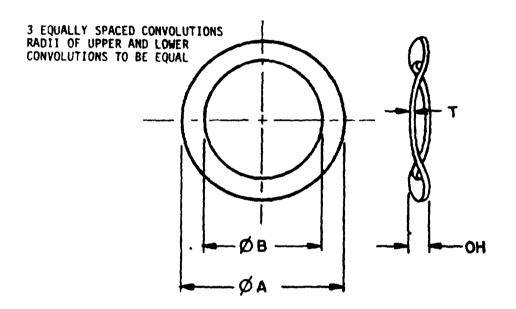
### MILITARY SPECIFICATION SHEET

## WASHER, SPRING TENSION, WAVE, COPPER-BERYLLIUM

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

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



### NOTES:

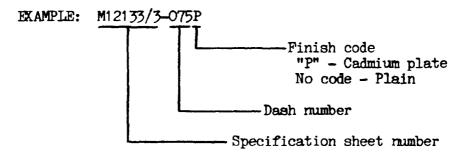
- 1. All dimensions are in inches.
- 2. The dimensions of the finished washers in the unplated condition shall be in accordance with Table I.

FIGURE 1. WASHER, SPRING TENSION, WAVE, COPPER-BERYLLIUM.

## MIL-W-12133/3

### REQUIREMENTS:

- 1. Material: Copper-Beryllium, Copper Alloy number 172 (UNS C17200), 1/4H Temper as specified in ASTM B194.
- 2. Protective coating and finish: Cadmium plate or Plain.
- 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, "P" for Cadmium plate, No code for Plain.



M12133/3-075P Indicates - Washer, Spring Tension, Wave, Copper-Beryllium; Copper Alloy number 172, (UNS C17200) 1/4H Temper; .155 OD; .075 ID; .006 thick; .017 free height; Cadmium Plate

# MIL-W-12133/3

TABLE I. DASH NUMBERS AND DIMENSIONS.

DASH	Ø A OUTSIDE DIAMETER		Øb Inside diameter		T THICKNESS		OH FREE HEIGHT		NOMINAL
NO	MAX	TOL	MIN	TOL	NOM	TOL	NOM	TOL	SIZE
075	.155	+.000 005	.075	+•005 -•000	•006	±.0006	.017	±.003	•060
083	.165		.083		.006		.018		.073
095	.211		.095		.006		.018		<b>.08</b> 6
106	.220		.106		.006		.018		•099
125	255		.125		•006		.021		-112
134	.270		.134		.006		.021		.125
152	.305		.1 52		.008		.028		.138
176	•345		.176		•011	±.0010 ±.0013	.030		.164
203	.380		.203		.012		•032		<b>.</b> 190
266	•505		.266		.015		.042		.250
332	.605		•332		•015		.052		.312
406	.705		.406		.022	+.0020	.064		•375
469	.825		.469		.022		.070	<u>+</u> .005	.438
531	-955		•531		.022		.076		.500
656	1.175		.656		.028	<u>+</u> .0025	•090		.625
781	1 • 395		•781		.028		.095	±.010	.750

3

# MIL-W-12133/3

Custodians:

Army - AR Navy - OS

Air Force - 99

(Project 5310-1235)

Army - AR

Preparing activity:

Review activities:

Army - AV Navy - AS

Air Force - 11, 82 DLA - IS

User activities:

Army - AT, ME, MI Navy - MC, YD

Agent:

DLA - IS

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