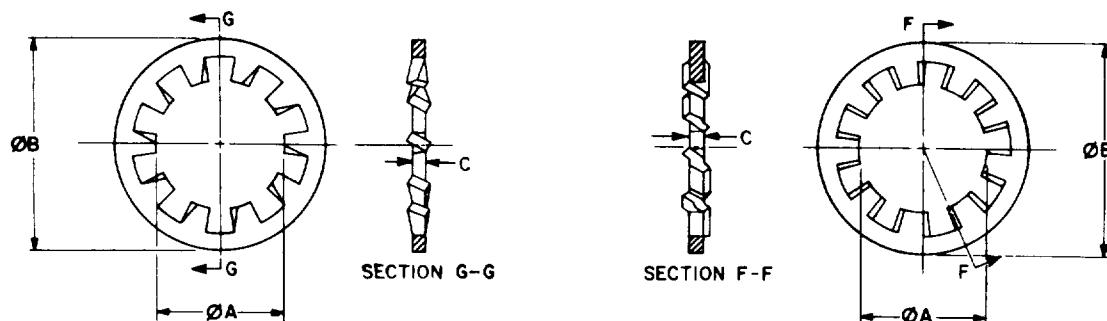


FED. SUP CLASS
5310USER ACTIVITIES:
ARMY - ME
NAVY - MC, YD

ACCEPTABLE DESIGNS

TABLE 1. DASH NUMBERS AND DIMENSIONS.

DASH NUMBER		Ø A		Ø B		C THICKNESS	
STEEL, CARBON	PHOSPHOR BRONZE	MAX	MIN	MAX	MIN	MAX	MIN
-10	-11	.095	.089	.200	.175	.015	.010
-1	-12	.123	.115	.270	.255	.019	.015
-2	-13	.150	.141	.295	.275	.021	.017
-3	-14	.176	.168	.340	.325	.023	.018
-4	-15	.204	.195	.381	.365	.025	.020
-5	-16	.267	.256	.478	.460	.028	.023
-6	-17	.332	.320	.610	.594	.034	.028
-7	-18	.398	.384	.692	.670	.040	.032
-8	-19	.530	.512	.900	.867	.045	.037
-9	-20	.663	.640	1.071	1.045	.050	.042

REQUIREMENTS:

- MATERIAL:** STEEL, CARBON, GRADES 1050 (UNS G10500) THRU 1064 (UNS G10640), AND PHOSPHOR BRONZE, COMPOSITION A, HARD (UNS C51000), IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
- PROTECTIVE COATING AND SURFACE TREATMENT:** STEEL, CARBON, SHALL BE ZINC COATED IN ACCORDANCE WITH ASTM B633, TYPE II, CLASS Fe/Zn 5. PHOSPHOR BRONZE SHALL BE CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2.
- PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE 1.

EXAMPLE: MS51413-1

DASH NUMBER

BASIC MS NUMBER

MS51413-1 INDICATES - WASHER, LOCK, FLAT-INTERNAL TOOTH; STEEL, CARBON; ZINC COATED;
INSIDE DIAMETER .123 MAX .115 MIN; OUTSIDE DIAMETER .270 MAX .255 MIN;
THICKNESS .019 MAX .015 MIN

NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- THE NUMBER OF TEETH SHALL BE AT THE OPTION OF THE SUPPLIER.
- IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
- REFERENCED GOVERNMENT (OR NONGOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.
- ZINC COATED WASHERS ARE INTENDED FOR USE IN NON-AEROSPACE, HIGH TEMPERATURE/PETROLEUM ENVIRONMENT.

Ⓐ ENTIRE STANDARD REVISED

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This military standard is approved 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 when applicable.

REVIEWER ACTIVITIES:
ARMY - AV, EA, ER, GL
AIR FORCE - 15, 12
DLA - IS
NSA - NS

P. A. ARMY - AR Other Cust NAVY - SH AIR FORCE - 99	INTERNATIONAL INTEREST	TITLE WASHER, LOCK, FLAT-INTERNAL TOOTH	MILITARY STANDARD MS51413
PROCUREMENT SPECIFICATION FF-W-100	SUPERSEDES:	PAGE OF	

APPROVED 18 OCT 82 REVISED Ⓐ 17 MAR 86

AMSC N/A

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5310-1410