

STANDARDS ASSOCIATION OF AUSTRALIA.

Headquarters :

Science House, Gloucester and Essex Streets, Sydney.

AUSTRALIAN STANDARD SPECIFICATION FOR AIRCRAFT MATERIAL

(Emergency Series)

STEEL WASHERS (Large Diameter)

*This standard forms one of a series prepared by the Standards Association of Australia at the request of Departments of the Commonwealth Government for use in relation to the supply of materials required for defence purposes. In appropriate cases these specifications will be reviewed for inclusion in the normal series of Australian Standards.*

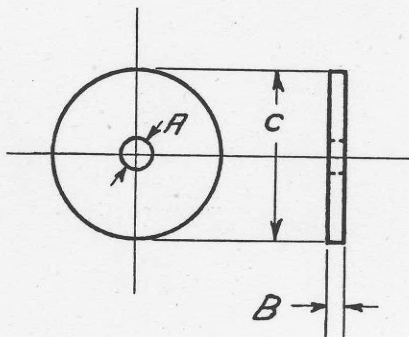
**1. Material.** All washers shall be made from mild steel having sulphur not greater than 0.06% and phosphorus not greater than 0.06% and having an ultimate tensile strength in the annealed state of 20-32 tons per sq. in. and an elongation not less than 20% when tested in accordance with B.S.No. 485 "Tests on Thin Metal Sheet and Strip [not exceeding 0.128 inch (10 s.w.g.) in Thickness]."

**2. Manufacture.** If required by the process of manufacture, the washers may have a split in a radial direction, but without any gap.

**3. Dimensions.** All washers shall be in accordance with the dimensions and tolerances given in Table I.

**4. Anti-corrosion Coating.** Unless otherwise ordered, all washers shall be uniformly coated with zinc or cadmium by an approved process. The thickness of such coating shall be not less than 0.0003 in.

TABLE I.



Mark	Nominal Size	- 0.00		C ± 0.05 in.
		A + 0.02 in.	B + 0.01 s.w.g. in.	
A	6 B.A.	.12	16 .064	1.0
B	4 B.A.	.15	" "	" "
C	2 B.A.	.19	" "	1.25
D	1/4 in.	.26	" "	" "
E	5/16 "	.32	" "	" "
F	3/8 "	.38	14 .08	1.5
G	7/16 "	.44	" "	" "
H	1/2 "	.51	" "	" "

\*This Australian Standard comprises British Air Ministry Specification A.G.S. 161 with amendments regarding materials and chamfering. For reference to the specification in its amended form it is essential that the Australian classification number (E) D.2511 be used.

This specification, prepared by the Special Committee on Aircraft Materials and Components, was approved on behalf of the Council of the Association on 16th April, 1941.

NOTE.

In order to keep abreast of progress in the industries concerned, Australian standards are subject to periodical review. Suggestions for improvement, addressed to the Headquarters of the Association, will be welcomed.

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