

Retaining magnets

rod-shaped, without bore

SPECIFICATION

Housing
Brass

Materials of the magnet:

SmCo **SC**

Samarium, cobalt
temperature resistant up to 200 °C

NdFeB **ND**

Neodymium, iron, boron
temperature resistant up to 80 °C

Identification of ND:

blue inked adhesive surface area



INFORMATION

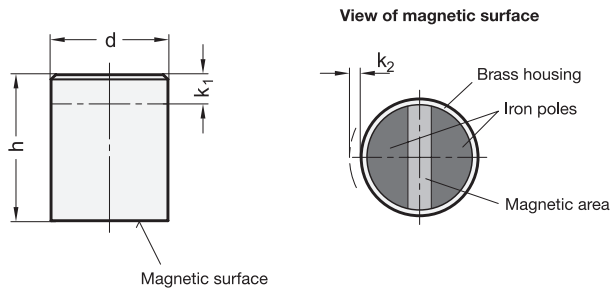
Retaining magnets GN 54.1 are a shielded magnetic system. The configuration of magnetic and iron poles is known as sandwich magnet system. These retaining magnets deliver ultimate magnet system. These retaining magnets deliver ultimate holding power, also with smaller workpieces.

Attachment options include pressing in or gluing in.

* k_1 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 shortcircuit which reduces the retaining power by as much as 15%. To avoid this effect, the spacings k_2 between brass jacket and steel component should be observed. These spacings should also be maintained if the retaining magnet is shortened.

- More information to retaining magnets (see page 2022)



GN 54.1

Description	d h6	h	k_1^*	k_2^{**}	Nominal adhesive forces in N	⚖
GN 54.1-SC-6	6	20 ±0.2	10	1.5	8	5
GN 54.1-SC-8	8	20 ±0.2	10	1.5	22	8
GN 54.1-SC-10	10	20 ±0.2	8	2	40	12
GN 54.1-SC-13	13	20 ±0.2	6	2.5	60	20
GN 54.1-SC-16	16	20 ±0.2	2	3	125	30
GN 54.1-SC-20	20	25 ±0.2	5	4	250	60
GN 54.1-SC-25	25	35 ±0.3	7	5	400	134
GN 54.1-SC-32	32	40 ±0.3	4.5	6	600	251
GN 54.1-ND-6	6	20 ±0.2	10	1.5	10	5
GN 54.1-ND-8	8	20 ±0.2	10	1.5	22	8
GN 54.1-ND-10	10	20 ±0.2	8	2	45	12
GN 54.1-ND-13	13	20 ±0.2	6	2.5	70	20
GN 54.1-ND-16	16	20 ±0.2	2	3	150	30
GN 54.1-ND-20	20	25 ±0.2	5	4	280	59
GN 54.1-ND-25	25	35 ±0.3	7	5	450	132
GN 54.1-ND-32	32	40 ±0.3	4.5	6	700	246

