



2

3

$d_1$	Material of the magnet HF								Material of the magnet ND			Nominal adhesive 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 (adhesive 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 1094

Retaining magnet with bore	1	Material of the magnet
GN 50.4-HF-40	2	$d_1$

Retaining magnet with female thread	1	Material of the magnet
GN 50.4-HF-50-M8	2	$d_1$
	3	$d_6$