

- 3 Type**
- E** With serrated clamping jaw
  - P** With detent clamping jaw
- 4 Coding**
- G** Clamping stroke with ball point screw
  - K** Clamping stroke with adjustable lever

**Specification**

- Clamping mechanisms  
Steel
  - Case-hardened
  - Blackened finish
- T-slot nut
  - Steel, blackened finish
  - Property class 10
- Socket cap screw DIN 912
  - Steel, blackened finish
  - Property class 12.9
- Ball point screw (Coding G)
  - Steel, blackened finish
  - Ball hardened
- Adjustable lever (Coding K)
  - Zinc die-cast
  - Powder coated
  - Black RAL 9005, textured finish
  - Threaded stud
  - Steel, blackened finish
  - Ball hardened
- *Strength Values of Nuts* → page QVX
- *Strength Values of Screws* → page QVX
- **RoHS compliant**

**Accessory**

- Slotted support blocks GN 9190.3 → page QVX

**Information**

With side clamps GN 9190.2, 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 thread integrated in the support accommodates any positioning or support elements as required.

The clamping stroke of the clamping jaw results from the screw-in depth of the clamping thread  $d_4$ . When the clamping screw is released, the clamping jaw is returned by spring force. The low overall height of the side clamps allows 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 accessory.

see also...

- *Side Clamps GN 9190 (with Eccentric Cam Lever)* → page QVX
- *Side Clamps GN 9190.1 (with Clamping Thread)* → page QVX

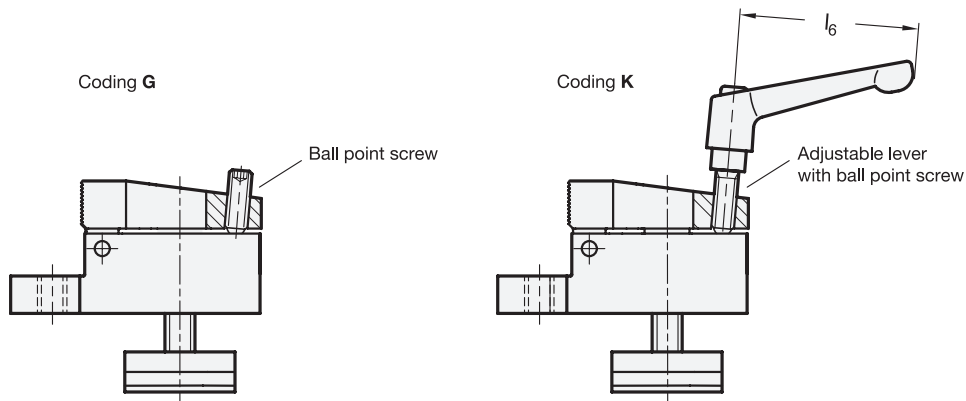
<b>How to order</b>	<b>1</b> Slot width
<b>GN9190.2-14-M12-P-K</b>	<b>2</b> Thread $d_1$
1 2 3 4	<b>3</b> Type
	<b>4</b> Coding

**Metric table**

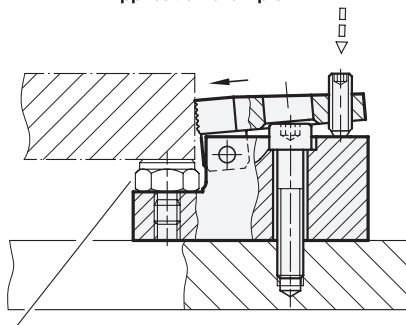
Dimensions in: millimeters - inches

<b>1</b> a Slot width	<b>2</b> d <sub>1</sub> Thread	F <sub>S</sub> Max. clamping force	b <sub>1</sub>	b <sub>2</sub>	d <sub>2</sub>	d <sub>3</sub> Thread	d <sub>4</sub> Thread	d <sub>5</sub> min.	max.	h <sub>1</sub>	h <sub>2</sub>
10 0.39	M 8	7 kN 1574 lbf	32 1.26	12.1 0.48	8.4 0.33	M 8	M 8	4 0.16	26 1.02	44 1.73	40 1.57
14 0.55	M 12	15 kN 3372 lbf	48 1.89	16 0.63	13 0.51	M 12	M 12	4 0.16	26 1.02	53 2.09	45 1.77
18 0.71	M 16	21.5 kN 4833 lbf	68 2.68	18.8 0.74	17 0.67	M 16	M 16	4 0.16	26 1.02	72 2.83	60 2.36

a Slot width	h <sub>3</sub>	h <sub>4</sub> ±0.01	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	s Clamping stroke	Max. tightening torque M <sub>A</sub> in Nm
10 0.39	28 1.10	15 0.5906	52 2.05	28 1.10	30 1.18	72.5 2.85	38 1.50	63 2.48	3 0.12	3
14 0.55	27 1.06	15 0.5906	72 2.83	40 1.57	44 1.73	100 3.94	55 2.17	78 3.07	4 0.16	9
18 0.71	38 1.50	20 0.7874	86 3.39	41 1.61	56 2.20	126 4.96	63 2.48	108 4.25	7 0.28	20



Application example



Positioning element GN 408.1

1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4

