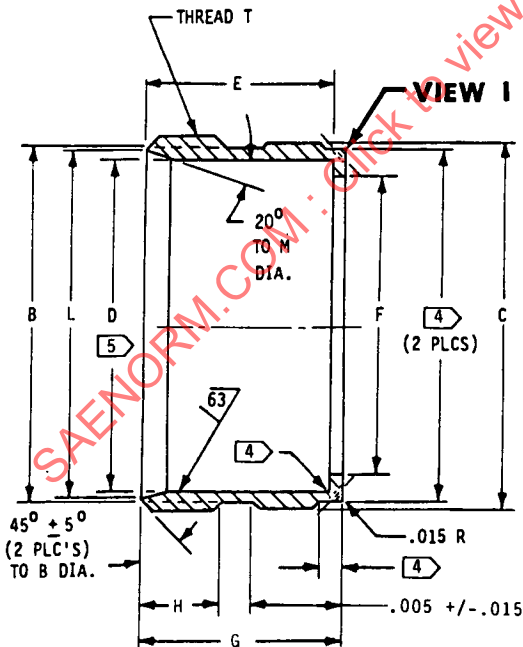
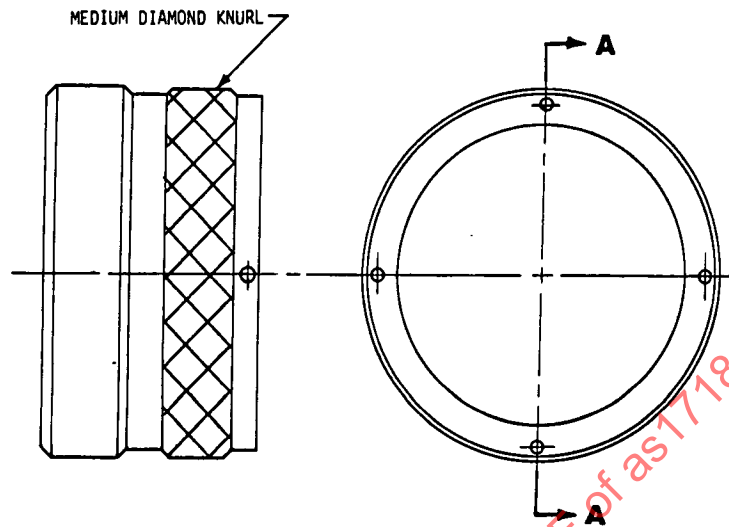
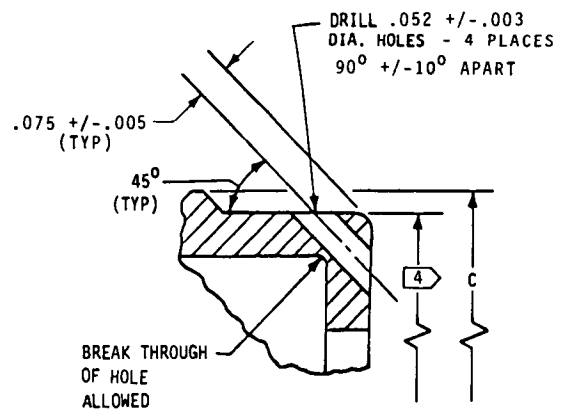


AS1718

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SECTION A-A



VIEW I

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

Society of Automotive Engineers, Inc.
410 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	
10	5/8	1 1/8-12 UNF-2A	1.009	1.044	.925	.790	.818	.875		.962	
12	3/4	1 3/8-12 UNF-2A	1.259	1.254	1.135	.932	.998	1.017	.312	1.187	
16	1	1 5/8-12 UN-2A	1.509	1.514	1.395	.992	1.274	1.078		1.447	
20	1 1/4	1 7/8-12 UN-2A	1.759	1.764	1.645	.992	1.524	1.078		1.697	
24	1 1/2	2 1/4-12 UN-2A	2.134	2.133	2.014	1.176	1.794	1.265		2.066	
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	
32	2	2 7/8-12 UN-2A	2.739	2.673	2.524	1.176	2.317	1.255		2.586	
36	2 1/4	3 1/8-12 UN-2A	2.993	2.923	2.774	1.176	2.567	1.255		2.836	
40	2 1/2	3 1/4-12 UN-2A	3.114	3.173	3.023	1.176	2.817	1.255		3.086	
48	3	3 3/4-12 UN-2A	3.614	3.656	3.506	1.176	3.317	1.255		3.569	
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	
64	4	4 3/4-12 UN-2A	4.613	4.665	4.515	1.274	4.338	1.366		4.578	
72	4 1/2	5 1/2-12 UN-2A	5.363	5.282	5.132	1.432	4.839	1.524		5.215	
80	5	6-12 UN-2A	5.863	5.802	5.626	1.662	5.339	1.772		5.710	
88	5 1/2	6 3/8-12 UN-2A	6.238	6.302	6.126	1.645	5.839	1.755		6.190	

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 $\pm .004$ $\pm .000$, FOR SIZES 40 THROUGH 64 IS $\pm .006$ $\pm .000$ AND FOR SIZES 72 THROUGH 88 IS $\pm .007$ $\pm .000$.
- 3 TOLERANCE FOR SIZE 08 THROUGH 28 IS $\pm .010$ $\pm .000$ 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 (AA) 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).

Issued May, 1982 Revised