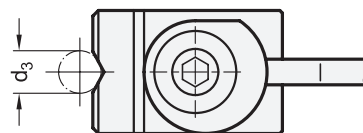
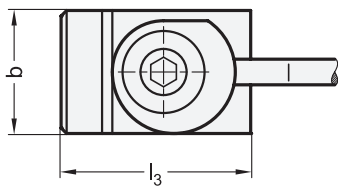


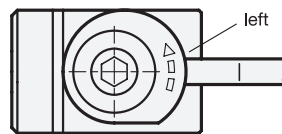
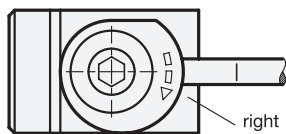
Type E

Type P



Coding R

Coding L



**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  
Property class 12.9
- 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 eccentric 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. In this case, the supplied screw must be replaced as per the table.

To ensure easy play and maximum clamping force, the tensioning mechanisms should be lightly greased.

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	
1	Slot width a
2	Thread d <sub>1</sub>
3	Type
4	Coding

**GN9190-10-M8-E-R**

1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4

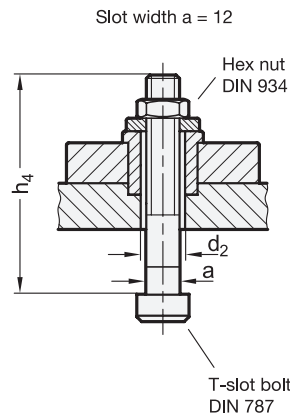
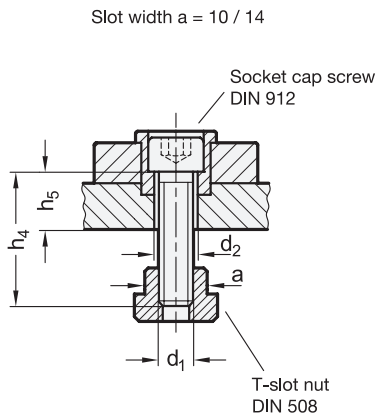
### Metric table

Dimensions in: millimeters - inches

a Slot width	d <sub>1</sub>	F <sub>s</sub> Max. clamping force	b	d <sub>2</sub>	d <sub>3</sub>		h <sub>1</sub>	h <sub>2</sub>
					min.	max.		
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 <sub>3</sub>	h <sub>4</sub>	h <sub>5</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	s Clamping stroke	Recommended screw in combination with GN 9190.3
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	DIN 912-M8x25
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	DIN 912-M12x35

\* Combination with GN 9190.3 not possible



#### Application examples

