



SS Stainless Steel

2 Type

- KVS** With ball lever, angular (serrations)
- GVS** With ball lever, straight (serrations)
- SKS** With hex

3 Clamping direction

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

Metric table

1 4

Dimensions in: millimeters - inches

d ₁ -0.5	l ₁									d ₂	d ₃	d ₅	h ₁	h ₂	h ₃	h ₄ ≈	h ₅	l ₂ ≈	A/F
40	10*	15	20	25	30	35**	40	45*	M 6	25	24	10	36	26	55	31	100	15	
1.57	0.39	0.59	0.79	0.98	1.18	1.38	1.57	1.77		0.98	0.94	0.39	1.41	1.02	2.17	1.22	3.94	0.59	
40	50	55**	60	65*	70	75**	80	90	M 6	25	24	10	36	26	55	31	100	15	
1.57	1.97	2.17	3.36	2.56	2.76	2.95	3.15	3.54		0.98	0.94	0.39	1.41	1.02	2.17	1.22	3.94	0.59	
50	12	22	32	42	52	62	72	82	M 8	30	28	12	41	31	62	36	116	19	
1.97	0.47	0.87	1.26	1.65	2.05	2.56	2.83	3.23		1.18	1.10	0.47	1.61	1.22	2.44	1.42	4.57	0.75	
50	92	102	112	-	-	-	-	-	M 8	30	28	12	41	31	62	36	116	19	
1.97	3.62	4.02	4.41							1.18	1.10	0.47	1.61	1.22	2.44	1.42	4.57	0.75	

* only type KVS and GVS ** only type SKS

Specification

GN 918.1

- Steel
- Clamping bolt, guide bushing and thrust washer
- Case-hardened
- Socket cap screw DIN 912-12.9
- Lever body
- Blackened finish

GN 918.6

- Stainless steel
- Clamping bolt
- AISI 303
- Chemically nickel plated
- Guide bushing and thrust washer
- AISI 630
- Tempered
- Socket cap screw DIN 912-A2-70
- 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.

Fastening via screw from the operator's side bridges a greater clamping range. A sufficiently large screw-in depth t is necessary to safely absorb the screw forces.

The ball levers of types KVS / GVS 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.

see also...

- *Technical Instructions* → page 735
- *Clamping Cam Units GN 918.1 / GN 918.6 (Screw from the Back)* → page XYZ
- *Clamping Cam Units GN 918.1 / GN 918.6 (with Threaded Bolt)* → page XYZ

How to order (Steel)		1 Diameter d ₁
<p style="text-align: center;">1 2 3 4</p> <p>GN 918.1-50-GVS-R-52</p>		2 Type
		3 Clamping direction
		4 Length l ₁
		How to order (Stainless steel)
<p style="text-align: center;">1 2 3 4</p> <p>GN 918.6-40-SKS-L-15</p>		1 Diameter d ₁
		2 Type
		3 Clamping direction
		4 Length l ₁