



Inch



Inch table

¹ d₁	² h	³ d₂	Length l	s	Spring rate ≈ Hardness 55	Max. load Hardness 55	Max. deflection ≈ Hardness 55
0.75 19	0.98 25	1/4 x 20	0.51 13	0.08 2	90.96 15.93 N/mm	22.00 lbf 97.86 N	0.24 6.1
0.98* 25	1.26 32	1/4 x 20	0.51 13	0.08 2	132 23.11 N/mm	33.00 lbf 146.79 N	0.25 6.4
1.26* 32	1.50 38	5/16 x 18	0.63 16	0.08 2	155 27.14 N/mm	45.00 lbf 200.16 N	0.29 7.4
1.50* 38	1.77 45	5/16 x 18	0.63 16	0.08 2	374 65.49 N/mm	146 lbf 649.44 N	0.39 9.9
1.77* 45	2.01 51	3/8 x 16	0.63 16	0.08 2	284 49.73 N/mm	168 lbf 747.3 N	0.59 15
2.01* 51	2.24 57	3/8 x 16	1.10 28	0.08 2	285 49.91 N/mm	191 lbf 849.61 N	0.67 17

Dimensions in: inches / millimeters

*Steel size not available from stock with Shore hardness 70; require minimum order quantity

Specification

Rubber

- Natural rubber (NR), black
- Vulcanized to the cover plate
- Operating temperature up to 176 °F (80 °C)
- Shore hardness A ±5
- Medium **55**
- Hard **70**

GN 353.1

Cover plate / Threaded stud

Steel, zinc plated, yellow passivated finish

GN 453.1

Cover plate / Threaded stud

Stainless steel AISI 304
Only in hardness 55

RoHS

On request

- Versions with Shore hardness 40

Technical Information

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Vibration / shock absorption mounts GN 353.1 / GN 453.1 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...

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GN 352.2 GN 452.2 Vibration / Shock Absorption Mounts (Cylindrical Type, with Tapped Hole)	QVX
GN 353 GN 453 Vibration / Shock Absorption Mounts (Metric Size)	QVX
GN 352.1 GN 452.1 Vibration / Shock Absorption Mounts (Cylindrical Type, with Threaded Stud)	QVX
GN 353.2 GN 453.2 Vibration / Shock Absorption Mounts (with Tapped Hole)	QVX

How to order (Steel)

GN 353.1-19-25-1/4X20-55

- Outer diameter **d₁**
- Height **h**
- Thread **d₂**
- Hardness

How to order (Stainless steel)

GN 453.1-32-38-5/16X18-55

- Outer diameter **d₁**
- Height **h**
- Thread **d₂**
- Hardness

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10