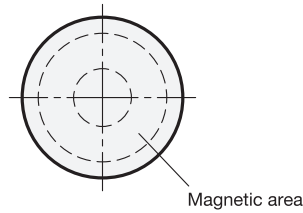


View of magnetic surface



Metric table

Dimensions in: millimeters - inches

d ₁	d ₂ Thread	d ₃	h	Length l	t min.	Nominal magnetic forces
12 0.47	M 4	8 0.31	7 0.28	7.5 0.30	6 0.24	13 N 2.92 lbf
18 0.71	M 4	8 0.31	6 0.24	5.5 0.22	5 0.20	37 N 8.32 lbf
22 0.87	M 4	8 0.31	6 0.24	5.5 0.22	5 0.20	58 N 13.04 lbf
31 1.22	M 4	8 0.31	6 0.24	5.5 0.22	5 0.20	89 N 20.01 lbf
43 1.69	M 4	8 0.31	6 0.24	4.5 0.18	5 0.20	100 N 22.48 lbf
43 1.69	M 5	8 0.31	6 0.24	4.5 0.18	7 0.28	100 N 22.48 lbf
57 2.24	M 5	10 0.39	7.5 0.30	7 0.28	8 0.31	200 N 44.96 lbf
66 2.60	M 5	10 0.39	8.5 0.33	6.5 0.26	8 0.31	250 N 56.20 lbf
88 3.46	M 8	12 0.47	8.5 0.33	8.5 0.33	11 0.43	550 N 124 lbf

Specification

- Steel part
Zinc plated
- Magnet material
NdFeB **ND**
Neodymium, iron, boron
Temperature resistant up to 176 °F (80 °C)
- Rubber jacket
Elastomer (TPE) ≈ 80 shore A
- Black **●SW**
- White **○WS**
- [Elastomer Characteristics](#) → page 2135
- [RoHS compliant](#)

Accessory

- Magnet holding disks GN 70 → [page 2029](#)
- Self-adhesive disks GN 70.1 → [page 2030](#)

On request

- Other colors
- Other shore hardnesses

Information

GN 51.2 retaining magnets with rubber jacket, in combination with the steel part, form a system that shields and strengthens the magnet and concentrates the magnetic flux optimally onto the rubberized magnetic surface.

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 51.8 \(with Countersunk Hole\)](#) → page 2008
- [Retaining Magnets GN 52.5 \(with Threaded Stud\)](#) → page 2023
- [Retaining Magnets GN 50.4 \(with Tapped Hole\)](#) → page 2002

How to order	
1	Magnet material
2	Diameter d ₁
3	Thread d ₂
4	Color

GN 51.2-ND-66-M5-SW

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10