



5 Identification no.

- 1 Without additional lock washer

Metric table

Dimensions in: millimeters - inches

1 d_1	2 l_1	a_1	a_2	a_3	d_2	d_3	d_4	d_5	k	l_2	l_3	A/F
M 5	20 0.79	2.5-6 0.10-0.24	6-10.5 0.24-0.41	10.5-14 0.41-0.55	11 0.43	11.8 0.46	4 0.16	5.5 0.22	7 0.28	6 0.24	2.5 0.10	8 0.31
M 5	25 0.98	6-11 0.24-0.43	11-14 0.43-0.55	14-19 0.55-0.75	11 0.43	11.8 0.46	4 0.16	5.5 0.22	7 0.28	6 0.24	2.5 0.10	8 0.31
M 6	25 0.98	3-7 0.12-0.28	7-13 0.28-0.51	13-17 0.51-0.67	13 0.51	13.8 0.54	4.8 0.19	6.5 0.26	7.5 0.30	8 0.31	3 0.12	10 0.39
M 6	30 1.18	7-12 0.28-0.47	12-17 0.47-0.67	17-22 0.67-0.87	13 0.51	13.8 0.54	4.8 0.19	6.5 0.26	7.5 0.30	8 0.31	3 0.12	10 0.39
M 8	30 1.18	4-8 0.16-0.31	8-16 0.31-0.63	16-20 0.63-0.79	16 0.63	16.8 0.66	6.5 0.26	8.5 0.33	8.5 0.33	10 0.39	4 0.16	13 0.51
M 8	40 1.57	8-18 0.31-0.71	18-25 0.71-0.98	25-30 0.98-1.18	16 0.63	16.8 0.66	6.5 0.26	8.5 0.33	8.5 0.33	10 0.39	4 0.16	13 0.51
M 10	40 1.57	5-14 0.20-0.55	14-19 0.55-0.75	19-28 0.75-1.10	19 0.75	19.8 0.78	8.2 0.32	10.5 0.41	9.5 0.37	12 0.47	5 0.20	16 0.63
M 10	50 1.97	14-24 0.55-0.95	24-28 0.95-1.10	28-38 1.10-1.50	19 0.75	19.8 0.78	8.2 0.32	10.5 0.41	9.5 0.37	12 0.47	5 0.20	16 0.63

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 -13 °F to +302 °F (-25 °C to +150 °C)
- EPDM **E**
Temperature resistant -40 °F to +248 °F (-40 °C to +120 °C)
- Blue
- Hardness 85 ±5 Shore A
- FDA compliant
- EHEDG Principles → page XYZ
- Plastic Characteristics → page QVX
- Stainless Steel Characteristics → page QVX
- RoHS compliant

Accessory

- Sealing rings GN 7600 → page QVX

Information

GN 1582 hex head screws with the low-profile head are certified according to EHEDG guidelines and are ideal for use in hygienic areas. The d_4 dimension has been created to allow the screw to be used as a captive screw with or without a lock washer to secure it against loss.

It is necessary to provide tapped bores with the thread d_1 on each of the two components to be assembled. Additionally, a clearance bore of d_5 on one or both sides must be drilled. Depending on the design and required clamping length $a_1 \dots a_3$ of the component being attached, there are a number of assembly options as shown above. Alternatively, securing can also be achieved by an additional lock washer mounted on the thin shank d_4 .

On request

- with FKM sealing ring (Fluorine rubber) **F**

How to order	
1	Thread d_1
2	Length l_1
3	Finish
4	Sealing ring material
5	Identification no.

GN 1582-M5-20-PL-H-1

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10