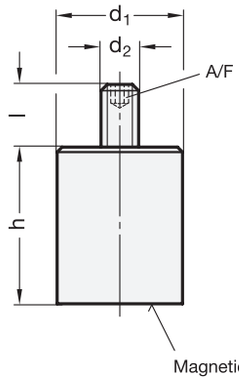
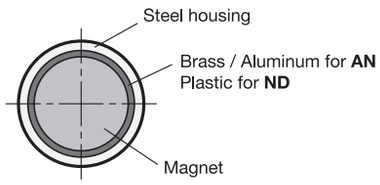
GN 52.4 | Retaining Magnets

Steel, Rod-Shaped, with Threaded Stud

JW WINCO® A Ganter Company



View of magnetic surface



Metric



4 Type

E With threaded stud

Metric table

Dimensions in: millimeters - *inches*

2 d_1 ±0.1	3 d_2 Thread	h ±0.2	Length **l**	**A/F**	Nominal magnetic forces **AN**	Nominal magnetic forces **ND**
6 *0.24*	M 3	20 *0.79*	7 *0.28*	1.5	2 N *0.45 lbf*	6 N *1.35 lbf*
8 *0.31*	M 3	20 *0.79*	7 *0.28*	1.5	4 N *0.90 lbf*	12 N *2.70 lbf*
10 *0.39*	M 4	20 *0.79*	8 *0.31*	2	8.5 N *1.91 lbf*	24 N *5.40 lbf*
13 *0.51*	M 4	20 *0.79*	8 *0.31*	2	12 N *2.70 lbf*	60 N *13.49 lbf*
16 *0.63*	M 4	20 *0.79*	10 *0.39*	2	20 N *4.50 lbf*	90 N *20.23 lbf*
20 *0.79*	M 6	25 *0.98*	10 *0.39*	3	40 N *8.99 lbf*	135 N *30.35 lbf*
25 *0.98*	M 6	35 *1.38*	10 *0.39*	3	60 N *13.49 lbf*	190 N *42.71 lbf*
32 *1.26*	M 8	40 *1.57*	12 *0.47*	4	160 N *35.97 lbf*	340 N *76.44 lbf*
40 *1.57*	M 8	50 *1.97*	15 *0.59*	4	240 N *53.95 lbf*	700 N *157 lbf*
50 *1.97*	M 10	60 *2.36*	15 *0.59*	5	400 N *89.92 lbf*	1000 N *225 lbf*
63 *2.48*	M 12	65 *2.56*	20 *0.79*	6	660 N *148 lbf*	1700 N *382 lbf*

Specification

1

- Magnet materials
  - AlNiCo **AN**
    Aluminum, nickel, cobalt
    Temperature resistant up to 842 °F (450 °C)
  - NdFeB **ND**
    Neodymium, iron, boron
    Temperature resistant up to 176 °F (80 °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 52.4 retaining magnets, in combination with the steel housing and the insulation made of brass / aluminum or plastic, form a system that shields and strengthens the magnet for optimal transmission of the magnetic flux onto the magnetic surface.

see also...

- *More Information on Retaining Magnets → page 1990*
- *Retaining Magnets GN 52.5 (with Threaded Stud) → page 2023*
- *Retaining Magnets GN 52.1 (without Hole) → page 2019*
- *Retaining Magnets GN 54.1 (without Hole) → page 2017*
- *Retaining Magnets GN 52.2 (with Tapped Blind Hole) → page 2020*

How to order

1 2 3 4

GN 52.4-ND-20-M6-E

1	**Magnet material**
2	**Diameter d_1**
3	**Thread d_2**
4	**Type**