

Indexing Plungers

with Lifting Ring / with Wire Loop / with Knob, with and without Rest Position

SPECIFICATION

Types

- Type **A**: With lifting ring
- Type **D**: With wire loop
- Type **B**: Without rest position, with knob
- Type **C**: With rest position, with knob

Guide

- Zinc die casting
Powder coated
Black, textured finish
- Stainless steel precision casting **NI**
AISI CF-8
Plain, matte shot-blasted

Plunger pin

Stainless steel AISI 303

Pressure spring

Stainless steel AISI 301

Lifting ring / wire loop

Stainless steel AISI 301

Knob

- Plastic (Polyamide PA)
Black, matte finish
Not removable

INFORMATION

Indexing plungers GN 417 with flange are mounted parallel to the plungers and are characterized by an especially low height. The mounting hole pattern with slots offers generous adjustment options, such as for the use of aluminum sections. The use of washers makes it easier to mount the parts using the slots.

Indexing plungers with rest position (type C) are used for such applications where the plunger has to stay in its retracted position. After pulling out, the knob is turned by 90° indexing. A notch keeps the plunger in this position.

Type D has a reinforced wire loop, making it especially suited for remote actuation, e.g. by Bowden cable.

The stainless steel versions allow the indexing plungers to be used in more aggressive environments.

- Range of indexing plungers (see page 738)

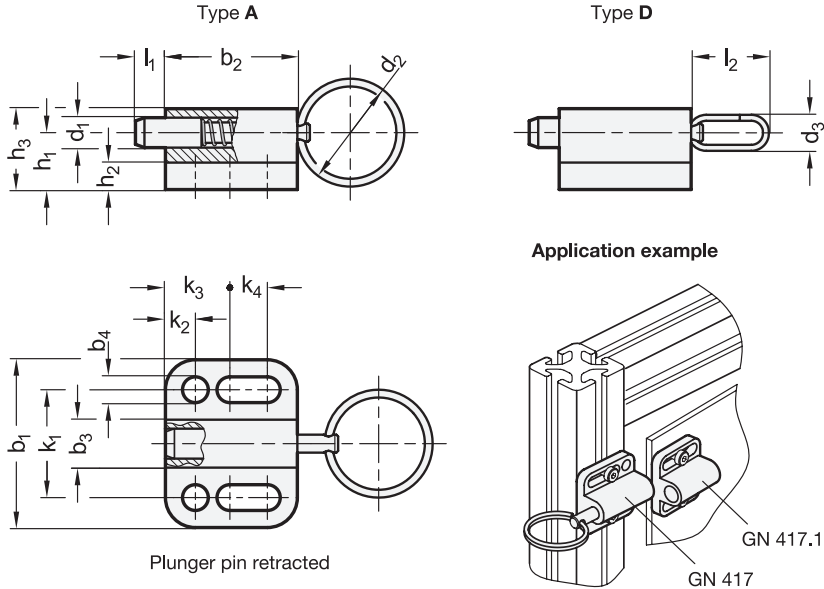
TECHNICAL INFORMATION

- Load rating information (see page A35)
- ISO-Fundamental Tolerances (see page A21)
- Plastic characteristics (see page A2)
- Stainless Steel characteristics (see page A26)

ACCESSORY

- GN 417.1 Locators (see page 794)





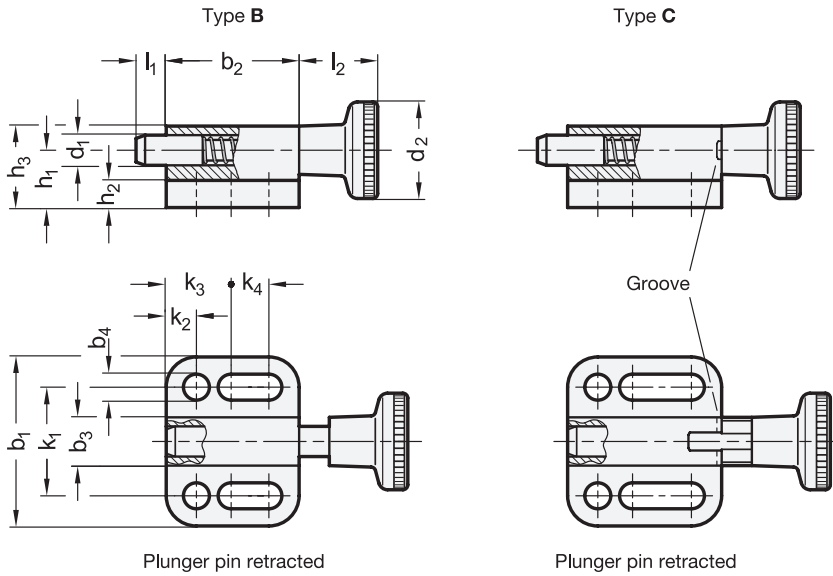
GN 417-A

Description	d1 Bore +0.03/+0.08 P in h11	b1	b2	b3	b4 -0.2	d2	d3	h1	h2	h3	k1 ±0.05	k2	k3	k4	l1	l2	Spring load in N≈ initial	Spring load_in N≈ end	⚖
GN 417-4-A	4	22	16.5	6	3.3	14	6	7	4	10	14	4	8	4.5	4	13	3	12	11
GN 417-5-A	5	28	22	8	4.3	18	7.2	9.5	4.5	13.5	18	5	10	7	5	15.5	5	24	22
GN 417-6-A	6	32	27.5	10	5.4	24	9.5	10.5	5	15.5	21	5.5	12	10	6	21	5	21	36
GN 417-8-A	8	34	33	12	5.4	30	11.8	12.5	6	18.5	23	5.5	12	15.5	8	26	6	22	58
GN 417-10-A	10	39	35	14.5	6.5	30	11.8	14.5	6	21.75	27	6	15	13.5	10	26	4	25	83
GN 417-4-A-NI	4	22	16.5	6	3.3	14	6	7	4	10	14	4	8	4.5	4	13	3	12	12
GN 417-5-A-NI	5	28	22	8	4.3	18	7.2	9.5	4.5	13.5	18	5	10	7	5	15.5	5	24	23
GN 417-6-A-NI	6	32	27.5	10	5.4	24	9.5	10.5	5	15.5	21	5.5	12	10	6	21	5	21	41
GN 417-8-A-NI	8	34	33	12	5.4	30	11.8	12.5	6	18.5	23	5.5	12	15.5	8	26	6	22	65
GN 417-10-A-NI	10	39	35	14.5	6.5	30	11.8	14.5	6	21.75	27	6	15	13.5	10	26	4	25	97

GN 417-D

Description	d1 Bore +0.03/+0.08 Pin h11	b1	b2	b3	b4 -0.2	d2	d3	h1	h2	h3	k1 ±0.05	k2	k3	k4	l1	l2	Spring load in N≈ initial	Spring load_in N≈ end	⚖
GN 417-4-D	4	22	16.5	6	3.3	14	6	7	4	10	14	4	8	4.5	4	13	3	12	10
GN 417-5-D	5	28	22	8	4.3	18	7.2	9.5	4.5	13.5	18	5	10	7	5	15.5	5	24	20
GN 417-6-D	6	32	27.5	10	5.4	24	9.5	10.5	5	15.5	21	5.5	12	10	6	21	5	21	35
GN 417-8-D	8	34	33	12	5.4	30	11.8	12.5	6	18.5	23	5.5	12	15.5	8	26	6	22	57
GN 417-10-D	10	39	35	14.5	6.5	30	11.8	14.5	6	21.75	27	6	15	13.5	10	26	4	25	81
GN 417-4-D-NI	4	22	16.5	6	3.3	14	6	7	4	10	14	4	8	4.5	4	13	3	12	13
GN 417-5-D-NI	5	28	22	8	4.3	18	7.2	9.5	4.5	13.5	18	5	10	7	5	15.5	5	24	24
GN 417-6-D-NI	6	32	27.5	10	5.4	24	9.5	10.5	5	15.5	21	5.5	12	10	6	21	5	21	42
GN 417-8-D-NI	8	34	33	12	5.4	30	11.8	12.5	6	18.5	23	5.5	12	15.5	8	26	6	22	66
GN 417-10-D-NI	10	39	35	14.5	6.5	30	11.8	14.5	6	21.75	27	6	15	13.5	10	26	4	25	90





GN 417-B

Description	d1 Bore +0.03/+0.08 Pin h11	b1	b2	b3	b4 -0.2	d2	h1	h2	h3	k1 ±0.05	k2	k3	k4	l1	l2	Spring load in N≅ initial	Spring load_in N≅ end	⚖
GN 417-4-B	4	22	16.5	6	3.3	12	7	4	10	14	4	8	4.5	4	10.5	3	12	11
GN 417-5-B	5	28	22	8	4.3	16	9.5	4.5	13.5	18	5	10	7	5	13	5	24	22
GN 417-6-B	6	32	27.5	10	5.4	18	10.5	5	15.5	21	5.5	12	10	6	15.5	5	21	39
GN 417-8-B	8	34	33	12	5.4	21	12.5	6	18.5	23	5.5	12	15.5	8	18	6	22	59
GN 417-10-B	10	39	35	14.5	6.5	25	14.5	6	21.75	27	6	15	13.5	10	22.5	4	25	88
GN 417-4-B-NI	4	22	16.5	6	3.3	12	7	4	10	14	4	8	4.5	4	10.5	3	12	12
GN 417-5-B-NI	5	28	22	8	4.3	16	9.5	4.5	13.5	18	5	10	7	5	13	5	24	24
GN 417-6-B-NI	6	32	27.5	10	5.4	18	10.5	5	15.5	21	5.5	12	10	6	15.5	5	21	41
GN 417-8-B-NI	8	34	33	12	5.4	21	12.5	6	18.5	23	5.5	12	15.5	8	18	6	22	65
GN 417-10-B-NI	10	39	35	14.5	6.5	25	14.5	6	21.75	27	6	15	13.5	10	22.5	4	25	106

GN 417-C

Description	d1 Bore +0.03/+0.08 Pin h11	b1	b2	b3	b4 -0.2	d2	h1	h2	h3	k1 ±0.05	k2	k3	k4	l1	l2	Spring load in N≅ initial	Spring load_in N≅ end	⚖
GN 417-4-C	4	22	19	6	3.3	12	7	4	10	14	4	8	7	4	10.5	3	12	10
GN 417-5-C	5	28	25.5	8	4.3	16	9.5	4.5	13.5	18	5	10	10.5	5	13	5	24	25
GN 417-6-C	6	32	30.5	10	5.4	18	10.5	5	15.5	21	5.5	12	13	6	15.5	5	21	41
GN 417-8-C	8	34	37.5	12	5.4	21	12.5	6	18.5	23	5.5	12	20	8	18	6	22	66
GN 417-10-C	10	39	40	14.5	6.5	25	14.5	6	21.75	27	6	15	18.5	10	22.5	4	25	90
GN 417-4-C-NI	4	22	25.5	6	3.3	12	7	4	10	14	4	8	7	4	10.5	3	12	13
GN 417-5-C-NI	5	28	30.5	8	4.3	16	9.5	4.5	13.5	18	5	10	10.5	5	13	5	24	28
GN 417-6-C-NI	6	32	37.5	10	5.4	18	10.5	5	15.5	21	5.5	12	13	6	15.5	5	21	45
GN 417-8-C-NI	8	34	33	12	5.4	21	12.5	6	18.5	23	5.5	12	20	8	18	6	22	74
GN 417-10-C-NI	10	39	40	14.5	6.5	25	14.5	6	21.75	27	6	15	18.5	10	22.5	4	25	92

