

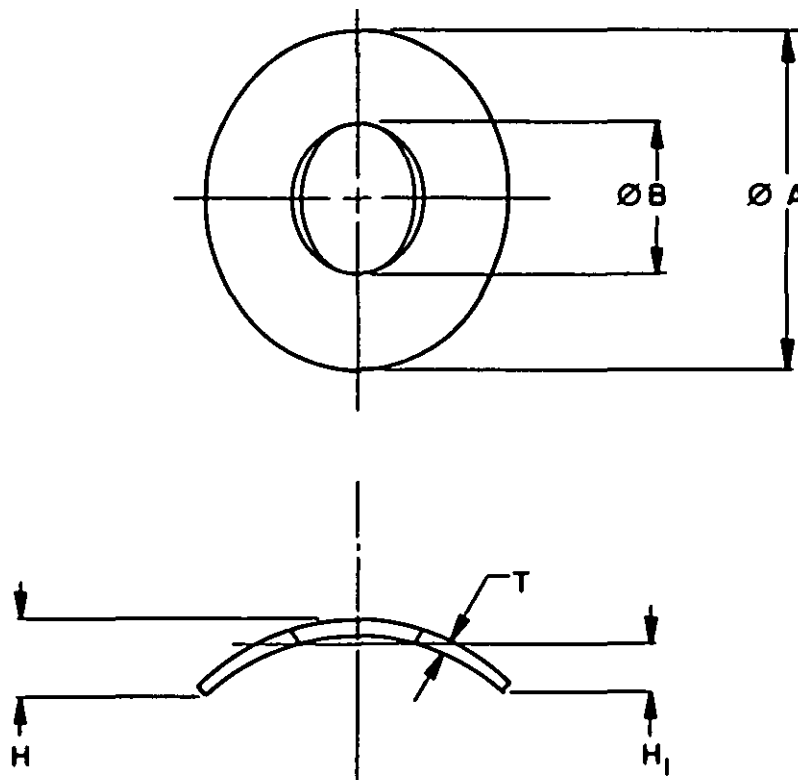
MIL-W-12133/5A
 28 April 1986
 SUPERSEDING
 MIL-W-12133/5
 30 July 1984

MILITARY SPECIFICATION SHEET

WASHER, SPRING TENSION, CURVED, SPRING STEEL

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the washers described herein shall consist of this specification and the latest issue of MIL-W-12133.



NOTES: 1. All dimensions are in inches.

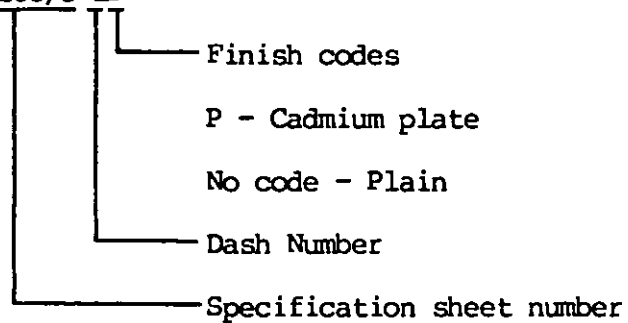
FIGURE 1. WASHER, SPRING TENSION, CURVED, SPRING STEEL

(A) DENOTES CHANGES

MIL-W-12133/5A

REQUIREMENTS:

1. Material: Spring steel, Grades 1070 thru 1095, as specified in ASTM A684/A684M.
- ② 2. Protective coating and surface treatment: Cadmium or plain as applicable (see Requirement 3 herein) in accordance with MIL-W-12133.
- ③ 3. Part number: The part number consists of the letter "M", the basic number of this specification sheet, followed by a dash number taken from Table I, and a finish code letter.

EXAMPLE: M12133/5-1P

M12133/5-1P: Indicates - Washer, Spring Tension, Curved, Spring Steel;
Grades 1070 thru 1095 ; .245 OD; .135 ID;
.006 thick; .034 free height; Cadmium plate.

TABLE 1. DASH NUMBERS AND DIMENSIONS

DASH NO	FREE FIT SCREW OR ROD SIZE	ϕA OD + .004 - .010	ϕB ID + .010 - .000	H NOM	TOL	H ₁ (REF DIM)	T THICKNESS + .001	FREE FIT IN HOLE DIA	LOAD AT H ₁ + .154 (LB)
1	.125	.245	.135	.034	± .008	.020	.006	.250	2.0
2	.138	.270	.148	.035		.022	.007	.281	2.5
3	.164	.322	.174	.042		.025	.008	.343	3.0
4	.190	.370	.200	.047		.028	.009	.375	4.5
5	.216	.423	.231	.053		.035	.006	.375	2.25
6	.250	.490	.265	.063	± .010	.032	.010	.437	5.0
7	.281	.551	.296	.070		.034	.011	.500	7.0
8	.312	.612	.327	.077		.046	.0075	.500	3.50
9	.343	.672	.363	.081		.038	.012	.562	8.0
10	.375	.735	.395	.086		.042	.013	.625	9.0
11	.437	.857	.462	.100	± .015	.060	.009	.625	4.50
12	.500	.980	.525	.110		.047	.015	.687	11.0
13	.562	.857	.598	.110		.050	.016	.750	12.0
14	.625	.980	.663	.118		.046	.015	.750	9.0
15	.625	.980	.663	.118		.057	.018	.875	15.0
16	.625	.980	.663	.118	± .015	.063	.021	1.000	20.0
17	.625	.980	.663	.118		.059	.018	.875	11.0
18	.625	.980	.663	.118		.067	.021	1.000	14.0
19	.625	.980	.663	.118					
20	.625	.980	.663	.118					

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Custodians:

Army - AR
Navy - OS
Air Force - 99

Review activities:

Army - MI
Navy - AS
Air Force - 11, 82
DLA - IS

User activities:

Army - AT, ME
Navy - MC, YD

Preparing activity:

Army - AR

Agent:

DLA - IS

(Project 5310-1430)