



SS Stainless Steel

**2 Type**

- KV** With ball lever, angular (serrations)
- GV** With ball lever, straight (serrations)
- SK** With hex

**3 Clamping direction**

- R** By clockwise rotation (drawn version)
- L** By counter-clockwise rotation

**Metric table**



Dimensions in: millimeters - inches

d <sub>1</sub> -0.5	d <sub>2</sub>	d <sub>3</sub>	d <sub>5</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub> ≈	h <sub>5</sub>	l <sub>1</sub>	l <sub>2</sub> ≈	A/F
40 1.57	M 8	25 0.98	24 0.94	10 0.39	31 1.22	21.5 0.85	55 2.17	31 1.22	8 0.31	100 3.94	15 0.59
50 1.97	M 10	30 1.18	28 1.10	12 0.47	35 1.38	24.5 0.96	62 2.44	36 1.42	11 0.43	116 4.57	19 0.75

**Specification**

- **GN 918.1**  
Steel
  - Clamping bolt and thrust washer  
Case-hardened
  - Hex threaded bolt  
Nitrided to surface, property class 8.8
  - Lever body  
Blackened finish
- **GN 918.6**  
Stainless steel
  - Clamping bolt  
AISI 303  
Chemically nickel plated
  - Hex threaded bolt and thrust washer  
AISI 630  
Tempered
  - Lever body  
AISI 303  
Matte shot-blasted finish
- Ball knob DIN 319  
Plastic, Phenolic (PF)  
Black, shiny finish
- *Strength Values of Screws* → page XYZ
- *Plastic Characteristics* → page QVX
- *Stainless Steel Characteristics* → page XYZ
- RoHS compliant

**Information**

Clamping cam units GN 918.1 / GN 918.6 have a circumferential wedge surface. They allow for rapid and secure clamping and releasing with a relatively large clamping range and with high clamping force. Owing to the small pitch angle (wedge angle), the clamping bolt is self-locking.

The ball levers of types KV and GV form a positive connection with the eccentric cam by means of a serration. During assembly, the lever can thus be fixed in a position favorable for clamping or, in the relaxed position, rotated out of the clamping range.

Use of the thrust washer eliminates the need for special requirements on the design of the threaded hole, which allows, for example, mounting on tables with T-slots.

see also...

- *Technical Instructions* → page 735
- *Clamping Cam Units GN 918.1 / GN 918.6 (Screw from the Operator's Side)* → page XYZ
- *Clamping Cam Units GN 918.1 / GN 918.6 (Screw from the Back)* → page XYZ

<b>How to order (Steel)</b>	<b>1</b> Diameter d <sub>1</sub>
<b>GN918.1-50-KV-R</b>	<b>2</b> Type
	<b>3</b> Clamping direction

<b>How to order (Stainless steel)</b>	<b>1</b> Diameter d <sub>1</sub>
<b>GN918.6-50-SK-L</b>	<b>2</b> Type
	<b>3</b> Clamping direction