

Retaining Magnets

Disk-Shaped, with Internal Thread

SPECIFICATION

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

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 $d_1 \geq 50$ 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.

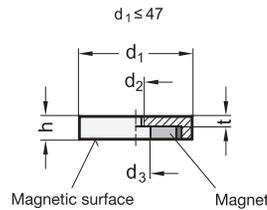
- More Information on Retaining Magnets (see page 2022)

TECHNICAL INFORMATION

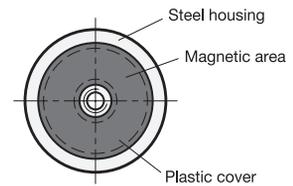
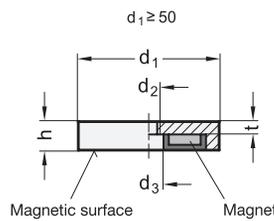
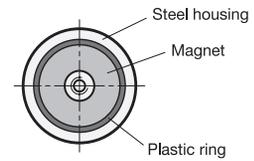
- Plastic Characteristics (see page A2)

ACCESSORY

- Holding Disks GN 70 (see page 2051)
- Adhesive Disks GN 70.1 (see page 2051)
- Rubber Caps GN 70.2 (see page)



View of magnetic surface



GN 50.5

Description	d1	d2	d3	h	t	Nominal magnetic forces in N	⚖
GN 50.5-ND-10	10 ±0.1	M 3	4.5	4.5 ±0.1	1.5	19	2
GN 50.5-ND-13	13 ±0.1	M 3	4.5	4.5 ±0.1	1.5	40	4
GN 50.5-ND-16	16 ±0.1	M 3	6	4.5 ±0.1	1.5	75	6
GN 50.5-ND-20	20 ±0.1	M 4	6	6 ±0.1	2.5	105	13
GN 50.5-ND-25	25 ±0.1	M 4	4.5	7 ±0.2	3	160	24
GN 50.5-ND-32	32 ±0.1	M 5	5.5	7 ±0.2	3	330	40
GN 50.5-ND-40	40 ±0.1	M 5	10.5	8 ±0.2	6	500	74
GN 50.5-ND-47	47 +0.2/-0.1	M 8	6.8	9.2 +0.2/-0.3	6	740	103
GN 50.5-ND-50	50 ±0.1	M 8	10.5	10 ±0.2	5.5	800	140
GN 50.5-ND-63	63 ±0.1	M 10	11.7	14 ±0.2	8.5	1100	330
GN 50.5-ND-75	75 -0.3/-0.5	M 10	11.7	15 ±0.2	8.5	1750	479