



2

3

d_1	Material of the magnet HF								Material of the magnet ND			Nominal magnetic forces in N	
	d_2	d_3	d_4	d_5	d_6	d_7	t	d_2	d_4	h	HF Hard ferrite	ND NdFeB	
16 ±0,1	3,5	-	7,5	-	-	-	-	3,5	6,6	4,5 +0,2/-0,1	14	75	
20 ±0,1	4,1	-	10,5	-	-	-	-	4,5	9	6 +0,2/-0,1	27	105	
25 ±0,1	5,5	-	12	-	M 4	-	5,2	4,5	9	7 +0,3/-0,2	36	160	
32 ±0,1	5,5	-	12	-	M 4	-	5,2	5,5	11	7 +0,3/-0,1	72	310	
40 +0,2/-0,1	5,5	-	13,5	-	M 4	-	5,2	5,5	10,6	8 +0,4/-0,1	90	500	
50 +0,2/-0,1	-	8,5 ±0,2	-	22	M 6	M 8	12	8,5	-	10 +0,5/-0,1	180	-	
63 +0,3/-0,1	-	6,5 ±0,2	-	24	M 8	-	13	12	-	14 +0,5/-0,1	290	-	
80 +0,5/-0,1	-	6,5 ±0,2	-	11,5	M 8	M 10	14,5	15	-	18 +0,5/-0,1	540	-	
100 +0,5/-0,1	-	10,5 ±0,2	-	34	-	-	-	18	-	22 +0,5/-0,1	680	-	

Specification

- Housing
Steel, zinc plated
- Materials of the magnet:
 - Hard ferrite
temperature resistant up to 200 °C
 - NdFeB
Neodymium, iron, boron
temperature resistant up to 80 °C
- RoHS compliant

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Information

Retaining magnets GN 50.4 are a shielded magnetic system. To ensure that the magnetic properties (magnetic forces) are not impaired, the fixing screws of the types for countersunk screws and socket cap screws must be made of **non-magnetic** material (magnetic not conductive).

see also...

- More information to retaining magnets → Page 1380 ff.

How to order (with bore)	1	Material of the magnet
GN 50.4-HF-40	2	d_1

How to order (with female thread)	1	Material of the magnet
GN 50.4-HF-50-M8	2	d_1
	3	d_6