



**SS** Stainless Steel  
**3** Type

- B** Non lock-out, plastic knob
- BN** Non lock-out, stainless steel knob (only available in metric sizes)
- C** Lock-out, plastic knob
- CN** Lock-out, stainless steel knob (only available in metric sizes)

**Specification**

- Threaded body / plunger pin  
Stainless steel AISI 303
- Spring  
Stainless steel AISI 301
- Knob Type B / C  
Plastic  
Technopolymer (Polyamide PA)  
- Temperature resistant up to 230 °F (110 °C)  
- Black, matte finish  
- Not removable
- Knob Type BN / CN  
(only available in metric sizes)  
Stainless steel AISI CF-8  
- Matte shot-blasted finish  
- Not removable
- Load Rating Information → page 2103
- ISO Fundamental Tolerances → page 2129
- Plastic Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

**Accessory**

- Thin hex nuts GN 909.5 → page 995

**On request**

- With red knob

**Information**

GN 822.7 mini indexing plungers feature small, compact dimensions.

Based on the principle of the GN 822 mini indexing plungers, this model combines their clever type of construction with a complete series of all current sizes of bolts and threads. They provide a reasonably priced alternative to the GN 607 / GN 607.1 indexing plungers of the appropriate sizes.

Plungers are inserted into position by holding them by the knurled knob. The wrench flats on the lock nut are exposed when the pin is retracted, so that the plunger can be easily tightened by means of an open-end wrench.

Type C / CN offers a lock-out position for applications that require the plunger pin to be retracted for an extended period of time. After retracting the plunger pin, turn the knob 30 degrees, release the knob and it will stay in the retracted position via the indexing lock. In the rest position, the lock-out mechanism is completely concealed by the knob.

GN 909.5 thin hex nuts are to be ordered separately.

see also...

- List of Indexing Plunger Types → page 915
- Spacer Bushings GN 609.5 (to Limit the Thread Length) → page 994
- Locating Bushings GN 412.2 / GN 412.4 → page 996

How to order (Inch)	1 Pin diameter d <sub>1</sub>
<b>GN 822.7-0.249-1/2X20-B</b>	2 Thread d <sub>2</sub>
	3 Type

How to order (Metric)	1 Pin diameter d <sub>1</sub>
<b>GN 822.7-6-M12x1.5-CN</b>	2 Thread d <sub>2</sub>
	3 Type

**Inch table**

Dimensions in: inches - millimeters

1 d <sub>1</sub> Pin -0.002 Bore +0.001 +0.003	2 d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub> min.	l <sub>3</sub>	k	A/F	Spring load ≈	
									Initial	End
0.155 3.9	5/16 x 24	0.83 21.1	0.59 15.0	1.08 27.4	0.20 5.1	0.24 6.1	0.65 16.5	0.39 9.9	0.90 lbf 4 N	2.70 lbf 12 N
0.186 4.7	3/8 x 24	0.98 24.9	0.71 18.0	1.34 34.0	0.24 6.1	0.31 7.9	0.79 20.1	0.47 11.9	1.35 lbf 6 N	3.60 lbf 16 N
0.249 6.3	1/2 x 20	1.10 27.9	0.79 20.1	1.59 40.4	0.28 7.1	0.39 9.9	0.93 23.6	0.55 14.0	2.25 lbf 10 N	5.17 lbf 23 N
0.311 7.9	5/8 x 18	1.30 33.0	0.91 23.1	1.87 47.5	0.39 9.9	0.47 11.9	1.00 25.4	0.67 17.0	2.47 lbf 11 N	7.87 lbf 35 N

**Metric table**

Dimensions in: millimeters - inches

1 d <sub>1</sub> Pin h9 Bore +0.03 +0.08	2 d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub> min.	l <sub>3</sub>	k	A/F	Spring load ≈		
									Initial	End	
4 0.16	M 8	M 8 x 1	21 0.83	15 0.59	27.5 1.08	5 0.20	6 0.24	16.5 0.65	10 0.39	4 N 0.90 lbf	12 N 2.70 lbf
5 0.20	M 10	M 10 x 1	25 0.98	18 0.71	34 1.34	6 0.24	8 0.31	20 0.79	12 0.47	6 N 1.35 lbf	16 N 3.60 lbf
6 0.24	M 10	M 10 x 1	25 0.98	18 0.71	34 1.34	6 0.24	8 0.31	20 0.79	12 0.47	6 N 1.35 lbf	16 N 3.60 lbf
6 0.24	M 12	M 12 x 1.5	28 1.10	20 0.79	40.5 1.59	7 0.28	10 0.39	23.5 0.93	14 0.55	10 N 2.25 lbf	23 N 5.17 lbf
7 0.28	M 12	M 12 x 1.5	28 1.10	20 0.79	40.5 1.59	7 0.28	10 0.39	23.5 0.93	14 0.55	10 N 2.25 lbf	23 N 5.17 lbf
8 0.31	M 16	M 16 x 1.5	33 1.30	23 0.91	47.5 1.87	10 0.39	12 0.47	25.5 1.00	17 0.67	11 N 2.47 lbf	35 N 7.87 lbf
10 0.39	M 16	M 16 x 1.5	33 1.30	23 0.91	47.5 1.87	10 0.39	12 0.47	25.5 1.00	17 0.67	11 N 2.47 lbf	35 N 7.87 lbf

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10

