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REV.  
D

AS1715

FEDERAL SUPPLY CLASS  
4730

RATIONALE

REVISION 'D' ADDS QPL/QML REQUIREMENTS AND PROVIDES A GENERAL UPDATE.

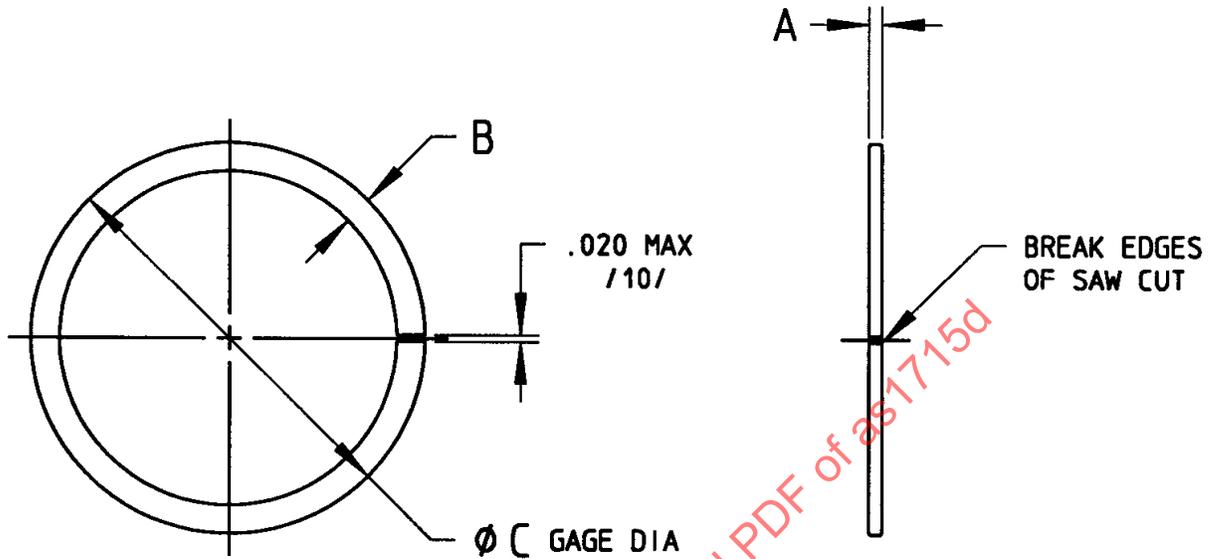
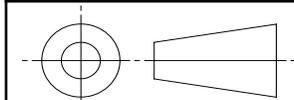


FIGURE 1 - WASHER

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: /4/ AS1710

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

(R) WASHER, COUPLING, FLEXIBLE,  
VARIABLE CAVITY, THREADED,  
FERRULE TYPE TUBE ENDS

**AS1715**  
SHEET 1 OF 3

**REV.  
D**

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ISSUED 1982-05 REAFFIRMED 2001-12 REVISED 2006-08

REV.  
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AS1715

TABLE 1 - COUPLING WASHER DIMENSIONS AND WEIGHTS

BASIC NO. AS1715 SIZE CODE	(TUBE SIZE)	A +.000/-0.008	B ±.004	C-GAGE +.0000/-0.0002	MATERIAL	WEIGHT LB/EA APPROX. REF.
-08	.500	.054	.082	.7990	ALUMINUM	.001
-10	.625	.054	.082	.9240	ALUMINUM	.002
-12	.750	.054	.115	1.1340	ALUMINUM	.003
-16	1.000	.054	.119	1.3940	ALUMINUM	.003
-20	1.250	.054	.119	1.6440	ALUMINUM	.003
-24	1.500	.054	.176	2.0130	ALUMINUM	.005
-28	1.750	.054	.176	2.2630	ALUMINUM	.006
-32	2.000	.054	.180	2.5230	ALUMINUM	.007
-36	2.250	.054	.180	2.7730	ALUMINUM	.007
-40	2.500	.054	.180	3.0230	ALUMINUM	.008
-44	2.750	.054	.180	3.2730	CRES	.025
-48	3.000	.054	.171	3.5060	CRES	.025
-56	3.500	.054	.171	4.0060	CRES	.029
-64	4.000	.054	.171	4.5150	CRES	.033
-72	4.500	.054	.227	5.1320	CRES	.049
-80	5.000	.067	.224	5.6260	CRES	.068
-88	5.500	.067	.224	6.1260	CRES	.074

## NOTES:

## 1. MATERIAL

- a. ALUMINUM ALLOY 2024-T4 PER AMS-QQ-A-225/6, AMS-QQ-A-200/3, OR 2024-T3, T351 OR T3511 PER AMS-QQ-A-250/4 OR AMS-QQ-A-225/6
- b. CORROSION RESISTANT STEEL 17-7PH PER AMS 5528 OR AMS 5529

## 2. HEAT TREATMENT:

- a. ALUMINUM: NONE
- b. CRES: HEAT TREAT AMS 5529 TO CH900 CONDITION

## 3. FINISH:

- a. ALUMINUM: ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, COLOR OPTIONAL
- b. CRES: PASSIVATE PER AMS 2700 METHOD I, TYPE 2 OR TYPE 8

/4/ WASHERS SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER OR SUPPLIED 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](http://www.eauditnet.com).

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**AS1715**  
SHEET 2 OF 3

**REV.**  
**D**