

Universal



Universal table

Dimensions in: millimeters - *inches*

d ±0.1	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*
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*
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