



Universal table

Dimensions in: millimeters - inches

² d ±0.1	³ h ±0.1	Nominal magnetic forces
2 0.079	2 0.079	0.8 N 0.18 lbf
2 0.079	4 0.157	1 N 0.22 lbf
2.5 0.098	1 0.039	0.8 N 0.18 lbf
3 0.118	2 0.079	1.5 N 0.34 lbf
3 0.118	6 0.236	2.5 N 0.56 lbf
4 0.157	3 0.118	2.8 N 0.63 lbf
4 0.157	5 0.197	3.5 N 0.79 lbf
5 0.197	2 0.079	4.5 N 1.01 lbf
5 0.197	3 0.118	5 N 1.12 lbf
5 0.197	5 0.197	5.5 N 1.24 lbf
6 0.236	2 0.079	5.5 N 1.24 lbf
6 0.236	3 0.118	7.5 N 1.69 lbf
7 0.276	6 0.236	12 N 2.70 lbf
7 0.276	11 0.433	19 N 4.72 lbf
8 0.315	2 0.079	7 N 1.57 lbf
8 0.315	3 0.118	10 N 2.25 lbf

² d ±0.1	³ h ±0.1	Nominal magnetic forces
8 0.315	4 0.157	13 N 2.92 lbf
10 0.394	1 0.039	5 N 1.12 lbf
10 0.394	2 0.079	10 N 2.25 lbf
10 0.394	3 0.118	15 N 3.37 lbf
10 0.394	5 0.197	21 N 4.72 lbf
10 0.394	6 0.236	25 N 5.62 lbf
12 0.472	2 0.079	13 N 2.92 lbf
12 0.472	3 0.118	20 N 4.50 lbf
12 0.472	6 0.236	33 N 7.42 lbf
12 0.472	10 0.394	49 N 11.02 lbf
13.3 0.524	12 0.472	73 N 16.41 lbf
14 0.551	3 0.118	24 N 5.40 lbf
14 0.551	4 0.157	30 N 6.74 lbf
15 0.591	2 0.079	16 N 3.60 lbf
15 0.591	3 0.118	25 N 5.62 lbf
15 0.591	5 0.197	37 N 8.32 lbf

² d	³ h ±0.1	Nominal magnetic forces
16 ±0.1 0.630 ±0.004	8 0.315	54 N 12.14 lbf
18 ±0.1 0.709 ±0.004	1.5 0.059	10 N 2.25 lbf
18 ±0.1 0.709 ±0.004	3 0.118	32 N 7.19 lbf
18 ±0.1 0.709 ±0.004	4 0.157	36 N 8.09 lbf
20 ±0.1 0.787 ±0.004	3 0.118	39 N 8.77 lbf
23 ±0.1 0.906 ±0.004	12 0.472	135 N 30.35 lbf
23 ±0.1 0.906 ±0.004	21 0.827	180 N 40.47 lbf
24 ±0.1 0.945 ±0.004	3 0.118	39 N 8.77 lbf
24 ±0.1 0.945 ±0.004	4 0.157	55 N 12.36 lbf
25 ±0.1 0.984 ±0.004	5 0.197	67 N 15.06 lbf
32 ±0.1 1.260 ±0.004	3 0.118	54 N 12.14 lbf
38 ±0.1 1.496 ±0.004	4 0.157	76 N 17.09 lbf
40 ±0.1 1.575 ±0.004	4 0.157	94 N 21.13 lbf
48 ±0.1 1.890 ±0.004	5 0.197	125 N 28.10 lbf
56 ±0.1 2.205 ±0.004	6 0.236	188 N 42.26 lbf

Specification

- Magnet material
NdFeB **ND**
Neodymium, iron, boron
- Nickel plated
- Temperature resistant up to 176 °F (80 °C)
- RoHS compliant

On request

- Other dimensions and shape
- Temperature resistant up to 428 °F (220 °C)
- With adhesive pad
- Zinc or gold plated finish

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.

see also...

- More Information on Retaining Magnets → page 1990

How to order GN 55.2-ND-24-3	¹ Magnet material
	² Diameter d
	³ Height h