

Raw Magnets

Disk-Shaped, without Bore

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 55.2 are disk-shaped unshielded magnets. They 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**

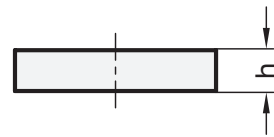
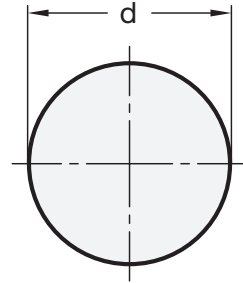
- Zinc or nickel-plated finish **SC**

- Other dimensions and shape **ND**

- Temperature resistant up to 220 °C **ND**

- With adhesive pad **ND**

- Zinc or gold-plated finish **ND**

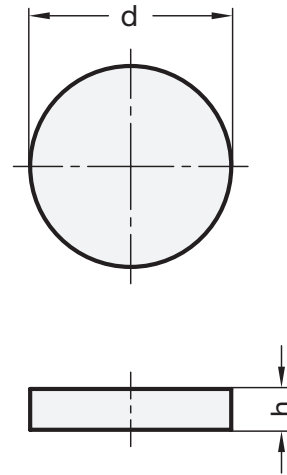


GN 55.2-SC

Description	d ±0.1	h ±0.1	Nominal magnetic forces in N	⚖️
GN 55.2-SC-4-3	4	3	2.5	1
GN 55.2-SC-5-3	5	3	3.5	1
GN 55.2-SC-6-3	6	3	4	1
GN 55.2-SC-7-3	7	3	6	1
GN 55.2-SC-8-3	8	3	8	1
GN 55.2-SC-10-3	10	3	10	2
GN 55.2-SC-12-3	12	3	11	4
GN 55.2-SC-15-3	15	3	18	6
GN 55.2-SC-15-4	15	4	22	6
GN 55.2-SC-18-3	18	3	25	8
GN 55.2-SC-20-4	20	4	32	10
GN 55.2-SC-24-3	24	3	30	12
GN 55.2-SC-25-4	25	4	41	16

GN 55.2-ND

Description	d	h ±0.1	Nominal magnetic forces in N	⚖️
GN 55.2-ND-2-2	2 ±0.1	2	0.8	1
GN 55.2-ND-2-4	2 ±0.1	4	1	1
GN 55.2-ND-2.5-1	2.5 ±0.1	1	0.8	1
GN 55.2-ND-3-2	3 ±0.1	2	1.5	1
GN 55.2-ND-3-6	3 ±0.1	6	2.5	1
GN 55.2-ND-4-3	4 ±0.1	3	2.8	2
GN 55.2-ND-4-5	4 ±0.1	5	3.5	1
GN 55.2-ND-5-2	5 ±0.1	2	4.5	1
GN 55.2-ND-5-3	5 ±0.1	3	5	2
GN 55.2-ND-5-5	5 ±0.1	5	5.5	1
GN 55.2-ND-6-2	6 ±0.1	2	5.5	1
GN 55.2-ND-6-3	6 ±0.1	3	7.5	1
GN 55.2-ND-7-6	7 ±0.1	6	12	2
GN 55.2-ND-7-11	7 ±0.1	11	19	3
GN 55.2-ND-8-2	8 ±0.1	2	7	1
GN 55.2-ND-8-3	8 ±0.1	3	10	1
GN 55.2-ND-8-4	8 ±0.1	4	13	2
GN 55.2-ND-10-1	10 ±0.1	1	5	1
GN 55.2-ND-10-2	10 ±0.1	2	10	1
GN 55.2-ND-10-3	10 ±0.1	3	15	2
GN 55.2-ND-10-5	10 ±0.1	5	21	3
GN 55.2-ND-10-6	10 ±0.1	6	25	3
GN 55.2-ND-12-2	12 ±0.1	2	13	2
GN 55.2-ND-12-3	12 ±0.1	3	20	3
GN 55.2-ND-12-6	12 ±0.1	6	33	5
GN 55.2-ND-12-10	12 ±0.1	10	49	9
GN 55.2-ND-13,3-12	13.3 ±0.1	12	73	13
GN 55.2-ND-14-3	14 ±0.1	3	24	2
GN 55.2-ND-14-4	14 ±0.1	4	30	4
GN 55.2-ND-15-2	15 ±0.1	2	16	3
GN 55.2-ND-15-3	15 ±0.1	3	25	4
GN 55.2-ND-15-5	15 ±0.1	5	37	6
GN 55.2-ND-16-8	16 ±0.1	8	54	12
GN 55.2-ND-18-1.5	18 ±0.1	1.5	10	3
GN 55.2-ND-18-3	18 ±0.1	3	32	7
GN 55.2-ND-18-4	18 ±0.1	4	36	8
GN 55.2-ND-20-3	20 ±0.1	3	39	9
GN 55.2-ND-23-12	23 -0.5	12	135	37
GN 55.2-ND-23-21	23 -0.5	21	180	66
GN 55.2-ND-24-3	24 ±0.1	3	39	12
GN 55.2-ND-24-4	24 ±0.1	4	55	14
GN 55.2-ND-25-5	25 ±0.1	5	67	18
GN 55.2-ND-32-3	32 ±0.1	3	54	18
GN 55.2-ND-38-4	38 ±0.1	4	76	34
GN 55.2-ND-40-4	40 ±0.1	4	94	38
GN 55.2-ND-48-5	48 ±0.1	5	125	68
GN 55.2-ND-56-6	56 ±0.2	6	188	112



GN 55.2-HF

Description	d	h	Nominal magnetic forces in N	⚖️
GN 55.2-HF-8-4	8 +0.5	4 ±0.1	1.7	1
GN 55.2-HF-10,7-4	10.7 +0.3	4 ±0.8	2.5	2
GN 55.2-HF-13,6-3,9	13.6 ±0.3	3.9 ±0.1	3.5	3
GN 55.2-HF-17,2-5,3	17.2 ±0.3	5.3 ±0.1	4	6
GN 55.2-HF-19,8-10	19.8 ±0.4	10 ±0.1	9	15
GN 55.2-HF-20-6	20 -0.4	6 ±0.1	6	9
GN 55.2-HF-21,5-6	21.5 ±0.3	6 ±0.1	7.5	11
GN 55.2-HF-28-6	28 ±0.5	6 ±0.1	10	18
GN 55.2-HF-30,2-10,3	30.2 -0.8	10.3 ±0.1	16	36
GN 55.2-HF-30,5-6	30.5 ±0.1	6 ±0.1	11	20
GN 55.2-HF-35,2-6,5	35.2 ±0.1	6.5 ±0.1	15	32
GN 55.2-HF-40-7	40 ±0.8	7 ±0.1	19	45
GN 55.2-HF-45-8,5	45 -0.9	8.5 ±0.1	22	65
GN 55.2-HF-51-8,4	51 ±1	8.4 ±0.1	24	90
GN 55.2-HF-56-12	56 ±1.2	12 ±0.1	29	150
GN 55.2-HF-70-15	70 ±1.2	15 ±0.1	71	280
GN 55.2-HF-72-8	72 ±0.2	8 ±0.1	30	156
GN 55.2-HF-87-18	87 ±1.5	18 ±0.1	85	500
GN 55.2-HF-108-21	108 -1	21 ±0.1	100	920



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