

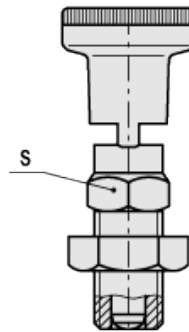
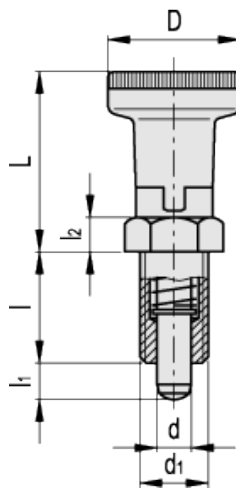
PMT.101

SUPER-technopolymer indexing plungers with rest position



**PMT.101-A
PMT.101-SST-A**

**PMT.101-AK
PMT.101-SST-AK**



american unit
metric unit

Elesa Standards		Main dimensions								Spring pressure		Maximum tightening torque	Static load at breakage	Weight
Code	Description	d ^{-0.0008} _{-.0015}	d ₁	L	D	I	l ₁ min.	l ₂	s	Preload [lbf] [N~]	Max. load [lbf] [N~]	[ft.-lb] [Nm]	F [lbf] [N]	lbs g
51601	PMT.101-5-M10x1-A	0.2 5	- M10x1	1.14 29	0.83 21	0.67 17	0.2 5	0.2 5	0.47 12	2 7	4 17	1 6	515 2300	0.029 13
51602	PMT.101-6-M12x1,5-A	0.24 6	- M12x1.5	1.38 35	0.98 25	0.79 20	0.24 6	0.24 6	0.55 14	2 9	5 24	2 10	784 3500	0.044 20
51611	PMT.101-8-M16x1,5-A	0.31 8	- M16x1.5	1.67 43	1.22 31	1.02 26	0.28 7	0.31 8	0.75 19	2 11	7 30	4 18	1322 5900	0.055 25
51612	PMT.101-10-M20x1,5-A	0.39 10	- M20x1.5	1.89 48	1.22 31	1.3 33	0.39 10	0.39 10	0.87 22	4 19	10 45	6 25	1725 7700	0.07 32
51621	PMT.101-5-M10x1-AK	0.2 5	- M10x1	1.14 29	0.83 21	0.67 17	0.2 5	0.2 5	0.47 12	2 7	4 17	1 6	515 2300	0.051 23
51622	PMT.101-6-M12x1,5-AK	0.24 6	- M12x1.5	1.38 35	0.98 25	0.79 20	0.24 6	0.24 6	0.55 14	2 9	5 24	2 10	784 3500	0.073 33

Elesa Standards		Main dimensions									Spring pressure		Maximum tightening torque	Static load at breakage	Weight
Code	Description	d ^{-0.008 - .0015}	d ₁	L	D	I	I ₁ min.	I ₂	s	Preload [lbf] [N~]	Max. load [lbf] [N~]	[ft·lb] [Nm]	F [lbf] [N]	lbs g	
51631	PMT.101-8-M16x1,5-AK	0.31 8	- M16x1.5	1.67 43	1.22 31	1.02 26	0.28 7	0.31 8	0.75 19	2 11	7 30	4 18	1322 5900	0.11 50	
51632	PMT.101-10-M20x1,5-AK	0.39 10	- M20x1.5	1.89 48	1.22 31	1.3 33	0.39 10	0.39 10	0.87 22	4 19	10 45	6 25	1725 7700	0.152 69	

american unit
metric unit

Elesa Standards		Main dimensions									Spring pressure		Maximum tightening torque	Static load at breakage	Weight
Code	Description	d ^{-0.15 - 0.1}	d ₁	L	D	I	I ₁	I ₂	s	Preload [lbf] [N~]	Max. load [lbf] [N~]	[ft·lb] [Nm]	F [lbf] [N]	lbs g	
51651	PMT.101-SST-5-M10x1-A	0.2 5	- M10x1	1.14 29	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	
51652	PMT.101-SST-6-M12x1,5-A	0.24 6	- M12x1.5	1.38 35	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	
51661	PMT.101-SST-8-M16x1,5-A	0.31 8	- M16x1.5	1.69 43	1.22 31	1.02 26	0.28 7	0.31 8	0.75 19	2 9	6 26	13 18	986 4400	0.055 25	
51662	PMT.101-SST-10-M20x1,5-A	0.39 10	- M20x1.5	1.89 48	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	
51671	PMT.101-SST-5-M10x1-AK	0.2 5	- M10x1	1.14 29	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	
51672	PMT.101-SST-6-M12x1,5-AK	0.24 6	- M12x1.5	1.38 35	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	
51681	PMT.101-SST-8-M16x1,5-AK	0.31 8	- M16x1.5	1.69 43	1.22 31	1.02 26	0.28 7	0.31 8	0.75 19	2 9	6 26	13 18	986 4400	0.11 50	
51682	PMT.101-SST-10-M20x1,5-AK	0.39 10	- M20x1.5	1.89 48	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.
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.101-A: black-oxide steel plunger, without locking nut.
- PMT.101-AK: black-oxide steel plunger, with locking nut (supplied not assembled).
- PMT.101-SST-A: AISI 303 stainless steel plunger, without locking nut, not magnetic.
- PMT.101-SST-AK: AISI 303 stainless steel plunger, with locking nut (supplied not assembled), not magnetic.

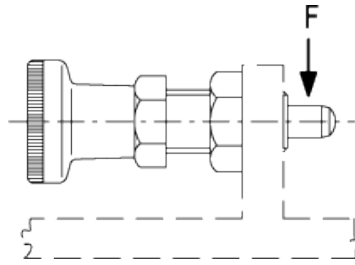
Features and applications

- 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.101-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.
- The stop toothing (for the rest position), made out of SUPERtechnopolymer, protects the device from seizure or wear.

Assembly instructions

Make sure that no machining residues are left on the threaded hole for the assembly of PMT.101 indexing plunger (see fig. 1).
Do not make any chanfering 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.



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