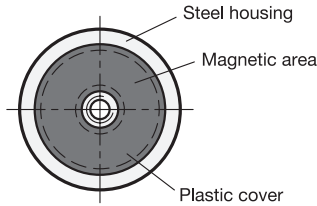
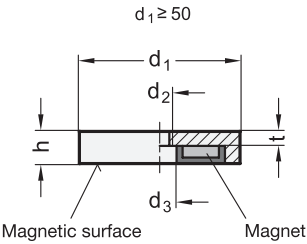
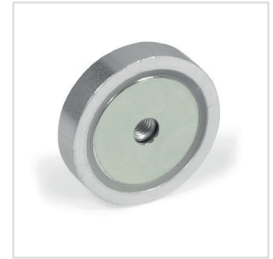
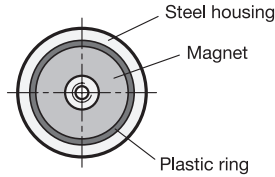
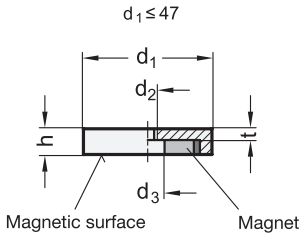


View of magnetic surface



2

d ₁	d ₂	d ₃	h	t Thread depth	Nominal adhesive forces in N
10 ±0,1	M 3	-	4,5 ±0,1	4,5	19
13 ±0,1	M 3	-	4,5 ±0,1	4,5	40
16 ±0,1	M 3	-	4,5 ±0,1	4,5	75
20 ±0,1	M 4	-	6 ±0,1	6	105
25 ±0,1	M 4	4,5	7 ±0,2	5	160
32 ±0,1	M 5	5,5	7 ±0,2	5	330
40 ±0,1	M 5	10,5	8 ±0,2	6	500
47 +0,2/-0,1	M 8	-	9,2 +0,2/-0,3	9,2	740
50 ±0,1	M 8	11	10 ±0,2	5,5	800
63 ±0,1	M 10	11,5	14 ±0,2	8,5	1100
75 -0,3/-0,5	M 10	11,7	15 ±0,2	6,5	1750

Specification

- Housing
Steel, zinc plated
- Material of the magnet
NdFeB **ND**
Neodymium, iron, boron
Temperature resistant up to 80 °C
- Plastic cover
Polyamide (PA)
- Plastic Characteristics → Page 2158
- RoHS

Accessory

- Holding Disks GN 70 → Page 2072
- Adhesive Disks GN 70.1 → Page 2073
- Rubber Caps GN 70.2 → Page 2074

1

Information

Retaining magnets GN 50.5 are combined with a steel housing and a plastic ring and the plastic cover into a system that shields and strengthens the magnet for optimal transmission of the magnetic flux onto the magnetic surface.

For diameter d₁ ≥ 50 the adhesive surface is lagged with an all over plastic cover.

To ensure that the magnetic properties are not impaired negatively, the fixing screws should be made of non-magnetic material, like for example stainless steel, brass or plastic.

see also...

- More Information to Retaining Magnets → Page 2028
- Retaining Magnets GN 51.5 (with Internal Thread) → Page 2041

How to order

GN 50.5-ND-40

1	Material of the magnet
2	d ₁

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

3.9