

SUPER-technopolymer indexing plungers with rest position



- **Threaded body**

Special glass-fibre reinforced polyamide based (PA) SUPER-technopolymer, 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) SUPER-technopolymer. 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 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 SUPER-technopolymer, 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 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.

Fig.1

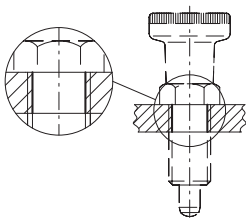
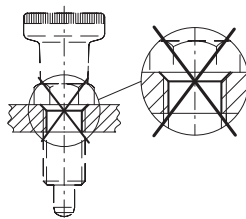
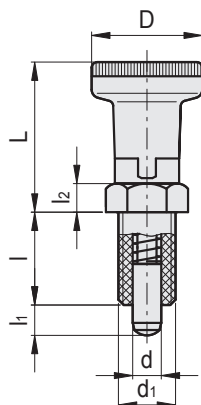
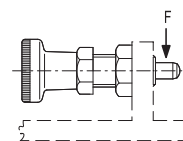
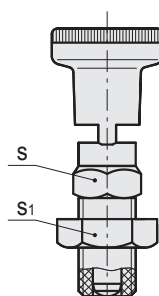


Fig.2



PMT.101-A
PMT.101-SST-APMT.101-AK
PMT.101-SST-AK

Standard Elements		Main dimensions										Spring pressure		Maximum tightening torque	Static load at breakage	△△
Code	Description	d ^{-0.15 -0.1}	d ₁	L	D	l	l ₁	l ₂	s	s ₁	Preload [N~]	Max. load [N~]	[Nm]	F [N]	g	
51601	PMT.101-5-M10x1-A	5	M10x1	29	21	17	5	5	12	-	7	17	6	2300	13	
51602	PMT.101-6-M12x1,5-A	6	M12x1.5	35	25	20	6	6	14	-	9	24	10	3500	20	
51611	PMT.101-8-M16x1,5-A	8	M16x1.5	43	31	26	8	8	19	-	11	30	18	5900	25	
51612	PMT.101-10-M20x1,5-A	10	M20x1.5	48	31	33	10	10	22	-	19	45	25	7700	32	
51621	PMT.101-5-M10x1-AK	5	M10x1	29	21	17	5	5	12	16	7	17	6	2300	23	
51622	PMT.101-6-M12x1,5-AK	6	M12x1.5	35	25	20	6	6	14	19	9	24	10	3500	33	
51631	PMT.101-8-M16x1,5-AK	8	M16x1.5	43	31	26	8	8	19	24	11	30	18	5900	50	
51632	PMT.101-10-M20x1,5-AK	10	M20x1.5	48	31	33	10	10	22	30	19	45	25	7700	69	

Standard Elements		Main dimensions										Spring pressure		Maximum tightening torque	Static load at breakage	△△
Code	Description	d ^{-0.15 -0.1}	d ₁	L	D	l	l ₁	l ₂	s	s ₁	Preload [N~]	Max. load [N~]	[Nm]	F [N]	g	
51651	PMT.101-SST-5-M10x1-A	5	M10x1	29	21	17	5	5	12	-	7	17	6	1800	13	
51652	PMT.101-SST-6-M12x1,5-A	6	M12x1.5	35	25	20	6	6	14	-	9	24	10	2900	20	
51661	PMT.101-SST-8-M16x1,5-A	8	M16x1.5	43	31	26	8	8	19	-	11	30	18	4400	25	
51662	PMT.101-SST-10-M20x1,5-A	10	M20x1.5	48	31	33	10	10	22	-	19	45	25	6800	32	
51671	PMT.101-SST-5-M10x1-AK	5	M10x1	29	21	17	5	5	12	16	7	17	6	1800	23	
51672	PMT.101-SST-6-M12x1,5-AK	6	M12x1.5	35	25	20	6	6	14	19	9	24	10	2900	33	
51681	PMT.101-SST-8-M16x1,5-AK	8	M16x1.5	43	31	26	8	8	19	24	11	30	18	4400	50	
51682	PMT.101-SST-10-M20x1,5-AK	10	M20x1.5	48	31	33	10	10	22	30	19	45	25	6800	69	