



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 | 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 | 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 |