



Metric



Metric table

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

Dimensions in: millimeters / inches

Specification

Screw

- Stainless steel AISI 316L
- Matte finish (Ra < 0.8 µm) **MT**
- Polished finish (Ra < 0.8 µm) **PL**

Sealing ring

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

RoHS

Hex head screws GN 1580 are intended for use in hygiene areas. The 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.

Technical Information

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

Accessory

GN 7600 Sealing Rings	Page QVX
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How to order

1	Thread d ₁
2	Length l ₁
3	Finish
4	Sealing ring material

GN 1580-M10-50-PL-H

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10

