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)

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

<table>
<thead>
<tr>
<th>MPS PART NUMBER</th>
<th>DASH NUMBER</th>
<th>DIMENSIONS (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M12133/1-62</td>
<td>62</td>
<td>0.250 0.125 0.009 0.017</td>
</tr>
<tr>
<td>M12133/1-1</td>
<td>1</td>
<td>0.250 0.125 0.013 0.020</td>
</tr>
<tr>
<td>M12133/1-69</td>
<td>69</td>
<td>0.315 0.125 0.012 0.022</td>
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<tr>
<td>M12133/1-60</td>
<td>60</td>
<td>0.281 0.138 0.015 0.023</td>
</tr>
<tr>
<td>M12133/1-2</td>
<td>2</td>
<td>0.312 0.156 0.017 0.025</td>
</tr>
<tr>
<td>M12133/1-61</td>
<td>61</td>
<td>0.343 0.164 0.016 0.023</td>
</tr>
<tr>
<td>M12133/1-63</td>
<td>63</td>
<td>0.375 0.195 0.020 0.030</td>
</tr>
<tr>
<td>M12133/1-3</td>
<td>3</td>
<td>0.375 0.195 0.015 0.027</td>
</tr>
<tr>
<td>M12133/1-4</td>
<td>4</td>
<td>0.500 0.258 0.020 0.036</td>
</tr>
<tr>
<td>M12133/1-64</td>
<td>64</td>
<td>0.500 0.258 0.018 0.034</td>
</tr>
<tr>
<td>M12133/1-1</td>
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<td>0.625 0.317 0.032 0.051</td>
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<tr>
<td>M12133/1-65</td>
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<td>0.750 0.382 0.028 0.050</td>
</tr>
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<td>M12133/1-6</td>
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<td>0.750 0.382 0.032 0.054</td>
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<tr>
<td>M12133/1-66</td>
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<td>0.750 0.382 0.040 0.059</td>
</tr>
<tr>
<td>M12133/1-68</td>
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<td>0.875 0.442 0.045 0.067</td>
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<tr>
<td>M12133/1-7</td>
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<td>1.000 0.445 0.035 0.067</td>
</tr>
<tr>
<td>M12133/1-67</td>
<td>67</td>
<td>1.000 0.505 0.050 0.075</td>
</tr>
<tr>
<td>M12133/1-8</td>
<td>8</td>
<td>1.000 0.512 0.039 0.075</td>
</tr>
<tr>
<td>M12133/1-9</td>
<td>9</td>
<td>1.102 0.512 0.049 0.083</td>
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<tr>
<td>M12133/1-10</td>
<td>10</td>
<td>1.375 0.637 0.059 0.102</td>
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<td>M12133/1-11</td>
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<td>1.500 0.761 0.059 0.114</td>
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<tr>
<td>M12133/1-12</td>
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<td>1.500 0.761 0.078 0.121</td>
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<td>M12133/1-13</td>
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<td>1.750 0.880 0.089 0.128</td>
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<td>M12133/1-14</td>
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<td>2.000 1.016 0.079 0.136</td>
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<tr>
<td>M12133/1-15</td>
<td>15</td>
<td>2.373 1.016 0.098 0.137</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>MPS Part Number</th>
<th>Material (1 = steel; 2 = stainless)</th>
<th>Dash Number (dimensions in inches; see product charts)</th>
<th>Finish (see Finish Codes chart)</th>
</tr>
</thead>
</table>

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- Flange
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- Serrated
- Slotted
- Mil Spec Springs

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- Extension Springs
- Torsion Springs
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- Brush Box Motor Assemblies
- Circuit Breaker Stab Assemblies
- Laminated Spring Assemblies

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- Variable Force Springs

MATERIALS
- Steel
- Stainless
- Inconel
- Brass
- Copper
- Beryllium Copper
- Silver
- Zinc

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- Zinc

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