

Universal



Universal table

Dimensions in: millimeters - *inches*

2 d -0.2	3 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

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

On request

- Other dimensions

Information

Raw magnets GN 55.3 are rod-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.

see also...
- *More Information on Retaining Magnets → page XYZ*

How to order
1 2 3
GN 55.3-AN-10-40

1	**Magnet material**
2	**Diameter d**
3	**Length l**

⚠ **WARNING:** Cancer and Reproductive Harm — www.P65Warnings.ca.gov |