



**Metric table**

<sup>2</sup> <b>d<sub>1</sub> ±0.1</b>	<sup>3</sup> <b>d<sub>2</sub> ±0.1</b>	<sup>4</sup> <b>h ±0.1</b>	Nominal magnetic forces
15 <i>0.591</i>	8 <i>0.315</i>	3.5 <i>0.138</i>	23 N <i>5.17 lbf</i>
18 <i>0.709</i>	8 <i>0.315</i>	4 <i>0.157</i>	31 N <i>6.97 lbf</i>
24 <i>0.945</i>	11 <i>0.433</i>	4 <i>0.157</i>	51 N <i>11.47 lbf</i>
32 <i>1.260</i>	10.5 <i>0.413</i>	4 <i>0.157</i>	77 N <i>17.31 lbf</i>

Dimensions in: millimeters - inches

<sup>2</sup> <b>d<sub>1</sub> ±0.1</b>	<sup>3</sup> <b>d<sub>2</sub> ±0.1</b>	<sup>4</sup> <b>h ±0.1</b>	<b>d<sub>3</sub></b>	Nominal magnetic forces
12 <i>0.472</i>	3.5 <i>0.138</i>	3 <i>0.118</i>	6.7 ±0.4 <i>0.264 ±0.016</i>	15 N <i>3.37 lbf</i>
15 <i>0.591</i>	4.5 <i>0.177</i>	3.5 <i>0.138</i>	9.3 +1 <i>0.366 ±0.039</i>	21 N <i>4.72 lbf</i>
18 <i>0.709</i>	4.5 <i>0.177</i>	4 <i>0.157</i>	9 +1 <i>0.354 ±0.039</i>	30 N <i>6.74 lbf</i>
24 <i>0.945</i>	5.5 <i>0.217</i>	4 <i>0.157</i>	11.5 ±0.5 <i>0.453 ±0.020</i>	56 N <i>12.59 lbf</i>
32 <i>1.260</i>	5.5 <i>0.217</i>	4 <i>0.157</i>	11.5 ±0.5 <i>0.453 ±0.020</i>	72 N <i>16.19 lbf</i>

**Specification**

- Magnet material  
SmCo  
Samarium, cobalt  
- Plain finish  
- Temperature resistant up to 662 °F (350 °C)
- RoHS compliant



**SC**

**On request**

- Other dimensions
- Zinc or nickel plated finish

**Information**

Raw magnets GN 55.1 are disk-shaped unshielded magnets. They can be easily and securely fastened using the bore or countersunk. 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
- Raw Magnets GN 55.2 (Disk-Shaped, without Hole) → page XYZ
- Raw Magnets GN 55.3 (Rod-Shaped, without Hole) → page XYZ
- Raw Magnets GN 55.4 (Rectangular-Shaped, without Hole) → page XYZ

How to order	
<sup>1</sup>	Magnet material
<sup>2</sup>	Outer diameter d <sub>1</sub>
<sup>3</sup>	Inner diameter d <sub>2</sub>
<sup>4</sup>	Height h

**GN 55.1-SC-15-8-3.5**