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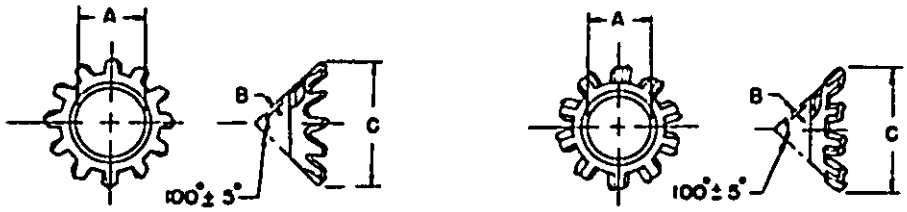
FED. SUP CLASS
5310



ACCEPTABLE DESIGNS

TABLE I

NOMINAL SIZE		A INSIDE DIAMETER		B THICKNESS		C OUTSIDE DIAMETER		STEEL CARBON	PHOSPHOR BRONZE OR TIN BRASS
								CADMIUM PLATED	UNCOATED
		MAX	MIN	MAX	MIN	MAX	MIN	DASH NUMBER	DASH NUMBER
# 2	.086	.095	.089	.010	.006	.193	.177	101	117
# 4	.112	.123	.113	.019	.013	.280	.265	109	119
# 6	.138	.150	.140	.021	.011	.319	.271	1	121
# 8	.164	.177	.167	.021	.013	.360	.324	9	123
#10	.190	.205	.195	.025	.015	.394	.377	17	125
1/4	.250	.267	.255	.025	.020	.493	.473	25	127
5/16	.312	.333	.318	.028	.023	.653	.631	33	129
3/8	.375	.398	.383	.034	.028	.850	.825	41	131

NOTES:
1. MATERIAL: Carbon Steel in accordance with procurement specification.
   Phosphor Bronze, composition A, hard, in accordance with procurement specification.
   Tin-Brass, Copper Development Association Inc., Alloy Number 425.
2. PROTECTIVE COATING: Carbon steel - Cadmium plated in accordance with QQ-P-416, Type II, Class 2. (Cadmium plating in accordance with Type II, Class 3 may be furnished until 20 Mar 1974.) (E)
3. DIMENSIONS: All dimensions are in inches, unless otherwise specified.
4. PART NUMBER: The MS part number consists of the MS number, plus the dash number.
   Example: MS35790-1.
5. The number of teeth shall be at the option of the manufacturer.
6. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
7. Referenced documents shall be of the issue in effect on date of invitations for bid.

INTERCHANGEABILITY TABLE

The following washers covered by dash numbers given in MS35790 Rev A in part and AN936 in part are cancelled after 5 December 1963. Use the dash numbers given above. The cancelled washers cannot always replace the new washers and should be used until existing stocks are depleted. Use only the new washers for design and replacement. Replacement shall be in accordance with Table II.

TABLE II

CANCELLED		USE	CANCELLED		USE
AN936 IN PART	MS35790 IN PART	MS35790	AN936 IN PART	MS35790 IN PART	MS35790
DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER
D2	103	101	D10	19	17
	105	117		21	125
	107	117		23	125
D4	111	109		27	25
	113	119		29	127
	115	119		31	127
D6	3	1		35	33
	5	121		37	129
	7	121		39	129
D8	11	9		43	41
	13	123		45	131
	15	123		47	131

(E) FOR CHANGES SEE SHEET 1

REVIEWER: AT, AV, GL, IS, MI, MU, NSA
USER: AS, EL, MC, ME, OS, YD

This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

APPROVED 22 AUG 1956 REVISED (A) 18 JULY 1958 (B) 5 DEC 1963 (C) 7 DEC 1967 (D) 30 MAR 1970 (E) 20 MAR 1972

P.A. WC Other Cust 82	TITLE WASHER, LOCK-COUNTERSUNK, 100°, EXTERNAL TOOTH (IN./MM)	MILITARY STANDARD MS 35790
PROCUREMENT SPECIFICATION FF-W-100	SUPERSEDES: AN936 in part	SHEET 1 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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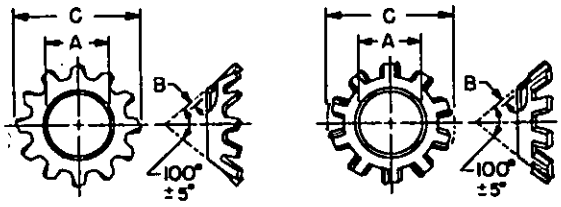

ACCEPTABLE DESIGNS

TABLE III
METRIC TRANSLATION OF TABLE I

NOMINAL SIZE	A INSIDE DIA		B THICKNESS		C OUTSIDE DIA		DASH NUMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	CARBON STEEL	TIN-BRASS OR BRONZE
2.184	2.413	2.261	.254	.152	4.902	4.496	101	117
2.845	3.124	2.870	.483	.330	7.112	6.731	109	119
3.505	3.810	3.556	.533	.279	8.103	6.883	1	121
4.166	4.496	4.242	.533	.330	9.144	8.230	9	123
4.826	5.207	4.953	.635	.381	10.008	9.576	17	125
6.350	6.782	6.477	.635	.508	12.522	12.014	25	127
7.925	8.458	8.077	.711	.584	16.586	16.027	33	129
9.525	10.109	9.728	.864	.711	21.590	20.955	41	131

NOTE:
All dimensions are in millimeters.

REVIEWER: AT, AV, GL, IS, MI, MU, NSA
USER: AS, EL, MC, ME, OS, YD

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APPROVED 22 AUG 1956 REVISED (D) 30 MAR 1970 (E) FOR CHANGES SEE SHEET 1.