



- 3

Polarity
- N North
- S South
- 4

Type
- A Flat magnetic surface

<div>1</div> <div>d₁</div>	<div>2</div> <div>d₂</div>	d ₃	d ₄	h	t	Nominal magnetic forces in N Combination with holding disk	Combination of magnet polarity N with polarity S
28	M 4	26	24	10	4	45	60
42	M 5	40	38	11	5	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	
• H-NBR	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 7600 Sealing Rings	QVX
GN 7080 Holding Disks	QVX
GN 7090 Holding Disks	QVX
GN 1581 Screws	QVX
GN 1580 Screws (Hygienic Design)	QVX

Retaining magnets GN 5090 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.

To prevent the magnetic properties from being impaired, the mounting screw should also be made of non-magnetic stainless steel.

Thanks to the material used and the enclosed design, the retaining magnets can also be used in particularly aggressive environments.

see also...	Page
GN 50.4 Retaining Magnets	QVX
GN 51.5 Retaining Magnets	QVX

Technical Information	
Assembly Instructions	QVX
Product Family Hygienic Design	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

How to order	<div>1</div> <div>d₁</div>
	<div>2</div> <div>d₂</div>
	<div>3</div> <div>Polarity</div>
	<div>4</div> <div>Type</div>
	<div>5</div> <div>Finish</div>
	<div>6</div> <div>Material (sealing ring)</div>
GN 5090-28-M4-N-A-MT-H	