

REV.
D

SAE AS1717

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS1717D HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

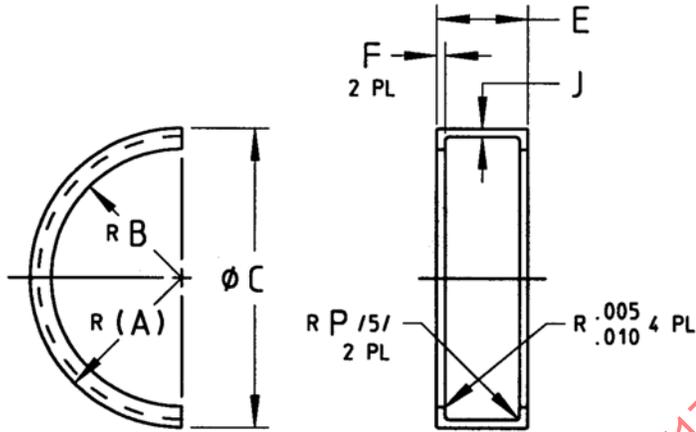


FIGURE 1 - CONFIGURATION FOR SIZES 08 AND 10 (HALF RETAINER SHOWN)

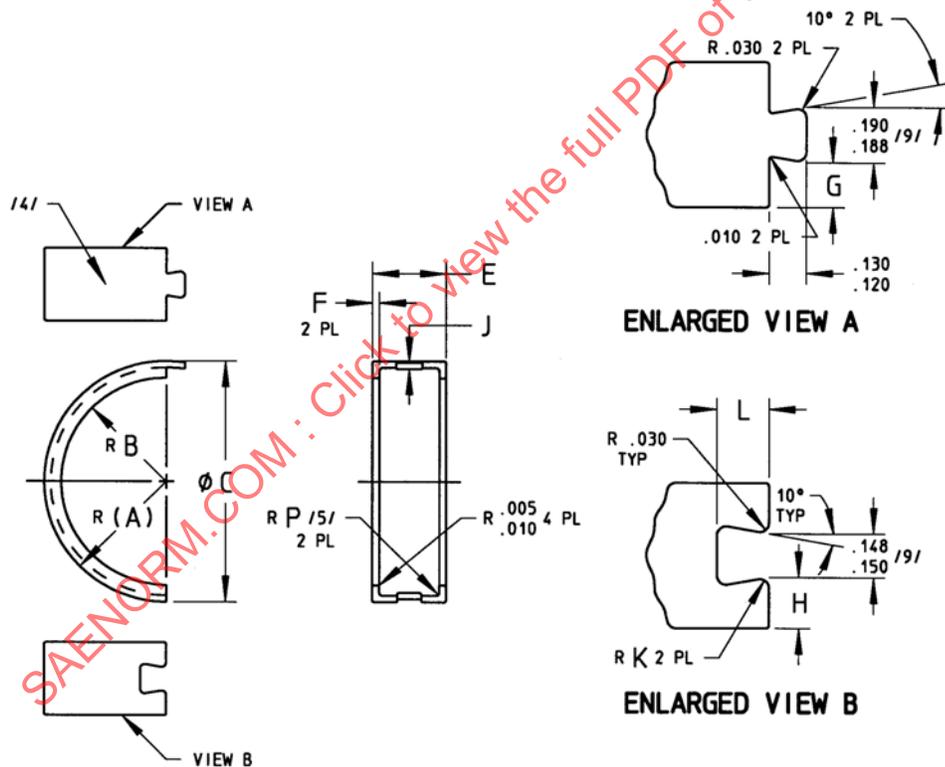
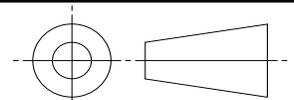


FIGURE 2 - CONFIGURATION FOR SIZES 12 THROUGH 72 (HALF RETAINER)

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: /3/ AS1710

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AEROSPACE STANDARD

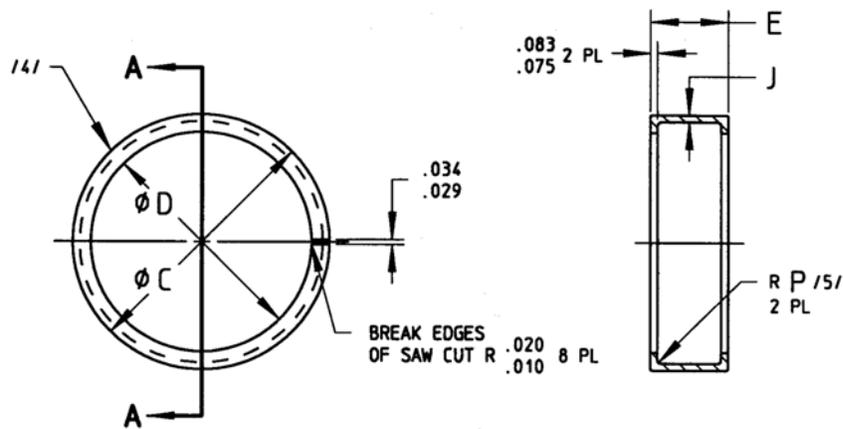
RETAINER, COUPLING, FLEXIBLE,
VARIABLE CAVITY, THREADED
FERRULE TYPE TUBE ENDS

SAE AS1717
SHEET 1 OF 4

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ISSUED 1982-05 REVISED 2006-08 REAFFIRMED 2013-01



SECTION A-A

FIGURE 3 - CONFIGURATION FOR SIZES 80 AND 88 (FULL RETAINER)

TABLE A1 - COUPLING RETAINER DIMENSIONS

BASIC NO. AS1717 SIZE CODE	(TUBE SIZE)	(A)	B +.003/-.001	C ±.004	D +.006/-.000	E +.000/-.005	F +.003/-.005	G +.002/-.000	H +.000/-.002
-08	.500	.398	.323	.797	-	.415	.040	-	-
-10	.625	.461	.385	.922	-	.415	.040	-	-
-12	.750	.566	.456	1.132	-	.435	.045	.121	.143
-16	1.000	.696	.581	1.392	-	.495	.045	.151	.173
-20	1.250	.821	.706	1.641	-	.495	.045	.151	.173
-24	1.500	1.005	.831	2.010	-	.535	.045	.171	.193
-28	1.750	1.130	.956	2.260	-	.535	.045	.171	.193
-32	2.000	1.260	1.083	2.520	-	.535	.061	.171	.193
-36	2.250	1.385	1.208	2.770	-	.535	.061	.171	.193
-40	2.500	1.510	1.333	3.020	-	.535	.061	.171	.193
-44	2.750	1.635	1.458	3.270	-	.535	.061	.171	.193
-48	3.000	1.752	1.583	3.503	-	.535	.061	.171	.193
-56	3.500	2.002	1.833	4.003	-	.607	.061	.207	.229
-64	4.000	2.256	2.087	4.512	-	.633	.061	.220	.242
-72	4.500	2.565	2.338	5.129	-	.627	.061	.217	.239
-80	5.000	-	-	5.636	5.188	.837	-	-	-
-88	5.500	-	-	6.136	5.688	.847	-	-	-

TABLE 1B - COUPLING RETAINER DIMENSIONS AND WEIGHTS

BASIC NO. AS1717 SIZE CODE	J /10/	K RAD	K TOL	L	P MIN /5/	WEIGHT LB/EA APPROX. REF.
-08	.032	-	-	-	.020	.002
-10	.032	-	-	-	.020	.002
-12	.036	.031	±.015	.175	.035	.004
-16	.044	.031	±.015	.175	.025	.006
-20	.044	.031	±.015	.175	.025	.007
-24	.063	.056	±.015/-0.030	.222	.050	.013
-28	.063	.056	±.015/-0.030	.222	.050	.014
-32	.066	.056	±.015/-0.030	.222	.045	.018
-36	.066	.056	±.015/-0.030	.222	.040	.020
-40	.066	.056	±.015/-0.030	.222	.040	.021
-44	.066	.056	±.015/-0.030	.222	.040	.023
-48	.072	.056	±.015/-0.030	.222	.040	.026
-56	.072	.056	±.015/-0.030	.222	.025	.033
-64	.072	.056	±.015/-0.030	.222	.025	.038
-72	.074	.056	±.015/-0.030	.222	.075	.049
-80	.086	-	-	-	.060	.158
-88	.086	-	-	-	.060	.174

NOTES:

- MATERIAL: ALUMINUM ALLOY 2024-T6, 2024-T851, 2024-T8510 OR 2024-T8511 PER AMS-QQ-A-225/6, AMS-QQ-A-200/3 OR ASTM B 211.
- FINISH: ANODIZE PER MIL-A-8625, TYPE II, CLASS 1 OR CLASS 2, COLOR OPTIONAL.
- RETAINERS SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED DISTRIBUTOR LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST FOR PRI-QPL-AS1710 FOR THIS STANDARD. THE QPL IS AVAILABLE AT www.eauditnet.com.
- IDENTIFICATION PER AS478 METHOD 30 INCLUDING THE MANUFACTURER'S NAME, TRADEMARK, OR CAGE CODE, COMPLETE "AS" PART NUMBER, AND DATE OF MANUFACTURE IN QUARTERS (3Q95 = THIRD QUARTERS 1995). SIZES -12 AND SMALLER MAY BE INDIVIDUALLY PLACED IN A PLASTIC BAG WITH A TAG CONTAINING THIS INFORMATION.
- THE MANUFACTURER WILL SPECIFY AND CONTROL THE MAXIMUM RADIUS AND WILL BE RESPONSIBLE TO ASSURE COMPATIBILITY WITH THE ASSEMBLY AND COMPLIANCE WITH THE PERFORMANCE REQUIREMENTS OF AS1710.
- SURFACE TEXTURE: SYMBOLS PER ASME Y 14.36M; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACE TO BE 125 µin Ra Max.

 An SAE International Group	AEROSPACE STANDARD	 SHEET 3 OF 4	REV. D
	RETAINER, COUPLING, FLEXIBLE, VARIABLE CAVITY, THREADED FERRULE TYPE TUBE ENDS		