

INCH-POUND

MIL-DTL-12133/2C  
 19 October 2015  
 SUPERSEDING  
 MIL-W-12133/2B  
 17 June 1994

## DETAIL SPECIFICATION SHEET

WASHER, SPRING TENSION, BELLEVILLE SPRING,  
 CORROSION RESISTANT STEEL

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.

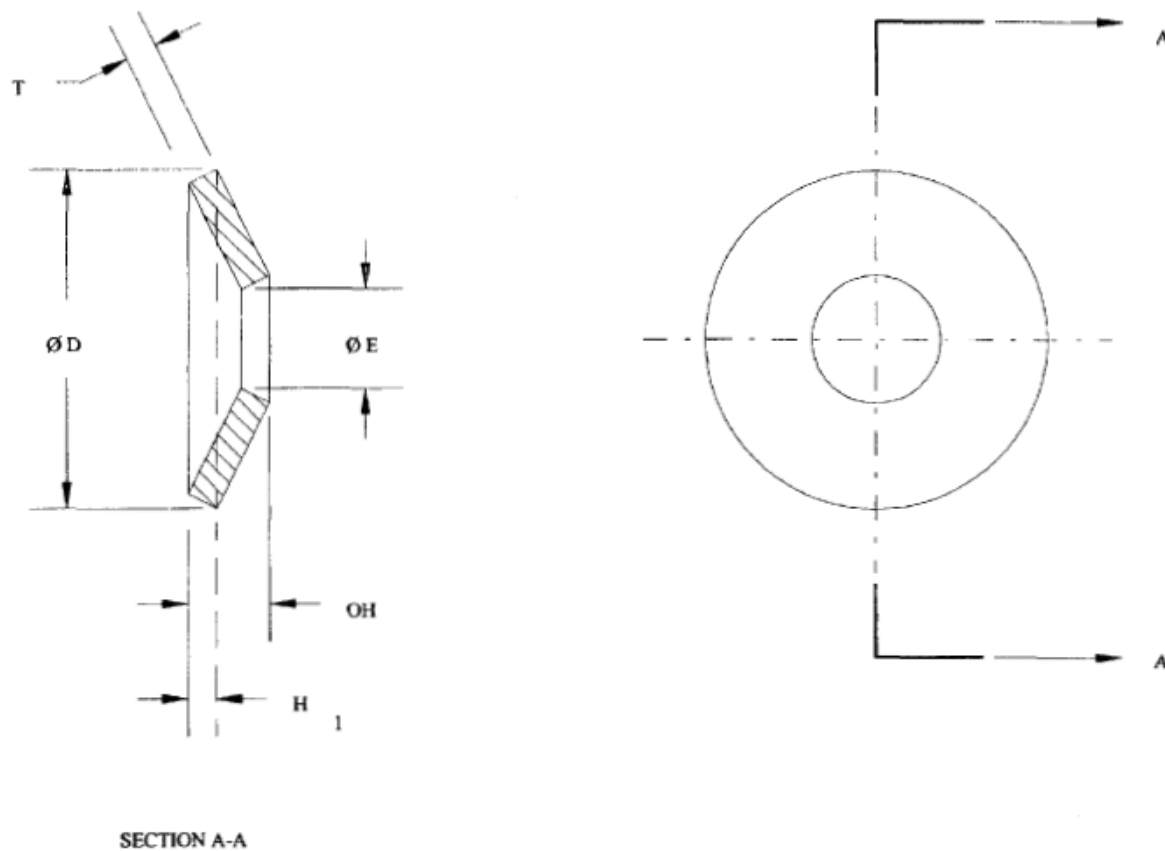


FIGURE 1. WASHER, SPRING TENSION, BELLEVILLE SPRING, CORROSION RESISTANT STEEL.

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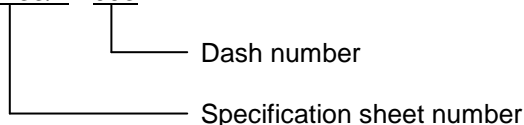
TABLE I. DASH NUMBERS AND DIMENSIONS.

Dash No.	Ø D		Ø E		T Thickness		OH Free Height Nom	H1 Test Deflection (Ref)	Lbs Load at Test Deflection (Lbs)	Load at Flat (Lbs)Ref Height (Nom)	Bolt Diameter (Ref)
	OD	Tol +.000	ID	Tol -.000	Nom	Tol					
093	.187	-.020	.093	+.020	.010	±.001	.015	.002	15-18	27	.094
125	.250	-.020	.125	+.020	.013	±.001	.020	.003	22-27	45	.125
156	.312	-.020	.156	+.020	.017	±.001	.025	.004	34-49	77	.156
190	.375	-.020	.190	+.020	.020	±.001	.030	.005	50-72	110	.188
200	.375	-.020	.190	+.020	.015	±.001	.027	.006	33-45	55	.188
255	.500	-.030	.255	+.030	.025	±.001	.038	.007	80-109	157	.250
400	.625	-.030	.317	+.030	.022	±.002	.042	.010	56-85	104	.313
317	.625	-.030	.317	+.030	.032	±.002	.048	.008	123-175	259	.313
380	.750	-.035	.380	+.035	.040	±.002	.059	.010	210-281	418	.375
505	1.000	-.035	.505	+.035	.050	±.002	.075	.013	308-428	596	.500
567	1.125	-.035	.567	+.035	.056	±.002	.084	.014	374-499	745	.563
630	1.250	-.040	.630	+.040	.062	±.002	.092	.015	440-582	876	.625
755	1.500	-.040	.755	+.040	.045	±.002	.093	.024	239-301	367	.750
100	2.000	-.040	1.000	+.040	.065	±.002	.130	.032	547-651	842	1.000
900	2.500	-.040	1.250	+.040	.125	±.005	.180	.030	1683-2161	3268	1.250

## REQUIREMENTS:

1. Material. Corrosion resistant steel (CRES) (see MIL-DTL-12133).
2. Cleaning, descaling and passivation. Corrosion resistant steel washers shall be cleaned, descaled and passivated (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.

Example: M12133/2 - 093



M12133/2-093 Indicates – Washer, Spring Tension, Belleville Spring, Corrosion Resistant Steel, .187 OD, .093 ID, .010 thick, .015 free height.

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NOTES:

1. All dimensions are in inches. See Table I herein for tabulated data.
2. 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 5310-2015-007)

Review activities:

Army – AT, CR, CR4, MI  
Navy – AS, MC, YD  
Air Force - 71

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>.