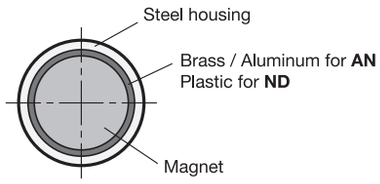


View of magnetic surface



Universal



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 Id. no. 1	**k*** Id. no. 1	**h** ±0.2 Id. no. 2	**k*** Id. no. 2	**h** ±0.2 Id. no. 1	**k*** Id. no. 1	**h** ±0.2 Id. no. 2	**k*** Id. 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

- Magnet materials
  - AlNiCo **AN**
    Aluminum, nickel, cobalt
    Temperature resistant
    up to 842 °F (450 °C)
  - NdFeB **ND**
    Neodymium, iron, boron
    Temperature resistant
    up to 176 °F (80 °C)
- Housing
  Steel
  - Identification no. 1: zinc plated
  - Identification no. 2: plain finish
- 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.**