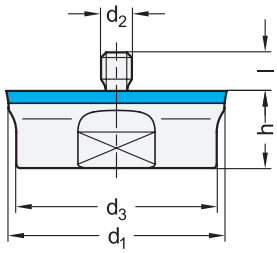
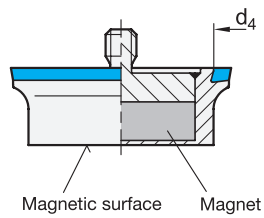
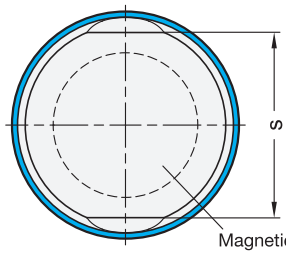
Retaining Magnets

Neodymium iron boron, Housing Stainless Steel, with Internal Thread, Hygienic Design





View of magnetic surface



STAINLESS ★★★★ | HD | FDA

3 Polarity

N North
S South

4 Type

A Flat magnetic surface

1 d_1	2 d_2	d_3	d_4	h	Length l	s	Nominal magnetic forces in N Combination with holding disk	Combination of magnet polarity N with polarity S
28	M 4	26	24	10	5	24	45	60
42	M 5	40	38	11	5	38	80	105

Specification

5 6

Magnet
NdFeB
Neodymium iron boron
Operating temperature up to 180° C

Housing
Stainless steel AISI 316L
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

RoHS

Accessory	Page
GN 7080 Holding Disks	QVX
GN 7090 Holding Disks	QVX
GN 7600 Sealing Rings	QVX
GN 1580 Nuts	QVX

Retaining magnets GN 5080 are designed for use in hygienic 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.
Since non-magnetic stainless steels are generally used in hygienic areas, a holding force is only achieved in combination with holding disks GN 7080 or GN 7090. If an increased holding force is required, a second magnet with opposite polarity can be used as a counterpart.
Thanks to the material used and the enclosed design, the retaining magnets can also be used in particularly aggressive environments.

see also...	Page
GN 50.8 Retaining Magnets	QVX
GN 50.3 Retaining Magnets	QVX
GN 51.3 Retaining Magnets	QVX

Technical Information	
Product Family Hygienic Design	QVX
More Information on Retaining Magnets	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX
Assembly Instructions	QVX

How to order

1 2 3 4 5 6
GN 5080-42-M5-S-A-MT-E

1	d_1
2	d_2
3	Polarity
4	Type
5	Finish
6	Material (sealing ring)