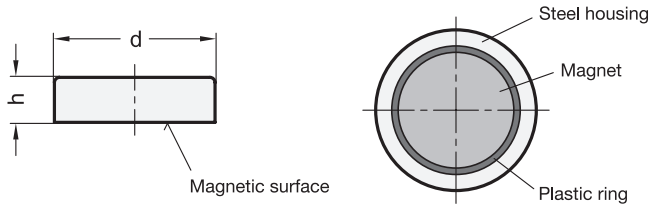




View of magnetic surface



Specification



- Housing
Steel, zinc plated
- Magnet materials
 - Hard ferrite
Temperature resistant up to 392 °F (200 °C)
 - SmCo
Samarium, cobalt
Temperature resistant up to 392 °F (200 °C)
 - NdFeB
Neodymium, iron, boron
Temperature resistant up to 176 °F (80 °C)

• RoHS compliant

Information

GN 50.1 retaining magnets, in combination with the steel housing and the plastic ring, form a system that shields and strengthens the magnet for optimal transmission of the magnetic flux onto the magnetic surface.

These retaining magnets can be attached simply and securely by side clamping, e.g. with a GN 913.2 set screw.

see also...

- *More Information on Retaining Magnets* → page 1990
- *Retaining Magnets GN 52.1 (without Thread)* → page 2019
- *Raw Magnets GN 55.2 (without Hole)* → page 2028
- *Retaining Magnets GN 50.3 (with Threaded Stud)* → page 1994

Accessory

- Magnet holding disks GN 70 → page 2029
- Self-adhesive disks GN 70.1 → page 2030
- Rubber caps GN 70.2 → page 2031

<p>How to order</p> <p>GN 50.1-SC-13-4.5</p>	1	Magnet material
	2	Diameter d
	3	Height h

Universal table

Dimensions in: millimeters - inches

d	Tolerances		h	Tolerances		Nominal magnetic forces		
	HF	SC / ND		HF	SC / ND	HF	SC	ND
6 0.24	-	±0.1	4.5 0.18	-	±0.1	-	5 N 1.12 lbf	5 N 1.12 lbf
8 0.31	-	±0.1	4.5 0.18	-	±0.1	-	11 N 2.47 lbf	13 N 2.92 lbf
10 0.39	±0.1	±0.1	4.5 0.18	+0.2/-0.1	±0.1	4 N 0.90 lbf	20 N 4.50 lbf	25 N 5.62 lbf
13 0.51	±0.1	±0.1	4.5 0.18	+0.2/-0.1	±0.1	10 N 2.25 lbf	40 N 8.99 lbf	60 N 13.49 lbf
16 0.63	±0.1	±0.1	4.5 0.18	+0.2/-0.1	±0.1	18 N 4.05 lbf	60 N 13.49 lbf	95 N 21.36 lbf
20 0.79	-	±0.1	3.5 0.14	-	±0.1	-	-	110 N 24.73 lbf
20 0.79	±0.1	±0.1	6 0.24	+0.2/-0.1	±0.1	30 N 6.74 lbf	90 N 20.23 lbf	140 N 31.47 lbf
25 0.98	±0.1	±0.1	7 0.28	+0.3/-0.2	±0.2	40 N 8.99 lbf	150 N 33.72 lbf	200 N 44.96 lbf
32 1.26	±0.1	±0.1	7 0.28	+0.3/-0.2	±0.2	80 N 17.98 lbf	220 N 49.46 lbf	350 N 78.68 lbf
36 1.42	+0.2/-0.1	-	7.7 0.30	+0.3/-0.2	-	100 N 22.48 lbf	-	-
40 1.57	+0.2/-0.1	-	8 0.31	+0.4/-0.2	-	125 N 28.10 lbf	-	-
47 1.85	+0.2/-0.1	-	9 0.35	+0.5/-0.2	-	180 N 40.47 lbf	-	-
50 1.97	+0.2/-0.1	-	10 0.39	+0.5/-0.2	-	220 N 49.46 lbf	-	-
57 2.24	+0.2/-0.1	-	10.5 0.41	+0.5/-0.2	-	280 N 62.95 lbf	-	-
63 2.48	+0.3/-0.1	-	14 0.55	+0.5/-0.2	-	350 N 78.68 lbf	-	-
80 3.15	+0.3/-0.1	-	18 0.71	+0.5/-0.2	-	600 N 135 lbf	-	-
100 3.94	+0.5/-0.1	-	22 0.87	+0.5/-0.2	-	900 N 202 lbf	-	-
125 4.92	+0.5/-0.1	-	26 1.02	+0.5/-0.2	-	1300 N 292 lbf	-	-

3.1
3.2
3.3
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3.8
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3.10