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d ₁	Material of the magnet HF							Material of the magnet SC				Nominal adhesive forces in N	
	d ₂	d ₃	d ₄	d ₅	h	t	d ₃	d ₅	h	t	HF Hard ferrite	SC SmCo	
20 ±0,1	4,1	-	10	-	6 +0,2/-0,1	-	4,5	8	6 ±0,1	3,5	22	60	
25 ±0,1	5,5	-	11,5	-	7 +0,3/-0,2	-	4,5	8	7 ±0,2	4	29	80	
32 ±0,1	5,5	-	11,5	-	7 +0,3/-0,2	-	5,5	11	7 ±0,2	4	58	200	
40 +0,2/-0,1	5,5	-	11,5	-	8 +0,4/-0,2	-	5,5	10,5	8 ±0,2	4	72	420	
50 +0,2/-0,1	-	8,5	-	22	10 +0,5/-0,2	8,5	-	-	-	-	145	-	
63 +0,3/-0,1	-	6,5	-	24	14 +0,5/-0,2	12	-	-	-	-	230	-	

Specification

- Housing
Stainless Steel
- Materials of the magnet:
 - Hard ferrite
temperature resistant up to 220 °C
 - SmCo
Samarium, cobalt
temperature resistant up to 350 °C
- RoHS compliant



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.

see also...

- More information to retaining magnets → Page 1094

On request

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

How to order	1	Material of the magnet
GN50.45-HF-50	2	d ₁

