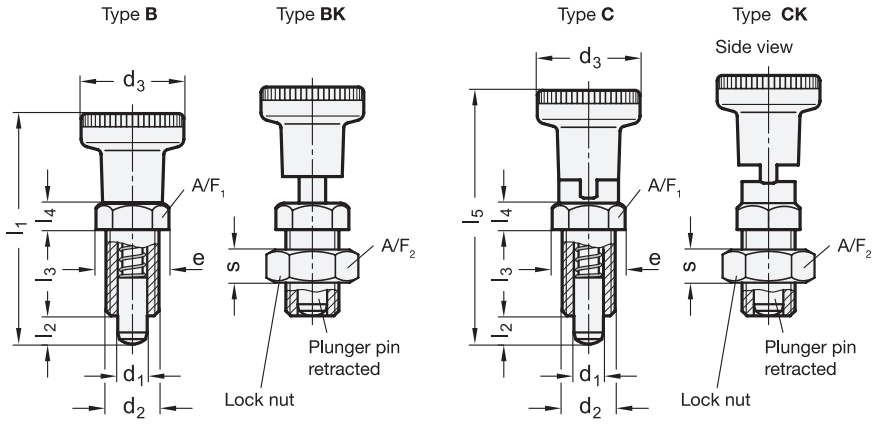
Indexing Plungers

Plastic body, Lock-Out and Non Lock-Out



Inch | Metric

elesa
Original design PMT.100 / PMT.101

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

4 5

- Threaded body
  Plastic
  Technopolymer (Polyamide PA-HP)
  - Glass fiber reinforced
  - Temperature resistant up to 266 °F (130 °C)
  - Black, matte finish
- Plunger pin
  - Steel — **ST**
    Hardened, blackened finish
  - Stainless steel AISI 303 — **NI**
- Spring
  Stainless steel AISI 302
- Knob
  Plastic
  Technopolymer (Polyamide PA)
  - Temperature resistant up to 266 °F (130 °C)
  - Black, matte finish —
  - Red, RAL 3000, matte finish — **RT**
  - Not removable
- Lock nut
  Plastic
  Technopolymer (Polyamide PA-HP)
  Black, matte finish
- *Stainless Steel Characteristics* → *page QVX*
- *Plastic Characteristics* → *page QVX*
- RoHS compliant

Information

EN 617.2 indexing plungers with plastic body are a reasonably priced indexing plunger variation. The dimensions correspond to those of GN 617 or GN 617.1 indexing plungers.

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.

see also...
- *List of Indexing Plunger Types* → *page QVX*
- *Mounting Blocks GN 412.1* → *page QVX*
- *Spacer Bushings GN 609.5 (to Limit the Thread Length)* → *page QVX*
- *Indexing Plungers GN 617 (Steel / Stainless Steel, Non Lock-Out)* → *page QVX*
- *Indexing Plungers GN 617.1 (Steel / Stainless Steel, Lock-Out)* → *page QVX*

How to order (Inch, steel plunger pin, black knob)

1 2 3 4
EN 617.2-5-3/8X24-B-ST

1	Pin diameter d_1
2	Thread d_2
3	Type
4	Material

How to order (Metric, stainless steel plunger pin, red knob)

1 2 3 4 5
EN 617.2-8-M16X1.5-CK-NI-RT

1	Pin diameter d_1
2	Thread d_2
3	Type
4	Material
5	Color

Inch table

Dimensions in: inches - *millimeters*

d_1 Pin $^{-0.004}_{-0.006}$ Bore −0.003	d_2	d_3	e ≈	l_1 ≈	l_2		l_3	l_4	l_5 ≈	s	A/F_1	A/F_2	Max. tightening torque in Nm	Spring load ≈	
					Type B / BK	Type C / CK								Initial	End
0.20 *5*	3/8 x 24	0.83 *21*	0.54 *13.6*	1.77 *45*	0.20 *5*	0.20 *5*	0.67 *17*	0.20 *5*	2.01 *51*	0.28 *7*	0.47 *12*	0.63 *16*	8	1.57 lbf *7 N*	3.82 lbf *17 N*
0.24 *6*	1/2 x 20	0.98 *25*	0.63 *16*	2.13 *54*	0.24 *6*	0.24 *6*	0.79 *20*	0.24 *6*	2.40 *61*	0.31 *8*	0.55 *14*	0.75 *19*	12	2.02 lbf *9 N*	5.40 lbf *24 N*
0.31 *8*	5/8 x 18	1.22 *31*	0.85 *21.6*	2.72 *69*	0.31 *8*	0.28 *7*	1.02 *26*	0.31 *8*	2.99 *76*	0.39 *10*	0.75 *19*	0.94 *24*	18	2.47 lbf *11 N*	6.74 lbf *30 N*

Metric table

Dimensions in: millimeters - *inches*

d_1 Pin $^{-0.1}_{-0.15}$ Bore −0.08	d_2	d_3	e ≈	l_1 ≈	l_2		l_3	l_4	l_5 ≈	s	A/F_1	A/F_2	Max. tightening torque in Nm	Spring load ≈	
					Type B / BK	Type C / CK								Initial	End
5 *0.20*	M 10 x 1	21 *0.83*	13.6 *0.54*	45 *1.77*	5 *0.20*	5 *0.20*	17 *0.67*	5 *0.20*	51 *2.01*	7 *0.28*	12 *0.47*	16 *0.63*	8	7 N *1.57 lbf*	17 N *3.82 lbf*
6 *0.24*	M 12 x 1.5	25 *0.98*	16 *0.63*	54 *2.13*	6 *0.24*	6 *0.24*	20 *0.79*	6 *0.24*	61 *2.40*	8 *0.31*	14 *0.55*	19 *0.75*	12	9 N *2.02 lbf*	24 N *5.40 lbf*
8 *0.31*	M 16 x 1.5	31 *1.22*	21.6 *0.85*	69 *2.72*	8 *0.31*	7 *0.28*	26 *1.02*	8 *0.31*	76 *2.99*	10 *0.39*	19 *0.75*	24 *0.94*	18	11 N *2.47 lbf*	30 N *6.74 lbf*
10 *0.39*	M 20 x 1.5	31 *1.22*	25 *0.98*	80 *3.15*	10 *0.39*	10 *0.39*	33 *1.30*	10 *0.39*	91 *3.58*	11 *0.43*	22 *0.87*	30 *1.18*	25	19 N *4.27 lbf*	45 N *10.12 lbf*