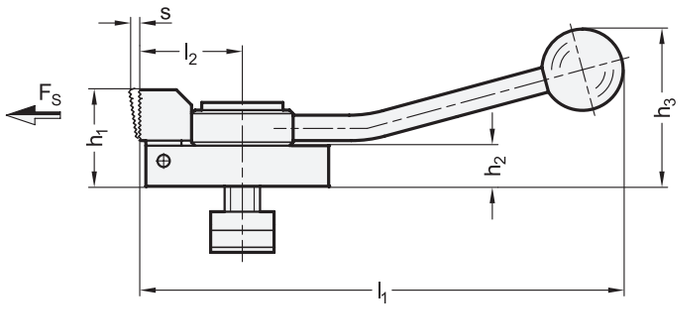
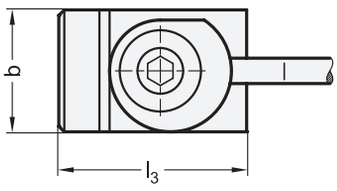
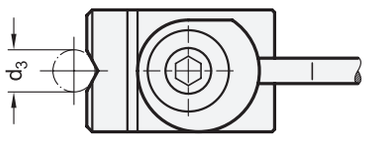


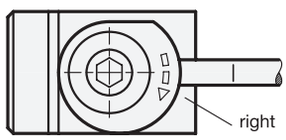
Type **E**



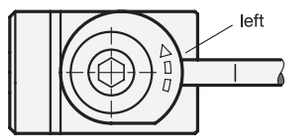
Type **P**



Coding **R**



Coding **L**



Metric

3 Type

E With serrated clamping jaw
P With detent clamping jaw

4 Coding

R Clamping by clockwise rotation
L Clamping by counter-clockwise rotation

Specification

- Clamping mechanisms
  Steel
  - Case-hardened
  - Blackened finish
- Ball knob DIN 319
  Plastic
  Duroplast (Phenolic PF)
  Black, shiny finish
- For slot width a in mm = 10 / 14
  - T-slot nuts DIN 508
  - Socket cap screws DIN 912
    Steel, blackened finish
- For slot width a in mm = 12
  - T-slot bolt DIN 787
  - Hex nut DIN 934
    Steel, blackened finish
- RoHS compliant

Accessory

- Slotted support blocks GN 9190.3 → *page QVX*

Information

With side clamps GN 9190, workpieces are clamped with a pivoted clamping jaw. The clamping force acts laterally and from above to pull down on the workpiece and clamp it against fixed stops and the supporting surface.

The clamping stroke of the clamping jaw results from the swivel movement of the eccentrical cam lever. When the lever is released, the clamping jaw is returned by spring force. The low overall height of the side clamps allow full-surface machining of the workpiece.

Side clamps can be screwed in directly, e.g. in a mounting plate, or fastened to machine tables with T-slots. In addition, they can be mounted in any position perpendicular to the T-slot using the slotted support blocks GN 9190.3, which are available as an accessory.

see also...
- *Side Clamps GN 9190.1 (with Clamping Thread)* → *page QVX*
- *Side Clamps GN 9190.2 (with Support Plate)* → *page QVX*

How to order

GN 9190-10-M8-E-R
1 2 3 4

1	Slot width a
2	Thread d_1
3	Type
4	Coding

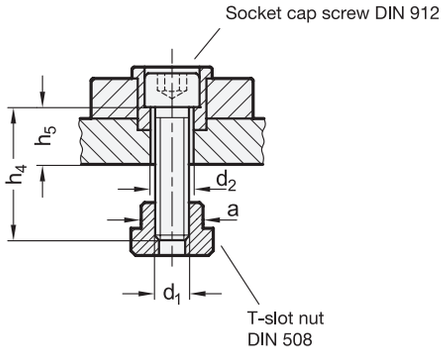
Metric table

Dimensions in: millimeters - *inches*

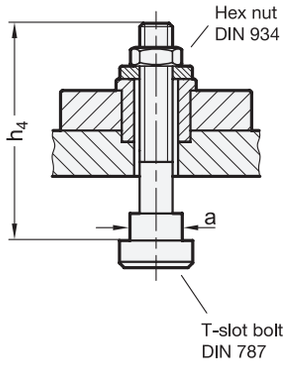
a Slot width	d_1 Thread	F_S Max. clamping force	b	d_2	d_3 min.	 max.	h_1	h_2
10 *0.39*	M 8	3.5 kN *787 lbf*	32 *1.26*	8.4 *0.33*	4 *0.16*	26 *1.02*	20 *0.79*	8 *0.31*
12 *0.47*	M 12	7 kN *1574 lbf*	48 *1.89*	12.5 *0.49*	4 *0.16*	26 *1.02*	38 *1.50*	16 *0.63*
14 *0.55*	M 12	7 kN *1574 lbf*	48 *1.89*	12.5 *0.49*	4 *0.16*	26 *1.02*	38 *1.50*	16 *0.63*

a Slot width	h_3	h_4	h_5	l_1	l_2	l_3	s Clamping stroke
10 *0.39*	40 *1.57*	30 *1.18*	12.6 *0.50*	132 *5.20*	32 *1.26*	50 *1.97*	3 *0.12*
12 *0.47*	62 *2.44*	63 *2.48*	-	190 *7.48*	40 *1.57*	72 *2.83*	4 *0.16*
14 *0.55*	62 *2.44*	40 *1.57*	19.1 *0.75*	190 *7.48*	40 *1.57*	72 *2.83*	4 *0.16*

Slot width a = 10 / 14



Slot width a = 12



Application examples