



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)
  - Shore hardness A ±5  
Medium **55**

- **GN 353**  
Cover plate, tapped insert, threaded stud  
Steel, zinc plated, blue passivated finish, molded-in

- **GN 453**  
Cover plate, tapped insert, threaded stud  
Stainless steel  
European Standard No. 1.4301 (AISI 304), molded-in

- RoHS compliant

**On request**

- Versions with shore hardness A ±5
  - Soft **40**
  - Hard **70**
- Gray color rubber
- Specials, with certain minimum quantities

**Information**

GN 353 and GN 453 vibration / shock absorption mounts are frequently 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. These isolation mounts are also used as set-up elements and leveling feet.

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

For inch versions see GN 353.1, GN 353.2, GN 453.1 or GN 453.2.

see also...

- *Vibration Isolation Mounts GN 351 / GN 451*
- *Vibration / Shock Absorption Mounts GN 352 / GN 452*
- *Mounting Blocks GN 412.1*

<p>How to order (Steel)</p> <p style="text-align: center;"> </p> <p style="text-align: center;"><b>GN 353-10-10-M5-E-55</b></p>	1	Outside diameter $d_1$
	2	Height $h$
	3	Thread $d_2$
	4	Type
	5	Hardness

<p>How to order (Stainless Steel)</p> <p style="text-align: center;"> </p> <p style="text-align: center;"><b>GN 453-30-36-M8-E-55</b></p>	1	Outside diameter $d_1$
	2	Height $h$
	3	Thread $d_2$
	4	Type
	5	Hardness

**Metric table**

Dimensions in: millimeters - inches

d <sub>1</sub>	h	d <sub>2</sub>	Length Type S	l	s	t Type E	Spring rate ≈			Max. load			Max. deflection ≈		
							Hardness 40	Hardness 55	Hardness 70	Hardness 40	Hardness 55	Hardness 70	Hardness 40	Hardness 55	Hardness 70
10 .39	10 .39	M 5	12 .47	1.2 .05	5 .20	14 N/mm 79.95 lbf/in	20 N/mm 114 lbf/in	40 N/mm 228 lbf/in	46 N 10.34 lbf	59 N 13.26 lbf	113 N 25.40 lbf	3 .12	3 .12	2.75 .11	
20 .79	15 .59	M 6	18 .71	2 .08	6 .24	30 N/mm 171 lbf/in	49 N/mm 280 lbf/in	78 N/mm 445 lbf/in	130 N 29.23 lbf	195 N 43.84 lbf	320 N 71.94 lbf	4 .16	4 .16	4 .16	
20 20.47	24 .94	M 6	18 .71	2 .08	6 .24	14 N/mm 79.95 lbf/in	22 N/mm 126 lbf/in	55 N/mm 314 lbf/in	82 N 18.43 lbf	130 N 29.23 lbf	330 N 74.19 lbf	6 .24	6 .24	5 .20	
25 .98	20 .79	M 6	18 .71	2 .08	6 .24	16 N/mm 91.37 lbf/in	38 N/mm 217 lbf/in	96 N/mm 548 lbf/in	84 N 18.88 lbf	190 N 42.71 lbf	495 N 111 lbf	5 .20	5 .20	5.25 .21	
30 1.18	30 1.18	M 8	18 .71	2 .08	8 .31	25 N/mm 143 lbf/in	35 N/mm 200 lbf/in	84 N/mm 480 lbf/in	190 N 42.71 lbf	260 N 58.45 lbf	630 N 142 lbf	7.5 .30	7.5 .30	7.5 .30	
30 1.18	36 1.42	M 8	20 .79	2 .08	8 .31	20 N/mm 114 lbf/in	36 N/mm 206 lbf/in	72 N/mm 411 lbf/in	180 N 40.47 lbf	320 N 71.94 lbf	650 N 146 lbf	9 .35	9 .35	9 .35	
35 1.38	40 1.57	M 8	23 .91	2 .08	8 .31	26 N/mm 148 lbf/in	30 N/mm 171 lbf/in	63 N/mm 360 lbf/in	260 N 58.45 lbf	300 N 67.44 lbf	630 N 142 lbf	10 .39	10 .39	10 .39	
50 1.97	50 1.97	M 10	28 1.10	2 .08	10 .39	54 N/mm 308 lbf/in	78 N/mm 445 lbf/in	90 N/mm 514 lbf/in	675 N 152 lbf	970 N 218 lbf	1120 N 252 lbf	12.5 .49	12.5 .49	12.5 .49	
50 1.97	61 2.40	M 8	28 1.10	2 .08	8 .31	32 N/mm 183 lbf/in	39 N/mm 223 lbf/in	100 N/mm 571 lbf/in	490 N 110 lbf	600 N 135 lbf	1520 N 342 lbf	15.25 .60	15.25 .60	15.25 .60	
50 1.97	68 2.68	M 10	28 1.10	2 .08	10 .39	52 N/mm 297 lbf/in	52 N/mm 297 lbf/in	115 N/mm 657 lbf/in	890 N 200 lbf	890 N 200 lbf	1950 N 438 lbf	17 .67	17 .67	17 .67	
70 2.76	58 2.28	M 12	37 1.46	3 .12	12 .47	82 N/mm 468 lbf/in	110 N/mm 628 lbf/in	140 N/mm 799 lbf/in	1150 N 259 lbf	1520 N 342 lbf	1990 N 447 lbf	14 .55	14 .55	14 .55	
75 2.95	89 3.50	M 12	37 1.46	3 .12	12 .47	66 N/mm 377 lbf/in	98 N/mm 560 lbf/in	125 N/mm 714 lbf/in	1330 N 299 lbf	1960 N 441 lbf	2540 N 571 lbf	20 .79	20 .79	20 .79	

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9