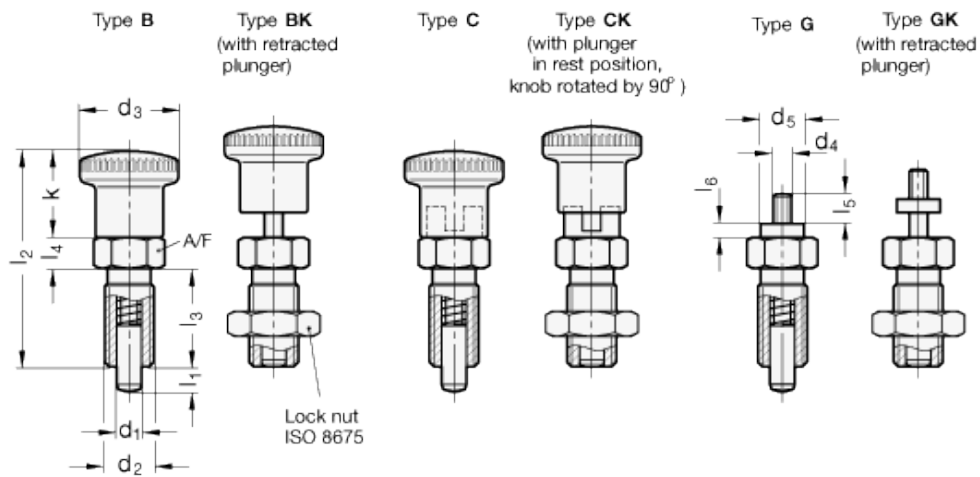


# GN 817

Indexing plungers



## technical informations

### Body

Black-oxide steel.

### Plunger

Hardened ground steel. Suggested matching hole in H8 tolerance.

### Locking nut

Black-oxide steel.

### Knurled knob

High impact strength polyamide based (PA) technopolymer, black colour, matte finish (type B, BK). Resistant to solvents, oils, greases and other chemical agents.

### Knurled keyed knob

High impact strength special technopolymer, black colour, matte finish (standard colour) or red RAL 3000 RT. Resistant to solvents, oils, greases and other chemical agents.

#### Standard versions available

- Type B: with knob, without locking nut.
- Type BK: with knob and locking nut, ISO 8675.
- Type C: with knob, without locking nut.
- Type CK: with knob and locking nut, ISO 8675.

#### Other standard executions available

Threaded drive rod for combination with knobs on customer's request or to link the rod to an operating mechanism of the machine.

- Version G: without locking nut.
- Version GK: with locking nut.

#### Features and applications

GN 817 indexing plungers offer the following advantages:

- two retracting strokes (I1) per plunger  $\varnothing$ ;
- identical small dimensions I for type B and C;
- retracting mechanism (type C) is shrouded in part;
- defined thread length by an undercut at the end of the thread.

Version C with keyed knob is used in all the applications where the plunger must not protrude continually. In that case the knob is retracted and afterwards turned by 90°. A notch is provided for the key to prevent the plunger from turning by error or vibration.

Standard Elements	Main dimensions	Spring pressure in N $\approx$	Weight
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Description	d <sub>1</sub> -0.02/-0.04	l <sub>1</sub> min.	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	k	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	A/F	Preload	Max load	g
GN 817-4-4-B	4	4	M8x1	16	-	-	14	35	16	5	-	-	10	4.5	12	11
GN 817-4-6-B	4	6	16	16	-	-	14	35	16	5	-	-	10	4	12.5	11
GN 817-5-5-B	5	5	M10x1	19	-	-	16	40	18	6	-	-	12	5	15	19
GN 817-5-8-B	5	8	M10x1	19	-	-	16	40	18	6	-	-	12	5	18	19
GN 817-6-6-B	6	6	M12x1.5	23	-	-	20	48	22	6	-	-	14	6.5	19	32
GN 817-6-9-B	6	9	M12x1.5	23	-	-	20	48	22	6	-	-	14	6	25	32
GN 817-8-8-B	8	8	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	26	68
GN 817-8-12-B	8	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	28	67
GN 817-10-12-B	10	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	9.5	38	69
GN 817-12-15-B	12	15	M20x1.5	28	-	-	24	67	33	10	-	-	22	11.5	40	117
GN 817-4-4-BK	4	4	M8x1	16	-	-	14	35	16	5	-	-	10	4.5	12	12
GN 817-4-6-BK	4	6	M8x1	16	-	-	14	35	16	5	-	-	10	4	12.5	12
GN 817-5-5-BK	5	5	M10x1	19	-	-	16	40	18	6	-	-	12	5	15	20
GN 817-5-8-BK	5	8	M10x1	19	-	-	16	40	18	6	-	-	12	5	18	20
GN 817-6-6-BK	6	6	M12x1.5	23	-	-	20	48	22	6	-	-	14	6.5	19	33
GN 817-6-9-BK	6	9	M12x1.5	23	-	-	20	48	22	6	-	-	14	6	25	33
GN 817-8-8-BK	8	8	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	26	69
GN 817-8-12-BK	8	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	28	69
GN 817-10-12-BK	10	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	9.5	38	71
GN 817-12-15-BK	12	15	M20x1.5	28	-	-	24	67	33	10	-	-	22	11.5	40	151
GN 817-4-4-C	4	40	M8x1	16	-	-	14	35	16	5	-	-	10	4.5	12	12
GN 817-4-6-C	4	6	M8x1	16	-	-	14	35	16	5	-	-	10	4	12.5	13
GN 817-5-5-C	5	5	M10x1	19	-	-	16	40	18	6	-	-	12	5	15	21
GN 817-5-8-C	5	8	M10x1	19	-	-	16	40	18	6	-	-	12	5	18	22
GN 817-6-6-C	6	6	M12x1.5	23	-	-	20	48	22	6	-	-	14	6.5	19	35
GN 817-6-9-C	6	9	M12x1.5	23	-	-	20	48	22	6	-	-	14	6	25	36
GN 817-8-8-C	8	8	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	26	73
GN 817-8-12-C	8	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	28	71
GN 817-10-12-C	10	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	9.5	38	74
GN 817-12-15-C	12	15	M20x1.5	28	-	-	24	67	33	10	-	-	22	11.5	40	125
GN 817-4-4-CK	4	4	M8x1	16	-	-	14	35	16	5	-	-	10	4.5	12	13
GN 817-4-6-CK	4	6	M8x1	16	-	-	14	35	16	5	-	-	10	4	12.5	13
GN 817-5-5-CK	5	5	M10x1	19	-	-	16	40	18	6	-	-	12	5	15	22
GN 817-5-8-CK	5	8	M10x1	19	-	-	16	40	18	6	-	-	12	5	18	22
GN 817-6-6-CK	6	6	M12x1.5	23	-	-	20	48	22	6	-	-	14	6.5	19	36
GN 817-6-9-CK	6	9	M12x1.5	23	-	-	20	48	22	6	-	-	14	6	25	37
GN 817-8-8-CK	8	8	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	26	75
GN 817-8-12-CK	8	12	M16x1.5	2	-	-	24	58	26	8	-	-	17	8.5	28	72
GN 817-10-12-CK	10	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	9.5	38	77
GN 817-12-15-CK	12	15	M20x1.5	28	-	-	24	67	33	10	-	-	22	11.5	40	151
GN 817-4-4-G	4	4	M8x1	-	M3	7	-	35	16	-	4.5	2.5	10	4.5	12	10
GN 817-4-6-G	4	6	M8x1	-	M3	7	-	35	16	-	4.5	2.5	10	4	12.5	10
GN 817-5-5-G	5	5	M10x1	-	M4	8	-	40	18	-	5.5	3	12	5	15	17

GN 817-5-8-G	5	8	M10x1	-	M4	8	-	40	18	-	5.5	3	12	5	18	17
GN 817-6-6-G	6	6	M12x1.5	-	M5	9	-	48	22	-	7	3.5	14	6.5	19	29
GN 817-6-9-G	6	9	M12x1.5	-	M5	9	-	48	22	-	7	3.5	14	6	25	29
GN 817-8-8-G	8	8	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	8.5	26	61
GN 817-8-12-G	8	12	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	8.5	28	60
GN 817-10-12-G	10	12	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	9.5	38	62
GN 817-12-15-G	12	15	M20x1.5	-	M6	12	-	67	33	-	8.5	4	22	11.5	40	111
GN 817-4-4-GK	4	4	M8x1	-	M3	7	-	35	16	-	4.5	2.5	10	4.5	12	11
GN 817-4-6-GK	4	6	M8x1	-	M3	7	-	35	16	-	4.5	2.5	10	4	12.5	11
GN 817-5-5-GK	5	5	M10x1	-	M4	8	-	40	18	-	5.5	3	12	5	15	18
GN 817-5-8-GK	5	8	M10x1	-	M4	8	-	40	18	-	5.5	3	12	5	18	18
GN 817-6-6-GK	6	6	M12x1.5	-	M5	9	-	48	22	-	7	3.5	14	6.5	19	30
GN 817-6-9-GK	6	9	M12x1.5	-	M5	9	-	48	22	-	7	3.5	14	6	25	30
GN 817-8-8-GK	8	8	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	8.5	26	62
GN 817-8-12-GK	8	12	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	8.5	28	62
GN 817-10-12-GK	10	12	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	9.5	38	64
GN 817-12-15-GK	12	15	M20x1.5	-	M6	12	-	67	33	-	8.5	4	22	11.5	40	135



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