

Stainless Steel- Retaining magnets

disc-shaped, with bore

SPECIFICATION

Housing
Stainless Steel

Materials of the magnet:

Hard ferrite **HF**
temperature resistant up to 220 °C

SmCo **SC**
Samarium, cobalt
temperature resistant up to 350 °C



INFORMATION

Stainless Steel-Retaining magnets GN 50.45 are a shielded magnetic system.

Owing to the lower magnetic conductivity of the stainless steel housing, the adhesive forces are lower than in steel.

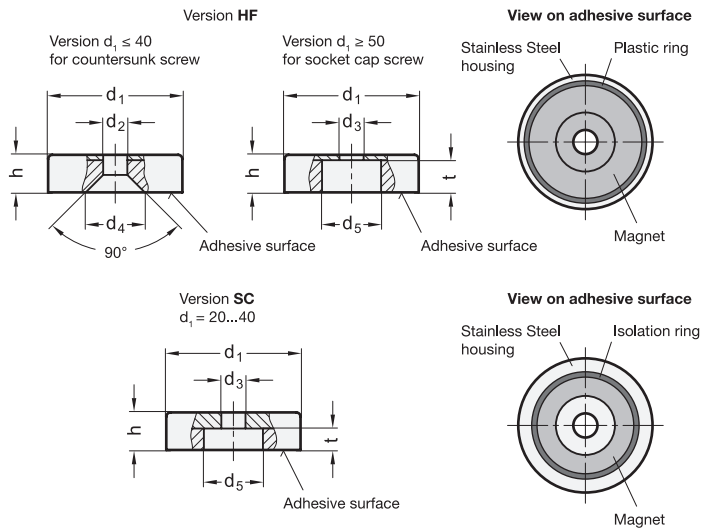
To ensure that the magnetic properties (adhesive forces) are not impaired, the fixing screws must be made of **non-magnetic** material.
- More information to retaining magnets (see page 2022)

TECHNICAL INFORMATION

- Stainless Steel characteristics (see page A26)

ON REQUEST

- Raw magnets in ring shape in hard ferrite (HF)



GN 50.45

STAINLESS STEEL

Description	d1	d2	d3	d4	d5	h	t	Nominal adhesive forces in N	
GN 50.45-HF-20	20 ±0.1	4.1	-	10	-	6 +0.2/-0.1	-	22	11
GN 50.45-HF-25	25 ±0.1	5.5	-	11.5	-	7 +0.3/-0.2	-	29	17
GN 50.45-HF-32	32 ±0.1	5.5	-	11.5	-	7 +0.3/-0.2	-	58	27
GN 50.45-HF-40	40 +0.2/-0.1	5.5	-	11.5	-	8 +0.4/-0.2	-	72	52
GN 50.45-HF-50	50 +0.2/-0.1	-	8.5	-	22	10 +0.5/-0.2	8.5	145	70
GN 50.45-HF-63	63 +0.3/-0.1	-	6.5	-	24	14 +0.5/-0.2	12	230	195
GN 50.45-SC-20	20 ±0.1	-	4.5	-	8	6 ±0.1	3.5	60	13
GN 50.45-SC-25	25 ±0.1	-	4.5	-	8	7 ±0.2	4	80	24
GN 50.45-SC-32	32 ±0.1	-	5.5	-	11	7 ±0.2	4	200	39
GN 50.45-SC-40	40 +0.2/-0.1	-	5.5	-	10.5	8 ±0.2	4	420	75