

## Retaining Magnets

Hard Ferrite / Neodymium-Iron-Boron, Housing Steel, with Threaded Stud

### SPECIFICATION

#### Magnet

- Hard ferrite **HF**  
Operating temperature up to 200 °C
- NdFeB **ND**  
Neodymium, iron, boron  
Operating temperature up to 80 °C
- NdFeB **NDT**  
Neodymium, iron, boron  
Operating temperature up to 150 °C

#### Housing

Steel, zinc plated

### INFORMATION

Retaining magnets GN 50.3 are combined with the steel housing and the plastic ring into a system that shields and strengthens the magnet for optimal transmission of the magnetic flux onto the magnetic surface.

### ACCESSORY

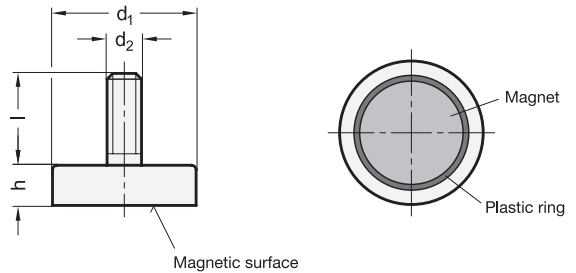
- GN 70 Holding Disks (see page 2051)
- GN 70.1 Adhesive Disks (see page 2051)
- GN 70.2 Rubber Caps (see page )

### TECHNICAL INFORMATION

- More Information to Retaining Magnets (see page 2022)



View of magnetic surface



### GN 50.3

Description	d <sub>1</sub>	d <sub>2</sub>	h	Length l	Nominal magnetic forces in N	⚖
GN 50.3-HF-10-M3	10 ±0.1	M3	4.5 +0.2/-0.1	7	4	2
GN 50.3-HF-13-M3	13 ±0.1	M3	4.5 +0.2/-0.1	7	10	3
GN 50.3-HF-16-M3	16 ±0.1	M3	4.5 +0.2/-0.1	7	18	5
GN 50.3-HF-16-M4	16 ±0.1	M4	4.5 +0.2/-0.1	6	18	5
GN 50.3-HF-20-M3	20 ±0.1	M3	6 +0.2/-0.1	7	30	10
GN 50.3-HF-25-M4	25 ±0.1	M4	7 +0.3/-0.2	8	40	19
GN 50.3-HF-25-M6	25 ±0.1	M6	7 +0.3/-0.2	20	40	22
GN 50.3-HF-32-M4	32 ±0.1	M4	7 +0.3/-0.2	8	80	32
GN 50.3-HF-32-M6	32 ±0.1	M6	7 +0.3/-0.2	12	80	31
GN 50.3-HF-32-M8	32 ±0.1	M8	7 +0.3/-0.2	10	80	32
GN 50.3-HF-47-M6	47 ±0.1	M6	9 +0.5/-0.2	8	180	85
GN 50.3-HF-57-M6	57 ±0.1	M6	10.5 +0.5/-0.2	8	280	146
GN 50.3-HF-63-M6	63 ±0.1	M6	14 +0.5/-0.2	15	350	233
GN 50.3-HF-80-M8	80 ±0.1	M8	10 +0.5/-0.2	13	600	269
GN 50.3-ND-6-M3	6 ±0.1	M3	4.5 ±0.1	7	5	1
GN 50.3-ND-8-M4	8 ±0.1	M4	4.5 ±0.1	8	13	2
GN 50.3-ND-10-M3	10 ±0.1	M3	4.5 ±0.1	7	25	2
GN 50.3-ND-10-M4	10 ±0.1	M4	4.5 ±0.1	8	25	3
GN 50.3-ND-13-M5	13 ±0.1	M5	4.5 ±0.1	8	60	6
GN 50.3-ND-16-M4	16 ±0.1	M4	4.5 ±0.1	8	85	7
GN 50.3-ND-16-M6	16 ±0.1	M6	4.5 ±0.1	8	95	8
GN 50.3-ND-20-M6	20 ±0.1	M6	6 ±0.1	10	140	16
GN 50.3-ND-25-M6	25 ±0.1	M6	7 ±0.2	10	200	28
GN 50.3-ND-32-M6	32 ±0.1	M6	7 ±0.2	10	350	43
GN 50.3-ND-40-M8	40 ±0.1	M8	8 ±0.2	12	670	80
GN 50.3-ND-47-M8	47 ±0.1	M8	9.2 ±0.2	13	790	107
GN 50.3-NDT-10-M4	10 ±0.1	M4	4.5 ±0.1	8	33	4
GN 50.3-NDT-13-M5	13 ±0.1	M5	4.5 ±0.1	8	75	6
GN 50.3-NDT-16-M6	16 ±0.1	M6	4.5 ±0.1	8	110	8
GN 50.3-NDT-20-M6	20 ±0.1	M6	6 ±0.1	10	172	16
GN 50.3-NDT-25-M6	25 ±0.1	M6	7 ±0.2	10	233	28
GN 50.3-NDT-32-M6	32 ±0.1	M6	7 ±0.2	10	400	41