

GN 612

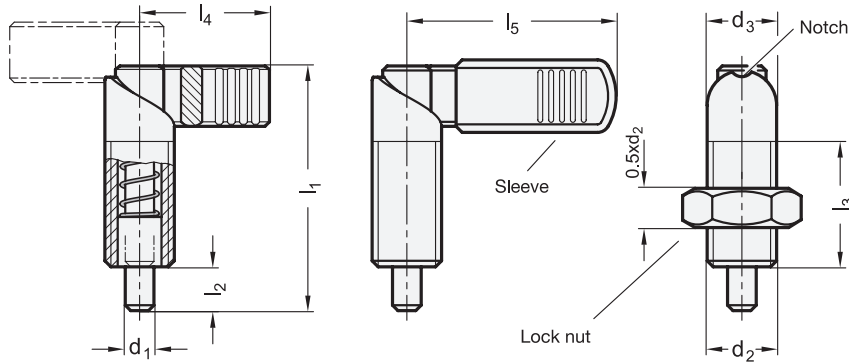
Steel / Stainless Steel

Cam Action Indexing Plungers

Lock-Out



JWWINCO
A Ganter Company



Inch | Metric



SS

Stainless Steel

3 Type

- A** Without plastic sleeve, without lock nut
- AK** Without plastic sleeve, with lock nut
- B** With plastic sleeve, without lock nut
- BK** With plastic sleeve, with lock nut

Specification

- Threaded body / plunger pin / lever arm
 - Steel, blackened finish
 - Plunger pin nitrided
 - Stainless steel AISI 303 (only available in metric sizes)
- Spring
 - Stainless steel AISI 301
- Sleeve
 - Plastic
 - Technopolymer (Polyamide PA)
 - Temperature resistant up to 230 °F (110 °C)
 - Black, matte finish
- Inch size lock nut
 - Steel, blackened finish
 - ANSI/ASME B18.2.2
- Metric size lock nut
 - Steel, blackened finish
 - DIN 439 B / ISO 8675
 - Stainless steel (A2)
 - DIN 439 B / ISO 8675
- [Load Rating Information](#) → page 2103
- [ISO Fundamental Tolerances](#) → page 2129
- [Plastic Characteristics](#) → page 2135
- [Stainless Steel Characteristics](#) → page 2143
- [RoHS compliant](#)



Information

GN 612 cam action indexing plungers are best utilized in applications where the pin may need to be retracted periodically. By rotating the lever arm 180° the plunger pin is withdrawn. The notch allows for safe positioning while the plunger pin is held in the retracted position.

The grooved lever arm provides the user with a better grip when operating the mechanism. In addition, the snap-on plastic ribbed sleeve offers a more aesthetically pleasing and comfortable finger grip.

see also...

- [List of Cam Action Indexing Plungers Types](#) → page 1001
- [Mounting Blocks GN 412.1](#) → page 998
- [Mounting Blocks GN 612.1](#) → page 999

How to order (Inch, steel)

GN612-10-3/4X16-AK

- 1 Pin diameter d₁
- 2 Thread d₂
- 3 Type

How to order (Metric, stainless steel)

GN612-12-M20x1.5-B-NI

- 1 Pin diameter d₁
- 2 Thread d₂
- 3 Type
- 4 Material

Inch table

Dimensions in: inches - millimeters

1 d ₁ Pin -0.001 Bore $+0.001$	2 d ₂ Thread	d ₃	l ₁	l ₂	l ₃ +0.06	l ₄	l ₅	Spring load ≈	
								Initial	End
0.24 6	5/8 x 18	0.63 16	2.20 56	0.39 10	1.18 30	1.26 32	1.65 42	2.47 lbf 11 N	6.52 lbf 29 N
0.31 8	5/8 x 18	0.63 16	2.20 56	0.39 10	1.18 30	1.26 32	1.65 42	2.47 lbf 11 N	6.52 lbf 29 N
0.31 8	3/4 x 16	0.79 20	2.72 69	0.47 12	1.42 36	1.46 37	2.05 52	4.72 lbf 21 N	12.81 lbf 57 N
0.39 10	5/8 x 18	0.63 16	2.20 56	0.39 10	1.18 30	1.26 32	1.65 42	2.47 lbf 11 N	6.52 lbf 29 N
0.39 10	3/4 x 16	0.79 20	2.72 69	0.47 12	1.42 36	1.46 37	2.05 52	4.72 lbf 21 N	12.81 lbf 57 N
0.47 12	3/4 x 16	0.79 20	2.72 69	0.47 12	1.42 36	1.46 37	2.05 52	4.72 lbf 21 N	12.81 lbf 57 N

Metric table

Dimensions in: millimeters - inches

1 d ₁ Steel pin -0.02 Stainless steel pin -0.06 Bore H7	2 d ₂ Thread	d ₃	l ₁	l ₂	l ₃ +1.5	l ₄	l ₅	Spring load ≈		
								Initial	End	
4* 0.16	M 10	M 10 x 1	10 0.39	37.5 1.48	6 0.24	19 0.75	21 0.83	-	7 N 1.57 lbf	20 N 4.50 lbf
5* 0.20	M 10	M 10 x 1	10 0.39	37.5 1.48	6 0.24	19 0.75	21 0.83	-	7 N 1.57 lbf	20 N 4.50 lbf
5 0.20	M 12	M 12 x 1.5	12 0.47	47 1.85	8 0.31	26 1.02	26 1.02	32 1.26	8 N 1.80 lbf	18 N 4.05 lbf
6* 0.24	M 10	M 10 x 1	10 0.39	37.5 1.48	6 0.24	19 0.75	21 0.83	-	7 N 1.57 lbf	20 N 4.50 lbf
6 0.24	M 12	M 12 x 1.5	12 0.47	47 1.85	8 0.31	26 1.02	26 1.02	32 1.26	8 N 1.80 lbf	18 N 4.05 lbf
6 0.24	M 16	M 16 x 1.5	16 0.63	56 2.20	10 0.39	30 1.18	32 1.26	42 1.65	11 N 2.47 lbf	29 N 6.52 lbf
8 0.31	M 12	M 12 x 1.5	12 0.47	47 1.85	8 0.31	26 1.02	26 1.02	32 1.26	8 N 1.80 lbf	18 N 4.05 lbf
8 0.31	M 16	M 16 x 1.5	16 0.63	56 2.20	10 0.39	30 1.18	32 1.26	42 1.65	11 N 2.47 lbf	29 N 6.52 lbf
8 0.31	M 20	M 20 x 1.5	20 0.79	69 2.72	12 0.47	36 1.42	37 1.46	52 2.05	21 N 4.72 lbf	57 N 12.81 lbf
10 0.39	M 16	M 16 x 1.5	16 0.63	56 2.20	10 0.39	30 1.18	32 1.26	42 1.65	11 N 2.47 lbf	29 N 6.52 lbf
10 0.39	M 20	M 20 x 1.5	20 0.79	69 2.72	12 0.47	36 1.42	37 1.46	52 2.05	21 N 4.72 lbf	57 N 12.81 lbf
12 0.47	M 20	M 20 x 1.5	20 0.79	69 2.72	12 0.47	36 1.42	37 1.46	52 2.05	21 N 4.72 lbf	57 N 12.81 lbf

* These sizes are only available in Type A and AK

3.1

3.2

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