GN 55.4

Raw Magnets

Block-Shaped

SPECIFICATION

Materials of the magnet:

SmCo **SC**
Samarium, cobalt
Plain
Temperature resistant up to 350 °C

NdFeB **ND**
Neodymium, iron, boron
Nickel-plated
Temperature resistant up to 80 °C

Hard ferrite **HF**
Plain
Temperature resistant up to 250 °C

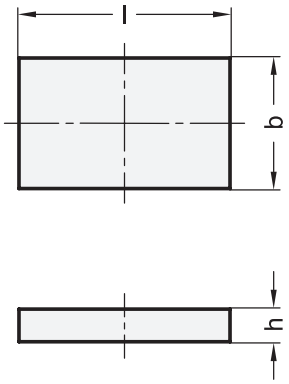
INFORMATION

Raw magnets GN 55.4 are block-shaped unshielded magnets.
The can be fastened using adhesives, overcoats or by mechanical clamping. If no suitable retaining magnets or magnet systems are available, raw magnets may be used in combination with appropriate holding constructions to build up highly specific magnet systems.
When used without air gap, individual raw magnets always have lower magnetic forces than a magnet system in which shielding and magnetic return enormously intensify the force acting at the magnetic surface. Depending on the air gap between magnet and mating component, individual raw magnets, unlike magnet systems, can have substantially higher retaining forces.

- More Information on Retaining Magnets (see page 2022)

ON REQUEST

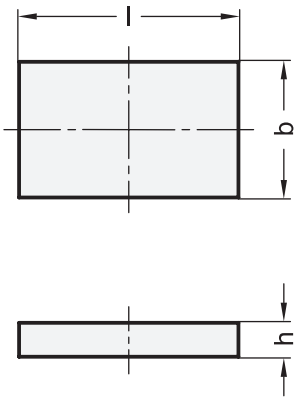
- Other dimensions **SC**, **HF**
- Zinc or nickel-plated finish **SC**
- Other dimensions and shape **ND**
- Temperature resistant up to 220 °C **ND**
- With adhesive pad **ND**
- Zinc or gold-plated finish **ND**



GN 55.4-SC

Description	l ±0.1	b ±0.1	h ±0.1	Nominal magnetic forces in N	⚖
GN 55.4-SC-7,5-4-1,5	7.5	4	1.5	3.4	1
GN 55.4-SC-7,5-6-2	7.5	6	2	5	2
GN 55.4-SC-10-7,5-2	10	7.5	2	7.5	3
GN 55.4-SC-12-9,5-2,5	12	9.5	2.5	11	4
GN 55.4-SC-16-12,5-2,5	16	12.5	2.5	15	5
GN 55.4-SC-18-16,5-4	18	16.5	4	29	12
GN 55.4-SC-26-20,3-5	26	20.3	5	51	30
GN 55.4-SC-33-26,3-6,5	33	26.3	6.5	85	58

GN 55.4 | Raw Magnets



GN 55.4-ND

Description	l ±0.1	b ±0.1	h ±0.1	Nominal magnetic forces in N	⚖
GN 55.4-ND-7,5-4-1,5	7.5	4	1.5	5	1
GN 55.4-ND-7,5-6-2	7.5	6	2	8	2
GN 55.4-ND-10-5-1,8	10	5	1.8	6	7
GN 55.4-ND-10-7,5-2	10	7.5	2	11	1
GN 55.4-ND-12-9,5-2,5	12	9.5	2.5	17	2
GN 55.4-ND-16-12,5-2,5	16	12.5	2.5	24	4
GN 55.4-ND-18-16,5-3	18	16.5	3	30	7
GN 55.4-ND-18-16,5-4	18	16.5	4	50	10
GN 55.4-ND-20-10-5	20	10	5	50	8
GN 55.4-ND-22,7-5,7-7	22.7	5.7	7	36	7
GN 55.4-ND-25-10-2	25	10	2	28	4
GN 55.4-ND-26-20,3-5	26	20.3	5	77	26
GN 55.4-ND-26-26-3,8	26	26	3.8	60	19
GN 55.4-ND-33-26,3-6,5	33	26.3	6.5	125	60
GN 55.4-ND-37,5-10-5	37.5	10	5	77	14
GN 55.4-ND-40-18-6	40	18	6	115	32
GN 55.4-ND-40-18-12	40	18	12	240	66
GN 55.4-ND-49,5-9,3-4,9	49.5	9.3	4.9	87	17

GN 55.4-HF

Description	l	b	h ±0.1	Nominal magnetic forces in N	⚖
GN 55.4-HF-12-10,5-7	12 ±0.3	10.5 ±0.2	7	4	4
GN 55.4-HF-25-9-5	25 ±0.3	9 ±0.2	5	5	6
GN 55.4-HF-30-10-6	30 ±0.5	10 ±0.3	6	7	8
GN 55.4-HF-40-10-4	40 ±1	10 ±0.3	4	6.5	8
GN 55.4-HF-40-18-6	40 ±0.2	18 ±0.2	6	11	21
GN 55.4-HF-43-10-3,8	43 -0.5	10 ±0.2	3.8	6	8
GN 55.4-HF-45-12-6	45 ±0.5	12 ±0.3	6	10	16
GN 55.4-HF-49,5-9,3-4,9	49.5 ±0.5	9.3 ±0.3	4.9	10	12
GN 55.4-HF-75,5-14-9.8	75.5 ±1.5	14 ±0.1	9.8	28	21