



SS Stainless Steel

3 Type

- B** Non lock-out, without lock nut
- BK** Non lock-out, with lock nut
- C** Lock-out, without lock nut
- CK** Lock-out, with lock nut

Specification



- Threaded body
 - Steel, zinc plated, blue passivated finish **ST**
 - Stainless steel AISI 303 **NI**
- Plunger pin
 - Stainless steel AISI 303
- Spring
 - Stainless steel AISI 301
- Knob
 - Plastic
 - Technopolymer (Polyamide PA)
 - Temperature resistant up to 230 °F (110 °C)
 - Black, matte finish
 - Not removable
- Inch size lock nut
 - Steel, zinc plated, blue passivated finish
ANSI/ASME B18.2.2
 - 18-8 Stainless steel (A2)
- Metric size lock nut
 - Steel, zinc plated, blue passivated finish
DIN 439 B / ISO 4035 / ISO 8675
 - Stainless steel (A2)
DIN 439 B / ISO 4035 / ISO 8675
- [Load Rating Information](#) → page 2103
- [Plastic Characteristics](#) → page 2135
- [Stainless Steel Characteristics](#) → page 2143
- [RoHS compliant](#)

Information

GN 717 indexing plungers are characterized by small dimensions. These indexing plungers are universally suitable due to their prevention of misalignments and positioning errors of mating indexing bores.

Lock-out types C / CK are used for applications where the plunger pin needs to stay in its retracted position. To achieve this, the knob is rotated by 90 degrees after being retracted. A notch keeps the plunger in the retracted position.

During assembly, the maximum tightening torques shown in the table should not be exceeded when securing the lock nut.

see also...

- [List of Indexing Plunger Types](#) → page 915
- [Spacer Bushings GN 609.5 \(to Limit the Thread Length\)](#) → page 994

How to order (Inch)	1 Pin diameter d ₁
1 2 3 4	2 Thread d ₂
GN 717-5-3/8X16-C-ST	3 Type
	4 Material

How to order (Metric)	1 Pin diameter d ₁
1 2 3 4	2 Thread d ₂
GN 717-8-M12-BK-NI	3 Type
	4 Material

Inch table

Dimensions in: inches - millimeters

1 d ₁ Pin -0.002 Bore +0.001 -0.003	2 d ₂ Thread	d ₄	e	l ₁	l ₂	l ₃	l ₄	l ₅ min.	l ₆	l ₇	A/F	Max. tightening torque in Nm	Spring load ≈	
													Initial	End
0.20 5	3/8 x 16	0.71 18	0.45 11.5	1.67 42.5	0.20 5	0.63 16	0.24 6	0.53 13.5	1.81 46	0.37 9.5	0.39 10	22	1.12 lbf 5 N	5.40 lbf 24 N
0.24 6	1/2 x 13	0.83 21	0.54 13.8	2.05 52	0.24 6	0.79 20	0.30 7.5	0.65 16.5	2.17 55	0.41 10.5	0.47 12	38	1.12 lbf 5 N	4.72 lbf 21 N
0.31 8	5/8 x 11	0.98 25	0.77 19.6	2.50 63.5	0.31 8	0.94 24	0.35 9	0.81 20.5	2.68 68	0.53 13.5	0.67 17	80	1.35 lbf 6 N	4.95 lbf 22 N
0.39 10	5/8 x 11	0.98 25	0.77 19.6	2.66 67.5	0.39 10	1.02 26	0.35 9	0.89 22.5	2.85 72.5	0.55 14	0.67 17	80	0.90 lbf 4 N	6.07 lbf 27 N

Metric table

Dimensions in: millimeters - inches

1 d ₁ Pin -0.05 Bore +0.03 -0.08	2 d ₂ Thread	d ₄	e	l ₁	l ₂	l ₃	l ₄	l ₅ min.	l ₆	l ₇	A/F	Max. tightening torque in Nm	Spring load ≈	
													Initial	End
3 0.12	M 6	12 0.47	6.9 0.27	30 1.18	3.5 0.14	12 0.47	4.5 0.18	10 0.39	32.5 1.28	7 0.28	6 0.24	2	3 N 0.67 lbf	12 N 2.70 lbf
3 0.12	M 6 x 0.75	12 0.47	6.9 0.27	30 1.18	3.5 0.14	12 0.47	4.5 0.18	10 0.39	32.5 1.28	7 0.28	6 0.24	3	3 N 0.67 lbf	12 N 2.70 lbf
4 0.16	M 6	12 0.47	6.9 0.27	30.5 1.20	4 0.16	12 0.47	4.5 0.18	10 0.39	33 1.30	7 0.28	6 0.24	2	3 N 0.67 lbf	12 N 2.70 lbf
4 0.16	M 8 x 1	16 0.63	9.2 0.36	39.5 1.56	4.5 0.18	16 0.63	6 0.24	13.5 0.53	43 1.69	9.5 0.37	8 0.31	8	5 N 1.12 lbf	24 N 5.40 lbf
5 0.20	M 8	16 0.63	9.2 0.36	40 1.57	5 0.20	16 0.63	6 0.24	13.5 0.53	43.5 1.71	9.5 0.37	8 0.31	7	5 N 1.12 lbf	24 N 5.40 lbf
5 0.20	M 8 x 1	16 0.63	9.2 0.36	40 1.57	5 0.20	16 0.63	6 0.24	13.5 0.53	43.5 1.71	9.5 0.37	8 0.31	7	5 N 1.12 lbf	24 N 5.40 lbf
5 0.20	M 10 x 1	18 0.71	11.5 0.45	42.5 1.67	5 0.20	16 0.63	6 0.24	13.5 0.53	46 1.81	9.5 0.37	10 0.39	22	5 N 1.12 lbf	24 N 5.40 lbf
6 0.24	M 10	18 0.71	11.5 0.45	49 1.93	6 0.24	20 0.79	7.5 0.30	17 0.67	52 2.05	10.5 0.41	10 0.39	15	5 N 1.12 lbf	21 N 4.72 lbf
6 0.24	M 12 x 1.5	21 0.83	13.8 0.54	52 2.05	6 0.24	20 0.79	7.5 0.30	16.5 0.65	55 2.17	10.5 0.41	12 0.47	38	5 N 1.12 lbf	21 N 4.72 lbf
8 0.31	M 12	21 0.83	13.8 0.54	59 2.32	8 0.31	24 0.94	9 0.35	20.5 0.81	63.5 2.50	13.5 0.53	12 0.47	20	6 N 1.35 lbf	22 N 4.95 lbf
8 0.31	M 12 x 1.5	21 0.83	13.8 0.54	59 2.32	8 0.31	24 0.94	9 0.35	20.5 0.81	63.5 2.50	13.5 0.53	12 0.47	20	6 N 1.35 lbf	22 N 4.95 lbf
8 0.31	M 16 x 1.5	25 0.98	19.6 0.77	63.5 2.50	8 0.31	24 0.94	9 0.35	20.5 0.81	68 2.68	13.5 0.53	0.67 17	80	6 N 1.35 lbf	22 N 4.95 lbf
10 0.39	M 16 x 1.5	25 0.98	19.6 0.77	67.5 2.66	10 0.39	26 1.02	9 0.35	22.5 0.89	72.5 2.85	14 0.55	0.67 17	80	4 N 0.90 lbf	27 N 6.07 lbf

3.1
3.2
3.3
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