

# GN 52.1 Retaining Magnets

## Steel, rod-shaped, smooth finish

Photo



Material of the magnet: AN - AlNiCo



### Product description

#### Information

GN 52.1 retaining magnets are a shielded magnetic assembly.

Mounting options include pressing in, shrinking in, or gluing in.

#### Specification

Housing  
Steel

- Identification No. 1: zinc plated
- Identification No. 2: blank

Materials of the magnet:

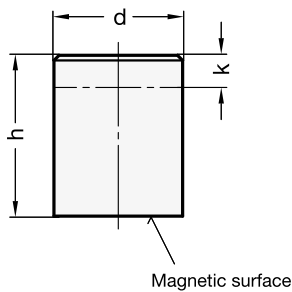
- AlNiCo  
Aluminum, nickel, cobalt  
temperature resistant up to 450° C
- NdFeB  
Neodymium, iron, boron  
temperature resistant up to 80° C

AN

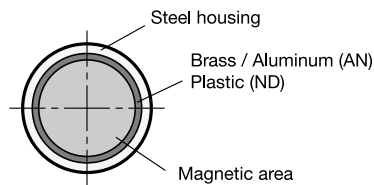
ND

RoHS compliant

### Technical drawing



View of magnetic surface



### Part Options / Table

#### Identification No.

1	Tolerance d = ±0.2 mm
2	Tolerance d = h6

#### Metric

d	AN				ND				Nominal magnetic forces	
	h ±0.008 Id. No. 1	k *) Id. No. 1	h ±0.008 Id. No. 2	k *) Id. No. 2	h ±0.008 Id. No. 1	k *) Id. No. 1	h ±0.008 Id. No. 2	k *) Id. No. 2	AN AlNiCo	ND NdFeB
.16	-	-	-	-	.79	.59	-	-	-	.56 lbf (2.5 N)
.20	-	-	-	-	.79	.59	-	-	-	1.01 lbf (4.5 N)
.24	20	12	10	2	.79	.59	.39	.20	.45 lbf (2 N)	1.35 lbf (6 N)
.31	20	11	12	3	.79	.59	.47	.28	.90 lbf (4 N)	2.70 lbf (12 N)
.39	20	10	16	6	.79	.59	.63	.43	1.91 lbf (8.5 N)	5.40 lbf (24 N)
.51	20	8	18	6	.79	.59	.71	.51	2.70 lbf (12 N)	13.49 lbf (60 N)
.63	20	6	20	6	.79	.59	.79	.59	4.50 lbf (20 N)	20.23 lbf (90 N)
.79	25	5	25	5	.98	.71	.98	.71	8.99 lbf (40 N)	30.35 lbf (135 N)
.98	35	13	30	7	1.38	1.06	1.18	.87	13.49 lbf (60 N)	42.71 lbf (190 N)
1.26	40	9	35	4	1.57	1.26	1.38	1.06	35.97 lbf (160 N)	76.44 lbf (340 N)
1.57	50	10	45	5	-	-	-	-	53.95 lbf (240 N)	-
1.97	60	10	50	-	-	-	-	-	89.92 lbf (400 N)	-
2.48	65	10	60	5	-	-	-	-	148 lbf (660 N)	-