



SS Stainless Steel

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



- Threaded body
Steel, blackened finish
Plunger pin hardened —
- Threaded body
Stainless steel **NI**
European Standard No. 1.4305 (AISI 303)
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
European Standard No. 1.4305 (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
- 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*
- *Mounting Blocks GN 412.1*
- *Locating Bushings GN 412.2 / GN 412.4*
- *Spacer Bushings GN 609.5 (to Limit the Thread Length)*

How to order (Inch, steel, with plastic knob)	1 Pin diameter d_1
GN617-5-3/8X24-A	2 Thread d_2
	3 Type

How to order (Inch, stainless steel, with plastic knob)	1 Pin diameter d_1
GN617-6-1/2X13-AK-NI	2 Thread d_2
	3 Type
	4 Material

How to order (Metric, stainless steel, with stainless steel knob)	1 Pin diameter d_1
GN617-8-M16X1.5-AKN-NI	2 Thread d_2
	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	d ₄ Thread	e	l ₁ ≈	l ₂	l ₃	l ₄	l ₅ min.	l ₆	l ₇	A/F	Spring load ≈			
													Steel		Stainless steel	
													Initial	End	Initial	End
.20 5	3/8 x 24	.83 21	M 5	.54 13.8	1.77 45	.20 5	.67 17	.20 5	.59 15	.24 6	.18 4.5	.47 12	1.57 lbf 7 N	3.82 lbf 17 N	1.35 lbf 6 N	3.37 lbf 15 N
.24 6	1/2 x 13	.98 25	M 6	.64 16.2	2.15 54.5	.24 6	.79 20	.24 6	.67 17	.39 10	.31 8	.55 14	2.02 lbf 9 N	5.40 lbf 24 N	1.80 lbf 8 N	4.72 lbf 21 N
.31 8	5/8 x 11	1.22 31	M 8	.86 21.9	2.72 69	.31 8	1.02 26	.31 8	.83 21	.47 12	.39 10	.75 19	2.47 lbf 11 N	6.74 lbf 30 N	2.02 lbf 9 N	5.85 lbf 26 N

Metric table

Dimensions in: millimeters - inches

1 d ₁ Pin -0.02 Bore H7	2 d ₂ Thread	d ₃	d ₄ Thread	e	l ₁ ≈	l ₂	l ₃	l ₄	l ₅ min.	l ₆	l ₇	A/F	Spring load ≈			
													Steel		Stainless steel	
													Initial	End	Initial	End
5 .20	M 10 x 1	21 .83	M 5	13.8 .54	45 1.77	5 .20	17 .67	5 .20	15 .59	6 .24	4.5 .18	12 .47	7 N 1.57 lbf	17 N 3.82 lbf	6 N 1.35 lbf	15 N 3.37 lbf
6 .24	M 12 x 1.5	25 .98	M 6	16.2 .64	54.5 2.15	6 .24	20 .79	6 .24	17 .67	10 .39	8 .31	14 .55	9 N 2.02 lbf	24 N 5.40 lbf	8 N 1.80 lbf	21 N 4.72 lbf
8 .31	M 16 x 1.5	31 1.22	M 8	21.9 .86	69 2.72	8 .31	26 1.02	8 .31	23 .91	12 .47	10 .39	19 .75	11 N 2.47 lbf	30 N 6.74 lbf	9 N 2.02 lbf	26 N 5.85 lbf
10 .39	M 20 x 1.5	31 1.22	M 8	25.4 1.00	80 3.15	10 .39	33 1.30	10 .39	30 1.18	12 .47	12 .47	22 .87	19 N 4.27 lbf	45 N 10.12 lbf	17 N 3.82 lbf	40 N 8.99 lbf

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9

