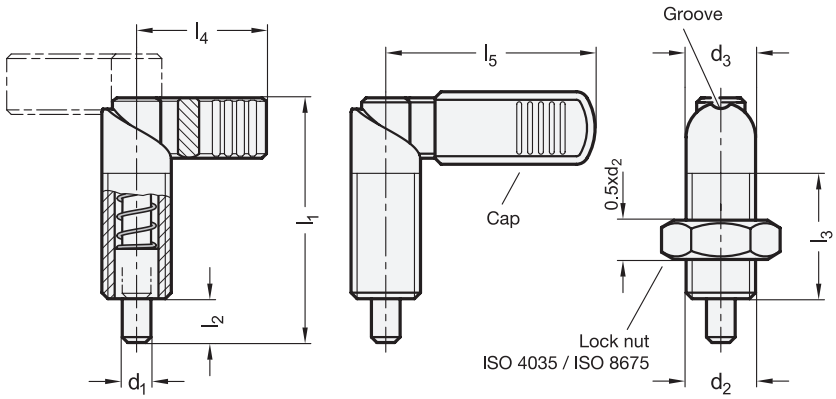
Cam Action Indexing Plungers

Steel / Stainless Steel



STAIN LESS *

3 Type

A Without plastic cap, without lock nut

B With plastic cap, without lock nut

AK Without plastic cap, with lock nut

BK With plastic cap, with lock nut

1 d_1 Steel Pin $^{-0,02}_{-0,05}$ Bore H7	d_1 Stainless Steel Pin $^{-0,05}_{-0,08}$ Bore H7	2 d_2		d_3	l_1	l_2	l_3 +1,5	l_4	l_5	Spring load in N ≈ Initial	End
4*	4*	M 10	M 10 x 1	10	37,5	6	19	21	-	7	20
5*	5*	M 10	M 10 x 1	10	37,5	6	19	21	-	7	20
5	5	M 12	M 12 x 1,5	12	47	8	26	26	32	8	18
6*	6*	M 10	M 10 x 1	10	37,5	6	19	21	-	7	20
6	6	M 12	M 12 x 1,5	12	47	8	26	26	32	8	18
6	6	M 16	M 16 x 1,5	16	56	10	30	32	42	11	29
8	8	M 12	M 12 x 1,5	12	47	8	26	26	32	8	18
8	8	M 16	M 16 x 1,5	16	56	10	30	32	42	11	29
8	8	M 20	M 20 x 1,5	20	69	12	36	37	52	21	57
10	10	M 16	M 16 x 1,5	16	56	10	30	32	42	11	29
10	10	M 20	M 20 x 1,5	20	69	12	36	37	52	21	57
12	12	M 20	M 20 x 1,5	20	69	12	36	37	52	21	57

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

Specification

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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

RoHS

Technical Information	Page
List of cam action indexing plunger types	QVX
Load Rating Information	QVX
ISO Fundamental Tolerances	QVX
Stainless Steel Characteristics	QVX

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.

Accessory	Page
GN 412.1 Mounting Blocks (Zinc Die Casting)	QVX
GN 612.1 Mounting Blocks (Steel / Stainless Steel)	QVX
GN 412.2 | GN 412.4 Positioning Bushings (with Collar)	QVX
GN 412.3 | GN 412.5 Positioning Bushings (with Ramping Cone)	QVX
GN 909 | GN 909.5 Thin Hex Nuts (Fine Thread)	QVX
ISO 4035 Thin Hex Nuts (Standard Thread)	QVX
ISO 8675 Thin Hex Nuts (Fine Thread)	QVX

How to order (Steel)

1 2 3
GN 612-10-M16x1,5-AK

1	d_1
2	d_2
3	Type

How to order (Stainless steel)

1 2 3 4
GN 612-12-M20x1,5-B-NI

1	d_1
2	d_2
3	Type
4	Material