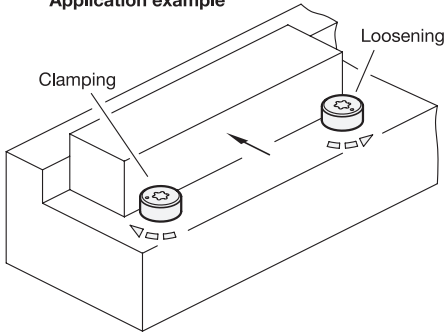


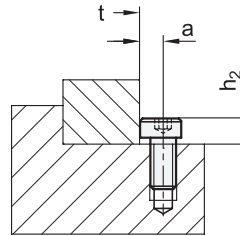
Metric



Application example



Construction information



Metric table

Dimensions in: millimeters / inches

d₁	Length l	a	d₂ ^{+0.1 -0.12}	e +0.1	h₁	h₂ max.	A/F	t Workpiece tolerance
M 3	6 0.24	3.1 ^{+0.3 0} 0.122 ^{+0.012 0}	6.8 0.268	0.4 0.016	2.5 0.10	3.3 0.13	T10	-0.7 / +0.1
M 4	8 0.31	3.2 ^{+0.3 0} 0.124 ^{+0.012 0}	7 0.276	0.4 0.016	3 0.12	4.1 0.16	T15	-0.75 / +0.05
M 5	10 0.39	3.9 ^{+0.3 0} 0.154 ^{+0.012 0}	8.5 0.335	0.4 0.016	4 0.16	5.3 0.21	T20	-0.75 / +0.05
M 6	12 0.47	4.7 ^{+0.3 0} 0.183 ^{+0.012 0}	10 0.394	0.5 0.020	4 0.16	5.5 0.22	T25	-0.85 / +0.15
M 8	16 0.63	6.1 ^{+0.5 0} 0.238 ^{+0.02 0}	13 0.512	0.8 0.031	5 0.20	7 0.28	T30	-1.25 / +0.35
M 10	20 0.79	7.5 ^{+0.5 0} 0.295 ^{+0.02 0}	16 0.630	1 0.039	7 0.28	9.5 0.37	T40	-1.5 / +0.5
M 12	24 0.94	8.5 ^{+0.5 0} 0.335 ^{+0.02 0}	18 0.709	1 0.039	8 0.31	10.9 0.43	T45	-1.5 / +0.5

Specification

Steel

- Property class 10.9
- Blackened finish
- Chemically nickel plated, silver

**BT
SN**

RoHS

Technical Information

Strength Values of Screws

QVX

Eccentric clamping screws GN 418.3 clamp workpieces by means of eccentric screw heads which, depending on size, are offset by the dimension e in relation to the central axis of the screw shank.

The threaded holes for mounting the eccentric clamping screws in the fixture must be drilled according to the drawing at a distance a to the workpiece. The screw head is in the clamping position when the eccentric clamping screw is turned back so far, after being fully screwed in, that the marking point is opposite the clamping surface of the workpiece.

For clamping, the eccentric clamping screws are tightened to the specified torque, whereby the eccentric presses against the workpiece. The max. permissible workpiece tolerance t ensures that the clamping distance is in a favorable range for the eccentric.

see also...

GN 418.2 Cam Point Screws

Page

QVX

How to order

GN 418.3-M10-20-SN

- | | |
|---|-----------------------|
| 1 | Thread d ₁ |
| 2 | Length l |
| 3 | Finish |

1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4

