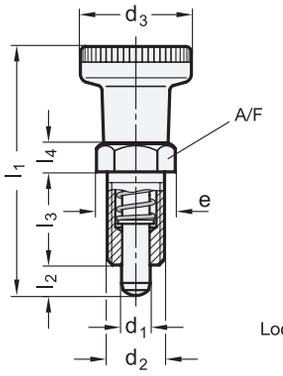
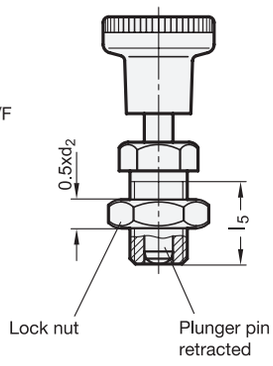
Inch | Metric

SS Stainless Steel

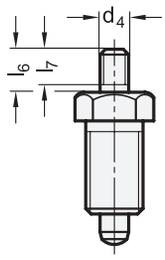
Type **A**



Type **AK**



Type **G**



3	Type
A	With plastic knob, without lock nut
AK	With plastic knob, with lock nut
AN	With stainless steel knob, without lock nut
AKN	With stainless steel knob, with lock nut
G	With threaded stem, without lock nut
GK	With threaded stem, with lock nut

Specification

4

- Threaded body
  - Steel, blackened finish — Plunger pin hardened
  - Stainless steel AISI 303 — **NI** — Plunger pin chemically nickel plated
- Knob (Type A / AK)
  Plastic
  Technopolymer (Polyamide PA)
  - Temperature resistant up to 230 °F (110 °C)
  - Black, matte finish
  - Not removable
- Knob (Type AN / AKN)
  Stainless steel AISI 303
  Not removable
- Inch size lock nut
  - Steel, blackened finish
    ANSI/ASME B18.2.2
  - 18-8 Stainless steel (A2)
- 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 617 indexing plungers are standard components used for a wide range of indexing applications.

Type G and GK with threaded stem are for applications where a special knob or attachment is required, or for such cases where the spindle is linked directly to an operating mechanism.

The indexing plungers completely made of stainless steel parts are a good choice for use in corrosion free environments.

see also...
- *List of Indexing Plunger Types* → *page 915*
- *Mounting Blocks GN 412.1* → *page 998*
- *Locating Bushings GN 412.2 / GN 412.4* → *page 996*
- *Spacer Bushings GN 609.5 (to Limit the Thread Length)* → *page 994*

How to order (Inch, steel, with plastic knob)

1 2 3
GN 617-5-3/8X24-A

1	Pin diameter d_1
2	Thread d_2
3	Type

How to order (Inch, stainless steel, with plastic knob)

1 2 3 4
GN 617-6-1/2X13-AK-NI

1	Pin diameter d_1
2	Thread d_2
3	Type
4	Material

How to order (Metric, stainless steel, with stainless steel knob)

1 2 3 4
GN 617-8-M16X1.5-AKN-NI

1	Pin diameter d_1
2	Thread d_2
3	Type
4	Material

Inch table

[1] [2]

Dimensions in: inches - *millimeters*

d_1 Pin $^{-0.001}_{-0.002}$ Bore +0.001	d_2	d_3	d_4	e	l_1 ≈	l_2	l_3	l_4	l_5 min.	l_6	l_7	A/F (millimeter)	Spring load ≈ Steel Initial	Steel End	Stainless steel Initial	Stainless steel End
0.197 *5*	3/8 x 24	0.83 *21*	M 5	0.54 *13.8*	1.77 *45*	0.20 *5*	0.67 *17*	0.20 *5*	0.59 *15*	0.24 *6*	0.18 *4.5*	0.47 *12*	1.57 lbf *7 N*	3.82 lbf *17 N*	1.35 lbf *6 N*	3.37 lbf *15 N*
0.236 *6*	1/2 x 13	0.98 *25*	M 6	0.64 *16.2*	2.15 *54.5*	0.24 *6*	0.79 *20*	0.24 *6*	0.67 *17*	0.39 *10*	0.31 *8*	0.55 *14*	2.02 lbf *9 N*	5.40 lbf *24 N*	1.80 lbf *8 N*	4.72 lbf *21 N*
0.315 *8*	5/8 x 11	1.22 *31*	M 8	0.86 *21.9*	2.72 *69*	0.31 *8*	1.02 *26*	0.31 *8*	0.83 *21*	0.47 *12*	0.39 *10*	0.75 *19*	2.47 lbf *11 N*	6.74 lbf *30 N*	2.02 lbf *9 N*	5.85 lbf *26 N*

Metric table

[1] [2]

Dimensions in: millimeters - *inches*

d_1 Pin $^{-0.02}_{-0.05}$ Bore H7	d_2	d_3	d_4	e	l_1 ≈	l_2	l_3	l_4	l_5 min.	l_6	l_7	A/F	Spring load ≈ Steel Initial	Steel End	Stainless steel Initial	Stainless steel End
5 *0.197*	M 10 x 1	21 *0.83*	M 5	13.8 *0.54*	45 *1.77*	5 *0.20*	17 *0.67*	5 *0.20*	15 *0.59*	6 *0.24*	4.5 *0.18*	12 *0.47*	7 N *1.57 lbf*	17 N *3.82 lbf*	6 N *1.35 lbf*	15 N *3.37 lbf*
6 *0.236*	M 12 x 1.5	25 *0.98*	M 6	16.2 *0.64*	54.5 *2.15*	6 *0.24*	20 *0.79*	6 *0.24*	17 *0.67*	10 *0.39*	8 *0.31*	14 *0.55*	9 N *2.02 lbf*	24 N *5.40 lbf*	8 N *1.80 lbf*	21 N *4.72 lbf*
8 *0.315*	M 16 x 1.5	31 *1.22*	M 8	21.9 *0.86*	69 *2.72*	8 *0.31*	26 *1.02*	8 *0.31*	23 *0.91*	12 *0.47*	10 *0.39*	19 *0.75*	11 N *2.47 lbf*	30 N *6.74 lbf*	9 N *2.02 lbf*	26 N *5.85 lbf*
10 *0.394*	M 20 x 1.5	31 *1.22*	M 8	25.4 *1.00*	80 *3.15*	10 *0.39*	33 *1.30*	10 *0.39*	30 *1.18*	12 *0.47*	12 *0.47*	22 *0.87*	19 N *4.27 lbf*	45 N *10.12 lbf*	17 N *3.82 lbf*	40 N *8.99 lbf*