



SS Stainless Steel

4 Type

- E With tapped hole
- S With threaded stud

Specification



- Mount body
Natural rubber (NR)
 - Black
 - Vulcanized to the cover plate
 - Temperature resistant up to 176 °F (80 °C)
- **GN 353**
 - Cover plate / tapped insert / threaded stud
Steel, zinc plated, blue passivated finish
 - Shore hardness A ±5

Soft	40
Medium	55
Hard	70
- **GN 453**
 - Cover plate / tapped insert / threaded stud
Stainless steel AISI 304
 - Shore hardness A ±5

Medium	55
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- [Elastomer Characteristics](#) → page 2135
- [Stainless Steel Characteristics](#) → page 2143
- [RoHS compliant](#)

On request

- Gray color rubber
- For GN 453 shore hardness A ±5

- Soft*	40
- Hard*	70

Information

GN 353 and GN 453 vibration / shock absorption mounts are used as end-stop bumpers, e.g. for conveyors.

They absorb most of the accumulated kinetic energy on impact. They act as dampers and prevent damaging shock and rebound. They also act as sound dampers.

The parabolic shape of these mounts generates progressive resilience characteristics: impact and shock effects are absorbed more gently.

see also...

- [Vibration Isolation Mounts GN 351 / GN 451 \(Cylindrical Type\)](#) → page 1610
- [Vibration / Shock Absorption Mounts GN 352 / GN 452 \(Cylindrical Type\)](#) → page 1620
- [Vibration / Shock Absorption Mounts GN 353.1 / GN 453.1 \(Inch Size\)](#) → page 1622
- [Vibration / Shock Absorption Mounts GN 353.2 / GN 453.2 \(Inch Size\)](#) → page 1623
- [Mounting Blocks GN 412.1 \(Mounting Aid\)](#) → page 998

<p>How to order (Steel)</p> <div style="text-align: center; margin: 10px 0;"> 1 2 3 4 5 </div> <p style="font-weight: bold; font-size: 1.2em;">GN 353-70-58-M12-S-70</p>	<table style="width: 100%; border: none;"> <tr><td style="border: none;">1</td><td style="border: none;">Outer diameter d₁</td></tr> <tr><td style="border: none;">2</td><td style="border: none;">Height h</td></tr> <tr><td style="border: none;">3</td><td style="border: none;">Thread d₂</td></tr> <tr><td style="border: none;">4</td><td style="border: none;">Type</td></tr> <tr><td style="border: none;">5</td><td style="border: none;">Hardness</td></tr> </table>	1	Outer diameter d ₁	2	Height h	3	Thread d ₂	4	Type	5	Hardness
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<p>How to order (Stainless steel)</p> <div style="text-align: center; margin: 10px 0;"> 1 2 3 4 5 </div> <p style="font-weight: bold; font-size: 1.2em;">GN 453-50-68-M10-E-55</p>	<table style="width: 100%; border: none;"> <tr><td style="border: none;">1</td><td style="border: none;">Outer diameter d₁</td></tr> <tr><td style="border: none;">2</td><td style="border: none;">Height h</td></tr> <tr><td style="border: none;">3</td><td style="border: none;">Thread d₂</td></tr> <tr><td style="border: none;">4</td><td style="border: none;">Type</td></tr> <tr><td style="border: none;">5</td><td style="border: none;">Hardness</td></tr> </table>	1	Outer diameter d ₁	2	Height h	3	Thread d ₂	4	Type	5	Hardness
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Metric table

Dimensions in: millimeters - *inches*

d ₁	h	d ₂ Thread	Length l	s	t		Spring rate ≈			Max. load			Max. deflection ≈
					GN 353	GN 453	Hardness 40	Hardness 55	Hardness 70	Hardness 40	Hardness 55	Hardness 70	
10 <i>0.39</i>	10 <i>0.39</i>	M 5	12 <i>0.47</i>	1.2 <i>0.05</i>	5 <i>0.20</i>	5 <i>0.20</i>	14 N/mm <i>79.95 lbf/in</i>	20 N/mm <i>114 lbf/in</i>	40 N/mm <i>228 lbf/in</i>	46 N <i>10.34 lbf</i>	59 N <i>13.26 lbf</i>	113 N <i>25.40 lbf</i>	3 <i>0.12</i>
20 <i>0.79</i>	15 <i>0.59</i>	M 6	18 <i>0.71</i>	2 <i>0.08</i>	6 <i>0.24</i>	6 <i>0.24</i>	30 N/mm <i>171 lbf/in</i>	49 N/mm <i>280 lbf/in</i>	78 N/mm <i>445 lbf/in</i>	130 N <i>29.23 lbf</i>	195 N <i>43.84 lbf</i>	320 N <i>71.94 lbf</i>	4 <i>0.16</i>
20 <i>0.79</i>	24 <i>0.94</i>	M 6	18 <i>0.71</i>	2 <i>0.08</i>	6 <i>0.24</i>	6 <i>0.24</i>	14 N/mm <i>79.95 lbf/in</i>	22 N/mm <i>126 lbf/in</i>	55 N/mm <i>314 lbf/in</i>	82 N <i>18.43 lbf</i>	130 N <i>29.23 lbf</i>	330 N <i>74.19 lbf</i>	6 <i>0.24</i>
25 <i>0.98</i>	20 <i>0.79</i>	M 6	18 <i>0.71</i>	2 <i>0.08</i>	6 <i>0.24</i>	6 <i>0.24</i>	16 N/mm <i>91.37 lbf/in</i>	38 N/mm <i>217 lbf/in</i>	96 N/mm <i>548 lbf/in</i>	84 N <i>18.88 lbf</i>	190 N <i>42.71 lbf</i>	495 N <i>111 lbf</i>	5 <i>0.20</i>
30 <i>1.18</i>	30 <i>1.18</i>	M 8	18 <i>0.71</i>	2 <i>0.08</i>	8 <i>0.31</i>	8 <i>0.31</i>	25 N/mm <i>143 lbf/in</i>	35 N/mm <i>200 lbf/in</i>	84 N/mm <i>480 lbf/in</i>	190 N <i>42.71 lbf</i>	260 N <i>58.45 lbf</i>	630 N <i>142 lbf</i>	7.5 <i>0.30</i>
30 <i>1.18</i>	36 <i>1.42</i>	M 8	20 <i>0.79</i>	2 <i>0.08</i>	8 <i>0.31</i>	8 <i>0.31</i>	20 N/mm <i>114 lbf/in</i>	36 N/mm <i>206 lbf/in</i>	72 N/mm <i>411 lbf/in</i>	180 N <i>40.47 lbf</i>	320 N <i>71.94 lbf</i>	650 N <i>146 lbf</i>	9 <i>0.35</i>
35 <i>1.38</i>	40 <i>1.57</i>	M 8	23 <i>0.91</i>	2 <i>0.08</i>	8 <i>0.31</i>	8 <i>0.31</i>	26 N/mm <i>148 lbf/in</i>	30 N/mm <i>171 lbf/in</i>	63 N/mm <i>360 lbf/in</i>	260 N <i>58.45 lbf</i>	300 N <i>67.44 lbf</i>	630 N <i>142 lbf</i>	10 <i>0.39</i>
50 <i>1.97</i>	50 <i>1.97</i>	M 10	28 <i>1.10</i>	2 <i>0.08</i>	10 <i>0.39</i>	8 <i>0.31</i>	54 N/mm <i>308 lbf/in</i>	78 N/mm <i>445 lbf/in</i>	90 N/mm <i>514 lbf/in</i>	675 N <i>152 lbf</i>	970 N <i>218 lbf</i>	1120 N <i>252 lbf</i>	12.5 <i>0.49</i>
50 <i>1.97</i>	61 <i>2.40</i>	M 8	28 <i>1.10</i>	2 <i>0.08</i>	8 <i>0.31</i>	8 <i>0.31</i>	32 N/mm <i>183 lbf/in</i>	39 N/mm <i>223 lbf/in</i>	100 N/mm <i>571 lbf/in</i>	490 N <i>110 lbf</i>	600 N <i>135 lbf</i>	1520 N <i>342 lbf</i>	15.25 <i>0.60</i>
50 <i>1.97</i>	68 <i>2.68</i>	M 10	28 <i>1.10</i>	2 <i>0.08</i>	10 <i>0.39</i>	8 <i>0.31</i>	52 N/mm <i>297 lbf/in</i>	52 N/mm <i>297 lbf/in</i>	115 N/mm <i>657 lbf/in</i>	890 N <i>200 lbf</i>	890 N <i>200 lbf</i>	1950 N <i>438 lbf</i>	17 <i>0.67</i>
70 <i>2.76</i>	58 <i>2.28</i>	M 12	37 <i>1.46</i>	3 <i>0.12</i>	12 <i>0.47</i>	11 <i>0.43</i>	82 N/mm <i>468 lbf/in</i>	110 N/mm <i>628 lbf/in</i>	140 N/mm <i>799 lbf/in</i>	1150 N <i>259 lbf</i>	1520 N <i>342 lbf</i>	1990 N <i>447 lbf</i>	14 <i>0.55</i>
75 <i>2.95</i>	89 <i>3.50</i>	M 12	37 <i>1.46</i>	3 <i>0.12</i>	12 <i>0.47</i>	11 <i>0.43</i>	66 N/mm <i>377 lbf/in</i>	98 N/mm <i>560 lbf/in</i>	125 N/mm <i>714 lbf/in</i>	1330 N <i>299 lbf</i>	1960 N <i>441 lbf</i>	2540 N <i>571 lbf</i>	20 <i>0.79</i>

* Not available from stock, requires a minimum order quantity

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