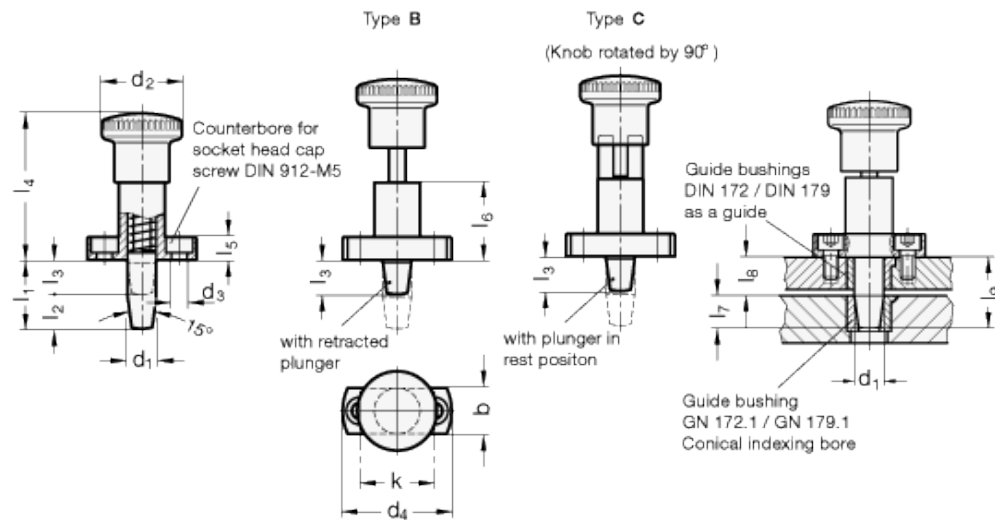


GN 817.5

Indexing plungers



technical informations

Specification

Types

- Type B: without rest position
- Type C: with rest position

Steel

- blackened
- Plunger hardened and ground

Knob

Plastic (Polyamide PA)

- black, matt
- not removable

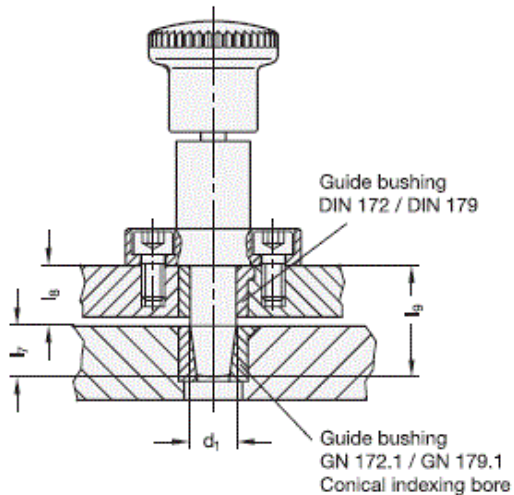
Information

Indexing plungers GN 817.5 allow highly accurate positioning, with the guidance made by the positioning bushings DIN 172 / 179 with cylindrical bore. The actual indexing bore is fitted with positioning bushings GN 172.1 / 179.1 with conical bores.

The conical shape of the indexing pin / the indexing bore makes the positioning virtually clearance-free and therefore highly precise.

Type C is used for such applications where the plunger has to stay in its retracted position. To achieve this, the knob is rotated by 90° degrees after being retracted. A notch keeps the plunger in this position.

Construction and assembly instructions for indexing plungers GN 817.5 (Plungers conical)



The length l_7 is determined by the penetration depth of the indexing pin into the cone of the bush.

The length l_8 must ensure that the indexing pin fully disengages, bushing length and plate thickness plus any gap can then be selected within certain margins.

If engaged, the pin must have a minimum remaining stroke of 0,5 mm to make sure that the conical section of the pin is located without clearance in the cone of the guide bushing.

Two different plunger lengths l_1 are available for each indexing plunger diameter d_1 (see product table).

For a safe remaining stroke length: $l_8 = l_1 - 0,5 \text{ mm}$

A selection of suitable guide bushings DIN 172 / DIN 179 with cylindrical bore and guide bushings GN 172.1 / GN 179.1 with conical bore is given below on → page ...

see also...

• Indexing plungers GN 817.5 (Plungers conical)

→ New products

Standard Elements	Main dimensions																Spring load in N		Weight
	Description	$d_1 \text{ h6}$	l_1	l_2	l_3	b	d_2	d_3	d_4	k	l_4	l_5	l_6	l_7	$l_8 \text{ min.}$	$l_8 \text{ max.}$	l_9	initial	
GN 817.5-6-18-B	6	18	9	9	13	23	4.3	34	23	45	6	25	7	9	10	17.5	6	25	-
GN 817.5-6-24-B	6	24	9	15	13	23	4.3	34	23	45	6	25	7	15	16	23.5	6	25	-
GN 817.5-8-20-B	8	20	10.6	9.4	16	28	5.3	38	26	51	8	27	9	9.4	10	19.5	8.5	28	-
GN 817.5-8-26-B	8	26	10.6	15.4	16	28	5.3	38	26	51	8	27	9	15.4	16	25.5	8.5	28	-
GN 817.5-10-24-B	10	24	12.6	11.4	16	28	5.3	38	26	51	8	27	11	11.4	12	23.5	11.5	40	-
GN 817.5-10-32-B	10	32	12.6	19.4	16	28	5.3	38	26	51	8	27	11	19.4	20	31.5	11.5	40	-
GN 817.5-6-18-C	6	18	9	9	13	23	4.3	34	23	45	6	25	7	9	10	17.5	6	25	-
GN 817.5-6-24-C	6	24	9	15	13	23	4.3	34	23	45	6	25	7	15	16	23.5	6	25	-
GN 817.5-8-20-C	8	20	10.6	9.4	16	28	5.3	38	26	51	8	27	9	9.4	10	19.5	8.5	28	-
GN 817.5-8-26-C	8	26	10.6	15.4	16	28	5.3	38	26	51	8	27	9	15.4	16	25.5	8.5	28	-
GN 817.5-10-24-C	10	24	12.6	11.4	16	28	5.3	38	26	51	8	27	11	11.4	12	23.5	11.5	40	-
GN 817.5-10-32-C	10	32	12.6	19.4	16	28	5.3	38	26	51	8	27	11	19.4	20	31.5	11.5	40	-



STANDARD MACHINE ELEMENTS WORLDWIDE