

GN 52.1

Retaining magnets

• Specification

Rod-shaped, smooth finish
Housing, steel

Identification no. 1: zinc plated, tolerance $d = +0.2/-0.2$

Identification no. 2: blank, tolerance $d = h6$

• Materials of the magnet

- Aluminium, nickel, cobalt AlNiCo **AN**, temperature resistant up to 450° C

- Neodymium, iron, boron NdFeB **ND**, temperature resistant up to 80° C

Features and applications

Retaining magnets GN 52.1 are a shielded magnetic system.

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

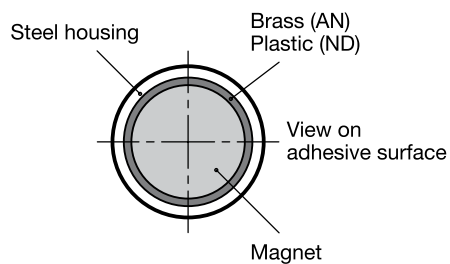
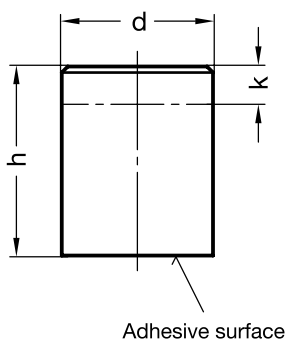
Further details for retaining magnets see page 3 to 5.

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



16

Retaining magnets



| Standard Elements | Main dimensions | | | Nominal adhesive forces in N | \triangle |
|-------------------|-----------------|---------------|------|------------------------------|-------------|
| Description | d | h $+0.2/-0.2$ | k *) | | g |
| GN 52.1-AN-6-1 | 6 | 20 | 12 | 2 | 5 |
| GN 52.1-AN-8-1 | 8 | 20 | 11 | 4 | 8 |
| GN 52.1-AN-10-1 | 10 | 20 | 10 | 8.5 | 12 |
| GN 52.1-AN-13-1 | 13 | 20 | 8 | 12 | 19 |
| GN 52.1-AN-16-1 | 16 | 20 | 6 | 20 | 30 |
| GN 52.1-AN-20-1 | 20 | 25 | 5 | 40 | 58 |
| GN 52.1-AN-25-1 | 25 | 35 | 13 | 60 | 125 |
| GN 52.1-AN-32-1 | 32 | 40 | 9 | 160 | 220 |
| GN 52.1-AN-40-1 | 40 | 50 | 10 | 240 | 440 |
| GN 52.1-AN-50-1 | 50 | 60 | 10 | 400 | 813 |
| GN 52.1-AN-63-1 | 63 | 65 | 10 | 660 | 1306 |
| GN 52.1-AN-6-2 | 6 | 10 | 2 | 2 | 2 |
| GN 52.1-AN-8-2 | 8 | 12 | 3 | 4 | 5 |
| GN 52.1-AN-10-2 | 10 | 16 | 6 | 8.5 | 10 |
| GN 52.1-AN-13-2 | 13 | 18 | 6 | 12 | 18 |
| GN 52.1-AN-16-2 | 16 | 20 | 6 | 20 | 30 |
| GN 52.1-AN-20-2 | 20 | 25 | 5 | 40 | 57 |
| GN 52.1-AN-25-2 | 25 | 30 | 7 | 60 | 106 |
| GN 52.1-AN-32-2 | 32 | 35 | 4 | 160 | 187 |
| GN 52.1-AN-40-2 | 40 | 45 | 5 | 240 | 390 |
| GN 52.1-AN-50-2 | 50 | 50 | - | 400 | 639 |
| GN 52.1-AN-63-2 | 63 | 60 | 5 | 660 | 1175 |
| GN 52.1-ND-4-1 | 4 | 20 | 15 | 2.5 | 2 |
| GN 52.1-ND-5-1 | 5 | 20 | 15 | 4.5 | 3 |
| GN 52.1-ND-6-1 | 6 | 20 | 15 | 6 | 5 |
| GN 52.1-ND-8-1 | 8 | 20 | 15 | 12 | 8 |
| GN 52.1-ND-10-1 | 10 | 20 | 15 | 24 | 12 |
| GN 52.1-ND-13-1 | 13 | 20 | 15 | 60 | 21 |
| GN 52.1-ND-16-1 | 16 | 20 | 15 | 90 | 31 |
| GN 52.1-ND-20-1 | 20 | 25 | 18 | 135 | 61 |
| GN 52.1-ND-25-1 | 25 | 35 | 27 | 190 | 133 |
| GN 52.1-ND-32-1 | 32 | 40 | 32 | 340 | 249 |
| GN 52.1-ND-6-2 | 6 | 10 | 5 | 6 | 2 |
| GN 52.1-ND-8-2 | 8 | 12 | 7 | 12 | 5 |
| GN 52.1-ND-10-2 | 10 | 16 | 11 | 24 | 9 |
| GN 52.1-ND-13-2 | 13 | 18 | 13 | 60 | 18 |
| GN 52.1-ND-16-2 | 16 | 20 | 15 | 90 | 31 |
| GN 52.1-ND-20-2 | 20 | 25 | 18 | 135 | 60 |
| GN 52.1-ND-25-2 | 25 | 30 | 22 | 190 | 115 |
| GN 52.1-ND-32-2 | 32 | 35 | 27 | 340 | 218 |