GN 55.2 Raw Magnets

Steel, Disc-shaped

Photo

Product description

Information

GN 55.2 raw magnets are unshielded disc-shaped magnets.

Due to the vast range of different materials and sizes, these magnets are suitable for virtually any universal use. They are typically attached by gluing.

When used without air gap, individual raw magnets always have lower magnetic forces than a magnet assembly in which shielding and magnetic return enormously intensify the force acting at the magnetic surface. Depending on the air gap between magnet and mating component, individual raw magnets--unlike magnet assemblies--can have substantially higher magnetic forces.

In the event that no suitable retaining magnets / magnet assemblies are available, raw magnets may be used in combination with appropriate holding constructions to build up highly specific magnet assemblies.

Specification

Materials of the magnet:

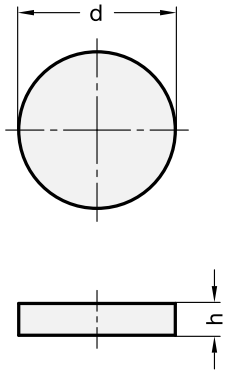
- SmCo **SC**
  Samarium, cobalt
  blank
  temperature resistant up to 200 °C
- NdFeB **ND**
  Neodymium, iron, boron
  nickel-plated
  temperature resistant up to 80 °C

RoHS compliant

On request

made of hard ferrite (HF)

Technical drawing



Part Options / Table

Metric

d	h	Nominal magnetic forces in N SC Sm Co	 ND Nd Fe B	Packaging units SC	 ND
.16	.12	.56 lbf (2.5 N)	.90 lbf (4 N)	20	20
.20	.12	.79 lbf (3.5 N)	1.12 lbf (5 N)	20	20
.24	.12	.90 lbf (4 N)	1.69 lbf (7.5 N)	20	20
.31	.12	1.80 lbf (8 N)	2.92 lbf (13 N)	20	20
.39	.12	2.25 lbf (10 N)	3.37 lbf (15 N)	20	20
.47	.12	2.47 lbf (11 N)	4.50 lbf (20 N)	10	20
.59	.12	3.60 lbf (16 N)	6.29 lbf (28 N)	10	20
.71	.12	5.62 lbf (25 N)	7.87 lbf (35 N)	10	10
.79	.12	-	9.44 lbf (42 N)	-	10
.94	.12	8.09 lbf (36 N)	12.36 lbf (55 N)	5	10