# GN 7090

## Holding Disks

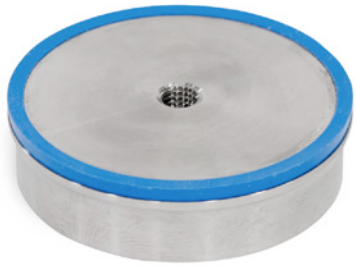
### Stainless Steel, with Internal Thread, Hygienic Design

**SPECIFICATION**

**Type**
- Type **A**: Flat locating surface

**Disk**
Stainless steel AISI 318LN
Matte finish (Ra < 0.8 µm) **MT**

**Sealing ring**
- HNBR **H**
  Operating temperature -25 °C to +150 °C
- EPDM **E**
  Operating temperature -40 °C to +120 °C
- FKM **F**
  Operating temperature -5 °C to +200 °C
- FDA compliant material
- Blue
- Hardness 85 ±5 Shore A

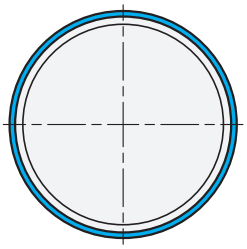


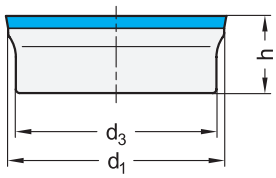
**PINFORMATION**

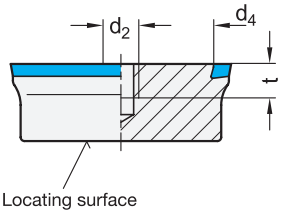
Holding disks GN 7090 are used as counterparts for retaining magnets when these are used in connection with non-magnetic materials or when the holding force needs to be increased due to thin material.
They are intended for use in hygiene areas. The sealed screw-on surface enables mounting without dead spaces; the impervious geometry in combination with the high quality finish prevents dirt from accumulating and facilitates cleaning.
The holding disks can also be used in particularly aggressive environments thanks to the material used.

**ACCESSORY**
- GN 7600 Sealing Rings (see page )
- GN 1580 Screws (see page )
- GN 1581 Screws (see page )

**TECHNICAL INFORMATION**
- Plastic Characteristics (see page A2)






*Complete with

**H** **E** **F**

**GN 7090** **STAINLESS STEEL**

| Description | d1 | d2 | d3 | d4 | h | t | ⚖ |
|---|---|---|---|---|---|---|---|
| GN 7090-28-M4-A-MT-* | 28 | M 4 | 26 | 24 | 10 | 5 | 41 |
| GN 7090-42-M5-A-MT-* | 42 | M 5 | 40 | 38 | 11 | 6 | 107 |

Weight Material H





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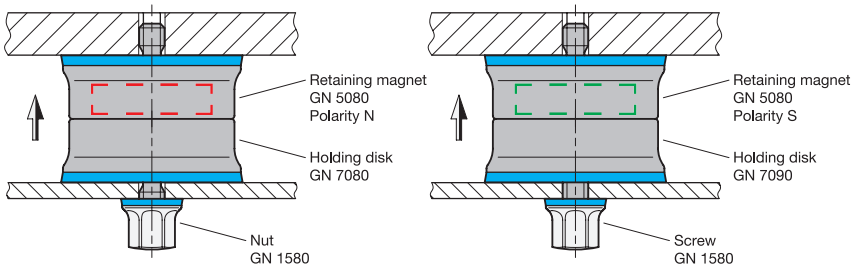
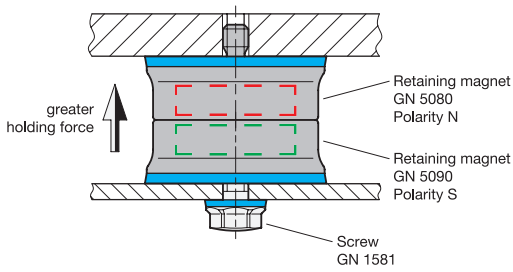
## Assembly Instructions GN 5080 / GN 5090 / GN 7080 / GN 7090

**Retaining magnet with holding disks**



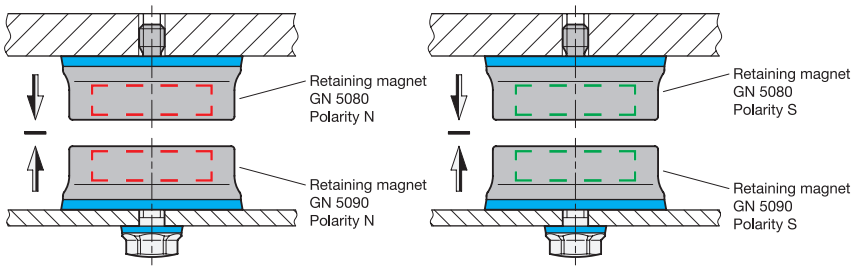

A normal holding force is achieved by combining retaining magnets with holding disks. Retaining magnets with north or south poles on the holding surface can be used equally.

**Two retaining magnets with opposite polarity**




If two retaining magnets with opposite polarity are combined, an increased holding force is achieved.

**Two retaining magnets with the same polarity**




Combining two retaining magnets with the same polarity creates a repelling force.



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