



TABLE 1. DASH NUMBERS AND DIMENSIONS

NOMINAL SIZE	DASH NO	Ø A (ID)		Ø D (OD)	W WIDTH	C THICKNESS $\frac{T + L}{2}$	
		MAX	MIN	MAX	MIN	MAX	MIN
1/4 .250	1	.260	.252	.533	.132	.094	.034
5/16 .312	2	.322	.314	.619	.143	.110	.100
1/2 .500	3	.512	.502	.935	.204	.172	.162

## REQUIREMENTS:

1. **MATERIAL:** STEEL, CARBON, GRADE 1060 (UNS G10600) THEN 10C0 (UNS G10C00).
2. **PROTECTIVE FINISH:** ZINC COATING SHALL BE IN ACCORDANCE WITH ASTM B633, TYPE 11, CLASS Fe/Zn0 (ELECTRODEPOSITED). HYDROGEN DECHLORIDE RINSE REQUIREMENT SHALL BE MET FOR WASHERS HEAVY AND BIGGER, OR MIL-C-81562, TYPE 11, CLASS 6.
3. **HARDNESS:** CARBON STEEL WASHERS SHALL HAVE A HARDNESS OF 30 TO 46HRC.
4. **PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC SPECIFICATION SHEET NUMBER FOLLOWED BY A DASH NUMBER TAKEN FROM TABLE 1.

EXAMPLE: M851416-1

DASH NUMBER

BASIC SPECIFICATION SHEET NUMBER

M851416-1 INDICATES - WASHER, LOCK HELICAL SPRING, HEAVY DUTY, 1/4 (.250) NOMINAL SIZE, ZINC COATED.

## 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 ISSUES LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DOOISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

(A) ENTIRE STANDARD REVISED

INCH - POUND

PREPARING ACTIVITY: ARMY-AR

CUSTODIANS: ARMY- AR NAVY- SN

AIR FORCE-

CLA-

REVIEW: AVEAGLUSNS

USER: MEMCYD

PROJECT NUMBER: 5310-1811

## MILITARY SPECIFICATION SHEET

TITLE

WASHER LOCK - HELICAL SPRING

HEAVY DUTY

SPECIFICATION SHEET NUMBER

M851416A 30 MARCH 1980

SUPERSEDING  
M851416 18 OCTOBER 1982

AMSC- N/A

FSC - 5310

DISTRIBUTION STATEMENT

A. Approved for public release; distribution is unlimited.

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