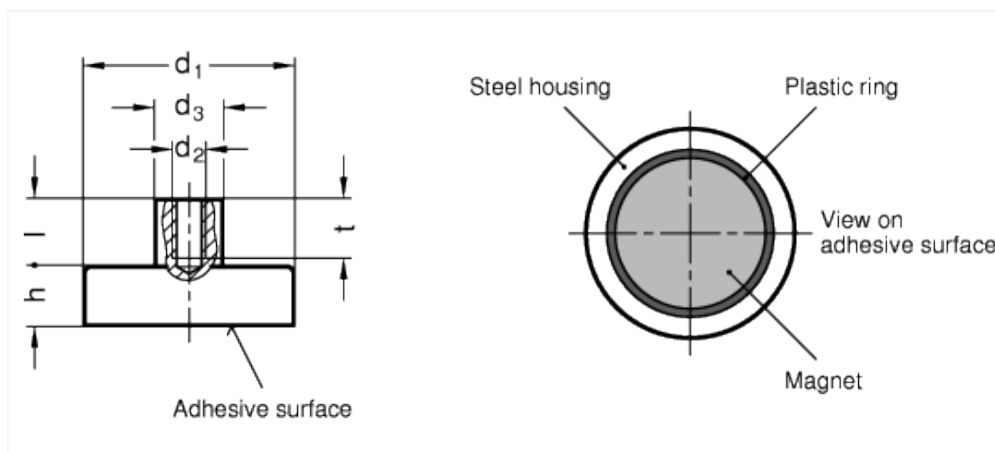


# GN 50.2

Retaining magnets



## technical informations

### Specification

Disc shaped, with female thread  
Housing / threaded bush steel, zinc-plated

### Materials of the magnet

- Hard ferrite HF, temperature resistant up to 200° C
- Samarium, cobalt SmCo SC, temperature resistant up to 200° C
- Neodymium, iron, boron NdFeB ND, temperature resistant up to 80° C

### Features and applications

Retaining magnets GN 50.2 are a shielded magnetic system.

| Standard Elements | Main dimensions    |                |                   |                          |          |   | Nominal adhesive forces<br>in N | Weight |
|-------------------|--------------------|----------------|-------------------|--------------------------|----------|---|---------------------------------|--------|
| Description       | d <sub>1</sub>     | d <sub>2</sub> | d <sub>3</sub>    | h                        | Length l | t |                                 | g      |
| GN 50.2-HF-10-M3  | 10 <sub>±0.1</sub> | M 3            | 6 <sub>±0.1</sub> | 4.5 <sub>+0.2/-0.1</sub> | 7        | 5 | 4                               | 3      |

|                    |               |      |         |               |     |    |      |      |
|--------------------|---------------|------|---------|---------------|-----|----|------|------|
| GN 50.2-HF-13-M3   | 13 ±0.1       | M 3  | 6 ±0.1  | 4.5 +0.2/-0.1 | 7   | 5  | 10   | 4    |
| GN 50.2-HF-16-M3   | 16 ±0.1       | M 3  | 6 ±0.1  | 4.5 +0.2/-0.1 | 7   | 5  | 18   | 6    |
| GN 50.2-HF-20-M3   | 20 ±0.1       | M 3  | 6 ±0.1  | 6 +0.2/-0.1   | 7   | 5  | 30   | 11   |
| GN 50.2-HF-25-M4   | 25 ±0.1       | M 4  | 8 ±0.2  | 7 +0.3/-0.1   | 8   | 7  | 40   | 20   |
| GN 50.2-HF-32-M4   | 32 ±0.1       | M 4  | 8 ±0.2  | 7 +0.3/-0.1   | 8   | 7  | 80   | 31   |
| GN 50.2-HF-40-M5   | 40 +0.2/-0.1  | M 5  | 10 ±0.2 | 8 +0.4/-0.1   | 10  | 9  | 125  | 59   |
| GN 50.2-HF-50-M6   | 50 +0.2/-0.1  | M 6  | 12 ±0.2 | 10 +0.5/-0.1  | 12  | 11 | 220  | 111  |
| GN 50.2-HF-63-M8   | 63 +0.3/-0.1  | M 8  | 15 ±0.2 | 14 +0.5/-0.1  | 16  | 14 | 350  | 242  |
| GN 50.2-HF-80-M10  | 80 +0.5/-0.1  | M 10 | 20 ±0.2 | 18 +0.5/-0.1  | 16  | 15 | 600  | 500  |
| GN 50.2-HF-100-M12 | 100 +0.5/-0.1 | M 12 | 22 ±0.2 | 22 +0.5/-0.1  | 21  | 18 | 900  | 948  |
| GN 50.2-HF-125-M14 | 125 0.5/-0.1  | M 14 | 25 ±0.2 | 26 +0.5/-0.1  | 24  | 20 | 1300 | 1732 |
| GN 50.2-SC-6-M3    | 6 ±0.1        | M 3  | 6 ±0.1  | 4.5 ±0.1      | 7   | 6  | 5    | 2    |
| GN 50.2-SC-8-M3    | 8 ±0.1        | M 3  | 6 ±0.1  | 4.5 ±0.1      | 7   | 6  | 11   | 3    |
| GN 50.2-SC-10-M3   | 10 ±0.1       | M 3  | 6 ±0.1  | 4.5 ±0.1      | 7   | 6  | 20   | 4    |
| GN 50.2-SC-13-M3   | 13 ±0.1       | M3   | 6 ±0.1  | 4.5 ±0.1      | 7   | 6  | 40   | 6    |
| GN 50.2-SC-16-M4   | 16 ±0.1       | M 4  | 6 ±0.1  | 4.5 0.1       | 7   | 6  | 60   | 8    |
| GN 50.2-SC-20-M4   | 20 ±0.1       | M 4  | 8 ±0.2  | 6 ±0.1        | 7   | 7  | 90   | 16   |
| GN 50.2-SC-25-M4   | 25 ±0.1       | M 4  | 8 ±0.2  | 7 ±0.2        | 7   | 7  | 150  | 28   |
| GN 50.2-SC-32-M5   | 32 ±0.1       | M 5  | 10 ±0.2 | 7 ±0.2        | 8.5 | 8  | 220  | 47   |
| GN 50.2-ND-6-M3    | 6 ±0.1        | M 3  | 6 ±0.1  | 4.5 ±0.1      | 7   | 6  | 5    | 2    |
| GN 50.2-ND-8-M3    | 8 ±0.1        | M 3  | 6 ±0.1  | 4.5 ±0.1      | 7   | 6  | 13   | 3    |
| GN 50.2-ND-10-M3   | 10 ±0.1       | M 3  | 6 ±0.1  | 4.5 ±0.1      | 7   | 6  | 25   | 4    |
| GN 50.2-ND-13-M3   | 13 ±0.1       | M 3  | 6 ±0.1  | 4.5 ±0.1      | 7   | 6  | 60   | 5    |
| GN 50.2-ND-16-M4   | 16 ±0.1       | M 4  | 6 ±0.1  | 4.5 ±0.1      | 7   | 6  | 95   | 7    |
| GN 50.2-ND-20-M4   | 20 ±0.1       | M 4  | 8 ±0.2  | 6 ±0.1        | 7   | 7  | 140  | 16   |
| GN 50.2-ND-25-M4   | 25 ±0.1       | M 4  | 8 ±0.2  | 7 ±0.2        | 7   | 7  | 200  | 27   |
| GN 50.2-ND-32-M5   | 32 ±0.1       | M 5  | 10 ±0.2 | 7 ±0.2        | 8.5 | 8  | 350  | 45   |



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