

Retaining Magnets

**Neodymium-Iron-Boron, Magnetic on Both Sides,
with Rubber Jacket**

SPECIFICATION

Magnet

NdFeB **ND**

Neodymium, iron, boron

Operating temperature up to 80 °C

Sheathing

Thermoplastic elastomer (TPE)

• Hardness ≈ 80 Shore A

• Black **SW**

INFORMATION

Retaining magnets GN 51.1 with rubber jacket are used to join parts together. The opposing magnetic surfaces make a fastening hole unnecessary. The side on which the magnet adheres more strongly depends on the material, the material thickness and the surface characteristics of the respective opposing part.

The retaining magnets form a system together with the steel part that strengthens the magnetic force, optimally concentrating the magnetic flux on the rubberized magnetic surfaces.

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

ACCESSORY

• GN 70 Holding Disks (see page 2051)

• GN 70.1 Adhesive Disks (see page 2051)

ON REQUEST

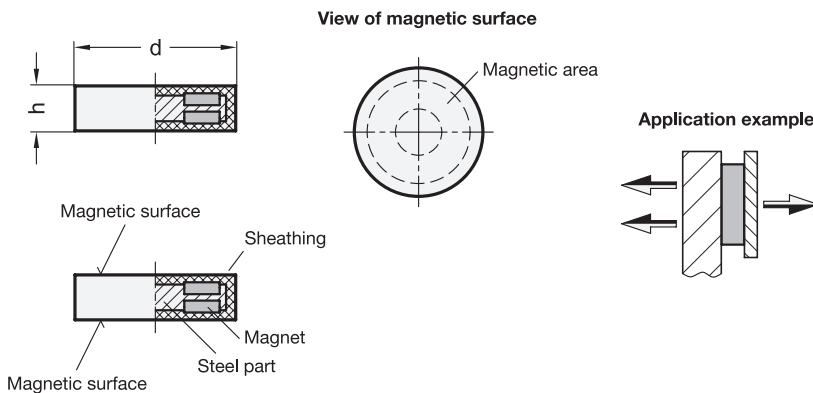
• Other colors

• Other Shore hardnesses

TECHNICAL INFORMATION

• More Information on Retaining Magnets (see page 2022)

• Plastic Characteristics (see page A2)



GN 51.1

Description	d	h	Nominal magnetic forces in N	⚖
GN 51.1-ND-12-SW	12	8	10	4
GN 51.1-ND-18-SW	18	6	20	7
GN 51.1-ND-22-SW	22	9	40	17
GN 51.1-ND-31-SW	31	6	55	20
GN 51.1-ND-43-SW	43	9	70	51