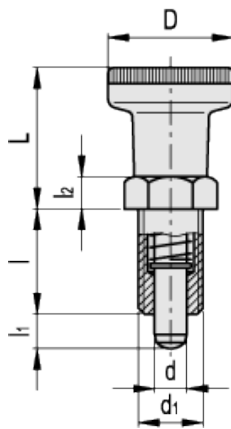


# PMT.100

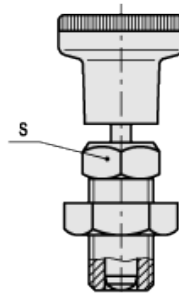
SUPER-technopolymer indexing plungers



PMT.100-A  
PMT.100-SST-A



PMT.100-AK  
PMT.100-SST-AK



american unit  
metric unit

Elesa Standards		Main dimensions								Spring pressure		Maximum tightening torque	Static load at breakage	Weight
Code	Description	d <sup>-0.0008</sup> -0.0015	d <sub>1</sub>	L	D	l	l <sub>1</sub> min.	l <sub>2</sub>	s	Preload [lbf] [N~]	Max. load [lbf] [N~]	[ft.-lb] [Nm]	F [lbf] [N]	lbs g
51501	PMT.100-5-M10x1-A	0.2 5	- M10x1	0.91 23	0.83 21	0.67 17	0.2 5	0.2 5	0.47 12	2 7	4 17	4 6	515 2300	0.029 13
51502	PMT.100-6-M12x1,5-A	0.24 6	- M12x1.5	1.1 28	0.98 25	0.79 20	0.24 6	0.24 6	0.55 14	2 9	5 24	7 10	784 3500	0.044 20
51511	PMT.100-8-M16x1,5-A	0.31 8	- M16x1.5	1.38 35	1.22 31	1.02 26	0.31 8	0.31 8	0.75 19	2 11	7 30	13 18	1322 5900	0.055 25
51512	PMT.100-10-M20x1,5-A	0.39 10	- M20x1.5	1.46 37	1.22 31	1.3 33	0.39 10	0.39 10	0.87 22	4 19	10 45	18 25	1725 7700	0.07 32
51521	PMT.100-5-M10x1-AK	0.2 5	- M10x1	0.91 23	0.83 21	0.67 17	0.2 5	0.2 5	0.47 12	2 7	4 17	4 6	515 2300	0.051 23
51522	PMT.100-6-M12x1,5-AK	0.24 6	- M12x1.5	1.1 28	0.98 25	0.79 20	0.24 6	0.24 6	0.55 14	2 9	5 24	7 10	784 3500	0.073 33
51531	PMT.100-8-M16x1,5-AK	0.31 8	- M16x1.5	1.38 35	1.22 31	1.02 26	0.31 8	0.31 8	0.75 19	2 11	7 30	13 18	1322 5900	0.11 50
51532	PMT.100-10-M20x1,5-AK	0.39 10	- M20x1.5	1.46 37	1.22 31	1.3 33	0.39 10	0.39 10	0.87 22	4 19	10 45	18 25	1725 7700	0.152 69

Elesa Standards		Main dimensions						Spring pressure		Maximum tightening torque		Static load at breakage		Weight
Code	Description	d <sup>-0.008 -0.015</sup>	d <sub>1</sub>	L	D	I	I <sub>1</sub>	I <sub>2</sub>	s	Preload [lbf] [N-]	Max. load [lbf] [N-]	[ft·lb] [Nm]	F [lbf] [N]	lbs g

american unit  
metric unit

Elesa Standards		Main dimensions						Spring pressure		Maximum tightening torque		Static load at breakage		Weight
Code	Description	d <sup>-0.15 -0.1</sup>	d <sub>1</sub>	L	D	I	I <sub>1</sub>	I <sub>2</sub>	s	Preload [lbf] [N-]	Max. load [lbf] [N-]	[ft·lb] [Nm]	F [lbf] [N]	lbs g
51551	PMT.100-SST-5-M10x1-A	0.25	- M10x1	0.91 23	0.83 21	0.67 17	0.2 5	0.2 5	0.47 12	1 6	3 15	4 6	403 1800	0.029 13
51552	PMT.100-SST-6-M12x1,5-A	0.24 6	- M12x1.5	1.1 28	0.98 25	0.79 20	0.24 6	0.24 6	0.55 14	2 8	5 21	7 10	650 2900	0.044 20
51561	PMT.100-SST-8-M16x1,5-A	0.31 8	- M16x1.5	1.38 35	1.22 31	1.02 26	0.31 8	0.31 8	0.75 19	2 9	6 26	13 18	986 4400	0.055 25
51562	PMT.100-SST-10-M20x1,5-A	0.39 10	- M20x1.5	1.46 37	1.22 31	1.3 33	0.39 10	0.39 10	0.87 22	4 17	9 40	18 25	1523 6800	0.07 32
51571	PMT.100-SST-5-M10x1-AK	0.25	- M10x1	0.91 23	0.83 21	0.67 17	0.2 5	0.2 5	0.47 12	1 6	3 15	4 6	403 1800	0.051 23
51572	PMT.100-SST-6-M12x1,5-AK	0.24 6	- M12x1.5	1.12 28.5	0.98 25	0.79 20	0.24 6	0.24 6	0.55 14	2 8	5 21	7 10	650 2900	0.073 33
51581	PMT.100-SST-8-M16x1,5-AK	0.31 8	- M16x1.5	1.38 35	1.22 31	1.02 26	0.31 8	0.31 8	0.75 19	2 9	6 26	13 18	986 4400	0.11 50
51582	PMT.100-SST-10-M20x1,5-AK	0.39 10	- M20x1.5	1.46 37	1.22 31	1.3 33	0.39 10	0.39 10	0.87 22	4 17	9 40	18 25	1523 6800	0.152 69

#### Threaded body

Special glass-fibre reinforced polyamide based (PA) SUPERtechnopolymer, black colour. Resistant to solvents, oils, greases and other chemical agents.

#### Plunger

Black-oxide hardened steel or AISI 303 stainless steel.  
Suggested tolerance for matching hole = H7.

#### Knob

High-resilience polyamide based (PA) technopolymer, black colour, matte finish. Resistant to solvents, oils, greases and other chemical agents.

#### Spring

AISI 302 stainless steel.

#### Locking nut

Special glass-fibre reinforced polyamide based (PA) SUPERtechnopolymer. Resistant to solvents, oils, greases and other chemical agents.

#### Standard executions

- PMT.100-A: black-oxide steel plunger, without locking nut.
- PMT.100-AK: black-oxide steel plunger, with locking nut (supplied not assembled).
- PMT.100-SST-A: AISI 303 stainless steel, without locking nut, not magnetic.
- PMT.100-SST-AK: AISI 303 stainless steel, with locking nut (supplied not assembled), not magnetic.

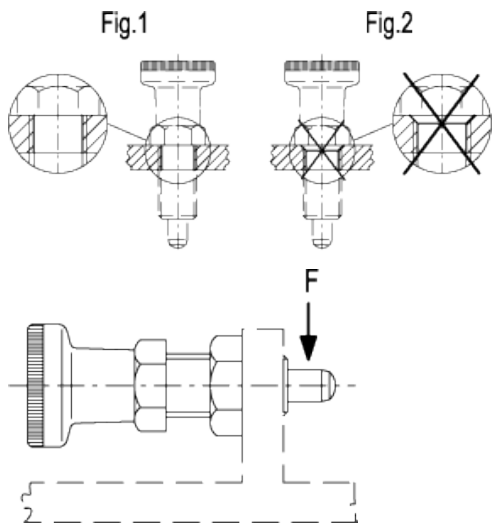
#### Features and applications

- Lightness and mechanical resistance of the product.
- The SUPER-technopolymer threaded body of the plunger offers a low friction factor to the plunger stroke; no lubricating maintenance is required.
- Anticorrosive material: suitable even in the presence of liquid or humidity (PMT.100-SST).
- Indexing plungers resist to several cleaning cycles with solvents and other chemical agents, for this reason they are suitable for applications as in the pharmaceutical or food industry.

#### Assembly instructions

Make sure that no machining residues are left on the threaded hole for the assembly of PMT.100 indexing plunger (see fig. 1).

Do not make any chamfering in the hole (see fig. 2).



SUPER-technopolymer product, according to Elessa technology, dimensions based on GN 617 standard in agreement with Otto Ganter GmbH Co. KG



STANDARD MACHINE ELEMENTS WORLDWIDE

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