

APRIL, 1941

EMERGENCY STANDARD  
No. (E) D.2506—1941

being  
British Air Ministry Specifications  
Nos. A.G.S. 759\*  
to 763  
endorsed without amendment.

STANDARDS ASSOCIATION OF AUSTRALIA.

Headquarters :

Science House, Gloucester and Essex Streets, Sydney.

AUSTRALIAN STANDARD SPECIFICATION FOR AIRCRAFT MATERIAL  
(Emergency Series)

LIGHT ALLOY HEXAGONAL NUTS

*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 nuts shall be manufactured from light alloy bars conforming to British Standard Specification No. L.1.

**2. Dimensions.**

- (a) Plain washer-faced nuts shall conform to the dimensions given in Table I.
- (b) Slotted washer-faced nuts shall conform to the dimensions given in Table II.
- (c) Castle washer-faced nuts shall conform to the dimensions given in Table III.

**3. Screw Threads.** The screw threads of all light alloy nuts shall conform to the dimensions and tolerances specified in Table III. of Australian Standard No. B. 46—1941 "British Association Screw Threads with Tolerances" (B.S. No. 93—1919 (Corr. Aug. 1940) endorsed without amendment) for B.A. Threads; or Tables 8 and 12 of Australian Standard No. B. 47—1940 "Screw Threads of Whitworth Form" (B.S. No. 84—1940, endorsed without amendment) for B.S.F. Threads. The screw threads shall be required to pass approved gauges.

**4. Anti-Corrosion Coating.** All nuts shall be anodically treated.

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\*This Australian Standard comprises British Air Ministry Specifications A.G.S. 759 to 763. For reference to the specification the Australian classification number (E) D.2506 should be used.

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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.

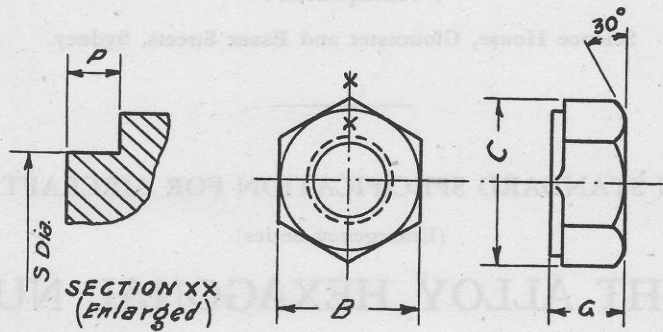
In order to keep abreast of progress in the industries concerned, Australian standards are subject to periodical review. Suggestions for improvement, addressed to the Headquarters of the Association, will be welcomed.

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TABLE I.

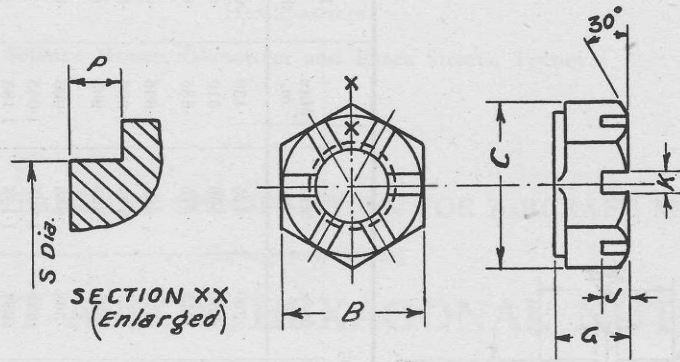
PLAIN WASHER-FACED NUTS.



Equivalent AGS No.	Mark	Thread	B		G		Approx. Max. C in.	P in.	S in.
			Min. in.	Max. in.	Min. in.	Max. in.			
762-D	AP	6 B.A.	.190	.193	.100	.110	.22	.03	.20
-C	BP	4 B.A.	.245	.248	.132	.142	.29	.03	.25
-B	CP	2 B.A.	.321	.324	.175	.185	.37	.03	.33
759-A	EP	$\frac{1}{4}$ in. B.S.F.	.440	.445	.190	.200	.51	.04	.45
-C	GP	$\frac{1}{8}$ in. "	.520	.525	.240	.250	.61	.05	.53
-E	JP	$\frac{3}{8}$ in. "	.595	.600	.302	.312	.69	.06	.61
-G	LP	$\frac{7}{16}$ in. "	.705	.710	.365	.375	.82	.06	.72
-H	NP	$\frac{1}{2}$ in. "	.815	.820	.427	.437	.95	.08	.83
-J	PP	$\frac{9}{16}$ in. "	.915	.920	.490	.500	1.06	.08	.94
-K	QP	$\frac{5}{8}$ in. "	1.002	1.010	.552	.562	1.17	.08	1.03
-L	RP	$\frac{11}{16}$ in. "	1.092	1.100	.615	.625	1.27	.10	1.13
-M	SP	$\frac{3}{4}$ in. "	1.192	1.200	.677	.687	1.39	.10	1.23
-N	TP	$\frac{13}{16}$ in. "	1.192	1.200	.708	.718	1.39	.10	1.23
-P	UP	$\frac{7}{8}$ in. "	1.292	1.300	.740	.750	1.50	.12	1.33
-Q	VP	$\frac{15}{16}$ in. "	1.382	1.390	.802	.812	1.61	.12	1.43
-R	WP	1 in. "	1.468	1.480	.865	.875	1.71	.12	1.53

TABLE II.

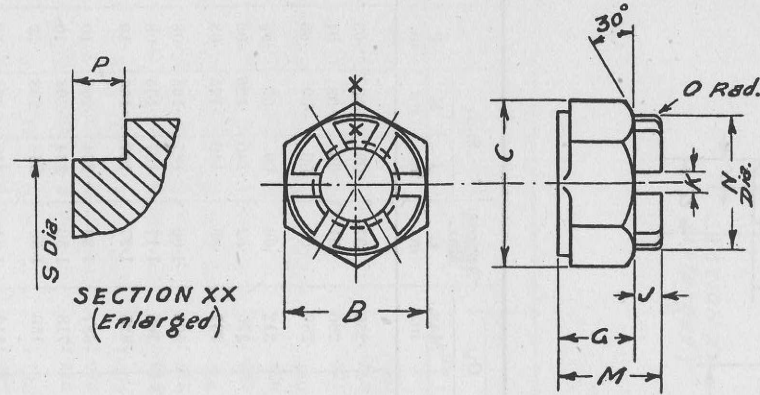
SLOTTED WASHER-FACED NUTS.



Equivalent AGS No.	Mark	Thread	B		G		Approx. Max. C in.	Slot		P in.	S in.
			Min. in.	Max. in.	Min. in.	Max. in.		J in.	K in.		
763-B	CS	2 B.A.	.321	.324	.240	.250	.37	.09	.08	.03	.33
760-A	ES	1/4 in. B.S.F.	.440	.445	.250	.260	.51	.09	.09	.04	.45
-C	GS	7/16 in. "	.520	.525	.270	.280	.61	.09	.09	.05	.53
-E	JS	3/8 in. "	.595	.600	.302	.312	.69	.09	.09	.06	.61
-G	LS	1/8 in. "	.705	.710	.365	.375	.82	.140	.125	.06	.72
-H	NS	1/2 in. "	.815	.820	.427	.437	.95	.140	.125	.08	.83
-J	PS	9/16 in. "	.915	.920	.490	.500	1.06	.187	.165	.08	.94
-K	QS	5/8 in. "	1.002	1.010	.552	.562	1.17	.187	.165	.08	1.03
-L	RS	11/16 in. "	1.092	1.100	.615	.625	1.27	.187	.165	.10	1.13
-M	SS	3/4 in. "	1.192	1.200	.677	.687	1.39	.234	.208	.10	1.23
-N	TS	13/16 in. "	1.192	1.200	.708	.718	1.39	.234	.208	.10	1.23
-P	US	7/8 in. "	1.292	1.300	.740	.750	1.50	.234	.208	.12	1.33
-Q	VS	15/16 in. "	1.382	1.390	.802	.812	1.61	.240	.208	.12	1.43
-R	WS	1 in. "	1.468	1.480	.865	.875	1.71	.280	.250	.12	1.53

TABLE III.  
CASTLE WASHER-FACED NUTS.

NOTE: The slots may be made rectangular as shown, or rounded at the bottom, at the option of the manufacturer.



Equivalent AGS. No.	Mark	Thread B.S.F.	B		M		Approx. Max. C in.	Slot		G		N		P in.	S in.	O Radius in.
			Min. in.	Max. in.	Min. in.	Max. in.		J in.	K in.	Min. in.	Max. in.	Min. in.	Max. in.			
761-A	EC	$\frac{1}{4}$ in.	.440	.445	.260	.270	.51	.070	.063	.190	.200	.425	.430	.04	.45	.04
-C	GC	$\frac{5}{16}$ in.	.520	.525	.334	.344	.61	.094	.084	.240	.250	.500	.510	.05	.53	.05
-E	JC	$\frac{3}{8}$ in.	.595	.600	.396	.406	.69	.094	.084	.302	.312	.575	.585	.06	.61	.05
-G	LC	$\frac{7}{16}$ in.	.705	.710	.505	.515	.82	.140	.125	.365	.375	.685	.695	.06	.72	.06
-H	NC	$\frac{1}{2}$ in.	.815	.820	.567	.577	.95	.140	.125	.427	.437	.795	.805	.08	.83	.06
-J	PC	$\frac{9}{16}$ in.	.915	.920	.677	.687	1.06	.187	.165	.490	.500	.895	.905	.08	.94	.06
-K	QC	$\frac{5}{8}$ in.	1.002	1.010	.739	.749	1.17	.187	.165	.552	.562	.985	.995	.08	1.03	.07
-L	RC	$\frac{11}{16}$ in.	1.092	1.100	.802	.812	1.27	.187	.165	.615	.625	1.065	1.085	.10	1.13	.07
-M	SC	$\frac{3}{4}$ in.	1.192	1.200	.911	.921	1.39	.234	.208	.677	.687	1.165	1.185	.10	1.23	.08
-N	TC	$\frac{13}{16}$ in.	1.192	1.200	.942	.952	1.39	.234	.208	.708	.718	1.165	1.185	.10	1.23	.08
-P	UC	$\frac{7}{8}$ in.	1.292	1.300	.974	.984	1.50	.234	.208	.740	.750	1.265	1.285	.12	1.33	.08
-Q	VC	$1\frac{1}{8}$ in.	1.382	1.390	1.042	1.052	1.61	.240	.208	.802	.812	1.355	1.375	.12	1.43	.08
-R	WC	1 in.	1.468	1.480	1.145	1.155	1.71	.280	.250	.865	.875	1.445	1.465	.12	1.53	.09