



Universal table

Dimensions in: millimeters - inches

d -0.2	Length l	Nominal magnetic forces
3 0.118	10 ±0.1 0.394 ±0.004	1.1 N 0.25 lbf
3 0.118	12 ±0.1 0.472 ±0.004	1.3 N 0.29 lbf
4 0.157	16 ±0.1 0.630 ±0.004	1.9 N 0.43 lbf
4 0.157	20 ±0.1 0.787 ±0.004	2 N 0.45 lbf
5 0.197	20 ±0.1 0.787 ±0.004	2.3 N 0.52 lbf
6 0.236	15 ±0.1 0.591 ±0.004	2.8 N 0.63 lbf
6 0.236	24 ±0.1 0.945 ±0.004	2.8 N 0.63 lbf
6 0.236	30 ±0.1 1.181 ±0.004	2.8 N 0.63 lbf
8 0.315	25 ±0.1 0.984 ±0.004	3.8 N 0.85 lbf
8 0.315	32 ±0.1 1.260 ±0.004	3.8 N 0.85 lbf

d -0.2	Length l	Nominal magnetic forces
10 0.394	20 ±0.1 0.787 ±0.004	5 N 1.12 lbf
10 0.394	40 ±0.1 1.575 ±0.004	7 N 1.57 lbf
12 0.472	40 ±0.1 1.575 ±0.004	8 N 1.80 lbf
12 0.472	48 ±0.1 1.890 ±0.004	8 N 1.80 lbf
15 0.591	30 ±0.1 1.181 ±0.004	10 N 2.25 lbf
15 0.591	60 ±0.1 2.362 ±0.004	11 N 2.47 lbf
20 0.787	40 ±0.2 1.575 ±0.008	17 N 3.82 lbf
20 0.787	80 ±0.2 3.150 ±0.008	38 N 8.54 lbf
34 1.339	80 ±0.2 3.150 ±0.008	61 N 13.71 lbf

Specification

- Magnet material
AlNiCo
Aluminum, nickel, cobalt
- Plain finish
- Temperature resistant up to 842 °F (450 °C)
- RoHS compliant



AN

On request

- Other dimensions

Information

Raw magnets GN 55.3 are rod-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 XYZ

How to order	
GN 55.3-AN-10-40	1 Magnet material
	2 Diameter d
	3 Length l

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10