



# GN 817.3

## Indexing plungers

for precision locating, plunger cylindrical



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### Specification

#### Types

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

#### Steel

- blackened
- Pin hardened and grounded

#### Knob Plastic (Polyamide PA)

- black, matt
- not removable

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### Information

Indexing plungers GN 817.3 realize a reasonable priced precision locating when guide bushings [DIN 179](#) are used.

For this purpose a guide bushing [DIN 179](#) is used as guide, whereby the dimension  $l_3$  of the plunger determines the length of the bushing.

The precise location is, therefore, not dependent on the guide pin in the plunger, but on the accuracy of the guide bush (bore tolerance F7) and the plunger (tolerance h7). Both components are hardened and ground. It goes without saying that the bush length also influences the accuracy of the positioning.

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.

- [Range of indexing plungers](#)

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### Accessory

- Guide bushings [DIN 179](#)

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### Technical information

- [ISO-Fundamental Tolerances](#)
- [Plastic characteristics](#)

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### Construction and assembly instructions

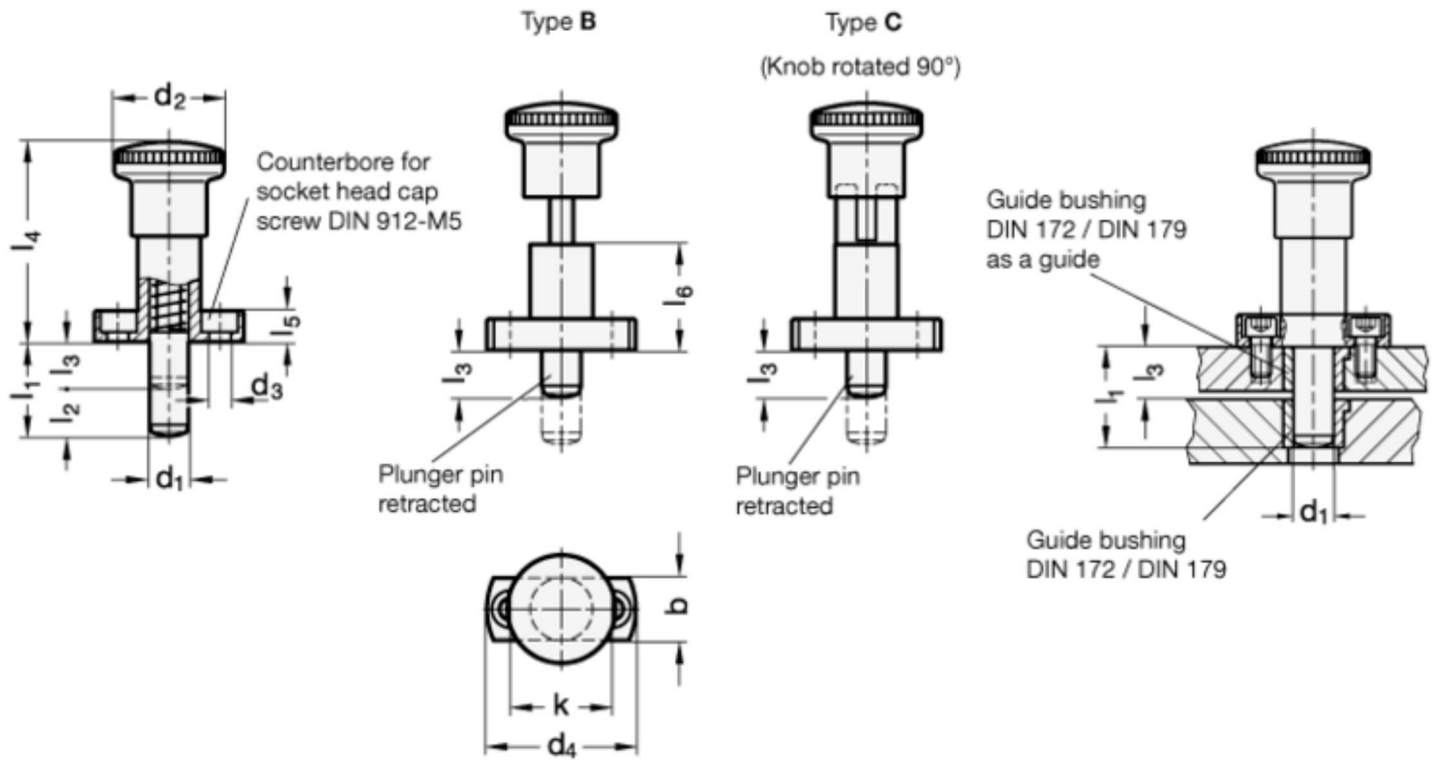
Two different plunger pin lengths  $l_1$  are available for each indexing plunger diameter  $d_1$ .

The length  $l_3$  must ensure that the indexing pin fully disengages, bushing length and plate thickness plus any gap can then be selected within certain margins.

For mounting bushings with tolerance n6, a hole with tolerance H7 corresponding to the external diameter is usually provided.

A selection of suitable guide bushings DIN 172 and DIN 179 is given.

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## GN 817.3

Description	d <sub>1</sub> h7	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	b	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	k	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	Spring load in N ≈ initial	Spring load in N ≈ end	Weight
<b>GN 817.3-6-18-B</b>	6	18	9	9	13	23	4.3	34	23	45	6	25	6	25	43
<b>GN 817.3-6-24-B</b>	6	24	9	15	13	23	4.3	34	23	45	6	25	6	25	45
<b>GN 817.3-8-20-B</b>	8	20	10	10	16	28	5.5	38	26	51	8	27	8.5	28	74
<b>GN 817.3-8-26-B</b>	8	26	10	16	16	28	5.5	38	26	51	8	27	8.5	28	77
<b>GN 817.3-10-24-B</b>	10	24	12	12	16	28	5.5	38	26	51	8	27	9.5	38	77
<b>GN 817.3-10-32-B</b>	10	32	12	20	16	28	5.5	38	26	51	8	27	9.5	38	80
<b>GN 817.3-6-18-C</b>	6	18	9	9	13	23	4.3	34	23	45	6	25	6	25	47
<b>GN 817.3-6-24-C</b>	6	24	9	15	13	23	4.3	34	23	45	6	25	6	25	48
<b>GN 817.3-8-20-C</b>	8	20	10	10	16	28	5.5	38	26	51	8	27	8.5	28	80
<b>GN 817.3-8-26-C</b>	8	26	10	16	16	28	5.5	38	26	51	8	27	8.5	28	83
<b>GN 817.3-10-24-C</b>	10	24	12	12	16	28	5.5	38	26	51	8	27	9.5	38	83
<b>GN 817.3-10-32-C</b>	10	32	12	20	16	28	5.5	38	26	51	8	27	9.5	38	100