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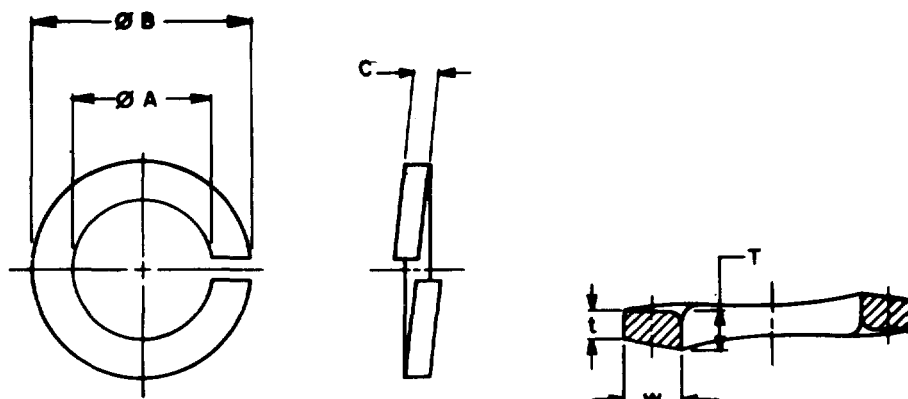


TABLE I. DASH NUMBERS AND DIMENSIONS.

DASH NUMBERS		NOMINAL SIZE	ØA ID		ØB OD	W SECTION WIDTH	C MEAN SECTION THICKNESS	T + t
HOT DIP ZINC	ELECTROPLATED ZINC		MAX	MIN	MAX	MIN	MAX	MIN
	1	NO. 6 .138	.148	.141	.250	.047	.037	.031
	2	NO. 8 .164	.175	.168	.293	.055	.046	.040
	3	NO. 10 .190	.202	.194	.334	.062	.053	.047
	4	NO. 12 .216	.232	.221	.380	.070	.062	.056
	5	1/4 .250	.263	.255	.489	.109	.072	.062
	6	3/16 .313	.328	.318	.586	.125	.088	.078
	7	3/8 .375	.393	.382	.683	.141	.104	.094
	8	7/16 .438	.459	.446	.779	.156	.119	.109
	24	7/16 .438	.464	.446	.772	.158	.130	.120
	9	1/2 .500	.523	.509	.873	.171	.135	.125
17	16	9/16 .562	.587	.572	.971	.188	.151	.141
18	10	5/8 .625	.653	.636	1.079	.203	.166	.156
19	11	3/4 .750	.783	.763	1.271	.234	.198	.188
20	12	7/8 .875	.912	.890	1.464	.266	.239	.219
21	13	1 1.000	1.042	1.017	1.661	.297	.270	.250
22	14	1-1/8 1.125	1.172	1.144	1.853	.328	.301	.281
23	15	1-1/4 1.250	1.302	1.271	2.045	.359	.332	.312

Ⓑ ENTIRE STANDARD REVISED

P.A. ARMY-AR Other Cust NAVY-SH	INTERNATIONAL INTEREST	TITLE WASHER, LOCK-HELICAL SPRING, REGULAR (MEDIUM) SERIES	MILITARY STANDARD <b>MS51415</b>
PROCUREMENT SPECIFICATION <b>FF-W-84</b>	SUPERSEDES:	PAGE 1 OF 2	

DD FORM 1 MAY 73 **672-1** (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**5310-1510**

APPROVED 18 OCT 82 REVISED 20 AUG 87

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## REQUIREMENTS:

1. MATERIAL. STEEL, CARBON, 1060 THRU 1080 (UNS G10600 THRU UNS G10800), 45-53 HRC IN ACCORDANCE WITH ASTM A510.
2. FINISH. ELECTROPLATED ZINC COATED WASHERS SHALL BE IN ACCORDANCE WITH ASTM B633, TYPE II, CLASS Fe/Zn 13. HOT DIP ZINC COATED WASHERS SHALL BE IN ACCORDANCE WITH ASTM A153, CLASS C.
3. PART NUMBER. THE PART NUMBER CONSISTS OF THE BASIC MS SHEET NUMBER PLUS A DASH NUMBER TAKEN FROM TABLE I.

EXAMPLE: MS51415-1

DASH NUMBER

BASIC MS SHEET NUMBER

MS51415-1 INDICATES - WASHER, LOCK, HELICAL SPRING (REGULAR), ELECTROPLATED ZINC COATED, ID; .148, OD .250, THICKNESS, .037.

## NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. 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.
3. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) 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.
4. ELECTROPLATED ZINC COATED WASHERS ARE INTENDED FOR USE IN NON-AEROSPACE, HIGH TEMPERATURE PETROLEUM ENVIRONMENT.

UNDER ACTIVITIES:  
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APPROVED 18 OCT 82 REVISED (B) FOR CHANGES SEE PAGES 1 AND 2

P. A. ARMY-AR Other Cost NAVY-SH	INTERNATIONAL INTEREST	TITLE WASHER, LOCK-HELICAL SPRING, REGULAR (MEDIUM) SERIES	MILITARY STANDARD MS51415
PROCUREMENT SPECIFICATION FF-W-64	SUPERSEDES:	PAGE 2 OF 2	

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