



**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 AISI 303 **NI**
- Plunger pin
  - Stainless steel AISI 303
- Spring
  - Stainless steel AISI 301
- Pull ring / wire loop
  - Stainless steel 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
- [Load Rating Information](#) → page 2103
- [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.

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)	<b>1</b> Pin diameter $d_1$
<b>1</b> <b>2</b> <b>3</b> <b>4</b>	<b>2</b> Thread $d_2$
<b>GN 717-6-1/2X13-D-ST</b>	<b>3</b> Type
	<b>4</b> Material

How to order (Metric)	<b>1</b> Pin diameter $d_1$
<b>1</b> <b>2</b> <b>3</b> <b>4</b>	<b>2</b> Thread $d_2$
<b>GN 717-8-M12-AK-NI</b>	<b>3</b> Type
	<b>4</b> Material

**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>	e	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub> min.	l <sub>6</sub>	l <sub>7</sub>	A/F	Max. tightening torque in Nm	Spring load ≈	
														Initial	End
0.20 5	3/8 x 16	0.71 18	0.28 7.2	0.45 11.5	1.77 45	0.20 5	0.63 16	0.24 6	0.53 13.5	1.67 42.5	0.61 15.5	0.39 10	22	1.12 lbf 5 N	5.40 lbf 24 N
0.24 6	1/2 x 13	0.94 24	0.37 9.5	0.54 13.8	2.25 57.1	0.24 6	0.79 20	0.30 7.5	0.65 16.5	2.14 54.4	0.82 20.9	0.47 12	38	1.12 lbf 5 N	4.72 lbf 21 N
0.31 8	5/8 x 11	1.18 30	0.46 11.8	0.77 19.6	2.80 71	0.31 8	0.94 24	0.35 9	0.81 20.5	2.63 66.9	1.02 25.9	0.67 17	80	1.35 lbf 6 N	4.95 lbf 22 N
0.39 10	5/8 x 11	1.18 30	0.46 11.8	0.77 19.6	2.94 74.8	0.39 10	1.02 26	0.35 9	0.89 22.5	2.79 70.9	1.02 25.9	0.67 17	80	0.90 lbf 4 N	6.07 lbf 27 N

**Metric table**

Dimensions in: millimeters - inches

1 d <sub>1</sub> Pin -0.05 Bore +0.03 -0.08	2 d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	e	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub> min.	l <sub>6</sub>	l <sub>7</sub>	A/F	Max. tightening torque in Nm	Spring load ≈	
														Initial	End
3 0.12	M 6	14 0.55	6 0.24	6.9 0.27	33.5 1.32	3.5 0.14	12 0.47	4.5 0.18	10 0.39	32.9 1.30	12.9 0.51	6 0.24	2	3 N 0.67 lbf	12 N 2.70 lbf
3 0.12	M 6 x 0.75	14 0.55	6 0.24	6.9 0.27	33.5 1.32	3.5 0.14	12 0.47	4.5 0.18	10 0.39	32.9 1.30	12.9 0.51	6 0.24	3	3 N 0.67 lbf	12 N 2.70 lbf
4 0.16	M 6	14 0.55	6 0.24	6.9 0.27	33.5 1.32	4 0.16	12 0.47	4.5 0.18	10 0.39	33.4 1.31	12.9 0.51	6 0.24	2	3 N 0.67 lbf	12 N 2.70 lbf
4 0.16	M 8 x 1	14 0.55	6 0.24	9.2 0.36	40.4 1.59	4.5 0.18	16 0.63	6 0.24	13.5 0.53	42 1.65	15.5 0.61	8 0.31	8	5 N 1.12 lbf	24 N 5.40 lbf
5 0.20	M 8	18 0.71	7.2 0.28	9.2 0.36	45 1.77	5 0.20	16 0.63	6 0.24	13.5 0.53	42.5 1.67	15.5 0.61	8 0.31	7	5 N 1.12 lbf	24 N 5.40 lbf
5 0.20	M 8 x 1	18 0.71	7.2 0.28	9.2 0.36	45 1.77	5 0.20	16 0.63	6 0.24	13.5 0.53	42.5 1.67	15.5 0.61	8 0.31	7	5 N 1.12 lbf	24 N 5.40 lbf
5 0.20	M 10 x 1	18 0.71	7.2 0.28	11.5 0.45	45 1.77	5 0.20	16 0.63	6 0.24	13.5 0.53	42.5 1.67	15.5 0.61	10 0.39	22	5 N 1.12 lbf	24 N 5.40 lbf
6 0.24	M 10	24 0.94	9.5 0.37	11.5 0.45	57.1 2.25	6 0.24	20 0.79	7.5 0.30	17 0.67	54.4 2.14	20.9 0.82	10 0.39	15	5 N 1.12 lbf	21 N 4.72 lbf
6 0.24	M 12 x 1.5	24 0.94	9.5 0.37	13.8 0.54	57.1 2.25	6 0.24	20 0.79	7.5 0.30	16.5 0.65	54.4 2.14	20.9 0.82	12 0.47	38	5 N 1.12 lbf	21 N 4.72 lbf
8 0.31	M 12	30 1.18	11.8 0.46	13.8 0.54	71 2.80	8 0.31	24 0.94	9 0.35	20.5 0.81	66.9 2.63	25.9 1.02	12 0.47	20	6 N 1.35 lbf	22 N 4.95 lbf
8 0.31	M 12 x 1.5	30 1.18	11.8 0.46	13.8 0.54	71 2.80	8 0.31	24 0.94	9 0.35	20.5 0.81	66.9 2.63	25.9 1.02	12 0.47	20	6 N 1.35 lbf	22 N 4.95 lbf
8 0.31	M 16 x 1.5	30 1.18	11.8 0.46	19.6 0.77	71 2.80	8 0.31	24 0.94	9 0.35	20.5 0.81	66.9 2.63	25.9 1.02	17 0.67	80	6 N 1.35 lbf	22 N 4.95 lbf
10 0.39	M 16 x 1.5	30 1.18	11.8 0.46	19.6 0.77	74.8 2.94	10 0.39	26 1.02	9 0.35	22.5 0.89	70.9 2.79	25.9 1.02	17 0.67	80	4 N 0.90 lbf	27 N 6.07 lbf