

Cam Action Indexing Plungers

Steel / Stainless Steel

SPECIFICATION

Types

- Type **A**: Without plastic cap, without lock nut
- Type **B**: With plastic cap, without lock nut
- Type **AK**: Without plastic cap, with lock nut
- Type **BK**: With plastic cap, with lock nut

Guide

- Steel, blackened
- Stainless steel AISI 303 **NI**

Plunger pin

- Steel nitrided
- Stainless steel AISI 303 for NI

Latch arm

- Steel sintered
- Stainless steel AISI 316LHC sintered for NI

Cap for type B / BK

Plastic, polyamide (PA)
Black, matte finish

Pressure spring

Stainless steel AISI 301



INFORMATION

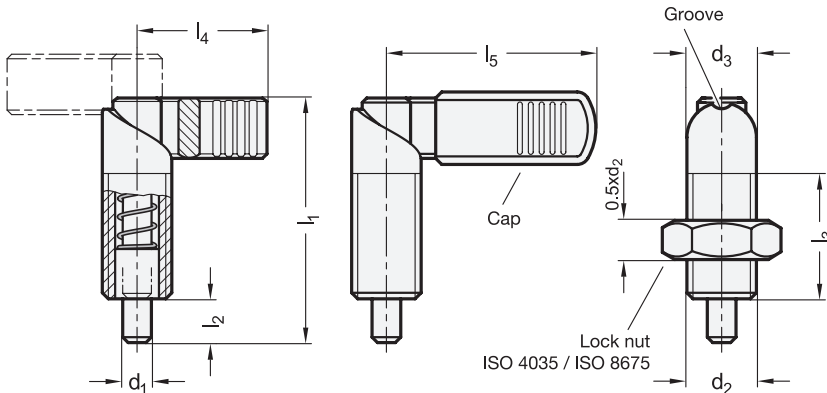
Cam action indexing plungers GN 612 are used in cases where the locking pin must not protrude all the time. By rotating the lock through 180° the locking pin withdraws itself. A groove is provided in either position to prevent the lock from rotating.

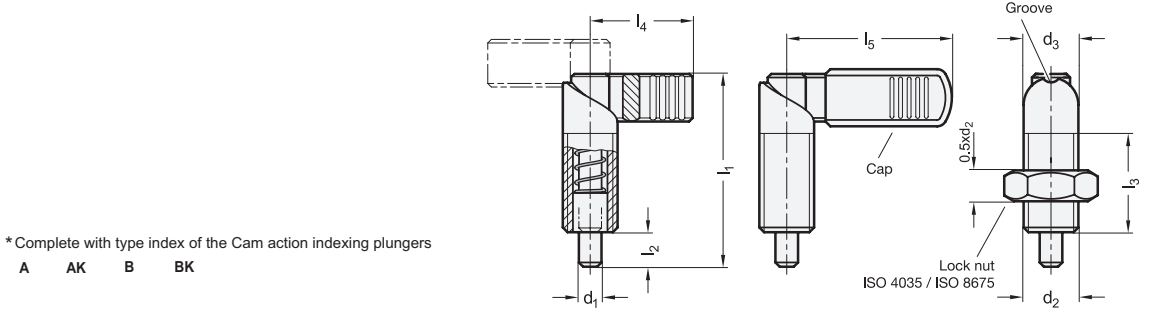
TECHNICAL INFORMATION

- Range of Cam Action Indexing Plungers (see page 816)
- Load Rating Information (see page A42)
- ISO-Fundamental Tolerances (see page A21)
- Stainless Steel Characteristics (see page A26)

ACCESSORY

- GN 412.1 Mounting Blocks (Zinc Die Casting) (see page 814)
- GN 612.1 Mounting Blocks (Steel / Stainless Steel) (see page 815)
- GN 412.2 / GN 412.4 Positioning Bushings (with Collar) (see page 813)
- GN 412.3 / GN 412.5 Positioning Bushings (with Ramping Cone) (see page 812)
- GN 909 / GN 909.5 Thin Hex Nuts (Fine Thread) (see page 809)
- ISO 4035 Thin Hex Nuts (Standard Thread) (see page)
- ISO 8675 Thin Hex Nuts (Fine Thread) (see page)





* Complete with type index of the Cam action indexing plungers
A AK B BK

GN 612-ST

Description	d1 Pin -0.02/-0.05 Bore H7	d2	d3	l1	l2	l3 +1.5	l4	l5	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 612-4-M10-*	4**	M 10	10	37.5	6	19	21	-	7	20	17
GN 612-4-M10x1-*	4**	M 10 x 1	10	37.5	6	19	21	-	7	20	17
GN 612-5-M10-*	5**	M 10	10	37.5	6	19	21	-	7	20	17
GN 612-5-M10x1-*	5**	M 10 x 1	10	37.5	6	19	21	-	7	20	18
GN 612-5-M12-*	5	M 12	12	47	8	26	26	32	8	18	28
GN 612-5-M12x1.5-*	5	M 12 x 1.5	12	47	8	26	26	32	8	18	28
GN 612-6-M10x1-*	6**	M 10 x 1	10	37.5	6	19	21	-	7	20	18
GN 612-6-M10-*	6**	M 10	10	37.5	6	19	21	-	7	20	18
GN 612-6-M12x1.5-*	6	M 12 x 1.5	12	47	8	26	26	32	8	18	29
GN 612-6-M12-*	6	M 12	12	47	8	26	26	32	8	18	30
GN 612-6-M16x1.5-*	6	M 16 x 1.5	16	56	10	30	32	42	11	29	57
GN 612-6-M16-*	6	M 16	16	56	10	30	32	42	11	29	59
GN 612-8-M12x1.5-*	8	M 12 x 1.5	12	47	8	26	26	32	8	18	30
GN 612-8-M12-*	8	M 12	12	47	8	26	26	32	8	18	29
GN 612-8-M16x1.5-*	8	M 16 x 1.5	16	56	10	30	32	42	11	29	59
GN 612-8-M16-*	8	M 16	16	56	10	30	32	42	11	29	61
GN 612-8-M20x1.5-*	8	M 20 x 1.5	20	69	12	36	37	52	21	57	111
GN 612-8-M20-*	8	M 20	20	69	12	36	37	52	21	57	115
GN 612-10-M16x1.5-*	10	M 16 x 1.5	16	56	10	30	32	42	11	29	60
GN 612-10-M16-*	10	M 16	16	56	10	30	32	42	11	29	61
GN 612-10-M20x1.5-*	10	M 20 x 1.5	20	69	12	36	37	52	21	57	114
GN 612-10-M20-*	10	M 20	20	69	12	36	37	52	21	57	121
GN 612-12-M20x1.5-*	12	M 20 x 1.5	20	69	12	36	37	52	21	57	100
GN 612-12-M20-*	12	M 20	20	69	12	36	37	52	21	57	120

GN 612-NI

STAINLESS STEEL

Description	d1 Pin -0.05/-0.08 Bore H7	d2	d3	l1	l2	l3 +1.5	l4	l5	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 612-4-M10-**-NI	4**	M 10	10	37.5	6	19	21	-	7	20	16
GN 612-4-M10x1-**-NI	4**	M 10 x 1	10	37.5	6	19	21	-	7	20	17
GN 612-5-M10-**-NI	5**	M 10	10	37.5	6	19	21	-	7	20	17
GN 612-5-M10x1-**-NI	5**	M 10 x 1	10	37.5	6	19	21	-	7	20	18
GN 612-5-M12-**-NI	5	M 12	12	47	8	26	26	32	8	18	28
GN 612-5-M12x1.5-**-NI	5	M 12 x 1.5	12	47	8	26	26	32	8	18	28
GN 612-6-M10x1-**-NI	6**	M 10 x 1	10	37.5	6	19	21	-	7	20	18
GN 612-6-M10-**-NI	6**	M 10	10	37.5	6	19	21	-	7	20	18
GN 612-6-M12x1.5-**-NI	6	M 12 x 1.5	12	47	8	26	26	32	8	18	29
GN 612-6-M12-**-NI	6	M 12	12	47	8	26	26	32	8	18	30
GN 612-6-M16x1.5-**-NI	6	M 16 x 1.5	16	56	10	30	32	42	11	29	57
GN 612-6-M16-**-NI	6	M 16	16	56	10	30	32	42	11	29	59
GN 612-8-M12x1.5-**-NI	8	M 12 x 1.5	12	47	8	26	26	32	8	18	30
GN 612-8-M12-**-NI	8	M 12	12	47	8	26	26	32	8	18	30
GN 612-8-M16x1.5-**-NI	8	M 16 x 1.5	16	56	10	30	32	42	11	29	58
GN 612-8-M16-**-NI	8	M 16	16	56	10	30	32	42	11	29	60
GN 612-8-M20x1.5-**-NI	8	M 20 x 1.5	20	69	12	36	37	52	21	57	121
GN 612-8-M20-**-NI	8	M 20	20	69	12	36	37	52	21	57	115
GN 612-10-M16x1.5-**-NI	10	M 16 x 1.5	16	56	10	30	32	42	11	29	64
GN 612-10-M16-**-NI	10	M 16	16	56	10	30	32	42	11	29	61
GN 612-10-M20x1.5-**-NI	10	M 20 x 1.5	20	69	12	36	37	52	21	57	120
GN 612-10-M20-**-NI	10	M 20	20	69	12	36	37	52	21	57	117
GN 612-12-M20x1.5-**-NI	12	M 20 x 1.5	20	69	12	36	37	52	21	57	130
GN 612-12-M20-**-NI	12	M 20	20	69	12	36	37	52	21	57	120

** These sizes are only available in Type A and Type AK.



Indexing elements