626

FEDERAL SUPPLY CLASS
4720

RATIONALE

AS626C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

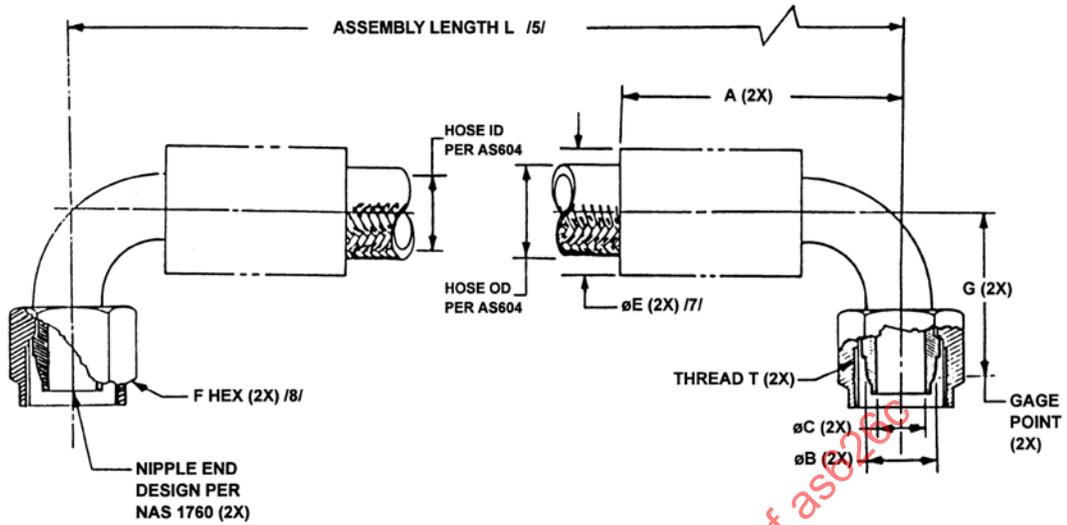


FIGURE 1 - HOSE AND FITTING DIMENSIONS

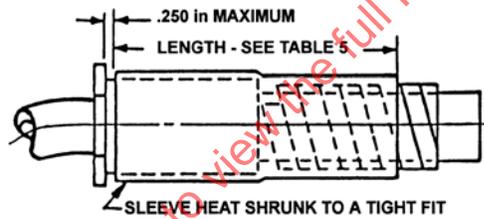


FIGURE 2 - TUBULAR/COIL ABRASION END /9/ /10/

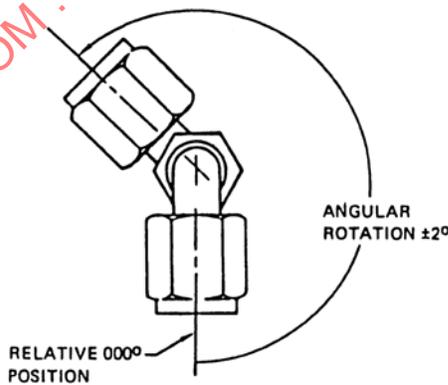
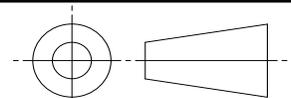


FIGURE 3 - FITTING ANGULAR ORIENTATION /18/

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS604 /2/

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

HOSE ASSEMBLY, 3000 psi, PTFE, FLARELESS,
90° TO 90°, HEAVYWEIGHT

SAE AS626
SHEET 1 OF 6

REV. C

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TABLE 1 - ASSEMBLY DIMENSIONS

HOSE ASSEMBLY AS626 SIZE CODE	HOSE ASSEMBLY SIZE (REF)	THREAD T PER AS8879 (REF)	A MAX	B GAGE BASIC	C /6/ MIN	E MAX WITHOUT SLEEVING	F HEX (REF)
E	.250	.4375-20 UNJF-3B	1.58	.2930	.135	.88	.56
G	.375	.5625-18 UNJF-3B	1.80	.4120	.240	1.00	.69
H	.500	.7500-16 UNJF-3B	2.40	.5600	.340	1.20	.88
J	.625	.8750-14 UNJF-3B	3.04	.6730	.410	1.41	1.00
K	.750	1.0625-12 UNJ-3B	3.35	.8100	.510	1.69	1.25
M	1.00	1.3125-12 UNJ-3B	4.26	1.0620	.760	2.00	1.50
N	1.25	1.6250-12 UNJ-3B	4.72	1.3160	.925	2.13	2.00

TABLE 1 (CONTINUED)

HOSE ASSEMBLY AS626 SIZE CODE	HOSE ASSEMBLY SIZE (REF)	G MIN	G MAX	INSPECTION BALL SIZE /6/ DIA IN
E	.250	.69	.88	.115
G	.375	.88	1.09	.204
H	.500	1.00	1.31	.289
J	.625	1.19	1.50	.349
K	.750	1.38	1.75	.434
M	1.00	1.69	2.06	.646
N	1.25	2.51	2.57	.786

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TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETER /13/

SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °F	HOSE SIZE						
			.250	.375	.500	.625	.750	1.00	1.25
NONE	(-) INDICATES HOSE ONLY, NO SLEEVE	400	.455	.595	.735	.935	1.090	1.410	1.650
			.395	.535	.675	.875	1.030	1.350	1.590
A	ABRASION SLEEVE TUBULAR (TFE-AS1291-CODE B) /9/	400	.540	.715	.855	1.025	1.195	1.515	1.825
			.468	.635	.770	.960	1.125	1.445	1.755
B	ABRASION SLEEVE COIL (NYLON AS1294) /10/	275	.509	.684	.809	1.005	1.170	1.492	1.750
			.413	.584	.733	.923	1.088	1.408	1.690
C	FIRESLEEVE (AS1072 SIL-FG) (15 min) /11/ /12/ /17/	400	.688	.875	1.000	1.250	1.375	1.750	2.000
			.562	.750	.875	1.125	1.250	1.625	1.875
E	ABRASION SLEEVE SHRINK-ON (FEP) /15/	350	.458	.638	.773	.973	1.148	1.438	1.688
			.417	.592	.727	.927	1.102	1.392	1.632
F	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073 - CODE B) /15/	275	.490	.670	.795	.997	1.174	1.482	1.740
			.440	.610	.745	.937	1.112	1.428	1.680
G	FIRESLEEVE (AS1072 SIL-FG) (5 min) /11/ /12/ /16/	400	.688	.875	1.000	1.250	1.375	1.750	2.000
			.562	.750	.875	1.125	1.250	1.625	1.875
H	FIRESLEEVE INTEGRAL SILICONE (15 min) /17/	400	.700	.880	1.000	1.203	1.343	1.656	1.906
			.640	.820	.940	1.143	1.283	1.596	1.846
J	FIRESLEEVE INTEGRAL SILICONE (5 min) /16/	400	.705	.880	1.005	1.217	1.382	1.748	1.906
			.645	.820	.945	1.143	1.280	1.593	1.846
K	INTEGRAL ABRASION SLEEVE (BRAIDED) POLYESTER /14/	300	.505	.675	.795	.985	1.150	1.470	1.720
			.480	.645	.765	.955	1.120	1.440	1.680
L	ABRASION SLEEVE COIL (PTFE-AS1293) /10/	400	.522	.692	.817	1.007	1.172	1.492	1.750
			.449	.622	.747	.937	1.102	1.422	1.690

TABLE 3 - ASSEMBLY LENGTH TOLERANCE

HOSE ASSEMBLY LENGTH	TOLERANCE
UNDER 18 in	±.125 in
18 TO 36 in EXCLUSIVE	±.250 in
36 TO 50 in EXCLUSIVE	±.500 in
50 in AND OVER	±1%

TABLE 4 - WEIGHTS (NOMINAL)

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	UNITS	HOSE						
			SIZE						
NONE	HOSE ONLY	LB/IN	.012	.028	.040	.062	.086	.140	.154
A	ABRASION SLEEVE (TFE-AS1291-CODE B)	LB/IN	.003	.004	.004	.005	.007	.009	.011
B	ABRASION SLEEVE (NYLON AS1294)	LB/IN	.001	.002	.003	.003	.004	.005	.007
C	FIRESLEEVE (15 min) AS1072	LB/IN	.007	.010	.011	.015	.017	.021	.025
E	ABRASION SLEEVE (FEP)	LB/IN	.002	.003	.003	.005	.006	.007	.009
F	ABRASION SLEEVE (AS1073-CODE B)	LB/IN	.002	.003	.003	.004	.005	.006	.008
G	FIRESLEEVE (5 min) AS1072	LB/IN	.007	.010	.011	.015	.017	.021	.025
H	FIRESLEEVE INTEGRAL (15 min) ON HOSE	LB/IN	.022	.042	.056	.081	.102	.154	.190
J	FIRESLEEVE INTEGRAL (5 min) ON HOSE	LB/IN	.022	.042	.056	.081	.102	.154	.190
K	ABRASION SLEEVE POLYESTER WITH HOSE	LB/IN	.013	.028	.039	.060	.082	.130	.160
L	ABRASION SLEEVE (PTFE-AS1293)	LB/IN	.003	.004	.005	.005	.006	.007	.009
NONE	FIRESLEEVE CLAMP (*)	LB/EA	.020	.020	.025	.026	.026	.033	.038
NONE	FITTING END (90°) (*)	LB/EA	.078	.136	.233	.327	.615	.945	1.710

(*) NOTE: FIRESLEEVE CLAMP AND FITTING END ARE IN POUNDS EACH.

TABLE 5 - SLEEVE LENGTH

HOSE SIZE	LENGTH (INCHES)
.250	2.00 ± .25
.375	
.500	2.50 ± .25
.625	
.750	3.00 ± .25
1.00	
1.25	3.50 ± .25