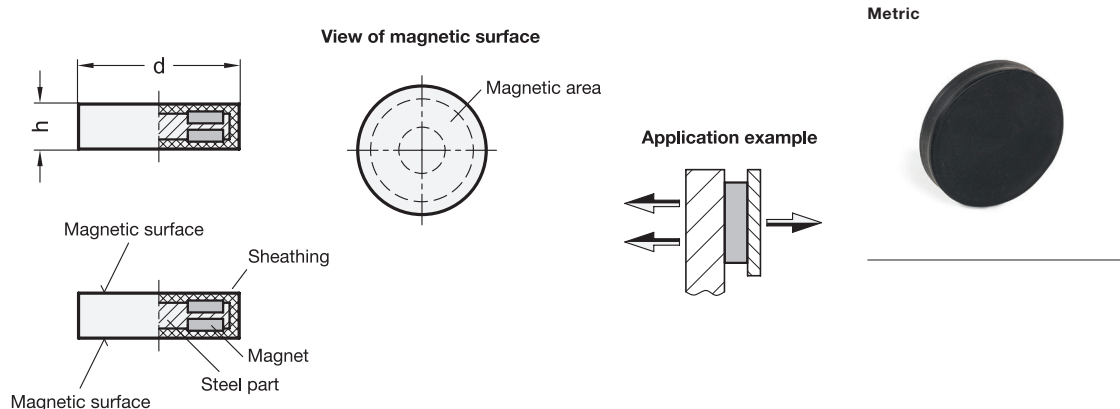




Metric table

2

Dimensions in: millimeters / inches

d	h	Nominal magnetic forces
12 0.47	8 0.31	10 N 2.25 lbf
18 0.71	6 0.24	20 N 4.50 lbf
22 0.87	9 0.35	40 N 8.99 lbf
31 1.22	6 0.24	55 N 12.36 lbf
43 1.69	9 0.35	70 N 15.74 lbf

Specification

Magnet

NdFeB

Neodymium, iron, boron

Operating temperature up to 176 °F (80 °C)

Sheathing

Thermoplastic elastomer (TPE)

- Hardness $\approx$ 80 Shore A
- Black

● SW

RoHS

On request

- Other colors
- Other Shore hardnesses

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.

see also...

see also...	Page
GN 51.3 Retaining Magnets (with Threaded Stud)	QVX
GN 51.6 Retaining Magnets (with Internal Thread)	QVX
GN 51.8 Retaining Magnets (with Countersunk Hole)	QVX

Technical Information

More Information on Retaining Magnets	QVX
Plastic Characteristics	QVX

Accessory

GN 70 Holding Disks	QVX
GN 70.1 Self-Adhesive Disks	QVX

How to order 1 2 3 GN 51.1-ND-22-SW	1	Magnet material
	2	Diameter d
	3	Color