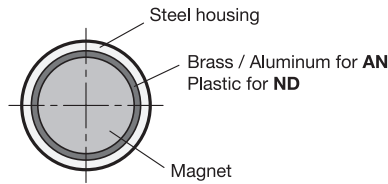


View of magnetic surface



**3 Identification no.**

- 1 Tolerance d = ±0.1 mm
- 2 Tolerance d = h6

**Universal table**

Dimensions in: millimeters - inches

d	Material AN				Material ND				Nominal magnetic forces	
	h ±0.2 ld. no. 1	k* ld. no. 1	h ±0.2 ld. no. 2	k* ld. no. 2	h ±0.2 ld. no. 1	k* ld. no. 1	h ±0.2 ld. no. 2	k* ld. no. 2	AN	ND
4 0.16	-	-	-	-	20 0.79	15 0.59	10 0.39	7 0.28	-	2.5 N 0.56 lbf
5 0.20	-	-	-	-	20 0.79	15 0.59	10 0.39	6 0.24	-	4.5 N 1.01 lbf
6 0.24	20 0.79	12 0.47	10 0.39	2 0.08	20 0.79	15 0.59	10 0.39	5 0.20	2 N 0.45 lbf	6 N 1.35 lbf
8 0.31	20 0.79	11 0.43	12 0.47	3 0.12	20 0.79	15 0.59	12 0.47	7 0.28	4 N 0.90 lbf	12 N 2.70 lbf
10 0.39	20 0.79	10 0.39	16 0.63	6 0.24	20 0.79	15 0.59	16 0.63	11 0.43	8.5 N 1.91 lbf	24 N 5.40 lbf
13 0.51	20 0.79	8 0.31	18 0.71	6 0.24	20 0.79	15 0.59	18 0.71	13 0.51	12 N 2.70 lbf	60 N 13.49 lbf
16 0.63	20 0.79	6 0.24	20 0.79	6 0.24	20 0.79	15 0.59	20 0.79	15 0.59	20 N 4.50 lbf	90 N 20.23 lbf
20 0.79	25 0.98	5 0.20	25 0.98	5 0.20	25 0.98	18 0.71	25 0.98	18 0.71	40 N 8.99 lbf	135 N 30.35 lbf
25 0.98	35 1.38	13 0.51	30 1.18	7 0.28	35 1.38	27 1.06	30 1.18	22 0.87	60 N 13.49 lbf	190 N 42.71 lbf
32 1.26	40 1.57	9 0.35	35 1.38	4 0.16	40 1.57	32 1.26	35 1.38	27 1.06	160 N 35.97 lbf	340 N 76.44 lbf
40 1.57	50 1.97	10 0.39	45 1.77	5 0.20	-	-	-	-	240 N 53.95 lbf	-
50 1.97	60 2.36	10 0.39	50 1.97	-	-	-	-	-	400 N 89.92 lbf	-
63 2.48	65 2.56	10 0.39	60 2.36	5 0.20	-	-	-	-	660 N 148 lbf	-

\*k is the maximum dimension by which the retaining magnet can be shortened without losing its properties

**Specification**

- Housing  
Steel
  - Identification no. 1: zinc plated
  - Identification no. 2: plain
- Magnet materials
 

- AlNiCo	<b>AN</b>
Aluminum, nickel, cobalt	
Temperature resistant up to 842 °F (450 °C)	
- NdFeB	<b>ND</b>
Neodymium, iron, boron	
Temperature resistant up to 176 °F (80 °C)	
- RoHS compliant

**Information**

GN 52.1 retaining magnets, in combination with the steel housing and the insulation made of brass / aluminum or plastic, form a system that shields and strengthens the magnet for optimal transmission of the magnetic flux onto the magnetic surface.

The retaining magnets can be mounted easily and safely by pressing, shrinking or gluing.

**Accessory**

- Magnet holding disks GN 70 → page 2029
- Self-adhesive disks GN 70.1 → page 2030
- Rubber caps GN 70.2 → page 2031

**How to order**

**GN 52.1-AN-20-1**

- |   |                    |
|---|--------------------|
| 1 | Magnet material    |
| 2 | Diameter d         |
| 3 | Identification no. |

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10