

3 Type

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

1

2

d ₁ Plunger h7	l ₁	l ₂ Stroke	l ₃	b	d ₂	d ₃	d ₄	k	l ₄	l ₅	l ₆	Spring load in N ≈	
												initial	end
6	18	9	9	13	23	4,3	34	23	45	6	25	6	25
6	24	9	15	13	23	4,3	34	23	45	6	25	6	25
8	20	10	10	16	28	5,5	38	26	51	8	27	8,5	28
8	22	10	12	16	28	5,5	38	26	51	8	27	8,5	28
8	26	10	16	16	28	5,5	38	26	51	8	27	8,5	28
8	30	10	20	16	28	5,5	38	26	51	8	27	8,5	28
10	22	12	10	16	28	5,5	38	26	51	8	27	9,5	38
10	24	12	12	16	28	5,5	38	26	51	8	27	9,5	38
10	28	12	16	16	28	5,5	38	26	51	8	27	9,5	38
10	32	12	20	16	28	5,5	38	26	51	8	27	9,5	38

Specification

- Steel
 - blackened
 - Plunger hardened and ground
- Knob Plastic (Polyamide PA)
 - black, matt
 - not removable
- ISO-Fundamental Tolerances → Page 1132
- Plastic characteristics → Page 1141
- RoHS compliant

Accessory

- Guide bushes DIN 179 → Page 575

Information

Indexing plungers GN 817.3 realize a reasonable priced precision locating when guide bushes DIN 179 are used.

For this purpose a guide bush DIN 179 is used as guide, whereby the dimension l₃ of the plunger determines the length of the bush.

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.

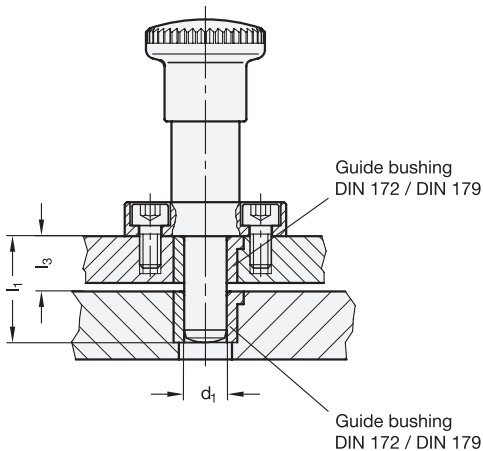
Type C is used for such applications where the plunger has to stay in its retracted position. To achieve this, the knob is rotated by 90° degrees after being retracted. A notch keeps the plunger in this position.

see also...

- Range of indexing plungers → Page 402

How to order	1 d ₁
GN817.3-10-24-C	2 l ₁
	3 Type

Construction and assembly instructions for indexing plungers GN 817.3 (Plungers cylindrical)



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

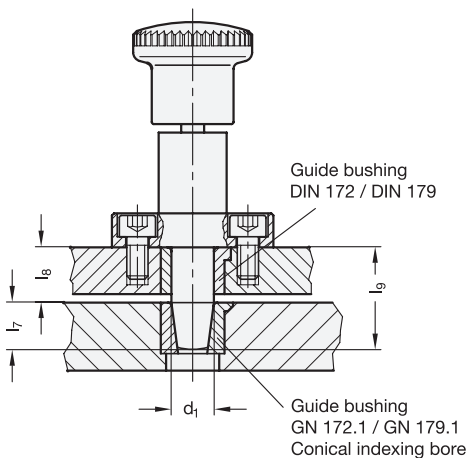
The length l_3 must ensure that the indexing pin fully disengages, bushing length and plate thickness plus any gap can then be selected within certain margins.

A selection of suitable guide bushings DIN 172 and DIN 179 is given s given below on → page ...

see also...

- Indexing plungers GN 817.3 (Plungers cylindrical)
→ New products

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: $l_9 = l_1 - 0,5 \text{ mm}$

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