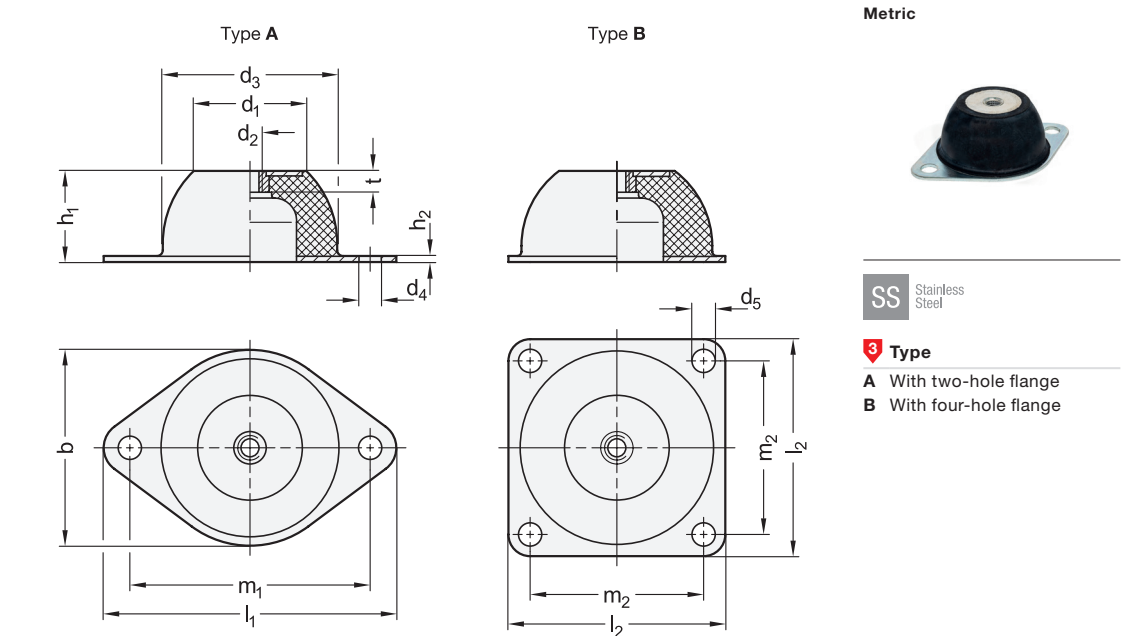




Metric table

Dimensions in: millimeters / inches													
d ₁		d ₂	b	d ₃	d ₄	d ₅	h ₁	h ₂	l ₁	l ₂	m ₁	m ₂	t ≈
Type A	Type B	Type B	Type B	Type A	Type B	Type B	Type A	Type B	Type A	Type B	Type A	Type B	
18 0.71	-	M 6	43 1.69	34 1.34	7 0.28	-	20 0.79	2 0.08	64 2.52	-	50 1.97	-	6 0.24
33 1.30	-	M 8	56 2.20	46 1.81	8 0.31	-	25 0.98	2 0.08	85 3.35	-	66 2.60	-	9 0.35
46 1.81	-	M 10	76 2.99	66 2.60	10 0.39	-	35 1.38	2 0.08	114 4.49	-	92 3.62	-	11 0.43
52 2.05	-	M 10	96 3.78	84 3.31	11.5 0.45	-	40 1.57	2 0.08	136 5.35	-	110 4.33	-	11 0.43
58 2.28	-	M 10	101 3.98	90 3.54	11.5 0.45	-	47 1.85	3 0.12	151 5.94	-	124 4.88	-	11 0.43
-	80 3.15	M 12	-	132 5.20	-	14.5 0.57	63 2.48	3 0.12	-	150 5.91	-	120 4.72	13 0.51
-	100 3.94	M 16	-	180 7.09	-	14.5 0.57	86 3.39	3 0.12	-	200 7.87	-	160 6.30	17 0.67
-	190 7.48	M 24	-	285 11.22	-	18 0.71	164 6.46	4 0.16	-	310 12.20	-	250 9.84	40 1.57

Specification

Vibration damping element

Natural rubber (NR)

• Vulcanized

• Black

• Operating temperature

-40 °F to +176 °F (-40 °C to +80 °C)

• Hardness Shore A ±5

- Soft

- Medium

40

60

Contact plate / Threaded insert

• Steel

• Zinc plated, blue passivated finish

• Stainless steel

Only in hardness 60

S

N

RoHS

How to order

1

2

3

4

5

GN 148.3-100-M16-B-40-S

1

Diameter d₁

2

Thread d₂

3

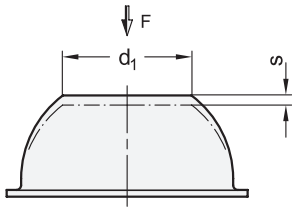
Type

4

Hardness

5

Material



Terms

F = Static load (pressure)
s = Compression (spring travel) under load F
The spring rate R is the load which causes the damping element to be compressed by 1 mm.

Formula for calculating spring rate: $R = \frac{F}{s}$

The values listed in the table can be used to determine the degree of isolation as a function of the interference frequency, in accordance with the approach shown on page XYZ.
The information on load capacity is non-binding guidelines and excludes any liability. They generally do not constitute a guarantee of quality. Whether a product is suitable for a particular application must be determined in each individual case by the user.

Dimensions in: millimeters / inches

d ₁	Hardness in Shore	Max. static load F	Spring rate R	Max. compression s
18 0.71	40	63 N 14.16 lbf	12.6 N/mm 71.95 lbf/in	5 0.20
18 0.71	60	93 N 20.91 lbf	18.6 N/mm 106.21 lbf/in	5 0.20
33 1.30	40	346 N 77.78 lbf	55.35 N/mm 316.06 lbf/in	6.25 0.25
33 1.30	60	564 N 126.79 lbf	90.25 N/mm 515.34 lbf/in	6.25 0.25
46 1.81	40	650 N 146.13 lbf	74.3 N/mm 424.26 lbf/in	8.75 0.34
46 1.81	60	1210 N 272.02 lbf	138.3 N/mm 789.71 lbf/in	8.75 0.34
52 2.05	40	842 N 189.29 lbf	84.2 N/mm 480.79 lbf/in	10 0.39
52 2.05	60	1945 N 437.25 lbf	194.5 N/mm 1110.62 lbf/in	10 0.39
58 2.28	40	1734 N 389.82 lbf	110.1 N/mm 628.69 lbf/in	15.75 0.62
58 2.28	60	4870 N 1094.82 lbf	309.2 N/mm 1765.58 lbf/in	15.75 0.62
80 3.15	40	2950 N 663.19 lbf	190.3 N/mm 1086.64 lbf/in	15.5 0.61
80 3.15	60	8620 N 1937.85 lbf	556.1 N/mm 3175.41 lbf/in	15.5 0.61
100 3.94	40	6000 N 1348.85 lbf	300 N/mm 1713.04 lbf/in	20 0.79
100 3.94	60	9770 N 2196.38 lbf	488.5 N/mm 2789.41 lbf/in	20 0.79
190 7.48	40	11710 N 2632.51 lbf	292.75 N/mm 1671.65 lbf/in	40 1.57
190 7.48	60	17600 N 3956.64 lbf	440 N/mm 2512.46 lbf/in	40 1.57

Application Example

