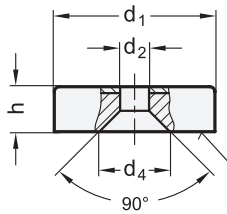
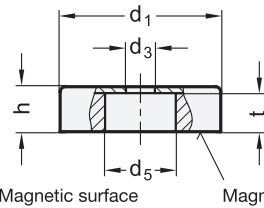


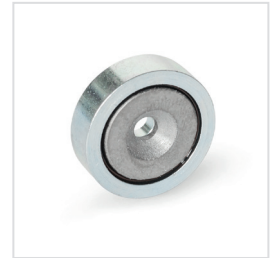
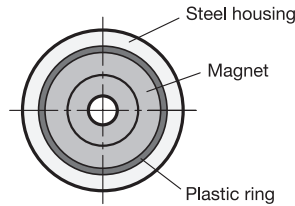
Version $d_1 \leq 47$
for countersunk screw



Version $d_1 \geq 50$
for socket cap screw



View of magnetic surface



d ₁	Tolerances		h	Tolerances			d ₂		d ₃	d ₄		d ₅	t	Nominal magnetic forces in N			
	HF	ND / SC		HF	ND	SC	HF	ND / SC		HF	ND / SC			HF	ND	SC	
10	-	±0,1	4,5	-	±0,1	-	-	2,6	-	-	5,2	-	-	-	19	-	-
13	-	±0,1	4,5	-	±0,1	-	-	3,5	-	-	6,6	-	-	-	40	-	-
16	±0,1	±0,1	4,5	+0,2/-0,1	±0,1	±0,1	3,5	3,5	-	7	6,6	-	-	14	75	57	-
20	±0,1	±0,1	6	+0,2/-0,1	±0,1	±0,1	4,3	4,5	-	10	9,3	-	-	27	105	81	-
25	±0,1	±0,1	7	+0,3/-0,2	±0,2	±0,1	5,5	4,5	-	12	9	-	-	36	160	105	-
32	±0,1	±0,1	7	+0,3/-0,2	±0,2	±0,1	5,5	5,5	-	12	11	-	-	72	310	235	-
40	+0,2/-0,1	±0,1	8	+0,4/-0,2	±0,2	±0,1	5,5	5,5	-	13	10,3	-	-	90	500	540	-
47	-	+0,2/-0,1	9,2	-	±0,3	-	-	8,5	-	-	17,3	-	-	-	740	-	-
50	+0,2/-0,1	-	10	+0,5/-0,2	-	-	-	-	8,5	-	-	22	8,5	180	-	-	-
57	+0,2/-0,1	-	11	+0,5/-0,2	-	-	-	-	6,5	-	-	24	9	230	-	-	-
63	+0,3/-0,1	-	14	+0,5/-0,2	-	-	-	-	6,5	-	-	24	12	290	-	-	-
80	+0,3/-0,1	-	10	+0,5/-0,2	-	-	-	-	6,5	-	-	32	8	450	-	-	-
80	+0,3/-0,1	-	18	+0,5/-0,2	-	-	-	-	6,5	-	-	11,5	15	540	-	-	-
83	+0,3/-0,1	-	18	+0,5/-0,2	-	-	-	-	10,5	-	-	32	15	600	-	-	-
100	+0,5/-0,1	-	22	+0,5/-0,2	-	-	-	-	10,5	-	-	34	18	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
 - SmCo
Samarium, cobalt
Temperature resistant up to 280 °C

• RoHS

Accessory

- Holding Disks GN 70 → Page 2072
- Adhesive Disks GN 70.1 → Page 2073
- Rubber Caps GN 70.2 → Page 2074

Information

Retaining magnets GN 50.4 are combined with a steel housing and a plastic ring into a system that shields and strengthens the magnet for optimal transmission of the magnetic flux onto the magnetic surface.

To avoid negatively impacting the magnetic properties, the fastening screws should be made of a non-magnetic material such as stainless steel, brass or plastic.

see also...

- *More Information to Retaining Magnets* → Page 2028
- *Stainless Steel Retaining Magnets GN 50.45 (with Bore)* → Page 2038
- *Raw Magnets GN 55.1 (with Bore)* → Page 2068
- *Retaining Magnets GN 51.4 (with Bore, with Rubber Jacket)* → Page 2042

How to order

GN50.4-SC-40-8-5,5

1	Material of the magnet
2	d ₁
3	h
4	d ₂ (d ₃)