



SS Stainless Steel

Inch table

| ¹ d_1 | ² h | ³ d_2 Thread | Length l | s | Spring rate \approx Hardness 55 | Max. load Hardness 55 | Max. deflection \approx |
|--------------------|------------------|------------------------------|------------|----------|--------------------------------------|--------------------------|---------------------------|
| .75 19 | .98 25 | 1/4 x 20 | .51 13 | .08 2 | 90.97 lbf/in 15.93 N/mm | 22.00 lbf 97.86 N | .24 6.09 |
| .98 25 | 1.26 32 | 1/4 x 20 | .51 13 | .08 2 | 132 lbf/in 23.11 N/mm | 33.00 lbf 146.79 N | .25 6.35 |
| 1.26 32 | 1.50 38 | 5/16 x 18 | .63 16 | .08 2 | 155 lbf/in 27.14 N/mm | 45.00 lbf 200.16 N | .29 7.36 |
| 1.50 38 | 1.77 45 | 5/16 x 18 | .63 16 | .08 2 | 374 lbf/in 65.49 N/mm | 146 lbf 649.44 N | .39 9.90 |
| 1.77 45 | 2.01 51 | 3/8 x 16 | .63 16 | .08 2 | 284 lbf/in 49.73 N/mm | 168 lbf 747.30 N | .59 14.98 |
| 2.01 51 | 2.24 57 | 3/8 x 16 | 1.10 28 | .08 2 | 285 lbf/in 49.91 N/mm | 191 lbf 849.61 N | .67 17.01 |

Dimensions in: inches - millimeters

Specification

- Mount body
Natural rubber (NR)
 - Black
 - Vulcanized to the cover plate
 - Shore hardness A ± 5
Medium

⁴

55

- GN 353.1**
Cover plate, threaded stud
Steel, zinc plated, molded-in

- GN 453.1**
Cover plate, 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
- Specials, with certain minimum quantities

Information

GN 353.1 and GN 453.1 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 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 metric versions see GN 353 or GN 453.

see also...

- Vibration / Shock Absorption Mounts GN 353 / GN 453
- Vibration / Shock Absorption Mounts GN 353.2 / GN 453.2

How to order (Steel)

¹ ² ³ ⁴
GN 353.1-19-25-1/4X20-55

- | | |
|---|------------------------|
| 1 | Outside diameter d_1 |
| 2 | Height h |
| 3 | Thread d_2 |
| 4 | Hardness |

How to order (Stainless Steel)

¹ ² ³ ⁴
GN 453.1-32-38-5/16X18-55

- | | |
|---|------------------------|
| 1 | Outside diameter d_1 |
| 2 | Height h |
| 3 | Thread d_2 |
| 4 | Hardness |