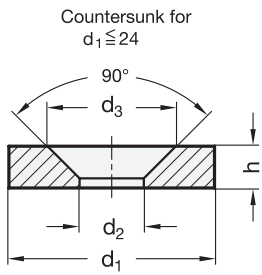
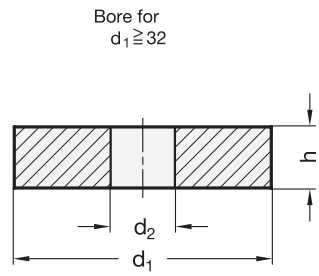
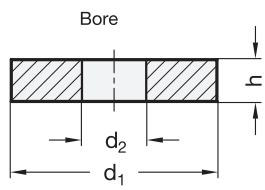
Material **ND**





Material **SC**



[2] d_1	[3] Material of the magnet **SC** d_2 ±0,1	[4] Material of the magnet **SC** **h** ±0,1	[3] Material of the magnet **ND** d_2 ±0,1	[4] Material of the magnet **ND** **h** ±0,1	[3] Material of the magnet **ND** d_3 +0,5	Nominal magnetic forces in N **SC** Sm Co	Nominal magnetic forces in N **ND** NdFeB	Packaging units
12 ±0,1	-	-	3,5	3	6,6	-	18	20
15 ±0,1	8	3,5	4,5	3,5	9,3	23	29	20
18 ±0,1	8	4	4,5	4	9,3	31	41	10
24 ±0,1	11	4	5,5	4	11,5	51	66	10
32 ±0,1	10	4	10,5	2	-	67	42	5
38 ±0,1	-	-	12	4	-	-	110	2
48 ±0,2	-	-	15	5	-	-	165	1
56 ±0,2	-	-	15	6	-	-	230	1

Specification

[1]

- Materials of the magnet:
  - SmCo **SC**
    Samarium, cobalt
    Plain
    Temperature resistant up to 200 °C
  - NdFeB **ND**
    Neodymium, iron, boron
    Nickel-plated
    Temperature resistant up to 80 °C
- RoHS

On request

- Made of hard ferrite (HF)

Information

Raw magnets GN 55.1 are unshielded disk-shaped (annular) magnets.

Owing to their vast range of different magnet materials and sizes, they are suitable for virtually universal use. They are mostly attached by gluing.

When used without air gap, individual raw magnets always have lower magnetic forces than a magnet system 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 systems - can have substantially higher magnetic forces.

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

see also...
- *More Information to Retaining Magnets → Page 2028*

How to order

[1] [2] [3] [4]
GN 55.1-ND-38-12-4

1	**Material of the magnet**
2	d_1
3	d_2
4	h