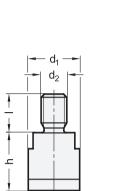
# **Retaining Magnets**

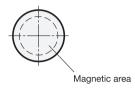
Neodymium, Iron, Boron (NdFeB), Housing Stainless Steel, with Rubberized Magnetic Surface

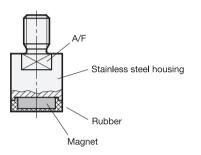




Magnetic surface

### View of magnetic surface









## Metric table

2	3			I	Dimensions in: millimeters - inches
<b>d</b> <sub>1</sub> ±0.2	$d_2$	<b>h</b> ±0.2	Length I	A/F	Nominal magnetic forces
10	M 4	14	6	8	9.5 N
0.394		<i>0.551</i>	0.24	0.31	2.14 lbf
13	M 6	16	10	11	15 N
<i>0.512</i>		0.630	0.39	0.43	3.37 lbf
16	M 8	18	12	13	23 N
0.630		<i>0.70</i> 9	0.47	0.51	5.17 lbf
20	M 10	20	14	17	46 N
0.787		0.787	<i>0.55</i>	0.67	10.34 lbf
25	M 10	20	14	21	95 N
0.984		0.787	0.55	0.83	21.36 lbf

#### **Specification**

- Magnet material NdFeB ND Neodymium, iron, boron Temperature resistant up to 176 °F (80 °C)
- Housing Stainless steel
- Rubber Elastomer (TPE)  $\approx$  80 shore A Black
- Plastic Characteristics → page 2135
- · RoHS compliant

## Accessory

- Magnet holding disks GN 70 → page 2029
- Self-adhesive disks GN 70.1 → page 2030

#### Information

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Retaining magnets GN 52.5, in combination with the stainless steel housing, form a system that shields and strengthens the magnet and concentrates the magnetic flux optimally on the rubberized magnetic

The rubber protects sensitive surfaces from being damaged by the magnet and also has a high coefficient of friction, resulting in high lateral displacement forces.

#### see also...

- More Information on Retaining Magnets → page 1990
- Retaining Magnets GN 52.6 (Stainless Steel, with Tapped Blind Hole) → page QVX
- Retaining Magnets GN 52.2 (with Tapped Blind Hole) → page 2020
- Retaining Magnets GN 54.1 (without Hole) → page 2017
- Retaining Magnets GN 52.3 (with Tapped Blind Hole) → page 2021

How to order		Magnet material
<b>û</b> â â	2	Diameter d <sub>1</sub>
GN 52.5-ND-13-M6	3	Thread d <sub>2</sub>

3.1