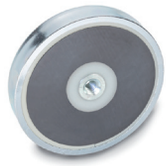
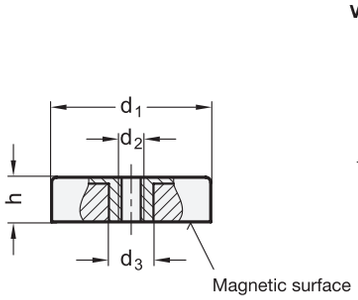
GN 50.4 | Retaining Magnets

Hard Ferrite, Housing Steel, with Tapped Hole

JW WINCO® A Ganter Company

Metric





Metric table

Dimensions in: millimeters - *inches*

2 d_1	3 h	4 d_2 Thread		d_3	Nominal magnetic forces
25 ±0.1 *0.98 ±0.004*	7 $^{+0.3}_{-0.2}$ *0.28* $^{+0.011}_{-0.008}$	M 4	-	5.2 *0.20*	36 N *8.09 lbf*
32 ±0.1 *1.26 ±0.004*	7 $^{+0.3}_{-0.2}$ *0.28* $^{+0.011}_{-0.008}$	M 4	-	5.2 *0.20*	75 N *16.86 lbf*
40 $^{+0.2}_{-0.1}$ *1.57* $^{+0.008}_{-0.004}$	8 $^{+0.4}_{-0.2}$ *0.31* $^{+0.016}_{-0.008}$	M 4	-	5.2 *0.20*	90 N *20.23 lbf*
50 $^{+0.2}_{-0.1}$ *1.97* $^{+0.008}_{-0.004}$	10 $^{+0.5}_{-0.2}$ *0.39* $^{+0.02}_{-0.008}$	M 6	M 8	12 *0.47*	170 N *38.22 lbf*
63 $^{+0.3}_{-0.1}$ *2.48* $^{+0.012}_{-0.004}$	14 $^{+0.5}_{-0.2}$ *0.55* $^{+0.02}_{-0.008}$	M 8	-	13 *0.51*	290 N *65.19 lbf*
80 $^{+0.3}_{-0.1}$ *3.15* $^{+0.012}_{-0.004}$	10 $^{+0.5}_{-0.2}$ *0.39* $^{+0.02}_{-0.008}$	M 8	-	12 *0.47*	450 N *101 lbf*
80 $^{+0.3}_{-0.1}$ *3.15* $^{+0.012}_{-0.004}$	18 $^{+0.5}_{-0.2}$ *0.71* $^{+0.02}_{-0.008}$	M 8	M 10	14.5 *0.57*	550 N *124 lbf*

Specification

1

- Magnet material
  Hard ferrite **HF**
  Temperature resistant up to
  392 °F (200 °C)
- Housing
  Steel, zinc plated
- RoHS compliant

Accessory

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

Information

GN 50.4 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.

To ensure that the magnetic properties are not negatively impaired, the mounting screws should be made of a non-magnetic material, such as stainless steel, brass or plastic.

see also...

- *More Information on Retaining Magnets → page 1990*
- *Retaining Magnets GN 50.45 (Stainless Steel, with Plain Hole) → page 2003*
- *Raw Magnets GN 55.1 (with Bore or Countersunk Hole) → page 2027*
- *Retaining Magnets GN 51.5 (Steel, with Tapped Hole, with Rubber Jacket) → page 2006*

How to order

1 2 3 4

GN 50.4-HF-32-7-M4

1	Magnet material
2	Diameter d_1
3	Height h
4	Thread d_2