

REV.
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SAE AS1736

RATIONALE

REDRAWN FOR CLARITY, ADDED DIMENSION D, UPDATED TABLE AND WEGHTS, UPDATED NOTES AND ADDED PRI/QPL REQUIREMENTS.

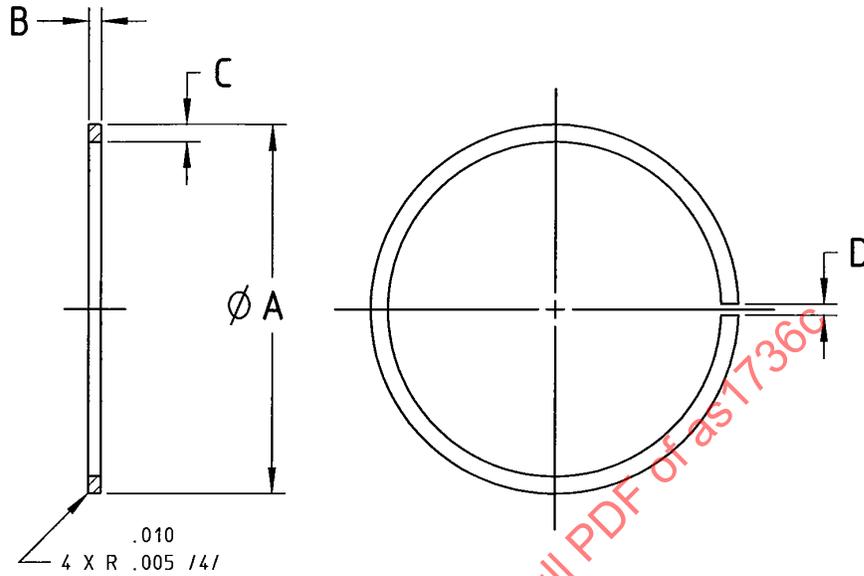
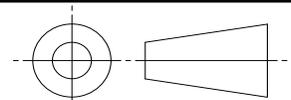


FIGURE 1 - WASHER

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THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: /3/ AS1730

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

WASHER, COUPLING, RIGID, FIXED CAVITY, THREADED, FERRULE TYPE TUBE ENDS

SAE AS1736
SHEET 1 OF 3

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TABLE 1 - WASHER DIMENSIONS AND WEIGHTS

BASIC NO. AS1736 SIZE CODE /14/	MATERIAL /1/	NOMINAL TUBE SIZE REF	A ±.0025	B	C	D	WEIGHT LB/EA APPROX REF
04	GLASS EPOXY	.250	.5875	.065 - .075	.083 - .090	.029 - .034	.001
05	GLASS EPOXY	.313	.6485	.065 - .075	.083 - .090	.029 - .034	.001
06	GLASS EPOXY	.375	.6935	.065 - .075	.074 - .081	.029 - .034	.001
08	GLASS EPOXY	.500	.8205	.065 - .075	.074 - .081	.029 - .034	.001
10	ALUMINUM	.625	.9655	.059 - .067	.084 - .092	.029 - .065	.002
12	ALUMINUM	.750	1.1315	.059 - .067	.093 - .101	.029 - .065	.002
16	ALUMINUM	1.000	1.3905	.059 - .067	.097 - .105	.029 - .065	.003
20	ALUMINUM	1.250	1.6325	.059 - .067	.093 - .101	.029 - .065	.003
24	ALUMINUM	1.500	1.8825	.075 - .085	.093 - .101	.029 - .065	.004
28	ALUMINUM	1.750	2.1425	.075 - .085	.096 - .104	.029 - .065	.005
32	ALUMINUM	2.000	2.3865	.075 - .085	.093 - .101	.029 - .065	.006
36	ALUMINUM	2.250	2.6425	.085 - .095	.096 - .104	.029 - .065	.007
40	ALUMINUM	2.500	2.8925	.085 - .095	.096 - .104	.029 - .065	.008
44	ALUMINUM	2.750	3.1425	.085 - .095	.096 - .104	.029 - .065	.009
48	ALUMINUM	3.000	3.5175	.085 - .095	.159 - .167	.029 - .065	.015
56	ALUMINUM	3.500	4.0175	.085 - .095	.159 - .167	.029 - .065	.018
64	CRES	4.000	4.5175	.085 - .095	.154 - .162	.029 - .065	.055
72	CRES	4.500	5.0195	.085 - .095	.154 - .163	.029 - .065	.062
80	CRES	5.000	5.5045	.085 - .095	.147 - .155	.029 - .065	.065

NOTES

/1/ MATERIAL (ACCORDING TO SIZE):

- a. GLASS EPOXY IN ACCORDANCE WITH MIL-I-24768/2 (MIL-P-18177) TYPE GEE (G-10)
- b. ALUMINUM ALLOY 2024-T3, T351 OR T3511 IN ACCORDANCE WITH AMS-QQ-A-250/4
- c. ALUMINUM ALLOY 2024-T4 IN ACCORDANCE WITH AMS-QQ-A-225/6 OR AMS-QQ-A-250/4
- d. CORROSION RESISTANT STEEL - 17-4PH IN ACCORDANCE WITH AMS 5643, CONDITION H900
- e. CORROSION RESISTANT STEEL - 17-7PH IN ACCORDANCE WITH AMS 5528, CONDITION RH950

2. FINISH:

- a. GLASS EPOXY - NONE
- b. ALUMINUM ALLOY - ANODIC COATING PER MIL-A-8625, TYPE II /6/
- c. CORROSION RESISTANT STEEL - PASSIVATE PER AMS 2700 TYPE 2 OR 3 /6/

/3/ PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST FOR PRI-QPL-AS1730 FOR THIS STANDARD. SEE www.eauditnet.com. FOR CURRENT QPL ON-LINE.

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