



SS Stainless Steel

4 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
- G** With threaded stem, without lock nut
- GK** With threaded stem, with lock nut

Specification

- Threaded body
 - Steel, blackened finish —
 - Plunger pin hardened —
 - Stainless steel **NI**
 - European Standard No. 1.4305 (AISI 303)
 - Plunger pin chemically nickel plated (only available in metric sizes)
- Knob
 - Plastic
 - Technopolymer (Polyamide PA)
 - Temperature resistant up to 230 °F (110 °C)
 - Black, matte finish —
 - Red, RAL 3000, matte finish **RT**
 - Not removable
- Inch size lock nut
 - Steel, blackened finish
 - ANSI/ASME B18.2.2
- Metric size lock nut
 - Steel, blackened finish
 - DIN 439 B / ISO 8675
 - Stainless steel (A2)
 - DIN 439 B / ISO 8675
- RoHS compliant

Information

GN 817 indexing plungers with lock-out (Type 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.

This indexing plunger has the unique feature of the pull knob partially enclosing the top of the plunger body, allowing less debris to enter into the mechanism.

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.

see also...

- *List of Indexing Plunger Types*

| | |
|--|----------------------|
| How to order (Inch, steel, black knob) | 1 Pin diameter d_1 |
| 1 2 3 4 | 2 Stroke l_1 |
| GN817-4-6-5/16X18-C | 3 Thread d_2 |
| | 4 Type |

| | |
|---|----------------------|
| How to order (Metric, stainless steel, red knob) | 1 Pin diameter d_1 |
| 1 2 3 4 5 6 | 2 Stroke l_1 |
| GN817-10-12-M16X1.5-BK-NI-RT | 3 Thread d_2 |
| | 4 Type |
| | 5 Material |
| | 6 Color |

Inch table

Dimensions in: inches - millimeters

| 1 d ₁ Pin -0.001 Bore +0.001 | 2 l ₁ | 3 d ₂ Thread | d ₃ | d ₄ Thread | d ₅ | k | l ₂ | l ₃ | l ₄ | l ₅ | l ₆ | A/F | Spring load ≈ | |
|---|---------------------|-------------------------------|----------------|--------------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|------------|--------------------|--------------------|
| | | | | | | | | | | | | | Initial | End |
| .16 4 | .16 4 | 5/16 x 18 | .63 16 | M 3 | .28 7 | .55 14 | 1.38 35 | .63 16 | .20 5 | .18 4.5 | .10 2.5 | .39 10 | 1.01 lbf 4.5 N | 2.70 lbf 12 N |
| .16 4 | .24 6 | 5/16 x 18 | .63 16 | M 3 | .28 7 | .55 14 | 1.38 35 | .63 16 | .20 5 | .18 4.5 | .10 2.5 | .39 10 | .90 lbf 4 N | 2.81 lbf 12.5 N |
| .20 5 | .20 5 | 3/8 x 16 | .75 19 | M 4 | .31 8 | .63 16 | 1.57 40 | .71 18 | .24 6 | .22 5.5 | .12 3 | .47 12 | 1.12 lbf 5 N | 3.37 lbf 15 N |
| .20 5 | .31 8 | 3/8 x 16 | .75 19 | M 4 | .31 8 | .63 16 | 1.57 40 | .71 18 | .24 6 | .22 5.5 | .12 3 | .47 12 | 1.12 lbf 5 N | 4.05 lbf 18 N |
| .24 6 | .24 6 | 1/2 x 13 | .91 23 | M 5 | .35 9 | .79 20 | 1.89 48 | .87 22 | .24 6 | .28 7 | .14 3.5 | .55 14 | 1.46 lbf 6.5 N | 4.27 lbf 19 N |
| .24 6 | .35 9 | 1/2 x 13 | .91 23 | M 5 | .35 9 | .79 20 | 1.89 48 | .87 22 | .24 6 | .28 7 | .14 3.5 | .55 14 | 1.35 lbf 6 N | 5.62 lbf 25 N |
| .31 8 | .31 8 | 5/8 x 11 | 1.10 28 | M 6 | .39 10 | .94 24 | 2.28 58 | 1.02 26 | .31 8 | .33 8.5 | .16 4 | .67 17 | 1.91 lbf 8.5 N | 5.85 lbf 26 N |
| .31 8 | .47 12 | 5/8 x 11 | 1.10 28 | M 6 | .39 10 | .94 24 | 2.28 58 | 1.02 26 | .31 8 | .33 8.5 | .16 4 | .67 17 | 1.91 lbf 8.5 N | 6.29 lbf 28 N |
| .39 10 | .47 12 | 5/8 x 11 | 1.10 28 | M 6 | .39 10 | .94 24 | 2.28 58 | 1.02 26 | .31 8 | .33 8.5 | .16 4 | .67 17 | 2.14 lbf 9.5 N | 8.54 lbf 38 N |
| .47 12 | .59 15 | 3/4 x 16 | 1.30 33 | M 6 | .47 12 | 1.12 28.5 | 2.81 71.5 | 1.30 33 | .39 10 | .33 8.5 | .16 4 | .87 22 | 2.59 lbf 11.5 N | 8.99 lbf 40 N |
| .63 16 | .79 20 | 1 x 8 | 1.30 33 | M 8 | .59 15 | 1.12 28.5 | 3.09 78.5 | 1.50 38 | .47 12 | .45 11.5 | .20 5 | 1.06 27 | 2.92 lbf 13 N | 12.14 lbf 54 N |

Metric table

Dimensions in: millimeters - inches

| 1 d ₁ Pin -0.02 -0.05 Bore H7 | 2 l ₁ | 3 d ₂ Thread | d ₃ | d ₄ Thread | d ₅ | k | l ₂ | l ₃ | l ₄ | l ₅ | l ₆ | A/F | Spring load ≈ | |
|---|---------------------|-------------------------------|----------------|--------------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|------------|--------------------|--------------------|
| | | | | | | | | | | | | | Initial | End |
| 4 .16 | 4 .16 | M 8 x 1 | 16 .63 | M 3 | 7 .28 | 14 .55 | 35 1.38 | 16 .63 | 5 .20 | 4.5 .18 | 2.5 .10 | 10 .39 | 4.5 N 1.01 lbf | 12 N 2.70 lbf |
| 4 .16 | 6 .24 | M 8 x 1 | 16 .63 | M 3 | 7 .28 | 14 .55 | 35 1.38 | 16 .63 | 5 .20 | 4.5 .18 | 2.5 .10 | 10 .39 | 4 N .90 lbf | 12.5 N 2.81 lbf |
| 5 .20 | 5 .20 | M 10 x 1 | 19 .75 | M 4 | 8 .31 | 16 .63 | 40 1.57 | 18 .71 | 6 .24 | 5.5 .22 | 3 .12 | 12 .47 | 5 N 1.12 lbf | 15 N 3.37 lbf |
| 5 .20 | 8 .31 | M 10 x 1 | 19 .75 | M 4 | 8 .31 | 16 .63 | 40 1.57 | 18 .71 | 6 .24 | 5.5 .22 | 3 .12 | 12 .47 | 5 N 1.12 lbf | 18 N 4.05 lbf |
| 6 .24 | 6 .24 | M 12 x 1.5 | 23 .91 | M 5 | 9 .35 | 20 .79 | 48 1.89 | 22 .87 | 6 .24 | 7 .28 | 3.5 .14 | 14 .55 | 6.5 N 1.46 lbf | 19 N 4.27 lbf |
| 6 .24 | 9 .35 | M 12 x 1.5 | 23 .91 | M 5 | 9 .35 | 20 .79 | 48 1.89 | 22 .87 | 6 .24 | 7 .28 | 3.5 .14 | 14 .55 | 6 N 1.35 lbf | 25 N 5.62 lbf |
| 8 .31 | 8 .31 | M 16 x 1.5 | 28 1.10 | M 6 | 10 .39 | 24 .94 | 58 2.28 | 26 1.02 | 8 .31 | 8.5 .33 | 4 .16 | 17 .67 | 8.5 N 1.91 lbf | 26 N 5.85 lbf |
| 8 .31 | 12 .47 | M 16 x 1.5 | 28 1.10 | M 6 | 10 .39 | 24 .94 | 58 2.28 | 26 1.02 | 8 .31 | 8.5 .33 | 4 .16 | 17 .67 | 8.5 N 1.91 lbf | 28 N 6.29 lbf |
| 10 .39 | 12 .47 | M 16 x 1.5 | 28 1.10 | M 6 | 10 .39 | 24 .94 | 58 2.28 | 26 1.02 | 8 .31 | 8.5 .33 | 4 .16 | 17 .67 | 9.5 N 2.14 lbf | 38 N 8.54 lbf |
| 12 .47 | 15 .59 | M 20 x 1.5 | 33 1.30 | M 6 | 12 .47 | 28.5 1.12 | 71.5 2.81 | 33 1.30 | 10 .39 | 8.5 .33 | 4 .16 | 22 .87 | 11.5 N 2.59 lbf | 40 N 8.99 lbf |
| 16 .63 | 20 .79 | M 24 x 2 | 33 1.30 | M 8 | 15 .59 | 28.5 1.12 | 78.5 3.09 | 38 1.50 | 12 .47 | 11.5 .45 | 5 .20 | 27 1.06 | 13 N 2.92 lbf | 54 N 12.14 lbf |

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