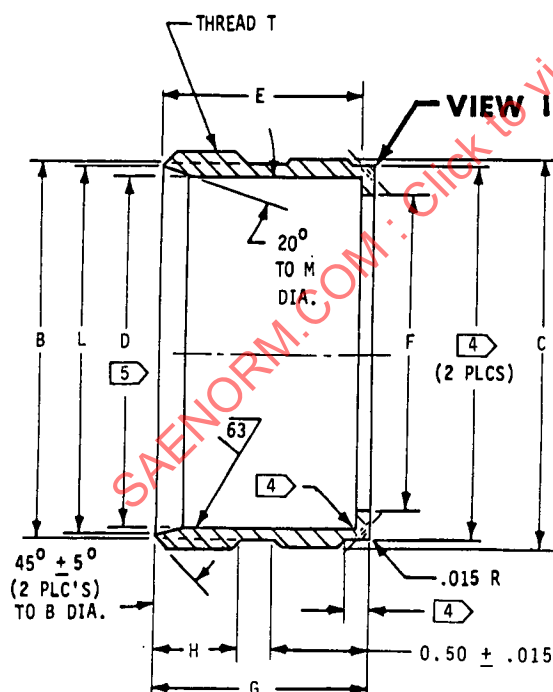
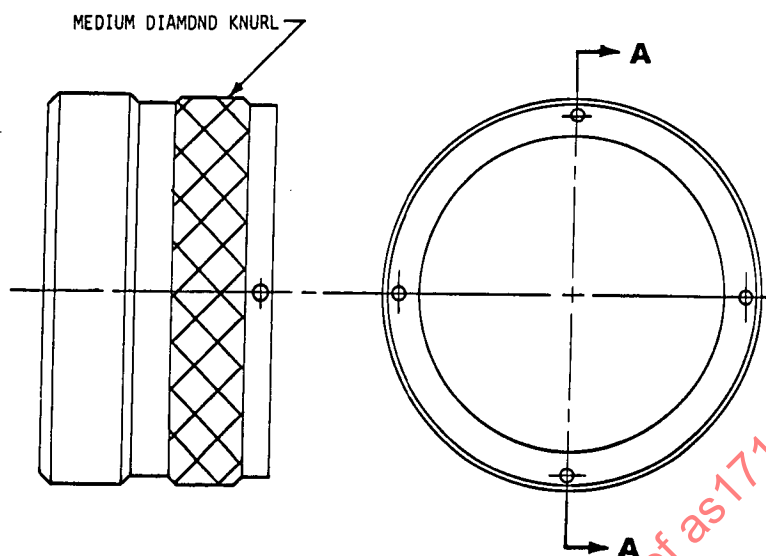
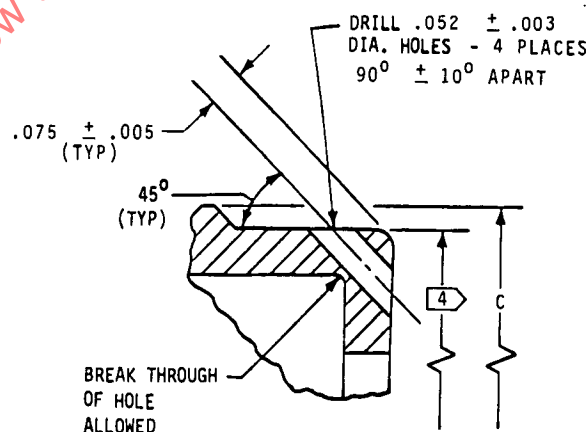


AS1718

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SECTION A-A



VIEW I

PROCUREMENT SPECIFICATION

1	REV A	2	REV A	3	---
LIST OF ACTIVE SHEETS					

TOLERANCE: $\pm .010$; ANGLES, $\pm 2^\circ$, UNLESS OTHERWISE SPECIFIED

PREPARED BY SAE COMMITTEE G-3, AEROSPACE FITTINGS, HOSE AND TUBING ASSEMBLIES

SAE The Engineering
Resource For
Advancing Mobility

400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096

AEROSPACE STANDARD

COUPLING BODY, FLEXIBLE, VARIABLE CAVITY,
THREADED FERRULE TYPE TUBE ENDS

AS1718 SH 1 OF 3

COUPLING BODY DIMENSIONS AND WEIGHTS

AS1718 DASH NO.	TUBE SIZE (REF)	THREAD T PER MIL-S-7742	B DIA. 1	C KNURL DIA. MAX.	D 2 DIA. +.004 -.000	E +.010 -.000	F DIA. +.010 -.000	G +.000 -.010	H +.015	L 3	WT. MAX. LBS
08	1/2	1-12 UNF-2A	.884	.919	.800	.790	.693	.875		.837	.012
10	5/8	1 1/8-12 UNF-2A	1.009	1.044	.925	.790	.818	.875		.962	.013
12	3/4	1 3/8-12 UNF-2A	1.259	1.254	1.135	.932	.998	1.017	.312	1.187	.021
16	1	1 5/8-12 UN-2A	1.509	1.514	1.395	.992	1.274	1.078		1.447	.026
20	1 1/4	1 7/8-12 UN-2A	1.759	1.764	1.645	.992	1.524	1.078		1.697	.031
24	1 1/2	2 1/4-12 UN-2A	2.134	2.133	2.014	1.176	1.794	1.265		2.066	.045
28	1 3/4	2 1/2-12 UN-2A	2.384	2.383	2.264	1.176	2.044	1.265	.375	2.316	.052
32	2	2 7/8-12 UN-2A	2.739	2.673	2.524	1.176	2.317	1.255		2.586	.092
36	2 1/4	3 1/8-12 UN-2A	2.993	2.923	2.774	1.176	2.567	1.255		2.836	.099
40	2 1/2	3 1/4-12 UN-2A	3.114	3.173	3.023	1.176	2.817	1.255		3.086	.082
48	3	3 3/4-12 UN-2A	3.614	3.656	3.506	1.176	3.317	1.255		3.569	.099
56	3 1/2	4 1/4-12 UN-2A	4.114	4.156	4.006	1.248	3.829	1.360	.500	4.069	.121
64	4	4 3/4-12 UN-2A	4.613	4.665	4.515	1.274	4.338	1.366		4.578	.132
72	4 1/2	5 1/2-12 UN-2A	5.363	5.282	5.132	1.432	4.839	1.524		5.215	.216
80	5	6-12 UN-2A	5.863	5.802	5.626	1.662	5.339	1.772		5.710	.283
88	5 1/2	6 3/8-12 UNS-2A	6.238	6.302	6.126	1.645	5.839	1.755		6.190	.270

DIMENSIONS IN INCH

FLAG NOTES:

- 1 TOLERANCE FOR SIZES 08 THROUGH 28 IS $\pm .005$ AND FOR SIZES 32 THROUGH 88 IS $\pm .010$.
- 2 TOLERANCE FOR SIZES 08 THROUGH 36 IS $+.004/- .000$, FOR SIZES 40 THROUGH 64 IS $+.006/- .000$ AND FOR SIZES 72 THROUGH 88 IS $+.007/- .000$.
- 3 TOLERANCE FOR SIZE 08 THROUGH 28 IS $+.010/- .000$ AND FOR SIZES 32 THROUGH 88 IS $\pm .010$.
- 4 SPECIFIC DIMENSIONS AND TOLERANCES ARE SPECIFIED AND CONTROLLED BY THE MANUFACTURER. THE MANUFACTURER IS RESPONSIBLE TO ENSURE COMPATIBILITY WITH THE ASSEMBLY AND COMPLIANCE WITH THE REQUIREMENTS IN AS 1710.
- 5 ALL DIAMETERS SHALL BE CONCENTRIC WITH THIS SURFACE WITHIN .005 FIM.

PROCUREMENT SPECIFICATION: THESE COUPLING BODIES SHALL MEET THE CONSTRUCTION AND PERFORMANCE REQUIREMENTS OF AS 1710.

RATED OPERATING CHARACTERISTICS: (SEE AS 1710)

MATERIALS AND FINISH: ALUMINUM ALLOY 2024-T6 IN ACCORDANCE WITH QQ-A-225/6
2024-T851 IN ACCORDANCE WITH QQ-A-225/6

ANODIC COATING IN ACCORDANCE WITH MIL-A-8625, TYPE II, CLASS 2

SURFACE TEXTURE: 125 MICROINCHES R_a MAXIMUM UNLESS OTHERWISE SPECIFIED. SEE ANSI B46.1.

MARKING: COUPLING BODIES SHALL BE INK STAMPED, 1/16 INCH OR LARGER LETTERS, WITH THE MANUFACTURER'S NAME, TRADEMARK OR FSCM NUMBER, COMPLETE "AS" NUMBER AND DATE OF MANUFACTURE IN QUARTERS (1Q80 = FIRST QUARTER 1980).

AEROSPACE STANDARD

COUPLING BODY, FLEXIBLE, VARIABLE CAVITY,
THREADED FERRULE TYPE TUBE ENDS

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SH 2