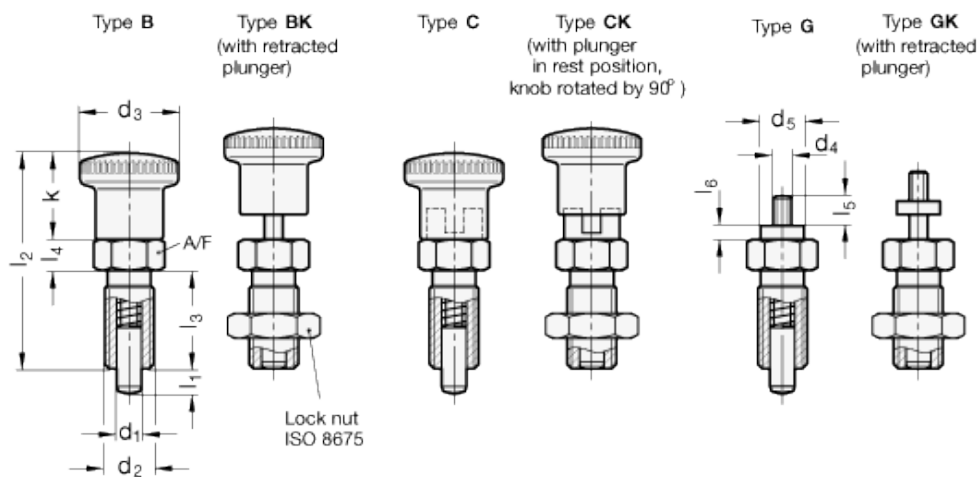


GN 817-NI

Indexing plungers



technical informations

Body

AISI 303 stainless steel.

Plunger

AISI 303 ground nickel-plated stainless steel. Suggested matching hole in H8 tolerance.

Locking nut

AISI 304 stainless steel (for type BK, CK, GK).

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 (standardversion), 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 versions available

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

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

Features and applications

GN 817 indexing plungers offer the following advantages:

- two retracting strokes (I1) per plunger \emptyset ;
- 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.

Stainless steel, thanks to its high resistance to corrosion, allows the application of these indexing plungers on machines and equipment in those sectors where laws or particular hygienic, climatic and environmental factors make it mandatory to use corrosion resistant materials.

Standard Elements

Main dimensions

Spring pressure in N \approx

Weigh

Description	d ₁ -0.02/-0.04	l ₁ min.	d ₂	d ₃	d ₄	d ₅	k	l ₂	l ₃	l ₄	l ₅	l ₆	A/F	Preload	Max. load	g
GN 817-4-4-B-NI	4	4	M8x1	16	-	-	14	35	16	5	-	-	10	4.5	12	11
GN 817-4-6-B-NI	4	6	M8x1	16	-	-	14	35	16	5	-	-	10	4	12.5	11
GN 817-5-5-B-NI	5	5	M10x1	19	-	-	16	40	18	6	-	-	12	5	15	19
GN 817-5-8-B-NI	5	8	M10x1	19	-	-	16	40	18	6	-	-	12	5	18	19
GN 817-6-6-B-NI	6	6	M12x1.5	23	-	-	20	48	22	6	-	-	14	6.5	19	32
GN 817-6-9-B-NI	6	9	M12x1.5	23	-	-	20	48	22	6	-	-	14	6	25	32
GN 817-8-8-B-NI	8	8	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	26	68
GN 817-8-12-B-NI	8	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	28	67
GN 817-10-12-B-NI	10	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	9.5	38	69
GN 817-12-15-B-NI	12	15	M20x1.5	33	-	-	28.5	71.5	33	10	-	-	22	11.5	40	117
GN 817-16-20-B-NI	16	20	M24x2	33	-	-	28.5	78.5	38	12	-	-	27	13	54	-
GN 817-4-4-BK-NI	4	4	M8x1	16	-	-	14	35	16	5	-	-	10	4.5	12	12
GN 817-4-6-BK-NI	4	6	M8x1	16	-	-	14	35	16	5	-	-	10	4	12.5	12
GN 817-5-5-BK-NI	5	5	M10x1	19	-	-	16	40	18	6	-	-	12	5	15	20
GN 817-5-8-BK-NI	5	8	M10x1	19	-	-	16	40	18	6	-	-	12	5	18	20
GN 817-6-6-BK-NI	6	6	M12x1.5	23	-	-	20	48	22	6	-	-	14	6.5	19	33
GN 817-6-9-BK-NI	6	9	M12x1.5	23	-	-	20	48	22	6	-	-	14	6	25	33
GN 817-8-8-BK-NI	8	8	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	26	69
GN 817-8-12-BK-NI	8	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	28	69
GN 817-10-12-BK-NI	10	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	9.5	38	71
GN 817-12-15-BK-NI	12	15	M20x1.5	33	-	-	28.5	71.5	33	10	-	-	22	11.5	40	151
GN 817-16-20-BK-NI	16	20	M24x2	33	-	-	28.5	78.5	38	12	-	-	27	13	54	-
GN 817-4-4-C-NI	4	4	M8x	16	-	-	14	35	16	5	-	-	10	4.5	12	12
GN 817-4-6-C-NI	4	6	M8x1	16	-	-	14	35	16	5	-	-	10	4	12.5	13
GN 817-5-5-C-NI	5	5	M10x1	19	-	-	16	40	18	6	-	-	12	5	15	21
GN 817-5-8-C-NI	5	8	M10x1	19	-	-	16	40	18	6	-	-	12	5	18	22
GN 817-6-9-C-NI	6	9	M12x1.5	23	-	-	20	48	22	6	-	-	14	6	25	36
GN 817-6-6-C-NI	6	6	M12x1.5	23	-	-	20	48	22	6	-	-	14	6.5	19	35
GN 817-8-8-C-NI	8	8	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	26	73
GN 817-8-12-C-NI	8	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	28	71
GN 817-10-12-C-NI	10	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	9.5	38	74
GN 817-12-15-C-NI	12	15	M20x1.5	33	-	-	28.5	71.5	33	10	-	-	22	11.5	40	125
GN 817-16-20-C-NI	16	20	M24x2	33	-	-	28.5	78.5	38	12	-	-	27	13	54	-
GN 817-4-4-CK-NI	4	4	M8x1	16	-	-	14	35	16	5	-	-	10	4.5	12	13
GN 817-4-6-CK-NI	4	6	M8x1	16	-	-	14	35	16	5	-	-	10	4	12.5	13
GN 817-5-5-CK-NI	5	5	M10x1	19	-	-	16	40	18	6	-	-	12	5	15	22
GN 817-5-8-CK-NI	5	8	M10x1	19	-	-	16	40	18	6	-	-	12	5	18	22
GN 817-6-6-CK-NI	6	6	M12x1.5	23	-	-	20	48	22	6	-	-	14	6.5	19	32
GN 817-6-9-CK-NI	6	9	M12x1.5	23	-	-	20	48	22	6	-	-	14	6	25	37
GN 817-8-8-CK-NI	8	8	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	26	75
GN 817-8-12-CK-NI	8	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	8.5	28	72
GN 817-10-12-CK-NI	10	12	M16x1.5	28	-	-	24	58	26	8	-	-	17	9.5	38	77
GN 817-12-15-CK-NI	12	15	M20x1.5	33	-	-	28.5	71.5	33	10	-	-	22	11.5	40	151

GN 817-16-20-CK-NI	16	20	M24x2	33	-	-	28.5	78.5	38	12	-	-	27	13	54	-
GN 817-4-4-G-NI	4	4	M8x1	-	M3	7	-	35	16	-	4.5	2.5	10	4.5	12	10
GN 817-4-6-G-NI	4	6	M8x1	-	M3	7	-	35	16	-	4.5	2.5	10	4	12.5	10
GN 817-5-5-G-NI	5	5	M10x1	-	M4	8	-	4	18	-	5.5	3	12	5	15	17
GN 817-5-8-G-NI	5	8	M10x1	-	M4	8	-	40	18	-	5.5	3	12	5	18	17
GN 817-6-6-G-NI	6	6	M12x1.5	-	M5	9	-	48	22	-	7	3.5	14	6.5	19	29
GN 817-6-9-G-NI	6	9	M12x1.5	-	M5	9	-	48	22	-	7	3.5	14	6	25	29
GN 817-8-8-G-NI	8	8	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	8.5	26	61
GN 817-8-12-G-NI	8	12	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	8.5	28	60
GN 817-10-12-G-NI	10	12	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	9.5	38	62
GN 817-12-15-G-NI	12	15	M20x1.5	-	M8	12	-	71.5	33	-	8.5	4	22	11.5	40	111
GN 817-16-20-G-NI	16	20	M24x2	-	M8	15	-	78.5	38	-	11.5	5	27	13	54	-
GN 817-4-4-GK-NI	4	4	M8x1	-	M3	7	-	35	16	-	4.5	2.5	10	4.5	12	11
GN 817-4-6-GK-NI	4	6	M8x1	-	M3	7	-	35	16	-	4.5	2.5	10	4	12.5	11
GN 817-5-5-GK-NI	5	5	M10x1	-	M4	8	-	40	18	-	5.5	3	12	5	15	18
GN 817-5-8-GK-NI	5	8	M10x1	-	M4	8	-	40	18	-	5.5	3	12	5	18	18
GN 817-6-6-GK-NI	6	6	M12x1.5	-	M5	9	-	48	22	-	7	3.5	14	6.5	19	30
GN 817-6-9-GK-NI	6	9	M12x1.5	-	M5	9	-	48	22	-	7	3.5	14	6	25	30
GN 817-8-8-GK-NI	8	8	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	8.5	26	62
GN 817-8-12-GK-NI	8	12	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	8.5	28	62
GN 817-10-12-GK-NI	10	12	M16x1.5	-	M6	10	-	58	26	-	8.5	4	17	9.5	38	64
GN 817-12-15-GK-NI	12	15	M20x1.5	-	M8	12	-	71.5	33	-	8.5	4	22	11.5	40	135
GN 817-16-20-GK-NI	16	20	M24x2	-	M8	15	-	78.5	38	-	11.5	5	27	13	54	-



STANDARD MACHINE ELEMENTS WORLDWIDE