

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

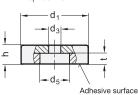
- Raw magnets in ring shape in hard ferrite (HF)



ROHS

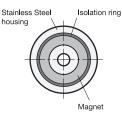
١	View on adhesive surface			
Version $d_1 \le 40$ for countersunk scre	Version $d_1 \ge 50$ w for socket cap screw	Stainless Steel Plastic ring housing		
	d1 d1 d3 d3 d3 d3 d3 d3 d3 d3 d4 d3 d3 d4 d3 d4 d3 d4 d4 d4 d4 d4 d4 d4 d4 d4 d4	thesive surface		

Version SC $d_1 = 20...40$



View on adhesive surface

Magnets **18**



STAINLESS STEEL

Description	d 1	d2	d3	d4	d5	h	t	Nominal adhesive forces in N	52
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



GN 50.45



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