



SS Stainless Steel

3 Type

- A** With pull ring, without lock nut
- AK** With pull ring, with lock nut
- D** With wire loop, without lock nut
- DK** With wire loop, with lock nut

Specification

- Threaded body
 - Steel, zinc plated, blue passivated finish **ST**
 - Stainless steel **NI**
 - European Standard No. 1.4305 (AISI 303)
- Plunger pin
 - Stainless steel
 - European Standard No. 1.4305 (AISI 303)
- Spring
 - Stainless steel
 - European Standard No. 1.4310 (AISI 301)
- Pull ring / wire loop
 - Stainless steel
 - European Standard No. 1.4310 (AISI 301)
- 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
- 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.

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*
- *Spacer Bushings GN 609.5 (to Limit the Thread Length)*

| | |
|-------------------------------------|-----------------------------|
| How to order (Inch) | 1 Pin diameter d_1 |
| 1 2 3 4 | 2 Thread d_2 |
| GN 717-6-1/2X13-D-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-AK-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 ₃ | 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 |
| .20 5 | 3/8 x 16 | .71 18 | .28 7.2 | .45 11.5 | 1.77 45 | .20 5 | .63 16 | .24 6 | .53 13.5 | 1.67 42.5 | .61 15.5 | .39 10 | 22 | 1.12 lbf 5 N | 5.40 lbf 24 N |
| .24 6 | 1/2 x 13 | .94 24 | .37 9.5 | .54 13.8 | 2.25 57.1 | .24 6 | .79 20 | .30 7.5 | .65 16.5 | 2.14 54.4 | .82 20.9 | .47 12 | 38 | 1.12 lbf 5 N | 4.72 lbf 21 N |
| .31 8 | 5/8 x 11 | 1.18 30 | .46 11.8 | .77 19.6 | 2.80 71 | .31 8 | .94 24 | .35 9 | .81 20.5 | 2.63 66.9 | 1.02 25.9 | .67 17 | 80 | 1.35 lbf 6 N | 4.95 lbf 22 N |
| .39 10 | 5/8 x 11 | 1.18 30 | .46 11.8 | .77 19.6 | 2.94 74.8 | .39 10 | 1.02 26 | .35 9 | .89 22.5 | 2.79 70.9 | 1.02 25.9 | .67 17 | 80 | .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 ₃ | 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 .12 | M 6 | 14 .55 | 6 .24 | 6.9 .27 | 33.5 1.32 | 3.5 .14 | 12 .47 | 4.5 .18 | 10 .39 | 32.9 1.30 | 12.9 .51 | 6 .24 | 2 | 3 N .67 lbf | 12 N 2.70 lbf |
| 3 .12 | M 6 x 0.75 | 14 .55 | 6 .24 | 6.9 .27 | 33.5 1.32 | 3.5 .14 | 12 .47 | 4.5 .18 | 10 .39 | 32.9 1.30 | 12.9 .51 | 6 .24 | 3 | 3 N .67 lbf | 12 N 2.70 lbf |
| 4 .16 | M 6 | 14 .55 | 6 .24 | 6.9 .27 | 33.5 1.32 | 4 .16 | 12 .47 | 4.5 .18 | 10 .39 | 33.4 1.31 | 12.9 .51 | 6 .24 | 2 | 3 N .67 lbf | 12 N 2.70 lbf |
| 4 .16 | M 8 x 1 | 14 .55 | 6 .24 | 9.2 .36 | 40.4 1.59 | 4.5 .18 | 16 .63 | 6 .24 | 13.5 .53 | 42 1.65 | 15.5 .61 | 8 .31 | 8 | 5 N 1.12 lbf | 24 N 5.40 lbf |
| 5 .20 | M 8 | 18 .71 | 7.2 .28 | 9.2 .36 | 45 1.77 | 5 .20 | 16 .63 | 6 .24 | 13.5 .53 | 42.5 1.67 | 15.5 .61 | 8 .31 | 7 | 5 N 1.12 lbf | 24 N 5.40 lbf |
| 5 .20 | M 8 x 1 | 18 .71 | 7.2 .28 | 9.2 .36 | 45 1.77 | 5 .20 | 16 .63 | 6 .24 | 13.5 .53 | 42.5 1.67 | 15.5 .61 | 8 .31 | 7 | 5 N 1.12 lbf | 24 N 5.40 lbf |
| 5 .20 | M 10 x 1 | 18 .71 | 7.2 .28 | 11.5 .45 | 45 1.77 | 5 .20 | 16 .63 | 6 .24 | 13.5 .53 | 42.5 1.67 | 15.5 .61 | 10 .39 | 22 | 5 N 1.12 lbf | 24 N 5.40 lbf |
| 6 .24 | M 10 | 24 .94 | 9.5 .37 | 11.5 .45 | 57.1 2.25 | 6 .24 | 20 .79 | 7.5 .30 | 17 .67 | 54.4 2.14 | 20.9 .82 | 10 .39 | 15 | 5 N 1.12 lbf | 21 N 4.72 lbf |
| 6 .24 | M 12 x 1.5 | 24 .94 | 9.5 .37 | 13.8 .54 | 57.1 2.25 | 6 .24 | 20 .79 | 7.5 .30 | 16.5 .65 | 54.4 2.14 | 20.9 .82 | 12 .47 | 38 | 5 N 1.12 lbf | 21 N 4.72 lbf |
| 8 .31 | M 12 | 30 1.18 | 11.8 .46 | 13.8 .54 | 71 2.80 | 8 .31 | 24 .94 | 9 .35 | 20.5 .81 | 66.9 2.63 | 25.9 1.02 | 12 .47 | 20 | 6 N 1.35 lbf | 22 N 4.95 lbf |
| 8 .31 | M 12 x 1.5 | 30 1.18 | 11.8 .46 | 13.8 .54 | 71 2.80 | 8 .31 | 24 .94 | 9 .35 | 20.5 .81 | 66.9 2.63 | 25.9 1.02 | 12 .47 | 20 | 6 N 1.35 lbf | 22 N 4.95 lbf |
| 8 .31 | M 16 x 1.5 | 30 1.18 | 11.8 .46 | 19.6 .77 | 71 2.80 | 8 .31 | 24 .94 | 9 .35 | 20.5 .81 | 66.9 2.63 | 25.9 1.02 | .67 | 80 | 6 N 1.35 lbf | 22 N 4.95 lbf |
| 10 .39 | M 16 x 1.5 | 30 1.18 | 11.8 .46 | 19.6 .77 | 74.8 2.94 | 10 .39 | 26 1.02 | 9 .35 | 22.5 .89 | 70.9 2.79 | 25.9 1.02 | .67 | 80 | 4 N .90 lbf | 27 N 6.07 lbf |

3.1
3.2
3.3
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3.5
3.6
3.7
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