



2.1

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d	Tolerances		h	Tolerances		Nominal adhesive forces in N		
	HF	SC / ND		HF	SC / ND	HF Hard ferrite	SC SmCo	ND NdFeB
6	-	±0,1	4,5	-	±0,1	-	5	5
8	-	±0,1	4,5	-	±0,1	-	11	13
10	±0,1	±0,1	4,5	+0,2/-0,1	±0,1	4	20	25
13	±0,1	±0,1	4,5	+0,2/-0,1	±0,1	10	40	60
16	±0,1	±0,1	4,5	+0,2/-0,1	±0,1	18	60	95
20	±0,1	±0,1	6	+0,2/-0,1	±0,1	30	90	140
25	±0,1	±0,1	7	+0,3/-0,1	±0,2	40	150	200
32	±0,1	±0,1	7	+0,3/-0,1	±0,2	80	220	350
40	+0,2/-0,1	-	8	+0,4/-0,1	-	125	-	-
50	+0,2/-0,1	-	10	+0,5/-0,1	-	220	-	-
63	+0,3/-0,1	-	14	+0,5/-0,1	-	350	-	-
80	+0,5/-0,1	-	18	+0,5/-0,1	-	600	-	-
100	+0,5/-0,1	-	22	+0,5/-0,1	-	900	-	-
125	+0,5/-0,1	-	26	+0,5/-0,1	-	1300	-	-

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2.6

Specification

- Housing
Steel, zinc plated
- Materials of the magnet:
 - Hard ferrite **HF**
temperature resistant up to 200 °C
 - SmCo **SC**
Samarium, cobalt
temperature resistant up to 200 °C
 - NdFeB **ND**
Neodymium, iron, boron
temperature resistant up to 80 °C
- RoHS compliant

1

Information

Retaining magnets GN 50.1 are a shielded magnetic system.
Fixed in place by gluing or side-mounted thrust bolt (e.g. GN 913.2 grub screw with pointed nose).
see also...
• *More information to retaining magnets* → Page 1094

2.7

2.8

2.9

How to order

GN50.1-SC-13

1 **Material of the magnet**

2 **d**