

REV.
C

AS1717

FEDERAL SUPPLY CLASS
4730

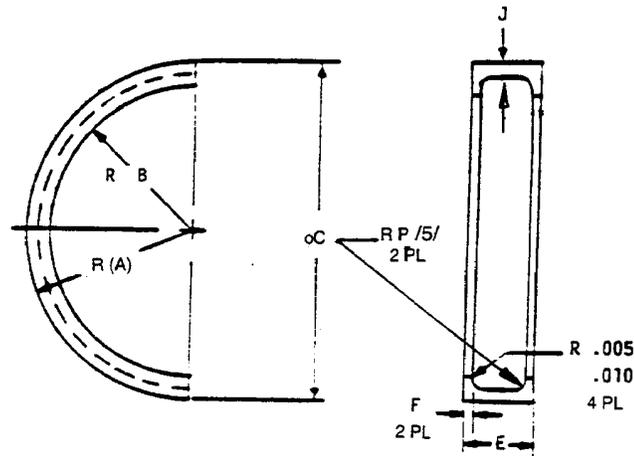


FIGURE 1 - CONFIGURATION FOR SIZES 08 AND 10 (HALF RETAINER SHOWN)

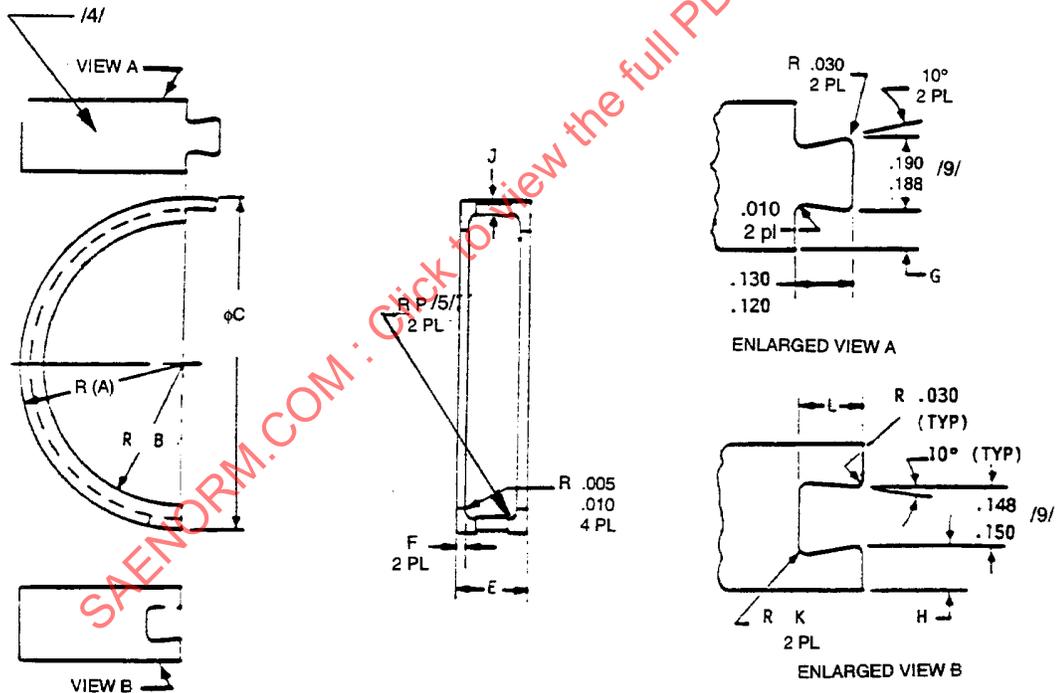
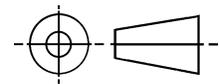


FIGURE 2 - CONFIGURATION FOR SIZES 12 THROUGH 72 (HALF RETAINER)

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: /3/ AS1710

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

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

AS1717
SHEET 1 OF 5

**REV.
C**

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

ISSUED 1982-05 REVISED 1995-09 REAFFIRMED 2001-12

REV.
C

AS1717

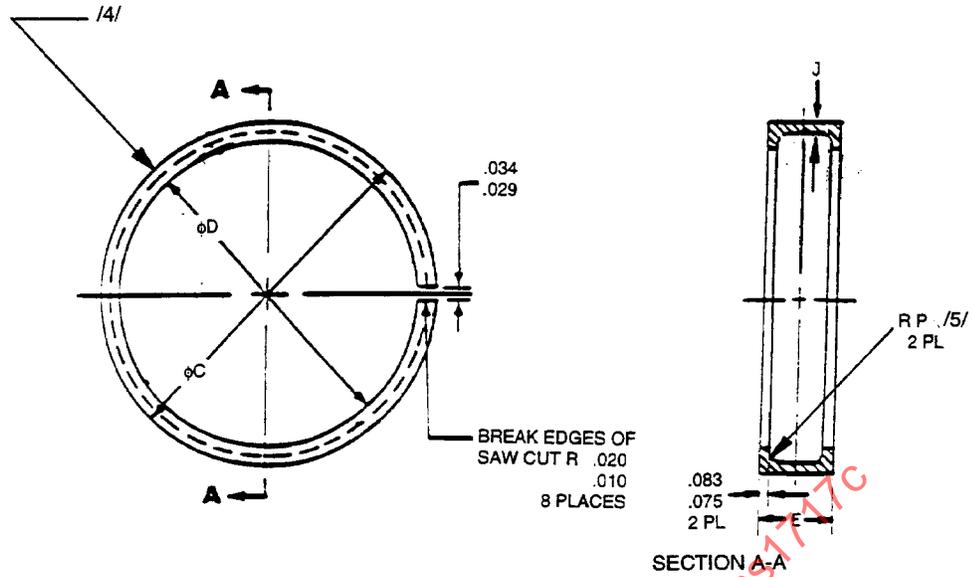


FIGURE 3 - CONFIGURATION FOR SIZES 80 AND 88 (FULL RETAINER)

SAENORM.COM : Click to view the full PDF of as1717c

TABLE 1A - COUPLING RETAINER DIMENSIONS

BASIC NO. AS1717	(TUBE SIZE) SIZE CODE	(A)	B +0.003/-0.001	C ±0.004	D +0.006/-0.000	E +0.000/-0.005	F +0.003/-0.005	G +0.002/-0.000	H +0.000/-0.002
	08	.500	.323	.797	-	.415	.040	-	-
	10	.625	.385	.922	-	.415	.040	-	-
	12	.750	.456	1.132	-	.435	.045	.121	.143
	16	1.000	.581	1.392	-	.495	.045	.151	.173
	20	1.250	.706	1.641	-	.495	.045	.151	.173
	24	1.500	.831	2.010	-	.535	.045	.171	.193
	28	1.750	.956	2.260	-	.535	.045	.171	.193
	32	2.000	1.083	2.520	-	.535	.061	.171	.193
	36	2.250	1.385	2.770	-	.535	.061	.171	.193
	40	2.500	1.510	3.020	-	.535	.061	.171	.193
	44	2.750	1.635	3.270	-	.535	.061	.171	.193
	48	3.000	1.752	3.503	-	.535	.061	.171	.193
	56	3.500	2.002	4.003	-	.607	.061	.207	.229
	64	4.000	2.256	4.512	-	.633	.061	.220	.242
	72	4.500	2.565	5.129	-	.627	.061	.217	.239
	80	5.000	-	5.636	5.188	.837	-	-	-
	88	5.500	-	6.136	5.688	.847	-	-	-

SAENORM.COM - Click to view the full PDF of as1717c

REV.
C

AS1717

TABLE 1B - COUPLING RETAINER DIMENSIONS AND WEIGHTS

BASIC NO.				P		
AS1717	J	K		L	MIN	LB/EA
SIZE CODE	/10/	RAD	K TOL		/5/	MAX
08	.032	-	-	-	.020	.003
10	.032	-	-	-	.020	.003
12	.036	.031	±.015	.175	.035	.004
16	.044	.031	±.015	.175	.025	.006
20	.044	.031	±.015	.175	.025	.007
24	.063	.056	+0.015/-0.030	.222	.050	.014
28	.063	.056	+0.015/-0.030	.222	.050	.016
32	.066	.056	+0.015/-0.030	.222	.045	.019
36	.066	.056	+0.015/-0.030	.222	.040	.021
40	.066	.056	+0.015/-0.030	.222	.040	.024
44	.066	.056	+0.015/-0.030	.222	.040	.027
48	.072	.056	+0.015/-0.030	.222	.040	.029
56	.072	.056	+0.015/-0.030	.222	.025	.035
64	.072	.056	+0.015/-0.030	.222	.025	.041
72	.074	.056	+0.015/-0.030	.222	.075	.097
80	.086	-	-	-	.060	.156
88	.086	-	-	-	.060	.181

SAENORM.COM : Click to view the full PDF of as1717c