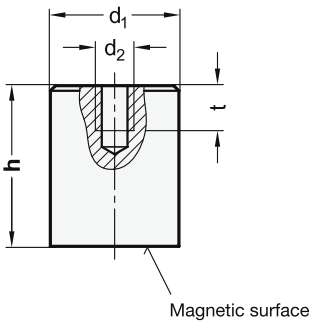
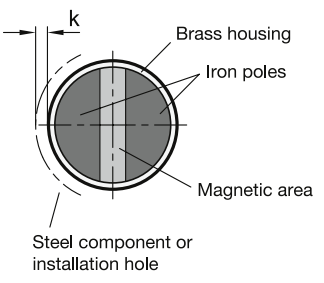


View of magnetic surface



2 d_1 h6	3 d_2	h	k*	t	Nominal magnetic forces in N	
					SC	ND
6	M 3	20 ±0,2	1,5	5	8	10
8	M 3	20 ±0,2	1,5	5	22	25
10	M 4	20 ±0,2	2	7	40	45
13	M 4	20 ±0,2	2,5	7	60	70
16	M 4	25 ±0,2	3	8	125	150
20	M 6	25 ±0,2	4	6	250	280
25	M 6	35 ±0,3	5	8	400	450
32	M 6	40 ±0,3	6	6	600	700

Specification

1

- Housing
  Brass
- Materials of the magnet:
  - SmCo **SC**
    Samarium, cobalt
    Temperature resistant up to 200 °C
  - NdFeB **ND**
    Neodymium, iron, boron
    Temperature resistant up to 80 °C
- Identification of ND:
  Magnetic area colored blue
- *ISO Fundamental Tolerances* → *Page 2151*
- RoHS

Accessories

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

On request

- Housing in stainless steel
- Pols in stainless steel
- Higher magnetic forces
- Temperature resistance up to 280 °C

Information

Retaining magnets GN 54.2 are combined with a brass housing, the iron poles and the plastic insulation into a system that shields and considerably strengthens the magnet for optimal transmission of the magnetic flux onto the magnetic surface.

This special design is also known by the name “sandwich magnet” or “pole shoe magnet”.

* Mounting these retaining magnets directly in steel components will create a magnetic shortcircuit which reduces the retaining power by as much as 15%. To avoid this, the distance k should be maintained between the brass housing and steel part or installation hole.

see also...

- *More Information to Retaining Magnets* → *Page 2028*
- *Retaining Magnets GN 52.2 (with Internal Thread)* → *Page 2057*
- *Retaining Magnets GN 52.3 (with Internal Thread)* → *Page 2058*
- *Retaining Magnets GN 52.5 (Stainless Steel, with Threaded Stud)* → *Page 2061*

How to order

1 2 3

GN 54.2-ND-20-M6

1	**Material of the magnet**
2	**d_1**
3	**d_2**