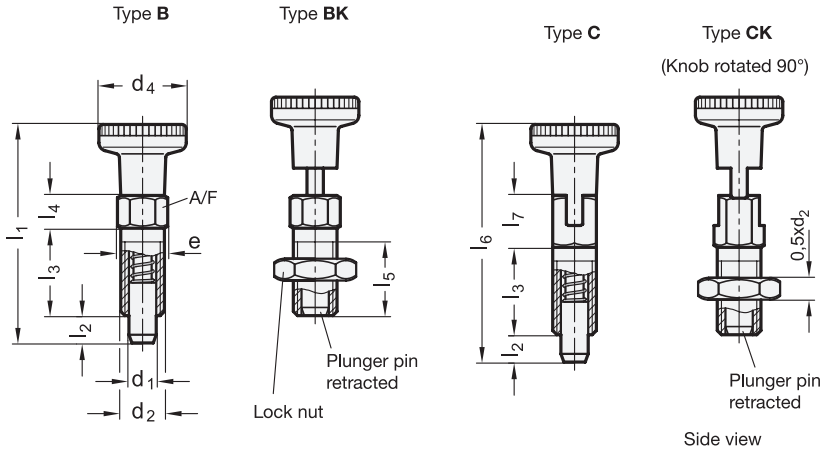
Indexing Plungers

Lock-Out and Non Lock-Out, with Knob



Inch | Metric

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

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

How to order (Inch)		
GN 717-5-3/8X16-C-ST	1	**Pin diameter d_1**
	2	**Thread d_2**
	3	**Type**
	4	**Material**

How to order (Metric)		
GN 717-8-M12-BK-NI	1	**Pin diameter d_1**
	2	**Thread d_2**
	3	**Type**
	4	**Material**

Inch table

Dimensions in: inches - *millimeters*

d_1 Pin –0.002 Bore +0.001 +0.003	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	Spring load ≈ End
.20 *5*	3/8 x 16	.71 *18*	.45 *11.5*	1.67 *42.5*	.20 *5*	.63 *16*	.24 *6*	.53 *13.5*	1.81 *46*	.37 *9.5*	.39 *10*	22	1.12 lbf *5 N*	5.40 lbf *24 N*
.24 *6*	1/2 x 13	.83 *21*	.54 *13.8*	2.05 *52*	.24 *6*	.79 *20*	.30 *7.5*	.65 *16.5*	2.17 *55*	.41 *10.5*	.47 *12*	38	1.12 lbf *5 N*	4.72 lbf *21 N*
.31 *8*	5/8 x 11	.98 *25*	.77 *19.6*	2.50 *63.5*	.31 *8*	.94 *24*	.35 *9*	.81 *20.5*	2.68 *68*	.53 *13.5*	.67 *17*	80	1.35 lbf *6 N*	4.95 lbf *22 N*
.39 *10*	5/8 x 11	.98 *25*	.77 *19.6*	2.66 *67.5*	.39 *10*	1.02 *26*	.35 *9*	.89 *22.5*	2.85 *72.5*	.55 *14*	.67 *17*	80	.90 lbf *4 N*	6.07 lbf *27 N*

Metric table

Dimensions in: millimeters - *inches*

d_1 Pin –0.05 Bore +0.03 +0.08	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	Spring load ≈ End
3 *.12*	M 6	12 *.47*	6.9 *.27*	30 *1.18*	3.5 *.14*	12 *.47*	4.5 *.18*	10 *.39*	32.5 *1.28*	7 *.28*	6 *.24*	2	3 N *.67 lbf*	12 N *2.70 lbf*
3 *.12*	M 6 x 0.75	12 *.47*	6.9 *.27*	30 *1.18*	3.5 *.14*	12 *.47*	4.5 *.18*	10 *.39*	32.5 *1.28*	7 *.28*	6 *.24*	3	3 N *.67 lbf*	12 N *2.70 lbf*
4 *.16*	M 6	12 *.47*	6.9 *.27*	30.5 *1.20*	4 *.16*	12 *.47*	4.5 *.18*	10 *.39*	33 *1.30*	7 *.28*	6 *.24*	2	3 N *.67 lbf*	12 N *2.70 lbf*
4 *.16*	M 8 x 1	16 *.63*	9.2 *.36*	39.5 *1.56*	4.5 *.18*	16 *.63*	6 *.24*	13.5 *.53*	43 *1.69*	9.5 *.37*	8 *.31*	8	5 N *1.12 lbf*	24 N *5.40 lbf*
5 *.20*	M 8	16 *.63*	9.2 *.36*	40 *1.57*	5 *.20*	16 *.63*	6 *.24*	13.5 *.53*	43.5 *1.71*	9.5 *.37*	8 *.31*	7	5 N *1.12 lbf*	24 N *5.40 lbf*
5 *.20*	M 8 x 1	16 *.63*	9.2 *.36*	40 *1.57*	5 *.20*	16 *.63*	6 *.24*	13.5 *.53*	43.5 *1.71*	9.5 *.37*	8 *.31*	7	5 N *1.12 lbf*	24 N *5.40 lbf*
5 *.20*	M 10 x 1	18 *.71*	11.5 *.45*	42.5 *1.67*	5 *.20*	16 *.63*	6 *.24*	13.5 *.53*	46 *1.81*	9.5 *.37*	10 *.39*	22	5 N *1.12 lbf*	24 N *5.40 lbf*
6 *.24*	M 10	18 *.71*	11.5 *.45*	49 *1.93*	6 *.24*	20 *.79*	7.5 *.30*	17 *.67*	52 *2.05*	10.5 *.41*	10 *.39*	15	5 N *1.12 lbf*	21 N *4.72 lbf*
6 *.24*	M 12 x 1.5	21 *.83*	13.8 *.54*	52 *2.05*	6 *.24*	20 *.79*	7.5 *.30*	16.5 *.65*	55 *2.17*	10.5 *.41*	12 *.47*	38	5 N *1.12 lbf*	21 N *4.72 lbf*
8 *.31*	M 12	21 *.83*	13.8 *.54*	59 *2.32*	8 *.31*	24 *.94*	9 *.35*	20.5 *.81*	63.5 *2.50*	13.5 *.53*	12 *.47*	20	6 N *1.35 lbf*	22 N *4.95 lbf*
8 *.31*	M 12 x 1.5	21 *.83*	13.8 *.54*	59 *2.32*	8 *.31*	24 *.94*	9 *.35*	20.5 *.81*	63.5 *2.50*	13.5 *.53*	12 *.47*	20	6 N *1.35 lbf*	22 N *4.95 lbf*
8 *.31*	M 16 x 1.5	25 *.98*	19.6 *.77*	63.5 *2.50*	8 *.31*	24 *.94*	9 *.35*	20.5 *.81*	68 *2.68*	13.5 *.53*	17 *.67*	80	6 N *1.35 lbf*	22 N *4.95 lbf*
10 *.39*	M 16 x 1.5	25 *.98*	19.6 *.77*	67.5 *2.66*	10 *.39*	26 *1.02*	9 *.35*	22.5 *.89*	72.5 *2.85*	14 *.55*	17 *.67*	80	4 N *.90 lbf*	27 N *6.07 lbf*