



SS Stainless Steel

Metric table

Dimensions in: millimeters - inches

1 d ₁	2 h	3 d ₂	d ₃	s	Spring rate ≈			Max. load			Max. deflection ≈
					Hardness 40	Hardness 55	Hardness 70	Hardness 40	Hardness 55	Hardness 70	
16 0.63	8 0.31	4.3 0.17	8 0.31	1 0.04	75 N/mm 428 lbf/in	140 N/mm 799 lbf/in	223 N/mm 1273 lbf/in	150 N 33.72 lbf	280 N 62.95 lbf	445 N 100 lbf	2 0.08
20 0.79	10 0.39	5.3 0.21	9.5 0.37	1.2 0.05	89 N/mm 508 lbf/in	148 N/mm 845 lbf/in	240 N/mm 1371 lbf/in	223 N 50.13 lbf	370 N 83.18 lbf	600 N 135 lbf	2.5 0.10
25 0.98	12 0.47	6.4 0.25	11 0.43	1.6 0.06	113 N/mm 645 lbf/in	210 N/mm 1199 lbf/in	317 N/mm 1810 lbf/in	340 N 76.44 lbf	630 N 142 lbf	950 N 214 lbf	3 0.12
35 1.38	16 0.63	8.4 0.33	14 0.55	2 0.08	175 N/mm 999 lbf/in	345 N/mm 1970 lbf/in	599 N/mm 3421 lbf/in	700 N 157 lbf	1380 N 310 lbf	2395 N 538 lbf	4 0.16
42 1.65	20 0.79	8.4 0.33	17.5 0.69	2 0.08	220 N/mm 1256 lbf/in	360 N/mm 2056 lbf/in	668 N/mm 3815 lbf/in	1100 N 247 lbf	1800 N 405 lbf	3340 N 751 lbf	5 0.20
42 1.65	20 0.79	10.5 0.41	17.5 0.69	2.5 0.10	220 N/mm 1256 lbf/in	360 N/mm 2056 lbf/in	668 N/mm 3815 lbf/in	1100 N 247 lbf	1800 N 405 lbf	3340 N 751 lbf	5 0.20
56 2.20	24 0.94	8.4 0.33	19.5 0.77	2 0.08	333 N/mm 1902 lbf/in	577 N/mm 3295 lbf/in	1000 N/mm 5711 lbf/in	2000 N 450 lbf	3460 N 778 lbf	6000 N 1349 lbf	6 0.24
56 2.20	24 0.94	13 0.51	19.5 0.77	3 0.12	333 N/mm 1902 lbf/in	577 N/mm 3295 lbf/in	1000 N/mm 5711 lbf/in	2000 N 450 lbf	3460 N 778 lbf	6000 N 1349 lbf	6 0.24

Specification

- Mount body
 - Rubber NBR (Perbunan®)
 - Black
 - Vulcanized to the retaining washer
 - Temperature resistant up to 248 °F (120 °C)
 - Shore hardness A ±5

Soft	40
Medium	55
Hard	70
- Retaining washer
 - Stainless steel AISI 304
- Elastomer Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

Information

GN 454 vibration / shock absorption mounts are used as end-stop bumpers, e.g. for conveyors. They can be mounted on the damping side with DIN 912 socket cap screws.

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.

see also...

- Vibration / Shock Absorption Mounts GN 352 / GN 452 (Cylindrical Type) → page 1620
- Vibration / Shock Absorption Mounts GN 353 / GN 453 (Conical Type) → page 1624

How to order	
1	Outer diameter d ₁
2	Height h
3	Inner diameter d ₂
4	Hardness

1 2 3 4
GN 454-42-20-10.5-55

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10