



2

d h6	h	k ₁ *	k ₂ **	Nominal magnetic forces in N	
				SC SmCo	ND NdFeB
6	20 ±0,2	10	1,5	8	10
8	20 ±0,2	10	1,5	22	22
10	20 ±0,2	8	2	40	45
13	20 ±0,2	6	2,5	60	70
16	20 ±0,2	2	3	125	150
20	25 ±0,2	5	4	250	280
25	35 ±0,3	7	5	400	450
32	40 ±0,3	4,5	6	600	700

Specification

- Housing
Brass
- Materials of the magnet:
 - SmCo
Samarium, cobalt
temperature resistant up to 200 °C
 - NdFeB
Neodymium, iron, boron
temperature resistant up to 80 °C
- Identification of ND:
blue inked magnetic surface area
- RoHS

1

Information

Retaining magnets GN 54.1 are a shielded magnetic system. The configuration of magnetic and iron poles is known as sandwich magnet system. These retaining magnets deliver ultimate holding power, also with smaller workpieces. Attachment options include pressing in or gluing in.

* k₁ is the maximum dimension by which the retaining magnet can be shortened without losing its properties.

** Mounting these retaining magnets directly in steel components will create a magnetic short circuit which reduces the retaining power by as much as 15%. To avoid this effect, the spacings k₂ between brass jacket and steel component should be observed. These spacings should also be maintained if the retaining magnet is shortened.

see also...

- More information to retaining magnets → Page 1380 ff.
- Holding discs GN 70 → Page 1414

How to order

GN 54.1-SC-13

1	Material of the magnet
2	d

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

3.9

