



Inch table

Dimensions in: inches - millimeters

d ₁	d ₂ Thread	Length l					d ₃	h	s	t	Spring rate ≈ Hardness 55	Max. load Hardness 55	Max. deflection ≈
		.25	.37	.75	-	-							
.75 19	10 x 24	.25 6.3	.37 9.5	.75 19	-	-	.47 12	.63 16	.08 2	.20 5	160 lbf/in 28 N/mm	24.73 lbf 110 N	.16 4
.98 25	1/4 x 20	.31 7.9	.50 12.7	1.00 25.4	-	-	.65 16.5	.81 20.5	.08 2	.24 6	468 lbf/in 82 N/mm	96.67 lbf 430 N	.21 5.25
1.26 32	5/16 x 18	.37 9.5	.56 14.3	.63 15.9	.87 22.2	1.25 31.8	.83 21	1.02 26	.08 2	.31 8	799 lbf/in 140 N/mm	205 lbf 910 N	.26 6.5
1.50 38	5/16 x 18	.37 9.5	.56 14.3	.63 15.9	.87 22.2	1.25 31.8	.96 24.5	1.26 32	.08 2	.31 8	714 lbf/in 125 N/mm	270 lbf 1200 N	.37 9.5
1.97 50	3/8 x 16	.63 15.9	.75 19	1.25 31.8	-	-	1.26 32	1.69 43	.08 2	.39 10	885 lbf/in 155 N/mm	364 lbf 1620 N	.41 10.5

Metric table

Dimensions in: millimeters - inches

d ₁	d ₂ Thread	Length l					d ₃	h	s	t	Spring rate ≈ Hardness 55	Max. load Hardness 55	Max. deflection ≈
		6	10	20	-	-							
19 .75	M 5	6 .24	10 .39	20 .79	-	-	12 .47	16 .63	2 .08	5 .20	28 N/mm 160 lbf/in	110 N 24.73 lbf	4 .16
25 .98	M 6	8 .31	12 .47	25 .98	-	-	16.5 .65	20.5 .81	2 .08	6 .24	82 N/mm 468 lbf/in	430 N 96.67 lbf	5.25 .21
32 1.26	M 8	10 .39	16 .63	30 1.18	.87 22.2	1.25 31.8	21 .83	26 1.02	2 .08	8 .31	140 N/mm 799 lbf/in	910 N 205 lbf	6.5 .26
38 1.50	M 8	10 .39	16 .63	30 1.18	.87 22.2	1.25 31.8	24.5 .96	32 1.26	2 .08	8 .31	125 N/mm 714 lbf/in	1200 N 270 lbf	9.5 .37
50 1.97	M 10	12 .47	20 .79	40 1.57	-	-	32 1.26	43 1.69	2 .08	10 .39	155 N/mm 885 lbf/in	1620 N 364 lbf	10.5 .41

Specification

- Mount body
Synthetic rubber Perbunan® (NBR)
- Black
- Vulcanized to the cover plate
- Temperature resistant up to 175 °F (80 °C)
- Shore hardness A ±5
Medium **55**
- Cover plate, tapped insert, threaded stud
Steel, zinc plated, blue passivated finish, molded-in
- RoHS compliant

On request

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

Information

GN 253 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.

see also...

- Vibration / Shock Absorption Mounts GN 352 / GN 452
- Silicone Vibration / Shock Absorption Mounts GN 256

How to order (With tapped hole)	1	Outside diameter d ₁
GN 253-19-M5-55	2	Thread d ₂
	4	Hardness

How to order (With threaded stud)	1	Outside diameter d ₁
GN 253-19-10X24-6.3-55	2	Thread d ₂
	3	Length l
	4	Hardness