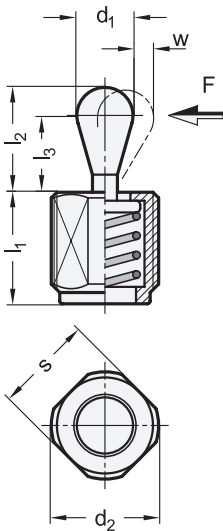
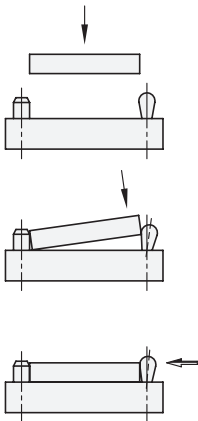
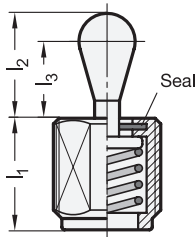


Type SA / KA



Type SB / KB



Metric



4 Type

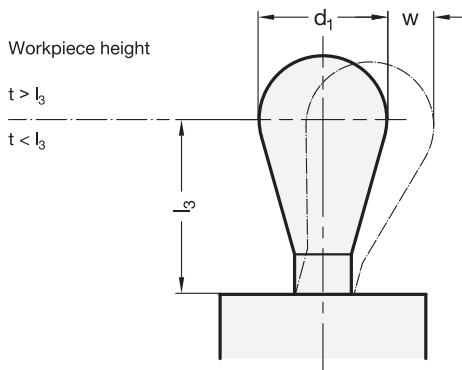
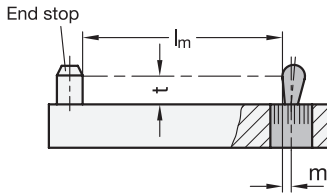
- SA** Steel thrust pin, without seal
- KA** Plastic thrust pin, without seal
- SB** Steel thrust pin, with seal
- KB** Plastic thrust pin, with seal

Metric table

1		2				3		Dimensions in: millimeters / inches															
d ₁	Side thrust force F ≈				l ₁ –2			d ₂	l ₂		l ₃		s	w		Part number installation tool 							
	Type SA / SB			Type KA / KB			Type SA / KA		Type SB / KB	Type SA / KA	Type SB / KB	Type SA / KA		Type SB / KB									
5 0.20	20 N 4.50 lbf	50 N 11.24 lbf	100 N 22.48 lbf	20 N 4.50 lbf	11.5 0.45	19 0.75	26.5 1.04	M 12	6.4 0.25	6 0.24	3.9 0.15	3.5 0.14	10 0.39	1.6 0.06	0.8 0.03	GN 713.1-5.6							
6 0.24	40 N 8.99 lbf	75 N 16.86 lbf	100 N 22.48 lbf	40 N 8.99 lbf	11.5 0.45	19 0.75	26.5 1.04	M 12	10.4 0.41	10 0.39	7.4 0.29	7 0.28	10 0.39	2 0.08	1 0.04	GN 713.1-5.6							
10 0.39	100 N 22.48 lbf	150 N 33.72 lbf	205 N 46.09 lbf	100 N 22.48 lbf	18 0.71	31.5 1.24	45 1.77	M 18 x 1.5	16.9 0.67	16 0.63	11.9 0.47	11 0.43	16 0.63	3.2 0.13	1.4 0.06	GN 713.1-10							

Side Thrust Pins

Technical and Assembly Instructions GN 713 | GN 714 | GN 715



The position of the mounting hole results from the workpiece length l_m plus the hole offset m , which is calculated as shown below:

- w = Maximum movement range of the thrust pin
- t = Workpiece height
- m = Hole offset

Case 1:

The workpiece height t is greater than the cone height l_3

$$m = \frac{d_1}{2} - \frac{w}{2}$$

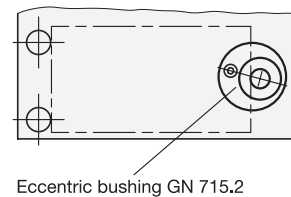
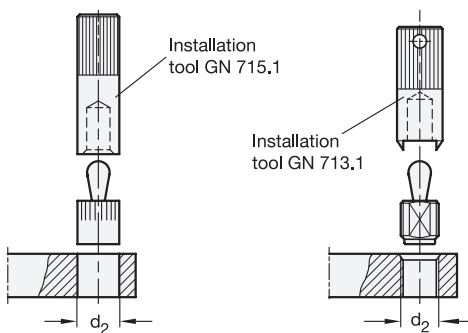
Case 2:

The workpiece height t is smaller than the cone height l_3

$$m = \frac{d_1}{2} - (l_3 - t) \times 0.123$$

If the position of the mounting hole is determined as specified, the full movement of the side thrust pin will be available to cover the tolerance of the workpiece.

In case 1, the lateral clamping force is coupled with a downward pull that presses the workpiece against the contact surface.



The use of a installation tool GN 715.1 or installation tool GN 713.1 is recommended for installation.

Eccentric bushings GN 715.2 are an assembly aid for side thrust pins GN 714 / GN 715. They enable adjustment of the side thrust pins to the most favorable clamping position, e.g. to bridge larger tolerance ranges of a workpiece.