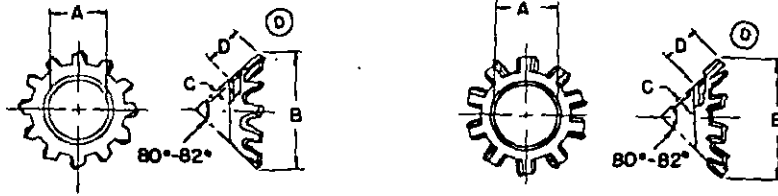


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ACCEPTABLE DESIGNS

TABLE I

NOMINAL SIZE	A INSIDE DIAMETER		C THICKNESS		D SIDE LENGTH		B OUTSIDE DIAMETER	STEEL		PHOSPHOR BRONZE OR TIN - BRASS	
								CARBON	CORROSION RESISTING	UNCOATED	
								CADMIUM PLATED	PASSIVATED		
	MAX	MIN	MAX	MIN	MAX	MIN	REFERENCE	DASH NUMBER	DASH NUMBER	DASH NUMBER	
# 4	.112	.123	.113	.019	.015	.065	.050	.213	J	5	55
# 6	.138	.150	.140	.021	.017	.092	.082	.289	9	11	56
# 8	.164	.177	.167	.021	.017	.105	.096	.322	15	17	57
# 10	.190	.205	.195	.025	.020	.099	.083	.354	21	23	54
1/4	.250	.267	.255	.025	.020	.128	.113	.454	27	29	59
5/16	.312	.333	.318	.028	.023	.192	.163	.599	13	15	60
3/8	.375	.398	.383	.034	.029	.255	.242	.765	39	41	61
7/16	.438	.463	.448	.045	.037	.270	.260	.867	45	47	62
1/2	.500	.529	.512	.045	.037	.304	.294	.976	51	53	61

NOTES:

- MATERIAL:** Steel, Carbon; sheet; in accordance with procurement specification.
Steel, Corrosion Resisting, in accordance with procurement specification.
Phosphor Bronze, Composition A, hard, in accordance with procurement specification.
Tin Brass in accordance with Copper Development Association Inc. Alloy #425.
- PROTECTIVE COATING AND TREATMENT:** Steel, Carbon, Cadmium Plate in accordance with procurement specification.
Steel, Corrosion Resisting, Passivate in accordance with procurement specification.
- DIMENSIONS:** All dimensions are in inches unless otherwise specified.
- PART NUMBER:** The MS part number consists of the MS number plus the dash number.
Example: MS35336-J.
- The number of teeth shall be at the option of the manufacturer.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Referenced documents shall be of the issue in effect on date of invitations for bid.

(D) For changes see sheets 1 and 2.

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.

P.A. VC Other Cost 82	TITLE WASHER, LOCK-COUNTERSUNK, 80°-82°, EXTERNAL TOOTH (IN./MM)	MILITARY STANDARD MS 35336
PROCUREMENT SPECIFICATION FF-W-100	SUPERSEDES: ANSI 6 in part and BEA4	SHEET 1 OF 2

APPROVED 4 MARCH 1954 REVISED 8 18 APRIL 1956 5 DEC 1963 7 DEC 1967 30 MAR 1970

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

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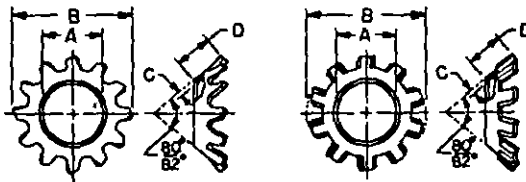
INTERCHANGEABILITY TABLE

The following dash numbers of MS35336 and AN936 are cancelled after 5 Dec 1963. 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 engineering. Replacement shall be in accordance with this table.

TABLE II

PART NUMBERS											
CANCELLED			NEW			CANCELLED			NEW		
AN936	MS35336	MS35336	AN936	MS35336	MS35336	AN936	MS35336	MS35336	AN936	MS35336	MS35336
C2	--	**	C8	13	15	--	28	27	C616B	42	31
C2B	--	**	--	14	15	C416B	30	59	C716	43	45
C4	1	3	--	16	15	C516	31	33	--	44	45
--	2	3	C8B	18	57	--	32	33	--	46	45
--	4	3	C10	19	21	--	34	33	C716B	48	62
C4B	6	55	--	20	21	C516B	36	60	--	49	51
C6	7	9	--	22	21	C616	37	39	--	50	51
--	8	9	C10B	24	58	--	38	39	--	52	51
--	10	9	C416	25	27	--	40	39	--	54	63
C6B	12	56	--	26	27	--			--		

** No replacement



ACCEPTABLE DESIGNS

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TABLE III
METRIC TRANSLATION OF TABLE I

NOMINAL SIZE	A INSIDE DIA		B OUTSIDE DIA REF	C THICKNESS		D SIDE LENGTH		DASH NUMBER		
	MAX	MIN		MAX	MIN	MAX	MIN	CARBON STEEL	CRES	TIN-BRASS OR BRONZE
2.845	3.124	2.870	3.410	.483	.381	1.651	1.270	3	5	55
3.505	3.810	3.556	7.341	.533	.432	2.337	2.083	9	11	56
4.166	4.496	4.242	8.179	.533	.432	2.667	2.235	15	17	57
4.826	5.207	4.953	8.992	.635	.508	2.515	2.108	21	23	58
6.350	6.782	6.477	11.532	.635	.508	3.251	2.870	27	29	59
7.925	8.458	8.077	15.215	.711	.584	4.877	4.191	33	35	60
9.525	10.109	9.728	19.431	.864	.711	6.477	6.147	39	41	61
11.125	11.760	11.379	22.022	1.143	.940	6.858	6.604	45	47	62
12.700	13.437	13.005	24.790	1.343	.940	7.722	7.468	51	53	63

NOTE:
All dimensions are in millimeters.

This military standard 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.

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

APPROVED 4 MAR 1934 REVISED ⓐ 18 APR 1956 ⓑ 5 DEC 1963 ⓒ 7 DEC 1967 ⓓ FOR CHANGES SEE SHEETS 1 AND 2.

P.A. VC Other Case 82	TITLE WASHER, LOCK-COUNTERSUNK, 80°-82°, EXTERNAL TOOTH (IN./MM)	MILITARY STANDARD MS35336
PROCUREMENT SPECIFICATION FF-W-100	SUPERSEDES: AN936 in part and BEA14	SHEET 2 OF