



## Mil Spec Disc Springs to Military Specifications MIL-W-12133/D Spring Tension Washers

### Material

MIL-W-12133/1 for spring steel (i.e., C1075)

MIL-W-12133/2 for stainless steel (T302 or 17-7)

<b>MIL-W-12133/1C</b> AISI 1075 Spring Steel					
<i>includes magnetic particle inspection and decarb testing</i>					
MPS PART NUMBER	DASH NUMBER	DIMENSIONS (inches)			
		OD	ID	t	OH
M12133/1-62	62	0.250	0.125	0.009	0.017
M12133/1-1	1	0.250	0.125	0.013	0.020
M12133/1-69	69	0.315	0.125	0.012	0.022
M12133/1-60	60	0.281	0.138	0.015	0.023
M12133/1-2	2	0.312	0.156	0.017	0.025
M12133/1-61	61	0.343	0.164	0.016	0.023
M12133/1-63	63	0.375	0.195	0.020	0.030
M12133/1-3	3	0.375	0.195	0.015	0.027
M12133/1-4	4	0.500	0.258	0.020	0.036
M12133/1-64	64	0.500	0.258	0.018	0.034
M12133/1-5	5	0.625	0.317	0.032	0.051
M12133/1-65	65	0.750	0.382	0.028	0.050
M12133/1-6	6	0.750	0.382	0.032	0.054
M12133/1-66	66	0.750	0.382	0.040	0.059
M12133/1-68	68	0.875	0.442	0.045	0.067
M12133/1-7	7	1.000	0.445	0.035	0.067
M12133/1-67	67	1.000	0.505	0.050	0.075
M12133/1-8	8	1.000	0.512	0.039	0.075
M12133/1-9	9	1.102	0.512	0.049	0.083
M12133/1-10	10	1.375	0.637	0.059	0.102
M12133/1-11	11	1.500	0.761	0.059	0.114
M12133/1-12	12	1.500	0.761	0.078	0.121
M12133/1-13	13	1.750	0.880	0.089	0.128
M12133/1-14	14	2.000	1.016	0.079	0.136
M12133/1-15	15	2.373	1.016	0.098	0.137

<b>MIL-W-12133/2B</b> 17/7 PH or 301/302 Stainless Steel					
<i>includes passivation and dye penetrant inspection</i>					
MPS PART NUMBER	DASH NUMBER	DIMENSIONS (inches)			
		OD	ID	t	OH
M12133/2-93	093	0.187	0.093	0.010	0.015
M12133/2-125	125	0.250	0.125	0.013	0.020
M12133/2-156	156	0.312	0.156	0.017	0.025
M12133/2-190	190	0.375	0.190	0.020	0.030
M12133/2-200	200	0.375	0.190	0.015	0.027
M12133/2-255	255	0.500	0.255	0.025	0.038
M12133/2-400	400	0.625	0.317	0.022	0.042
M12133/2-317	317	0.625	0.317	0.032	0.048
M12133/2-380	380	0.750	0.380	0.040	0.059
M12133/2-505	505	1.000	0.505	0.050	0.075
M12133/2-567	567	1.125	0.567	0.056	0.084
M12133/2-630	630	1.250	0.630	0.062	0.092
M12133/2-755	755	1.500	0.755	0.045	0.093
M12133/2-100	100	2.000	1.000	0.065	0.130
M12133/2-900	900	2.500	1.250	0.125	0.180

### FINISH CODES

*applicable to all MIL spec springs*

**P** = electro-deposited cadmium (per QQ-P-416 Type II Class 2)

**M** = mechanically-deposited cadmium (per MIL-C-81562 Type II Class 2)

**Z** = either mechanical zinc with supplementary chromate (per MIL-C-81562 Type II Class 2) or electro-deposited zinc (per ASTM B633, Fe/Zn 13, Type II)

**NOTE:** If finish spec code is blank, part is supplied as plain.

### PART NUMBER SYSTEM

The part number consists of the MPS Part Number, followed by the Material (1 or 2), a Dash Number (size in inches), and a Finish code

<b>M12133/</b>	<b>1-</b>	<b>1-</b>	<b>P</b>
<i>MPS Part Number</i>	<i>Material</i>	<i>Dash Number</i>	<i>Finish</i>
	(1 = steel; 2 = stainless)	(dimensions in inches; see product charts)	(see Finish Codes chart)

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# Maryland Precision Spring

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- Steel
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