

Eccentric Cams

**Steel, Radial Clamping, with Threaded Bolt,
Screw from the Operator's side, Screw from the Back**

SPECIFICATION

Types

- Type **KV / KVS / KVB**: With ball lever, angular (serration)
- Type **GV / GVS / GVB**: With ball lever, straight (serration)
- Type **SK / SKS / SKB**: With hex

Clamping direction

- Type **R**: By clockwise rotation (drawn version)
- Type **L**: By anti-clockwise rotation

Steel

Version with Threaded Bolt

- Eccentric cam and thrust washer
Case-hardened
- Threaded bolt nitrided
Property class 8.8
- Lever
Blackened

Version with Screw from the Operator's Side

- Eccentric cam, guide bushing and thrust washer
Case-hardened
- Socket cap screw DIN 912-12.9
- Lever
Blackened

Version with Screw from the Back

- Eccentric cam, threaded bushing and thrust washer
Case-hardened
- Socket cap screw DIN 912-12.9
- Washer tempered
- Lever blackened

Ball knob DIN 319 (see page 538)
Plastic, Duroplast
Black, shiny finish

INFORMATION

Eccentric cams GN 918 allow the rapid and secure clamping and releasing at a relatively large clamping range and with high clamping force. The cam offers the advantage that the clamping force remains constant in every angular and is self-locking at the same time. The ball levers of types KV / KVS / KVB and GV / GVS / GVB feature a positive connection with the eccentric cam by means of a serration. During assembly, the position of the lever can thus be fixed in a position that is favorable for clamping.

Version with Threaded Bolt

The use of the thrust washer eliminates the need for special requirements on the execution of the threaded hole, so that it can also be mounted on tables with T-slots, for example.

Version with Screw from the Operator's Side

Fastening via screw from the operator's side bridges a larger clamping range. A sufficiently large screw-in depth t is necessary to safely absorb the screw forces. The centering step of the thrust washer provides protection from impermissible lateral forces on the socket cap screw.

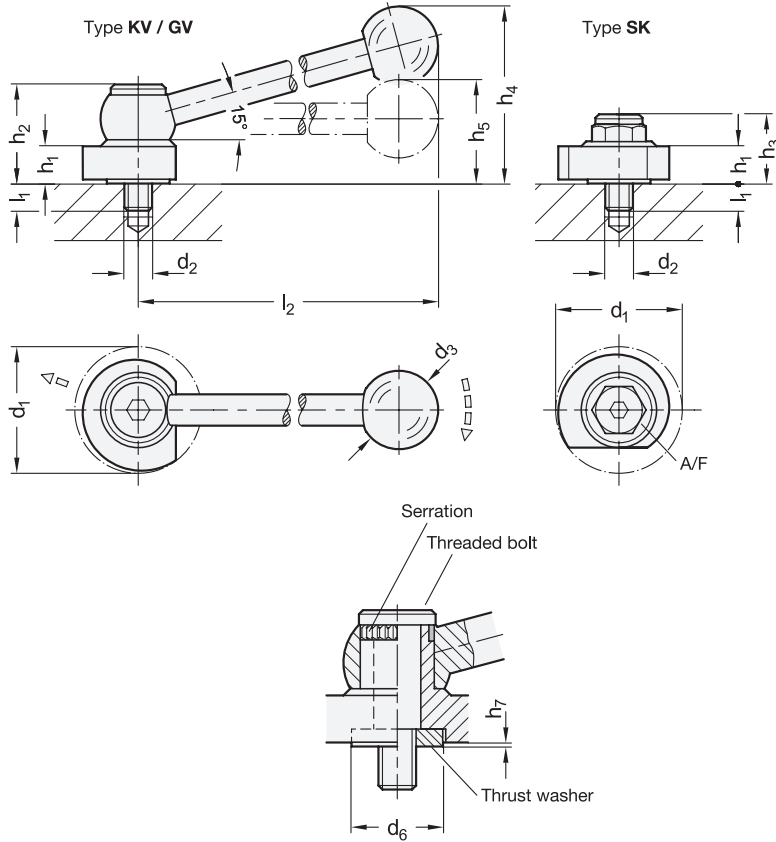
Version with Screw from the Back

Fastening the screw from the back allows the use, if there is no thread in the surrounding structure. The heavy duty washer absorbs and transfers the resulting screw forces. The centering step of the thrust washer provides protection from impermissible lateral forces on the socket cap screw.



TECHNICAL INFORMATION

- Technical instructions (see page)
- Strength Values of Screws (see page A20)
- Plastic Characteristics (see page A2)



* Complete with

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

GN 918-KV

Description	d1 -0.5	d2	d3	d6	h1	h2	h4 ≈	h5	h7 ≈	l1	l2 ≈	△
GN 918-40-KV-*	40	M 8	25	20	10	31	55	31	0.2	8	100	177
GN 918-50-KV-*	50	M 10	30	24	12	35	62	36	0.2	11	116	297

GN 918-GV

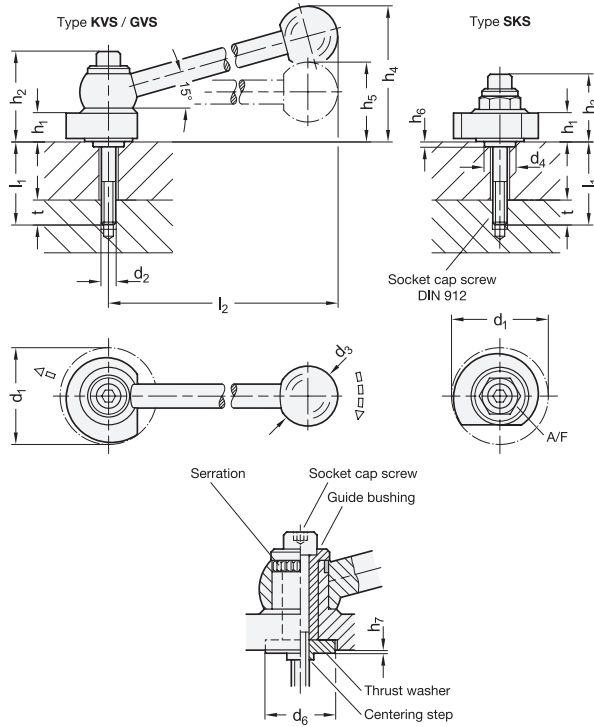
Description	d1 -0.5	d2	d3	d6	h1	h2	h4 ≈	h5	h7 ≈	l1	l2 ≈	△
GN 918-40-GV-*	40	M 8	25	20	10	31	55	31	0.2	8	100	176
GN 918-50-GV-*	50	M 10	30	24	12	35	62	36	0.2	11	116	297

GN 918-SK

Description	d1 -0.5	d2	d6	h1	h3	h7 ≈	l1	A/F	△
GN 918-40-SK-*	40	M 8	20	10	21.5	0.2	8	15	88
GN 918-50-SK-*	50	M 10	24	12	24.5	0.2	11	19	160

Weight type R





* Complete with

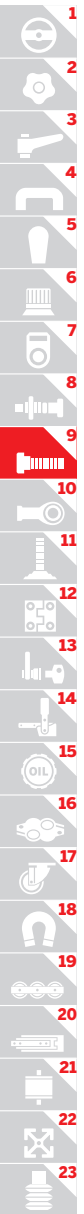
R
By clockwise rotation (drawn version)

L
By anti-clockwise rotation

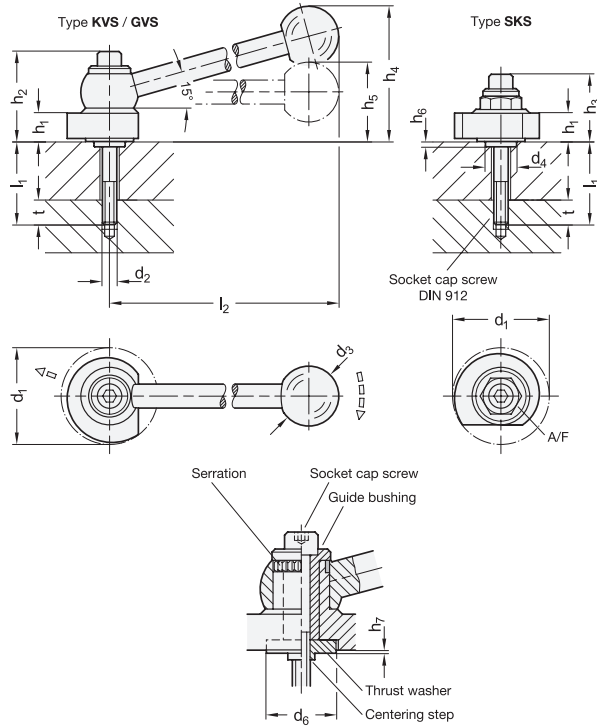
GN 918-KVS

Description	d1 -0.5	l1	d2	d3	d4 h9	d6	h1	h2	h4 ≈	h5	h6 -0.1	h7 ≈	l2 ≈	⚖
GN 918-40-KVS-*-10	40	10	M6	25	9	20	10	36	55	31	2.5	0.2	100	179
GN 918-40-KVS-*-15	40	15	M6	25	9	20	10	36	55	31	2.5	0.2	100	180
GN 918-40-KVS-*-20	40	20	M6	25	9	20	10	36	55	31	2.5	0.2	100	181
GN 918-40-KVS-*-25	40	25	M6	25	9	20	10	36	55	31	2.5	0.2	100	182
GN 918-40-KVS-*-30	40	30	M6	25	9	20	10	36	55	31	2.5	0.2	100	183
GN 918-40-KVS-*-40	40	40	M6	25	9	20	10	36	55	31	2.5	0.2	100	185
GN 918-40-KVS-*-45	40	45	M6	25	9	20	10	36	55	31	2.5	0.2	100	185
GN 918-40-KVS-*-50	40	50	M6	25	9	20	10	36	55	31	2.5	0.2	100	186
GN 918-40-KVS-*-60	40	60	M6	25	9	20	10	36	55	31	2.5	0.2	100	188
GN 918-40-KVS-*-65	40	65	M6	25	9	20	10	36	55	31	2.5	0.2	100	190
GN 918-40-KVS-*-70	40	70	M6	25	9	20	10	36	55	31	2.5	0.2	100	192
GN 918-40-KVS-*-80	40	80	M6	25	9	20	10	36	55	31	2.5	0.2	100	193
GN 918-40-KVS-*-90	40	90	M6	25	9	20	10	36	55	31	2.5	0.2	100	196
GN 918-50-KVS-*-12	50	12	M8	30	11	24	12	41	62	36	2.5	0.2	116	297
GN 918-50-KVS-*-22	50	22	M8	30	11	24	12	41	62	36	2.5	0.2	116	301
GN 918-50-KVS-*-32	50	32	M8	30	11	24	12	41	62	36	2.5	0.2	116	305
GN 918-50-KVS-*-42	50	42	M8	30	11	24	12	41	62	36	2.5	0.2	116	308
GN 918-50-KVS-*-52	50	52	M8	30	11	24	12	41	62	36	2.5	0.2	116	313
GN 918-50-KVS-*-62	50	62	M8	30	11	24	12	41	62	36	2.5	0.2	116	316
GN 918-50-KVS-*-72	50	72	M8	30	11	24	12	41	62	36	2.5	0.2	116	320
GN 918-50-KVS-*-82	50	82	M8	30	11	24	12	41	62	36	2.5	0.2	116	324
GN 918-50-KVS-*-92	50	92	M8	30	11	24	12	41	62	36	2.5	0.2	116	326
GN 918-50-KVS-*-102	50	102	M8	30	11	24	12	41	62	36	2.5	0.2	116	324
GN 918-50-KVS-*-112	50	112	M8	30	11	24	12	41	62	36	2.5	0.2	116	333

Weight type R



Machine elements 9



* Complete with
R By clockwise rotation (drawn version) **L** By anti-clockwise rotation

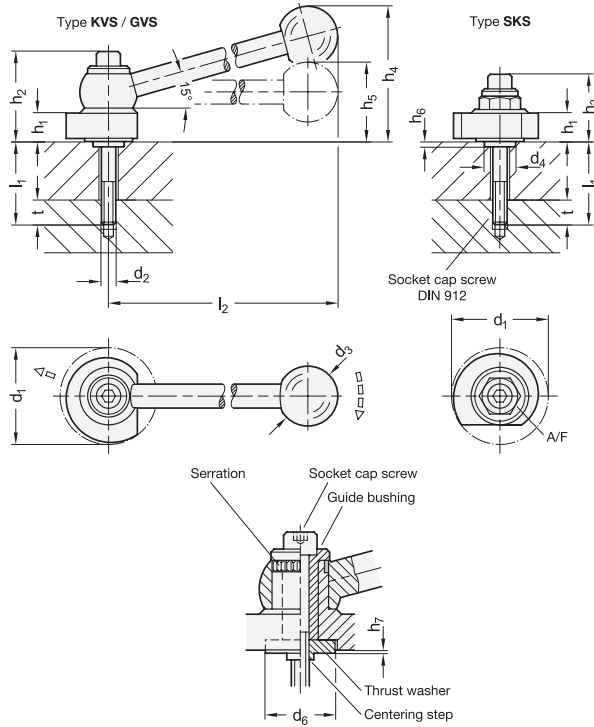
GN 918-GVS

Description	d1 -0.5	l1	d2	d3	d4 h9	d6	h1	h2	h4 ≈	h5	h6 -0.1	h7 ≈	l2 ≈	⚖
GN 918-40-GVS-*-10	40	10	M 6	25	9	20	10	36	55	31	2.5	0.2	100	178
GN 918-40-GVS-*-15	40	15	M 6	25	9	20	10	36	55	31	2.5	0.2	100	178
GN 918-40-GVS-*-20	40	20	M 6	25	9	20	10	36	55	31	2.5	0.2	100	180
GN 918-40-GVS-*-25	40	25	M 6	25	9	20	10	36	55	31	2.5	0.2	100	180
GN 918-40-GVS-*-30	40	30	M 6	25	9	20	10	36	55	31	2.5	0.2	100	182
GN 918-40-GVS-*-40	40	40	M 6	25	9	20	10	36	55	31	2.5	0.2	100	183
GN 918-40-GVS-*-45	40	45	M 6	25	9	20	10	36	55	31	2.5	0.2	100	184
GN 918-40-GVS-*-50	40	50	M 6	25	9	20	10	36	55	31	2.5	0.2	100	184
GN 918-40-GVS-*-60	40	60	M 6	25	9	20	10	36	55	31	2.5	0.2	100	186
GN 918-40-GVS-*-65	40	65	M 6	25	9	20	10	36	55	31	2.5	0.2	100	188
GN 918-40-GVS-*-70	40	70	M 6	25	9	20	10	36	55	31	2.5	0.2	100	190
GN 918-40-GVS-*-80	40	80	M 6	25	9	20	10	36	55	31	2.5	0.2	100	192
GN 918-40-GVS-*-90	40	90	M 6	25	9	20	10	36	55	31	2.5	0.2	100	194
GN 918-50-GVS-*-12	50	12	M 8	30	11	24	12	41	62	36	2.5	0.2	116	297
GN 918-50-GVS-*-22	50	22	M 8	30	11	24	12	41	62	36	2.5	0.2	116	301
GN 918-50-GVS-*-32	50	32	M 8	30	11	24	12	41	62	36	2.5	0.2	116	305
GN 918-50-GVS-*-42	50	42	M 8	30	11	24	12	41	62	36	2.5	0.2	116	308
GN 918-50-GVS-*-52	50	52	M 8	30	11	24	12	41	62	36	2.5	0.2	116	313
GN 918-50-GVS-*-62	50	62	M 8	30	11	24	12	41	62	36	2.5	0.2	116	316
GN 918-50-GVS-*-72	50	72	M 8	30	11	24	12	41	62	36	2.5	0.2	116	320
GN 918-50-GVS-*-82	50	82	M 8	30	11	24	12	41	62	36	2.5	0.2	116	324
GN 918-50-GVS-*-92	50	92	M 8	30	11	24	12	41	62	36	2.5	0.2	116	326
GN 918-50-GVS-*-102	50	102	M 8	30	11	24	12	41	62	36	2.5	0.2	116	324
GN 918-50-GVS-*-112	50	112	M 8	30	11	24	12	41	62	36	2.5	0.2	116	333

Weight type R



Machine elements



* Complete with

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

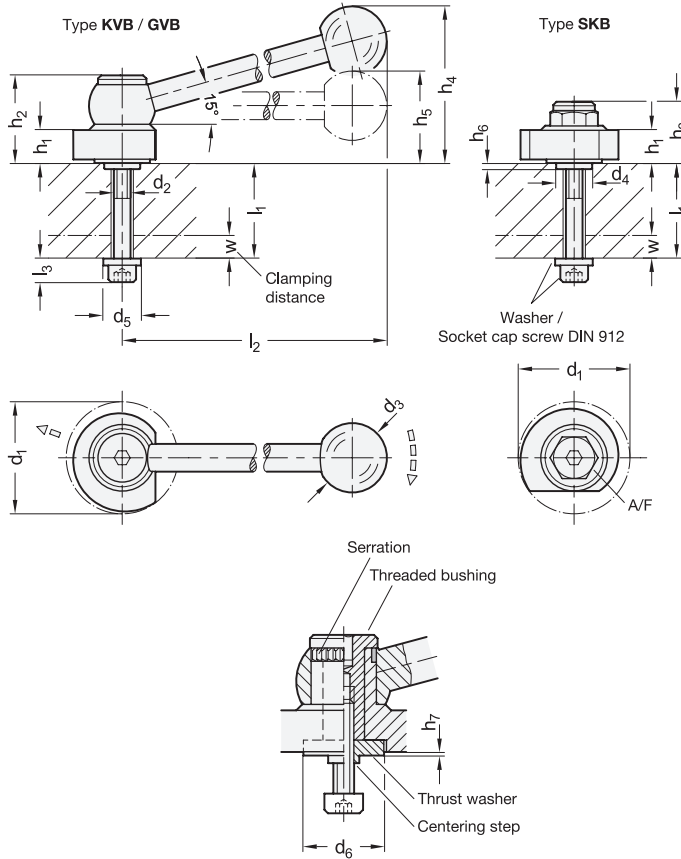
GN 918-SKS

Description	d1 -0.5	l1	d2	d4 h9	d6	h1	h3	h6 -0.1	h7 ≈	A/F	⊖
GN 918-40-SKS-*-15	40	15	M 6	9	20	10	26	2.5	0.2	15	92
GN 918-40-SKS-*-20	40	20	M 6	9	20	10	26	2.5	0.2	15	92
GN 918-40-SKS-*-25	40	25	M 6	9	20	10	26	2.5	0.2	15	94
GN 918-40-SKS-*-30	40	30	M 6	9	20	10	26	2.5	0.2	15	94
GN 918-40-SKS-*-35	40	35	M 6	9	20	10	26	2.5	0.2	15	96
GN 918-40-SKS-*-40	40	40	M 6	9	20	10	26	2.5	0.2	15	97
GN 918-40-SKS-*-50	40	50	M 6	9	20	10	26	2.5	0.2	15	98
GN 918-40-SKS-*-55	40	55	M 6	9	20	10	26	2.5	0.2	15	98
GN 918-40-SKS-*-60	40	60	M 6	9	20	10	26	2.5	0.2	15	100
GN 918-40-SKS-*-70	40	70	M 6	9	20	10	26	2.5	0.2	15	102
GN 918-40-SKS-*-75	40	75	M 6	9	20	10	26	2.5	0.2	15	104
GN 918-40-SKS-*-80	40	80	M 6	9	20	10	26	2.5	0.2	15	106
GN 918-40-SKS-*-90	40	90	M 6	9	20	10	26	2.5	0.2	15	108
GN 918-50-SKS-*-12	50	12	M 8	11	24	12	31	2.5	0.2	19	165
GN 918-50-SKS-*-22	50	22	M 8	11	24	12	31	2.5	0.2	19	169
GN 918-50-SKS-*-32	50	32	M 8	11	24	12	31	2.5	0.2	19	173
GN 918-50-SKS-*-42	50	42	M 8	11	24	12	31	2.5	0.2	19	176
GN 918-50-SKS-*-52	50	52	M 8	11	24	12	31	2.5	0.2	19	181
GN 918-50-SKS-*-62	50	62	M 8	11	24	12	31	2.5	0.2	19	184
GN 918-50-SKS-*-72	50	72	M 8	11	24	12	31	2.5	0.2	19	188
GN 918-50-SKS-*-82	50	82	M 8	11	24	12	31	2.5	0.2	19	192
GN 918-50-SKS-*-92	50	92	M 8	11	24	12	31	2.5	0.2	19	194
GN 918-50-SKS-*-102	50	102	M 8	11	24	12	31	2.5	0.2	19	192
GN 918-50-SKS-*-112	50	112	M 8	11	24	12	31	2.5	0.2	19	201

Weight type R



Machine elements 9



* Complete with

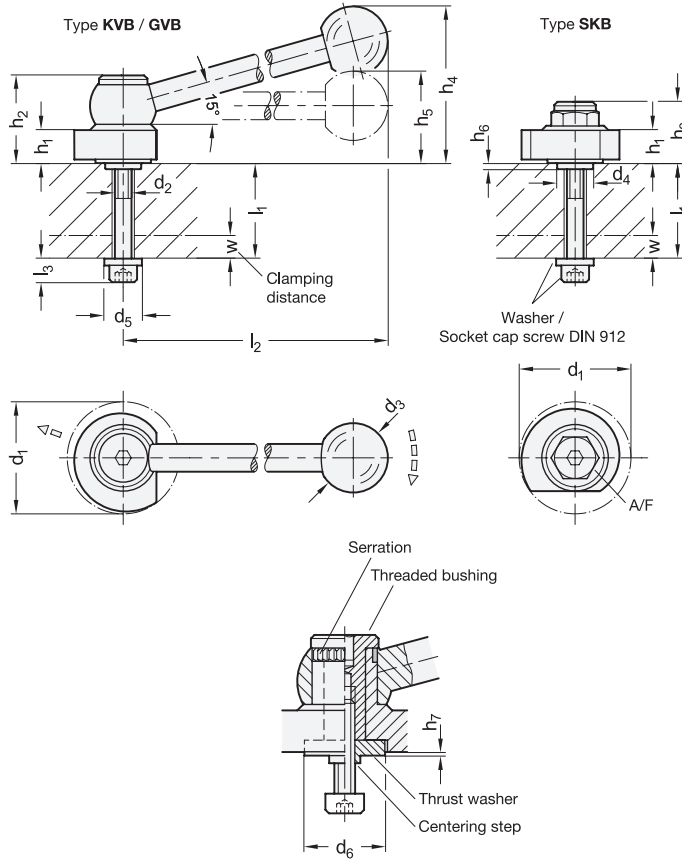
R By clockwise rotation (drawn version) L By anti-clockwise rotation

GN 918-KVB

Description	d1-0.5	h1 max.	d2	d3	d4 h9	d5	d6	h1	h2	h4 ≈	h5	h6-0.1	h7 ≈	l2 ≈	l3 ≈	w max.	⚖
GN 918-40-KVB-*-12	40	12	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	180
GN 918-40-KVB-*-22	40	22	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	182
GN 918-40-KVB-*-27	40	27	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	183
GN 918-40-KVB-*-32	40	32	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	184
GN 918-40-KVB-*-37	40	37	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	185
GN 918-40-KVB-*-42	40	42	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	186
GN 918-40-KVB-*-47	40	47	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	187
GN 918-40-KVB-*-57	40	57	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	189
GN 918-40-KVB-*-62	40	62	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	189
GN 918-40-KVB-*-67	40	67	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	190
GN 918-40-KVB-*-77	40	77	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	192
GN 918-40-KVB-*-82	40	82	M6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	194
GN 918-50-KVB-*-10	50	10	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	301
GN 918-50-KVB-*-20	50	20	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	303
GN 918-50-KVB-*-30	50	30	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	307
GN 918-50-KVB-*-40	50	40	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	311
GN 918-50-KVB-*-50	50	50	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	315
GN 918-50-KVB-*-60	50	60	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	318
GN 918-50-KVB-*-70	50	70	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	323
GN 918-50-KVB-*-80	50	80	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	326
GN 918-50-KVB-*-90	50	90	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	330
GN 918-50-KVB-*-100	50	100	M8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	334

Weight type R





* Complete with

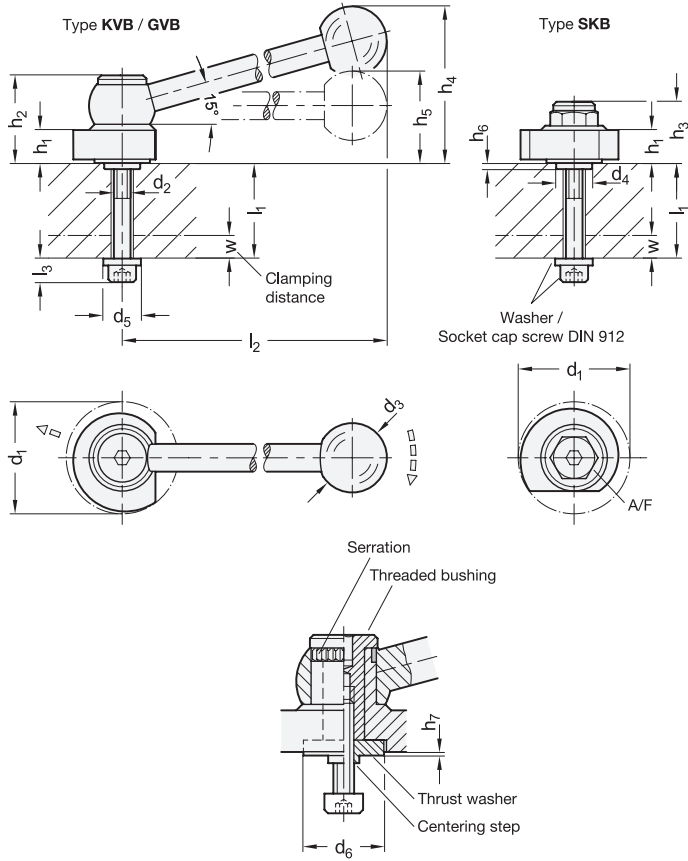
R By clockwise rotation (drawn version) L By anti-clockwise rotation

GN 918-GVB

Description	d1-0.5	l1 max.	d2	d3	d4 h9	d5	d6	h1	h2	h4 ≈	h5	h6-0.1	h7 ≈	l2 ≈	l3 ≈	w max.	⚙
GN 918-40-GVB-*-12	40	12	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	178
GN 918-40-GVB-*-22	40	22	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	180
GN 918-40-GVB-*-27	40	27	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	182
GN 918-40-GVB-*-32	40	32	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	182
GN 918-40-GVB-*-37	40	37	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	184
GN 918-40-GVB-*-42	40	42	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	184
GN 918-40-GVB-*-47	40	47	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	186
GN 918-40-GVB-*-57	40	57	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	187
GN 918-40-GVB-*-62	40	62	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	188
GN 918-40-GVB-*-67	40	67	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	188
GN 918-40-GVB-*-77	40	77	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	190
GN 918-40-GVB-*-82	40	82	M 6	25	9	12	20	10	30.5	55	31	2.5	0.2	100	8.5	5	192
GN 918-50-GVB-*-10	50	10	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	301
GN 918-50-GVB-*-20	50	20	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	303
GN 918-50-GVB-*-30	50	30	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	307
GN 918-50-GVB-*-40	50	40	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	311
GN 918-50-GVB-*-50	50	50	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	315
GN 918-50-GVB-*-60	50	60	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	318
GN 918-50-GVB-*-70	50	70	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	323
GN 918-50-GVB-*-80	50	80	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	326
GN 918-50-GVB-*-90	50	90	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	330
GN 918-50-GVB-*-100	50	100	M 8	30	11	16	24	12	34.5	62	36	2.5	0.2	116	10.5	5	334

Weight type R

Machine elements 9



* Complete with

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

GN 918-SKB

Description	d1 -0.5	l1 max.	d2	d4 h9	d5	d6	h1	h3	h6-0.1	h7 ≈	l3 ≈	A/F	w max.	⚖
GN 918-40-SKB-*-12	40	12	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	92
GN 918-40-SKB-*-22	40	22	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	94
GN 918-40-SKB-*-27	40	27	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	96
GN 918-40-SKB-*-32	40	32	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	96
GN 918-40-SKB-*-37	40	37	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	98
GN 918-40-SKB-*-42	40	42	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	98
GN 918-40-SKB-*-47	40	47	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	100
GN 918-40-SKB-*-57	40	57	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	101
GN 918-40-SKB-*-62	40	62	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	102
GN 918-40-SKB-*-67	40	67	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	102
GN 918-40-SKB-*-77	40	77	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	104
GN 918-40-SKB-*-82	40	82	M 6	9	12	20	10	21	2.5	0.2	8.5	15	5	106
GN 918-50-SKB-*-10	50	10	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	165
GN 918-50-SKB-*-20	50	20	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	167
GN 918-50-SKB-*-30	50	30	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	171
GN 918-50-SKB-*-40	50	40	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	175
GN 918-50-SKB-*-50	50	50	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	179
GN 918-50-SKB-*-60	50	60	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	182
GN 918-50-SKB-*-70	50	70	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	187
GN 918-50-SKB-*-80	50	80	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	190
GN 918-50-SKB-*-90	50	90	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	194
GN 918-50-SKB-*-100	50	100	M 8	11	16	24	12	24	2.5	0.2	10.5	19	5	198

Weight type R

