GN 50.45

Retaining magnets

elesa+GANTER

INOX
Stainless Steel

Version HF

Type $d_1 \leq 40$
for countersunk screw

Type $d_1 \geq 50$
for socket cap screw

View on adhesive surface

St. Steel housing   Plastic ring

Adhesive surface   Adhesive surface

Magnet

Version SC
$d_1 = 20...40$

View on adhesive surface

St. Steel housing   Plastic ring

Adhesive surface
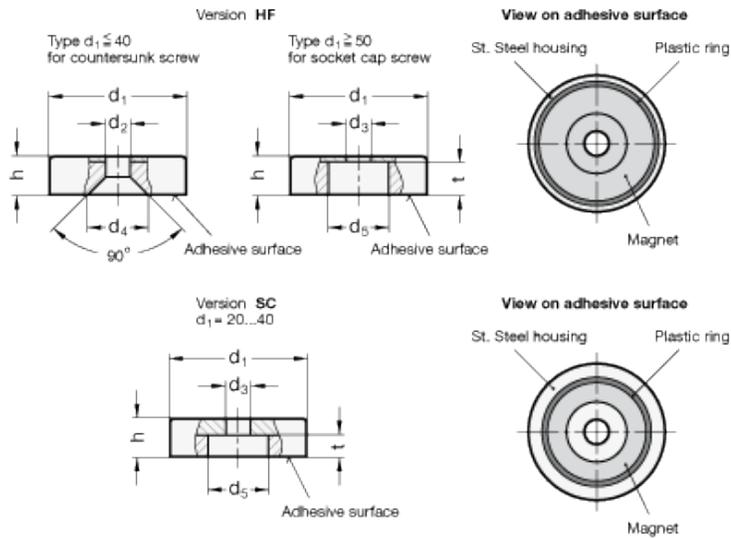
Magnet

technical informations

Specification
Disc-shaped, with bore
Housing Stainless steel

Material of the magnet

- Version HF: Hard ferrite, temperature resistant up to 220 °C.
- Version SC: Samarium, Cobalt SmCO, temperature resistant up to 350 °C.

Accessories on request

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

Features and applications

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

Owing to the lower magnetic conductivity ot 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.

Standard Elements	Main dimensions							Nominal adhesive forces in N	Weigh
Description	d_1	d_2	d_3	d_4	d_5	h	t		g
GN 50.45-HF-20	$20_{+0.1/-0.1}$	4.1	-	10	-	$6_{\pm0.1}$	-	22	9
GN 50.45-HF-25	$25_{+0.1/-0.1}$	5.5	-	11.5	-	7 ± 0.2	-	29	17
GN 50.45-HF-32	$32_{+0.1/-0.1}$	5.5	-	11.5	-	7 ± 0.2	-	58	27
GN 50.45-HF-40	$40_{+0.2/-0.1}$	5.5	-	11.5	-	8 ± 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	85
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	$20_{\pm0.1}$	-	4.5	-	8	$6_{\pm0.1}$	3.5	60	13
GN 50.45-SC-25	$25_{\pm0.1}$	-	4.5	-	8	$7_{\pm0.2}$	4	80	24
GN 50.45-SC-32	$32_{\pm0.1}$	-	5.5	-	11	$7_{\pm0.2}$	4	200	39
GN 50.45-SC-40	$40_{+0.2/-0.1}$	-	5.5	-	10.5	$8_{\pm0.2}$	4	420	85

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