



**Metric table**

Dimensions in: millimeters - inches

d <sub>1</sub> Thread	1				2			d <sub>2</sub>	d <sub>3</sub>	k	l <sub>2</sub>	A/F
	Without shaft				With shaft							
M 4	8	10	12	-	16	-	-	11	11.8	9.5	14	7
	0.31	0.39	0.47		0.63			0.43	0.46	0.37	0.55	0.28
M 5	10	16	-	-	20	-	-	12	12.8	10	16	8
	0.39	0.63			0.79			0.47	0.50	0.39	0.63	0.31
M 6	12	16	20	25	30	-	-	14	14.8	12	18	10
	0.47	0.63	0.79	0.98	1.18			0.55	0.58	0.47	0.71	0.39
M 8	16	20	25	30	40	-	-	18	18.8	14.5	22	13
	0.63	0.79	0.98	1.18	1.57			0.71	0.74	0.57	0.87	0.51
M 10	20	25	30	-	40	50	-	21	21.8	18	26	16
	0.79	0.98	1.18		1.57	1.97		0.83	0.86	0.71	1.02	0.63
M 12	25	30	-	-	40	50	60	25	25.8	21	30	18
	0.98	1.18			1.57	1.97	2.36	0.98	1.02	0.83	1.18	0.71
M 16	30	40	-	-	50	60	70	32	32.8	26	38	24
	1.18	1.57			1.97	2.36	2.76	1.26	1.29	1.02	1.50	0.94
M 20	40	-	-	-	60	-	-	40	40.8	32	46	30
	1.57				2.36			1.57	1.61	1.26	1.81	1.18

**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 1508
- Elastomer Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

**Information**

GN 1580 hex head screws are certified according to EHEDG guidelines and are therefore 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.

**Accessory**

- Sealing rings GN 7600 → page 1683

How to order (H-NBR sealing ring)

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

**GN 1580-M10-50-PL-H**

How to order (EPDM sealing ring)

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

**GN 1580-M8-30-PL-E**