



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 <sub>1</sub>
<b>GN617-5-3/8X24-A</b>	2 Thread d <sub>2</sub>
	3 Type

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

How to order (Metric, stainless steel, with stainless steel knob)	1 Pin diameter d <sub>1</sub>
<b>GN617-8-M16X1.5-AKN-NI</b>	2 Thread d <sub>2</sub>
	3 Type
	4 Material

**Inch table**

Dimensions in: inches - millimeters

1 d <sub>1</sub> Pin -0.001 Bore +0.001	2 d <sub>2</sub> Thread	d <sub>3</sub>	d <sub>4</sub> Thread	e	l <sub>1</sub> ≈	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub> min.	l <sub>6</sub>	l <sub>7</sub>	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 <sub>1</sub> Pin -0.02 Bore H7	2 d <sub>2</sub> Thread	d <sub>3</sub>	d <sub>4</sub> Thread	e	l <sub>1</sub> ≈	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub> min.	l <sub>6</sub>	l <sub>7</sub>	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

