



DISTRIBUTION STATEMENT

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Form Approved DMB No. 0704-0188

REQUIREMENTS:

- 1. MATERIAL:

 d. STEEL, CARBON, GRADE 1060 (ONS G10600) THRU 1080 (UNS G10800).
 - CORROSION-RESISTANT STEEL (NON-MAGNETIC) WASHERS SHALL BE TYPE 316 (UNS \$31600) THRU 1/4" AND TYPE 300 SERIES (UNS \$30200 TO UNS \$31600) FOR ALL OTHER SIZES.
- 2. PROTECTIVE FINISH;
 - o. CARBON STEEL WASHERS:
- CADMIUM PLATING SHALL BE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2, OR MIL-C-81562, TYPE II, CLASS 2. 1. (E) OR MECHANICALLY DEPOSITED ZINC SHALL BE IN ACCORDANCE WITH MIL-C-81562, TYPE N, CLASS 6.
 - 5. PHOSPHATE COATING SHALL BE IN ACCORDANCE WITH MIL-P-16232, TYPE Z. CLASS 2.
 - b. CORROSION-RESISTANT STEEL WASHERS:
 - 1. PASSIVATION SHALL BE IN ACCORDANCE WITH QQ-P-35.
- 3. HARDNESS;

NOTES:

- G. CARBON STEEL WASHERS SHALL HAVE A HARDNESS OF 38 TO 46HRC.
- CORROSION-RESISTANT STEEL WASHERS TYPE 300 (UNS S3XXXX) SERIES WASHERS SHALL HAVE A (E) b. HARDNESS OF 35-43HRC.
- PART NUMBER: THE PART NUMBER SHALL CONSIST OF THE BASIC SPECIFICATION SHEET NUMBER FOLLOWED BY A DASH NUMBER TAKEN FROM TABLE I.

EXAMPLE: MS51848-1. --- DASH NUMBER ---- BASIC SPECIFICATION SHEET NUMBER

MS51848-1 INDICATES - WASHER, LOCK-HELICAL SPRING, HI-COLLAR; NO. 0 (.060) NOMINAL SIZE; CARBON STEEL; CADMIUM OR ZINC PLATED.

(E)

(E) 5. PACKAGING: PACKAGING SHALL BE IN ACCORDANCE WITH ASTM 03951.

- 1. ALL DIMENSIONS ARE IN INCHES.
- 2. MS51848 SUPERSEDES NAS1676 IN PART, SEE TABLE II.
- 3. 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 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.

TABLE II. INTERCHANGEABILITY

THE FOLLOWING NAS 1676 PART NUMBERS ARE SUPERSEDED AFTER 28 FEBRUARY 1973 BY THE MSS1848 PART NUMBERS SHOWN BELOW. ONLY THE SUPERSEDING MSS1848 PART NUMBERS SHALL BE USED FOR NEW DESIGN.

PART NUMBER		PART NUMBER		PART NUMBER	
NAS 1676	SUPERSEDING MS51848	NAS 1678	SUPERSEDING M\$51848	NAS 1676	SUPERSEDING MS51848
-0		-716	13	C6	47
- 2	3	-816	14	CB I	48
· -4	1 5 1	-1016) 15 }	C10 1	49
-6	7	-1216	16	C416	50
-8	8	-1416	17	C516	51
-10	9	-1616	18	C616	52
-416	10	CO	41	C716	53
-516	l ii l	C2	43	C816	54
-616	12	C4	45	C1016	55

SPECIFICATION SHEET NUMBER MILITARY SPECIFICATION SHEET PREPARING ACTIVITY: DLA-IS 13 DEC 93 MS51848 CUSTODIANS: ARMY- AR NAVY- AS REV E TITLE SUPERSEDING MS51848D 13 AUGUST 1991 (SEE NOTE 2.) AIR FORCE- 99 DLA-WASHER, LOCK-HELICAL SPRING, HI-COLLAR REVIEW: AV. GL. MI. NS. SH. 82 USER: AT, GL, MC, ME, OS, YD FSC 5310 N/A PROJECT NUMBER: 5310-1900 DISTRIBUTION STATEMENT Page _2_ of _2_ A. Approved for public release; distribution is unlimited.