



**Metric table**

Dimensions in: millimeters - inches

d <sub>1</sub> Thread	l <sub>1</sub> Without shaft				With shaft			d <sub>2</sub>	d <sub>3</sub>	k	l <sub>2</sub>	A/F
	1	2	3	4	5	6	7					
M 5	10 0.39	16 0.63	-	-	20 0.79	-	-	11 0.43	11.8 0.46	7 0.28	16 0.63	8
M 6	12 0.47	16 0.63	20 0.79	25 0.98	30 1.18	-	-	13 0.51	13.8 0.54	7.5 0.30	18 0.71	10
M 8	16 0.63	20 0.79	25 0.98	30 1.18	40 1.57	-	-	16 0.63	16.8 0.66	8.5 0.33	22 0.87	13
M 10	20 0.79	25 0.98	30 1.18	-	40 1.57	50 1.97	-	19 0.75	19.8 0.78	9.5 0.37	26 1.02	16
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
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

**Specification**

- Body  
Stainless steel AISI 316L  
- Matte finish (Ra < 0.8 µm) **MT**  
- Polished finish (Ra < 0.8 µm) **PL**
- Sealing ring  
- H-NBR **H**  
Temperature resistant from -13 °F to +302 °F (-25 °C to +150 °C)  
- EPDM **E**  
Temperature resistant from -40 °F to +248 °F (-40 °C to +120 °C)  
- Blue  
- Hardness 85±5 shore A  
- FDA compliant
- EHEDG Basic Principles → page XYZ
- Elastomer Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

**Accessory**

- Sealing rings GN 7600 → page 1683

**Information**

GN 1581 hex head screws with low-profile head are certified according to EHEDG guidelines and are ideal for use in hygienic areas. The sealed mounting surface enables fastening 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...

- Product Family **Hygienic Design** → page 16
- Leveling Feet GN 20 **Hygienic Design** (Stainless Steel, with Mounting Holes) → page 1506
- Nuts GN 1580 **Hygienic Design** (Stainless Steel) → page 1144

<p>How to order</p> <p><b>GN 1581-M10-50-PL-H</b></p>	1	Thread d <sub>1</sub>
	2	Length l <sub>1</sub>
	3	Finish
	4	Sealing ring material

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10