

INCH-POUND

MIL-DTL-12133/3A  
19 October 2015  
SUPERSEDING  
MIL-W-12133/3  
30 July 1984

## DETAIL 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 requirements for acquiring the product described herein shall consist of this specification sheet and procurement specification MIL-DTL-12133.

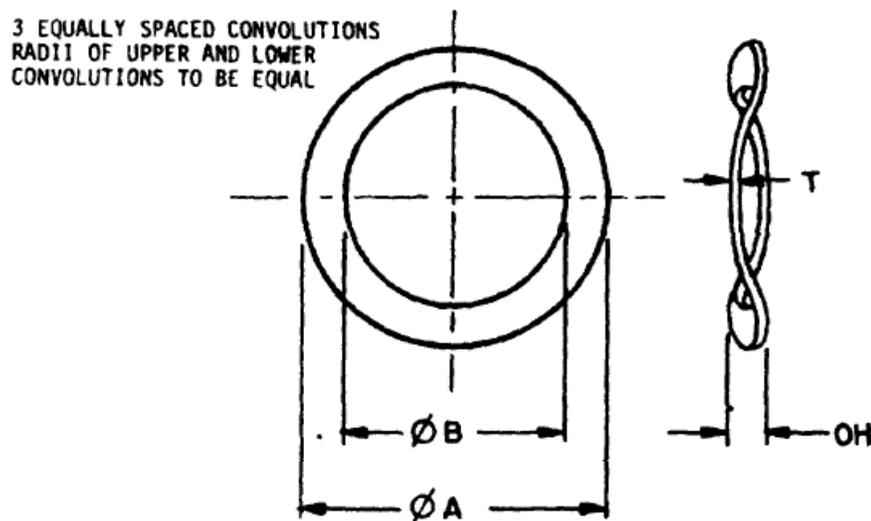


FIGURE 1. WASHER, SPRING TENSION, WAVE, COPPER-BERYLLIUM.

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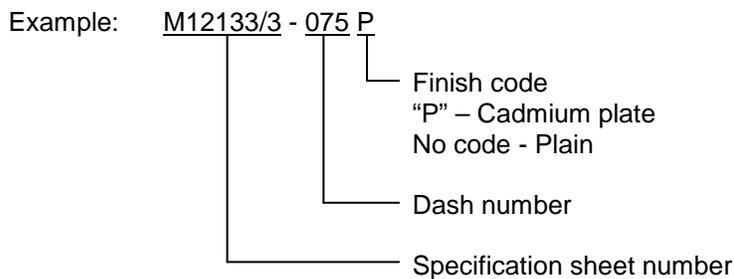
TABLE I. DASH NUMBERS AND DIMENSIONS.

Dash No.	Ø A Outside Diameter		Ø B Inside Diameter		T Thickness		OH Free Height		Nominal Size	
	Max	Tol	Min	Tol	Nom	Tol	Nom	Tol		
075	.155	+.000 -.005	.075	+.005 -.000	.006	±.0006	.017	±.003	.060	
083	.165		.083		.006		.018		.073	
095	.211		.095		.006		.018		.086	
106	.220		.106		.006		.018		.099	
125	.255		.125		.006		.021		.112	
134	.270		.134		.006		.021		.125	
152	.305		.152		.008	±.0008	.028		.138	
176	.345		.176		.011	±.0010	.030		.164	
203	.380		.203		.012	±.0013	.032		.190	
266	.505		.266		.015		.042		.250	
332	.605		.332		.015	±.0020	.052		.312	
406	.705		.406		.022		.064		.375	
469	.825		.469		.022		.070		.438	
531	.955		.531		.022	±.0025	.076		±.005	.500
656	1.175		.656		.028		.090		.625	
781	1.395		.781		.028		.095		±.010	.750

## MIL-DTL-12133/3A

## REQUIREMENTS:

1. Material. Copper-Beryllium (see MIL-DTL-12133).
2. Protective coating and finish. Cadmium plate or Plain (see MIL-DTL-12133).
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 or No Code for Plain.



M12133/3-075P Indicates – Washer, Spring Tension, Wave, Copper-Beryllium; .155 OD; .075 ID; .0006 thick; .017 free height; Cadmium plate.

## NOTES:

1. All dimensions are in inches. See Table I herein for tabulated data.
2. The dimensions of the finished washers in the unplated condition shall be in accordance with Table I.
3. CHANGES FROM PREVIOUS ISSUE. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

## MILITARY INTEREST

## Custodians:

Army - AR  
Navy - OS  
Air Force - 99

## Preparing activity:

DLA - IS

(Project 5310-2015-008)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.