



SS Stainless Steel

2 Type

- KVB** With ball lever, angular (serrations)
- GVB** With ball lever, straight (serrations)
- SKB** 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 max.							d ₂	d ₃	d ₄	d ₅	h ₁	h ₂	h ₃	h ₄ ≈	h ₅	l ₂ ≈	l ₃	A/F	w max.
40	12	22	27	32	37	42	M 6	25	12	24	10	30.5	21	55	31	100	8.5	15	5	
1.57	0.47	0.87	1.06	1.26	1.46	1.65		0.98	0.47	0.94	0.39	1.20	0.83	2.17	1.22	3.94	0.33	0.59	0.2	
40	47	57	62	67	77	82	M 6	25	12	24	10	30.5	21	55	31	100	8.5	15	5	
1.57	1.85	2.24	2.56	2.67	3.03	3.23		0.98	0.47	0.94	0.39	1.20	0.83	2.17	1.22	3.94	0.33	0.59	0.2	
50	10	20	30	40	50	60	M 8	30	16	28	12	34.5	24	62	36	116	10.5	19	5	
1.97	0.39	0.78	1.18	1.57	1.97	2.36		1.18	0.63	1.10	0.47	1.36	0.94	2.44	1.42	4.57	0.41	0.75	0.2	
50	70	80	90	100	-	-	M 8	30	16	28	12	34.5	24	62	36	116	10.5	19	5	
1.97	2.76	3.15	3.54	3.94	-	-		1.18	0.63	1.10	0.47	1.36	0.94	2.44	1.42	4.57	0.41	0.75	0.2	

Specification

- **GN 918.1**
Steel
 - Clamping bolt, threaded bushing and thrust washer
Case-hardened
 - Socket cap screw DIN 912-12.9
 - Washer tempered
 - Lever body
Blackened finish
- **GN 918.6**
Stainless steel
 - Clamping bolt
AISI 303
Chemically nickel plated
 - Threaded bushing, thrust washer and 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 with a bushing allows use even if there is no thread in the surrounding structure. The heavy duty washer directs the resulting screw forces into the surrounding structure.

The ball levers of types KVB / GVB 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 \(Screw from the Operator's Side\)](#) → page XYZ
- [Clamping Cam Units GN 918.1 / GN 918.6 \(with Threaded Bolt\)](#) → page XYZ

How to order (Steel)	1 Diameter d ₁
	2 Type
	3 Clamping direction
	4 Length l ₁
GN 918.1-40-SKB-L-37	

How to order (Stainless steel)	1 Diameter d ₁
	2 Type
	3 Clamping direction
	4 Length l ₁
GN 918.6-50-KVB-R-90	