



Inch | Metric



**Specification**

**Screw**

- Stainless steel AISI 316L
- Matte finish (Ra < 0.8 µm)
- Polished finish (Ra < 0.8 µm)  
(Only available in metric version)

MT  
PL

**Sealing ring**

- H-NBR  
Operating temperature  
-13 °F to +302 °F (-25 °C to +150 °C)
- EPDM  
Operating temperature  
-40 °F to +248 °F (-40 °C to +120 °C)
- FKM  
Operating temperature  
+23 °F to +392 °F (-5 °C to +200 °C)
- Blue
- Hardness 85±5 Shore A
- FDA compliant

RoHS

The hex head screws GN 1581 with low-profile head are intended for use in hygiene areas. The metric versions with seal ring, H and E, are additionally certified according to the guidelines of the EHEDG. The sealed mounting surface enables components to be mounted without dead spaces. The high quality finish as well as the large corner radii and closed surfaces prevent adherence of dirt and facilitate cleaning.

**see also...**

	Page
GN 20 Leveling Feet (with Mounting Holes, Hygienic Design)	QVX
GN 1580 Nuts (Hygienic Design)	QVX

**Technical Information**

Product Family Hygienic Design	QVX
Principles for Hygienic Design	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

**Accessory**

GN 7600 Sealing Rings	QVX
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How to order (Inch)

1 Thread d <sub>1</sub>
2 Length l <sub>1</sub>
3 Finish
4 Sealing ring material

**GN 1581-1/2x13-1.25-MT-H**

How to order (Metric)

1 Thread d <sub>1</sub>
2 Length l <sub>1</sub>
3 Finish
4 Sealing ring material

**GN 1581-M10-50-PL-H**

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10

## Inch table

**1** **2** Dimensions in: inches / millimeters

d <sub>1</sub>	l <sub>1</sub>				d <sub>2</sub>	d <sub>3</sub>	k	l <sub>2</sub>	A/F
	Without shaft			With shaft					
10 x 24	0.50 12.7	0.75 19.05	-	1.00 25.4	0.43 10.9	0.46 11.7	0.28 7.1	0.75 19.1	0.3125 7.9375
1/4 x 20	0.50 12.7	0.75 19.05	1.00 25.4	-	0.55 14	0.58 14.7	0.30 7.6	-	0.4375 11.1125
5/16 x 18	0.75 19.05	1.00 25.4	-	1.25 31.75	0.63 16	0.66 16.8	0.33 8.4	1.00 25.4	0.5000 12.7
3/8 x 16	0.75 19.05	1.00 25.4	-	1.25 31.75	0.71 18	0.74 18.8	0.37 9.4	1.00 25.4	0.5625 14.2875
1/2 x 13	1.00 25.4	1.25 31.75	-	-	0.98 24.9	1.02 25.9	0.42 10.7	1.25 31.8	0.7500 19.05

## Metric table

**1** **2** Dimensions in: millimeters / inches

d <sub>1</sub>	l <sub>1</sub>				d <sub>2</sub>	d <sub>3</sub>	k	l <sub>2</sub>	A/F					
	Without shaft			With shaft										
M 4	8 0.31	10 0.39	12 0.47	-	16 0.63	20 0.79	25 0.98	30 1.18	-	10 0.39	10.8 0.43	6.5 0.26	14 0.55	7 0.2756
M 5	10 0.39	16 0.63	-	-	20 0.79	25 0.98	30 1.18	35 1.38	40 1.57	11 0.43	11.8 0.46	7 0.28	16 0.63	8 0.3150
M 6	12 0.47	16 0.63	20 0.79	25 0.98	30 1.18	35 1.38	40 1.57	50 1.97	-	13 0.51	13.8 0.54	7.5 0.30	18 0.71	10 0.3937
M 8	16 0.63	20 0.79	25 0.98	30 1.18	40 1.57	50 1.97	60 2.36	-	-	16 0.63	16.8 0.66	8.5 0.33	22 0.87	13 0.5118
M 10	20 0.79	25 0.98	30 1.18	-	40 1.57	50 1.97	60 2.36	-	-	19 0.75	19.8 0.78	9.5 0.37	26 1.02	16 0.6299
M 12	25 0.98	30 1.18	-	-	40 1.57	50 1.97	60 2.36	-	-	22 0.87	22.8 0.90	11 0.43	30 1.18	18 0.7087
M 16	30 1.18	40 1.57	-	-	50 1.97	60 2.36	70 2.76	-	-	28 1.10	28.8 1.13	13 0.51	38 1.50	22 0.8661
M 20	40 1.57	-	-	-	60 2.36	-	-	-	-	34 1.34	34.8 1.37	15 0.59	46 1.81	27 1.0630