

Stainless Steel Retaining Magnets

Disk-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 combined with a stainless steel housing and a plastic ring / insulation ring into a system that shields and strengthens the magnet for optimal transmission of the magnetic flux onto the magnetic surface.

To avoid negatively impacting the magnetic properties, the fastening screws should be made of a non-magnetic material such as stainless steel, brass or plastic.

- More Information on Retaining Magnets (see page 2022)

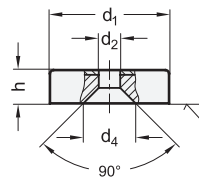
ACCESSORY

- Holding Disks GN 70 (see page 2051)
- Adhesive Disks GN 70.1 (see page 2051)
- Rubber Caps GN 70.2 (see page)

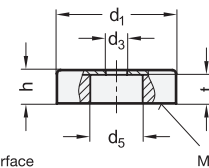


Version HF

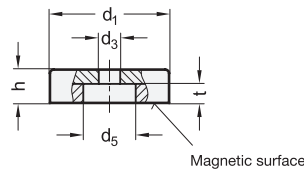
Version $d_1 \leq 40$
for countersunk screw



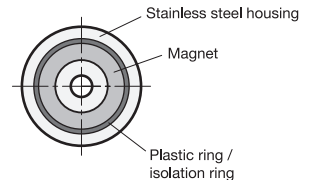
Version $d_1 \geq 50$
for socket cap screw



Version SC
 $d_1 = 16...40$



View of magnetic surface



GN 50.45-HF

STAINLESS STEEL

Description	d_1	h	d_2	d_3	d_4	d_5	t	Nominal magnetic forces in N	⚖️
GN 50.45-HF-20-6-4,3	20 ±0.1	6 +0.2/-0.1	4.3	-	9.5	-	-	22	8
GN 50.45-HF-25-7-5,5	25 ±0.1	7 +0.3/-0.2	5.5	-	11.5	-	-	29	15
GN 50.45-HF-32-7-5,5	32 ±0.1	7 +0.3/-0.2	5.5	-	11.5	-	-	58	27
GN 50.45-HF-40-8-5,5	40 +0.2/-0.1	8 +0.4/-0.2	5.5	-	12.5	-	-	72	52
GN 50.45-HF-50-10-8,5	50 +0.2/-0.1	10 +0.5/-0.2	-	8.5	-	22	8.5	145	85
GN 50.45-HF-63-14-6,5	63 +0.3/-0.1	14 +0.5/-0.2	-	6.5	-	24	12	230	195

GN 50.45-SC

STAINLESS STEEL

Description	d_1	h	d_3	d_5	t	Nominal magnetic forces in N	⚖️
GN 50.45-SC-16-4,5-3,5	16 ±0.1	4,5 ±0.1	3,5	6	3	41	6
GN 50.45-SC-20-6-4,5	20 ±0.1	6 ±0.1	4,5	8	3,5	60	13
GN 50.45-SC-25-7-4,5	25 ±0.1	7 ±0.2	4,5	8	4	80	24
GN 50.45-SC-32-7-5,5	32 ±0.1	7 ±0.2	5,5	11	4	200	39
GN 50.45-SC-40-8-5,5	40 ±0.1	8 ±0.2	5,5	10,5	4	420	75