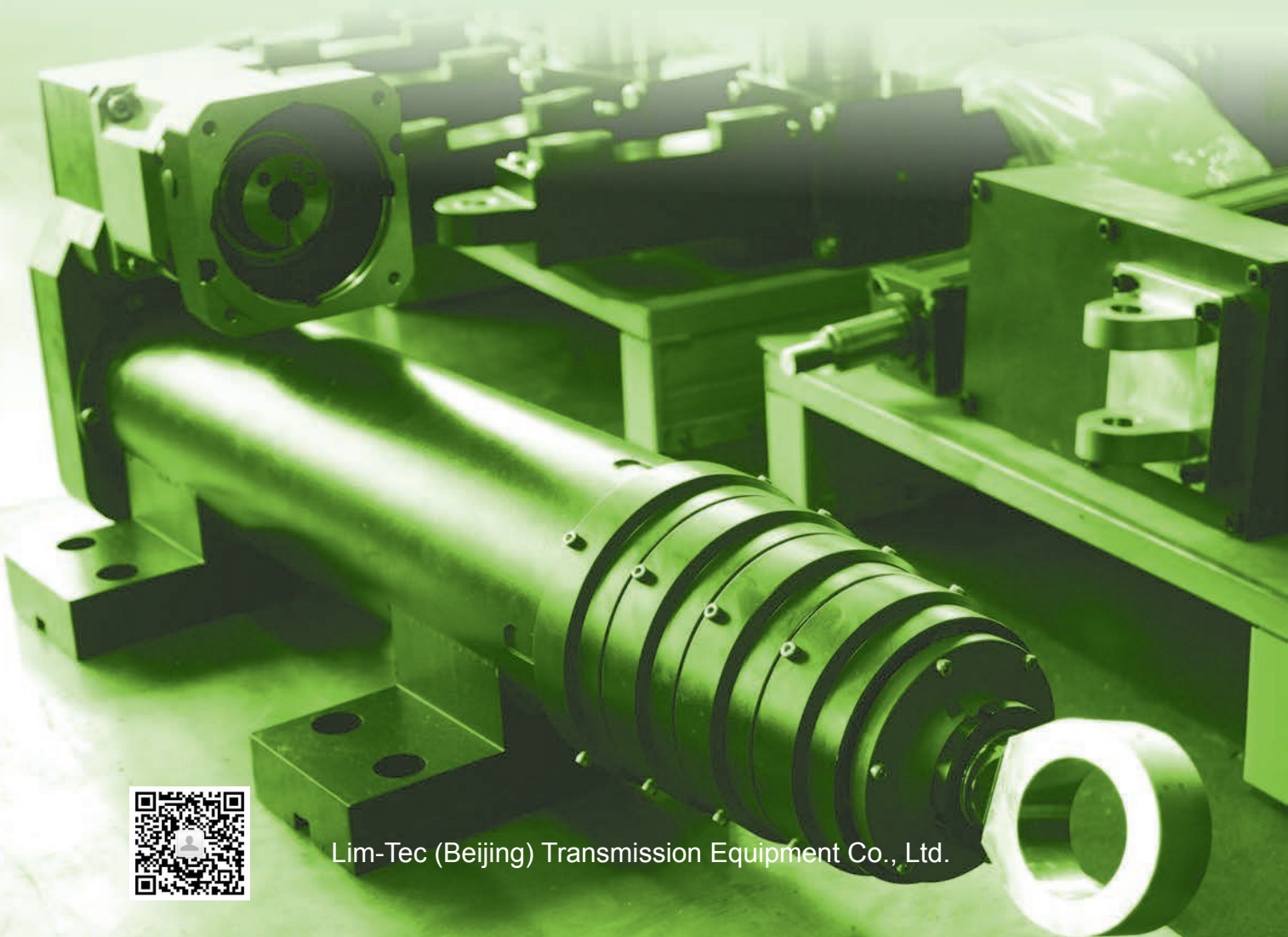


CODE: 836388

Lim-Tec[®] Catalog 2024

TL-Series (Telescopic)



Lim-Tec (Beijing) Transmission Equipment Co., Ltd.

On Feb.25, 2016, Lim-Tec successfully landed on NEEQ with the code of 836388, pioneering the linear motion development in China.

In 2005, Joint Venture Enterprise Lim-Tec (Beijing) Transmission Equipment Co.,Ltd was set up by Lim-Tec Group and Beijing Reloh International Trade Co., Ltd to introduce advanced European linear motion technology and the concept of modular combination design, guiding the new direction of domestic screw jack and linear actuator industry.

We have more than 10 branch offices in China to provide high-quality products, well-rounded technical support and prompt after-sales service. Up to Nov.30, 2020, there were 200000 sets of products successfully applied to automobile equipment, automation assembly, metallurgical industry,aerospace industry, port machinery and other industries.

200 million RMB has been invested to introduce nearly a hundred CNC machine tools as well as to build a modern 20 thousand metre square plant with constant temperature control. Eventually, our anual production capacity has reached 50 thousand sets, making Lim-Tec a competitive and professional linear actuator/screw jack/servo actuator manufacturing centre in the world.





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「 TL SERIES MULTI-STAGE TELESCOPIC ELECTRIC CYLINDER 」

■ Multi-stage telescopic electric cylinder features:

Multi-stage electric cylinders can be divided into: two stage II, three stage III, four stage IV, five stage V, and six stage VI with longest stroke reaching up to 12 meters.

Multi-stage electric cylinders can be classified according to screw type into: ACME screw and ball screw.

Load range: 10kgs to 20 tons.

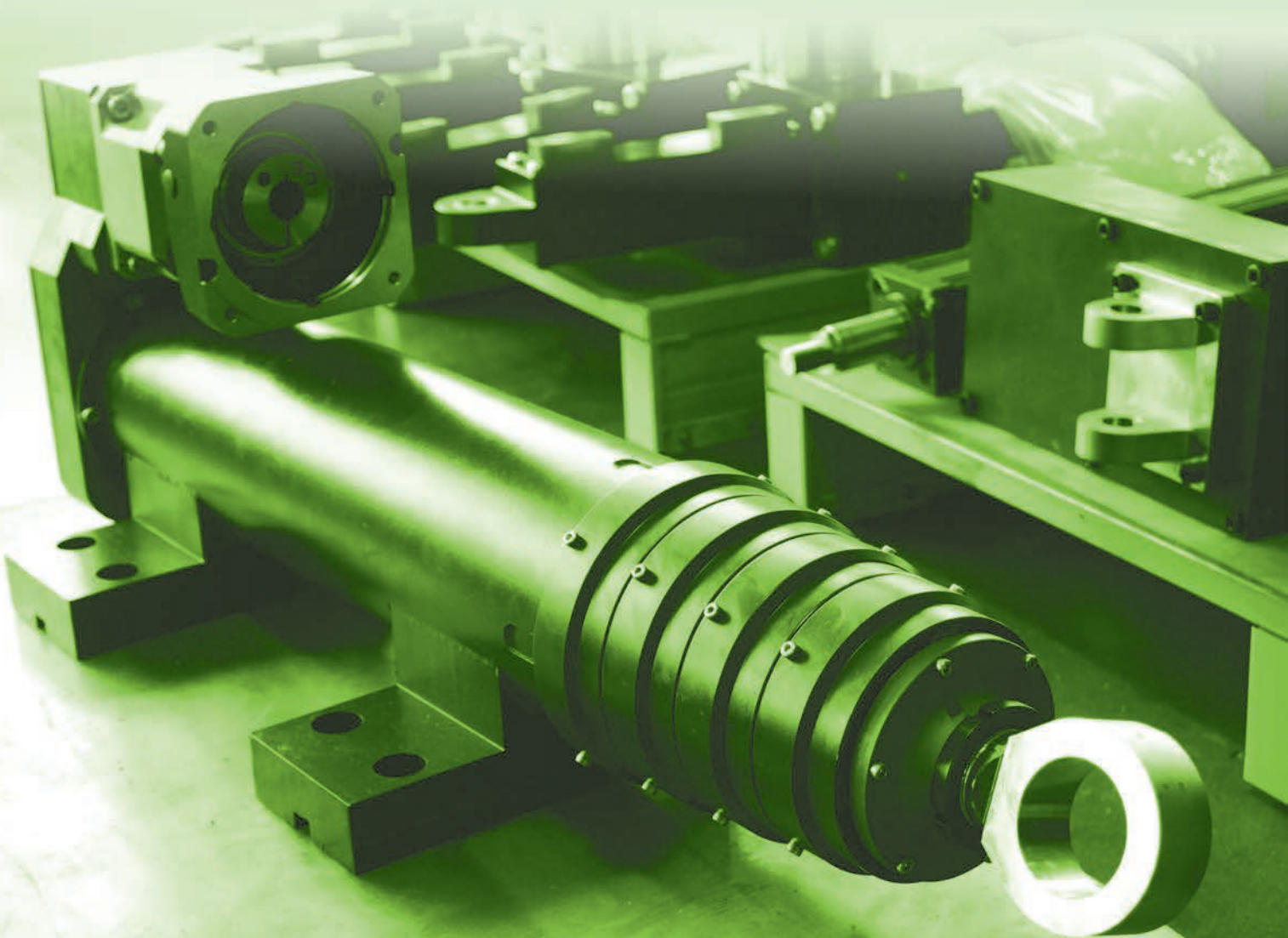
Stroke range: up to 12 meters.

Speed range: 10-200mm/s.

Positioning accuracy: 0.1mm, closed-loop can achieve higher accuracy.

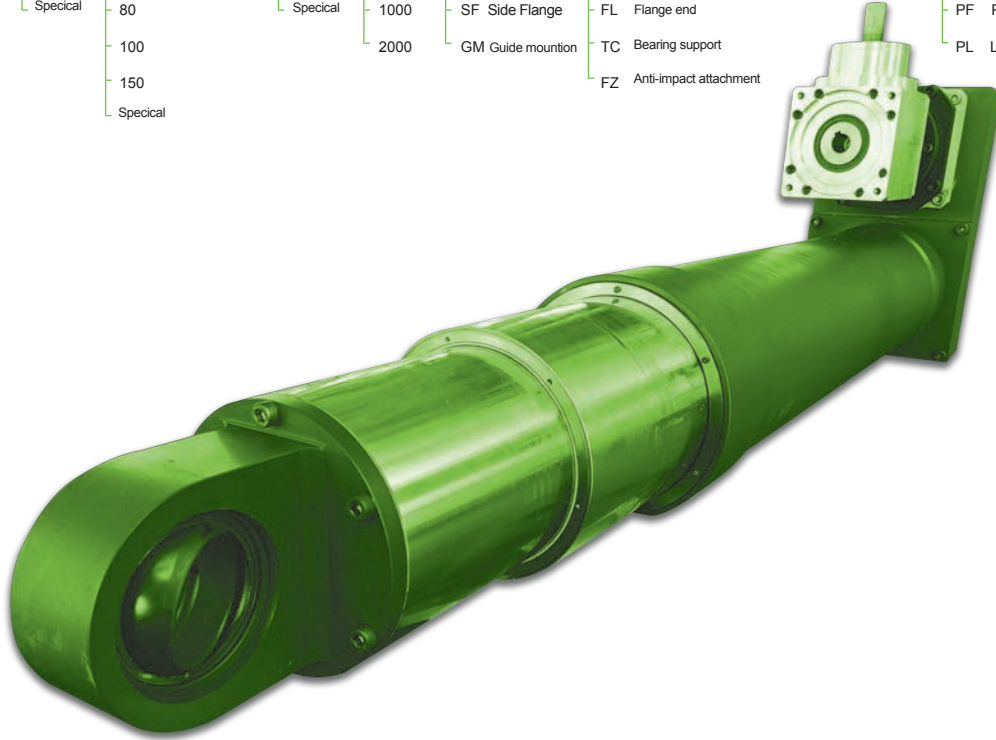
Silence, maintenance-free for a lifetime.

Custom designs available: hollow shaft, stainless steel, etc.



Coding:

Series	Stage	Size	Telescoping mode	Lead	Stroke	Mounting	Front attachment	Input version	Accessories	Motor
TLA Acme screw	II	01	T Synchronous	6	100	FF Front Flange	BA Femalethread	GX Planetary reducerX:1	AR Anti-Rotate device	Lenze
	IV	25		18	500	RC Rear clevis	ROE Rod end	P10 Parallel 1:1 ratio	FCP Inductive proximity switches	Yaskawa
	V	50		24	700	ST Trunnion	TS Ball joint	P20 Parallel 2:1 ratio1	SP Rear bracket	Panasonic
	Special	60	Special	Special	900	SH Side mount	FO Clevis end	PGXX Gear housing	B Bellow	Mitsubishi
		80			1000	SF Side Flange	FL Flange end	PF Pre-load	FUJI	
		100			2000	GM Guide mounion	TC Bearing support	PL Load Sensor	Other	
		150					FZ Anti-impact attachment			
	Special									

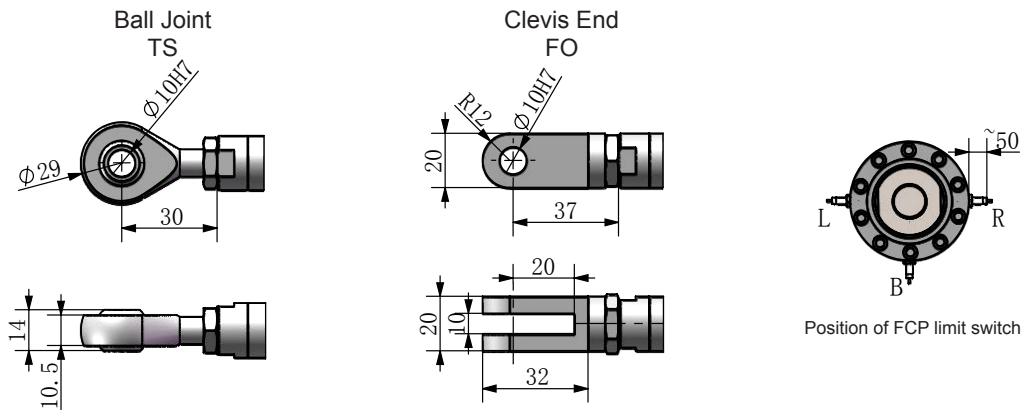


Performance table:

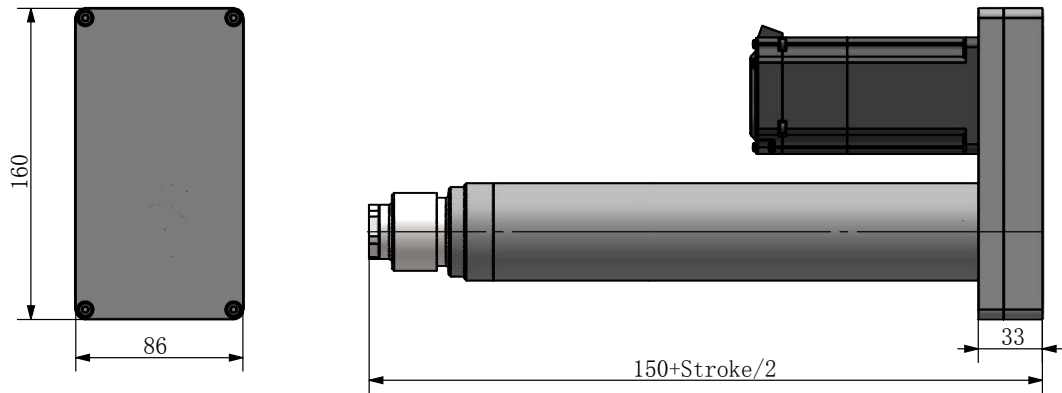
Model	TLA									
	Two-stage cylinder II						Three-stage cylinder III			Four-stage cylinder IV
	02	25	40	50	60	100	01	20	30	30
Lead mm	6	6	12	14	18	30	10	12	16	16
Rated force KN	0.5	12	30	50	150	200	0.3	3	5	8
Max. Speed mm/s	100	145	160	175	226	292	50	90	110	100
Torque at rated force Nm	2.86	68.62	343.09	667.12	2573.17	5718.15	3.81	34.31	45.75	121.99
Max. Stroke mm	1000	1500	1500	2000	2500	2800	1000	1500	2500	2000
Efficiency	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Max. input rpm	2750	2000	1500	1000	1000	750	2750	2200	2200	2000
Weight (Without motor) kg	58	140	160	180	310	560	63	98	108	126
Weight per 100mm stroke kg	4.5	6.4	7.1	8.5	12.2	21.2	5.3	8.3	9.6	7.6
Max.idling angle	± 0.3	± 0.3	± 0.3	± 0.3	± 0.3	± 0.3	± 0.3	± 0.3	± 0.3	± 0.3
Lead Tolerance within 300mm/mm	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Repeat accuracy mm	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

TLA II 02 Overall Dimension:

Front Attachment

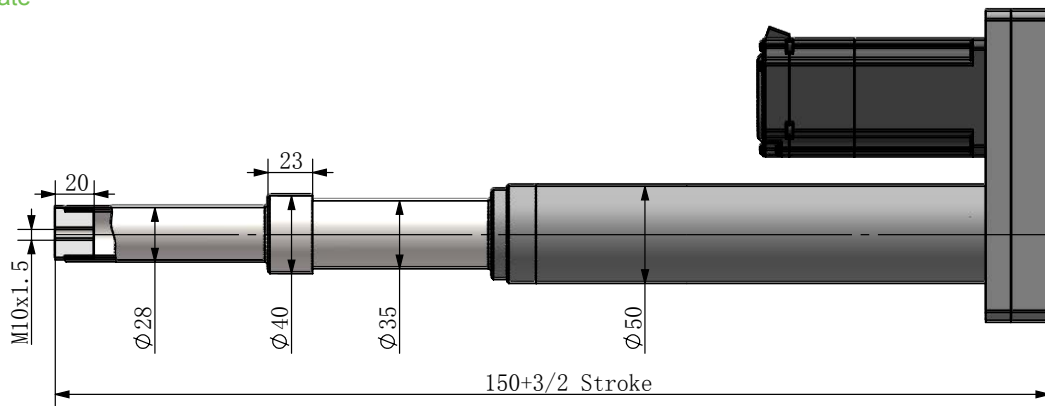


Retracted state



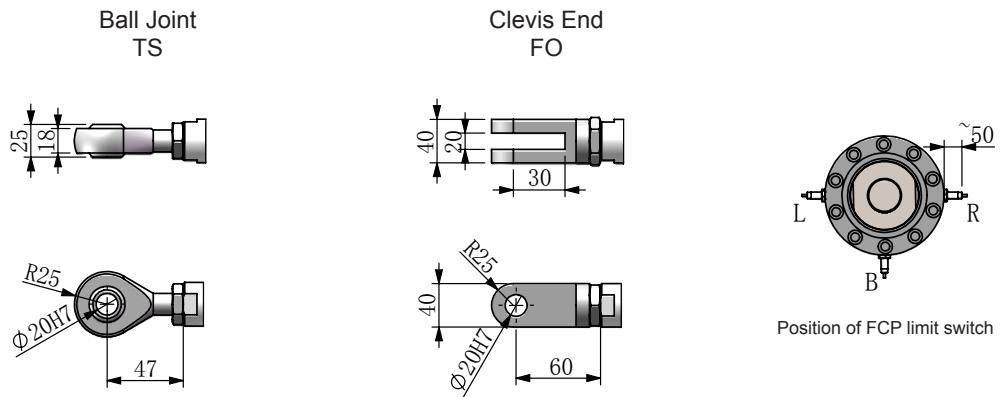
Female Thread
 BA

Extended state

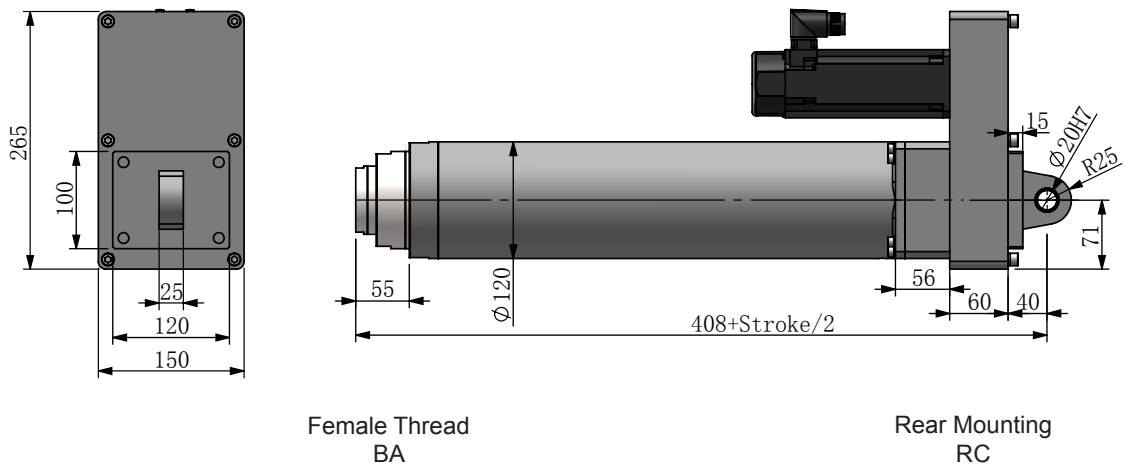


TLA II 25 Overall Dimension:

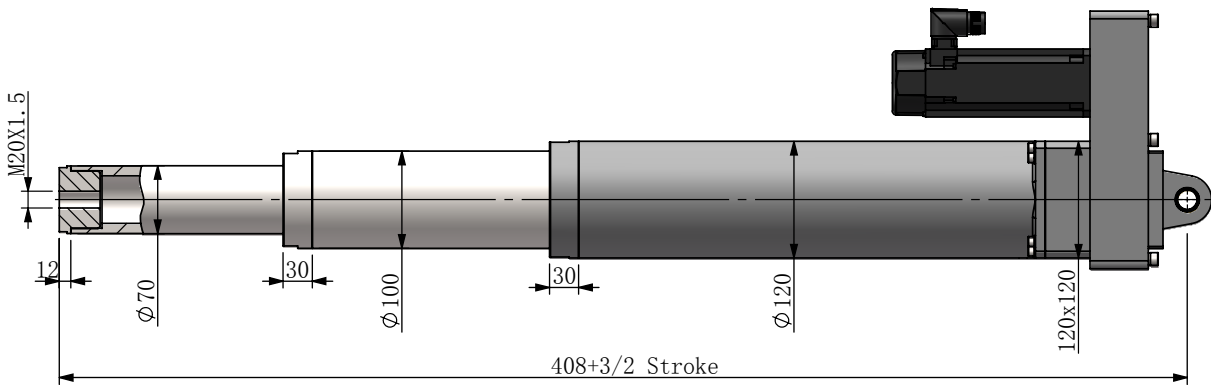
Front Attachment



Retracted state

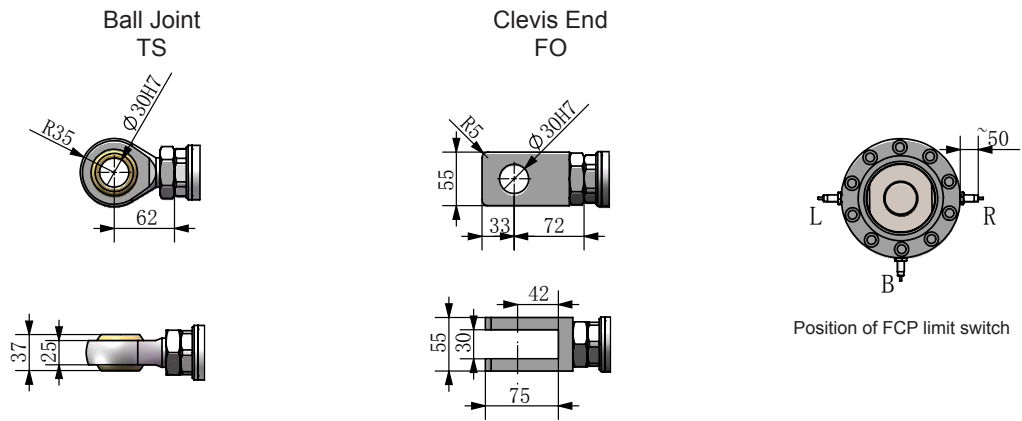


Extended state

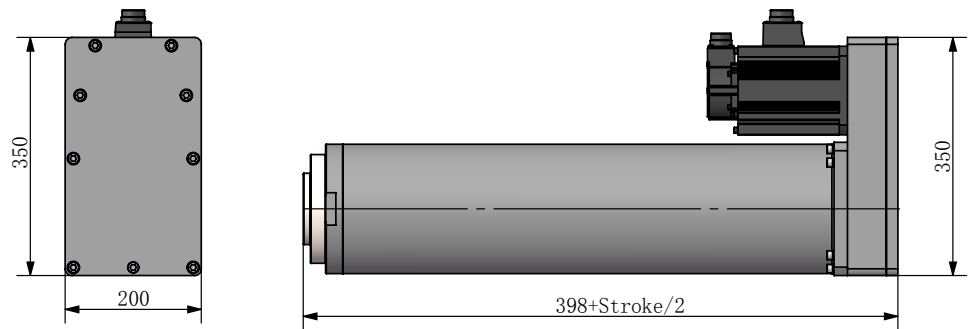


TLA II 40 Overall Dimension:

Front Attachment

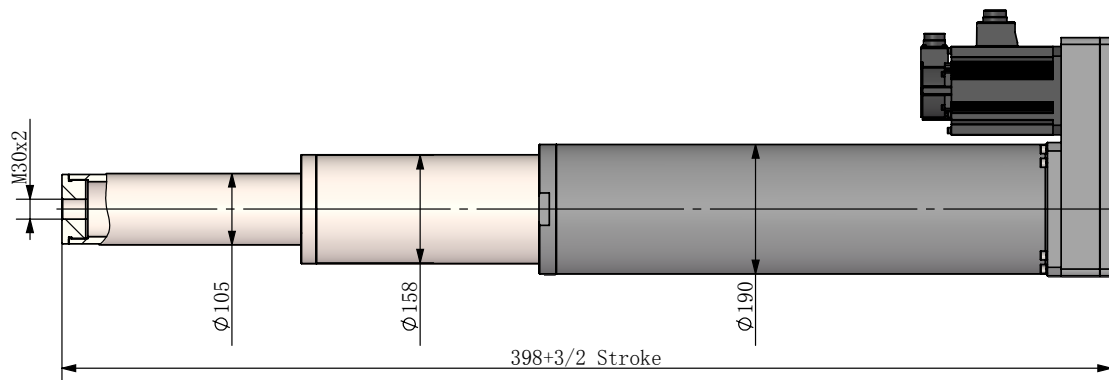


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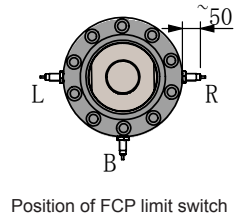
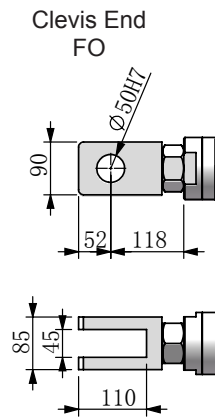
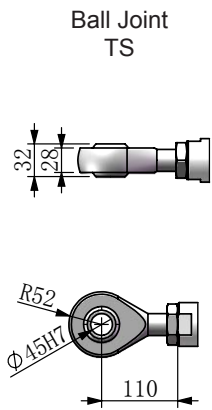
Female Thread BA

Extended state

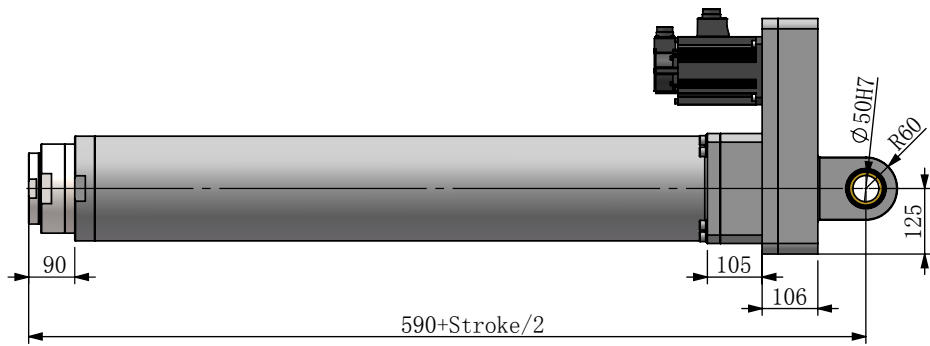
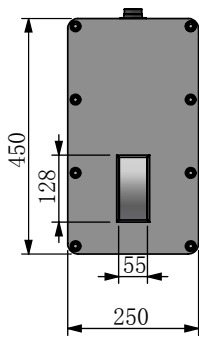


TLA II 50 Overall Dimension:

Front Attachment



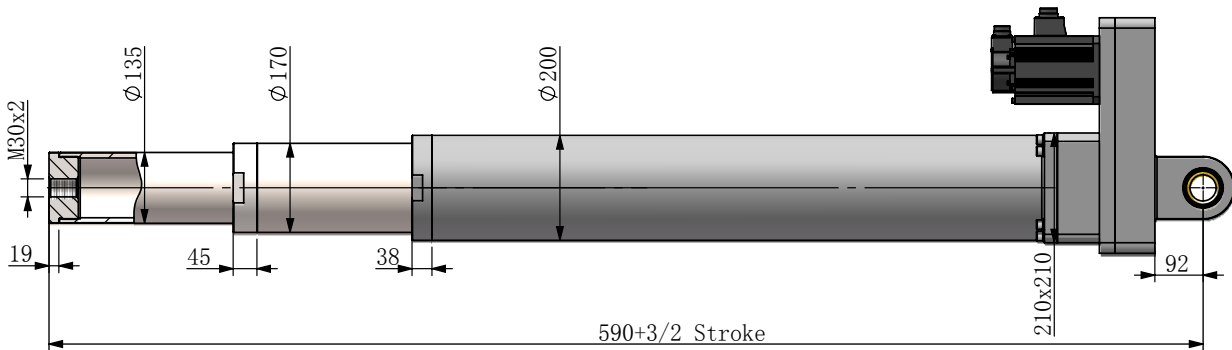
Retracted state



Female Thread
BA

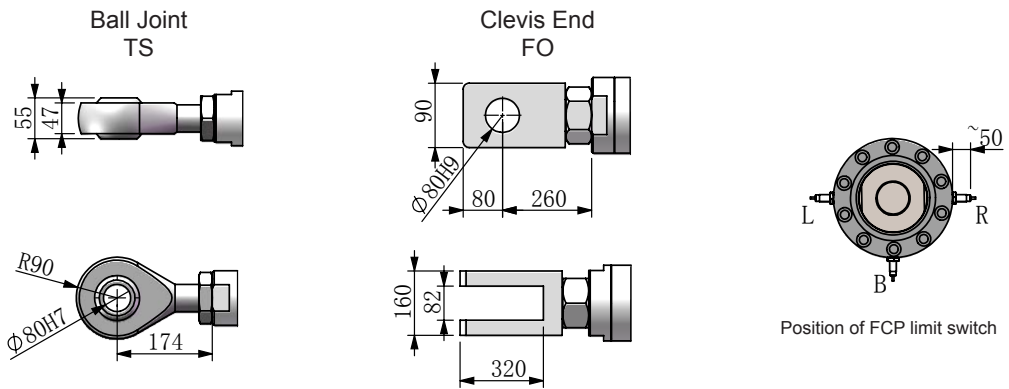
Rear Mounting
RC

Extended state

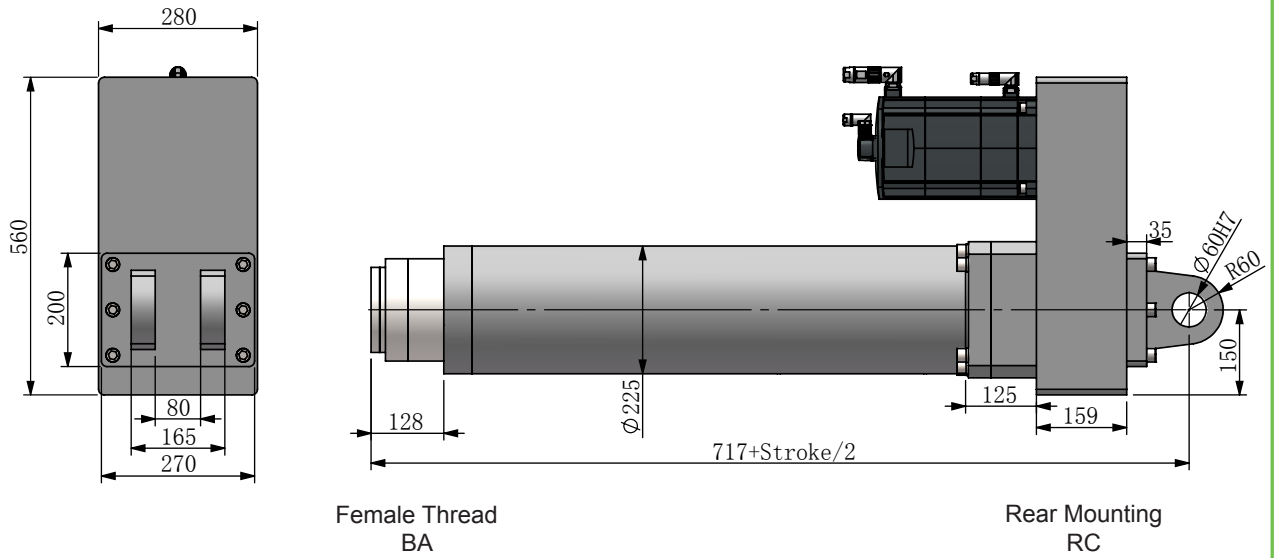


TLA II 60 Overall Dimension:

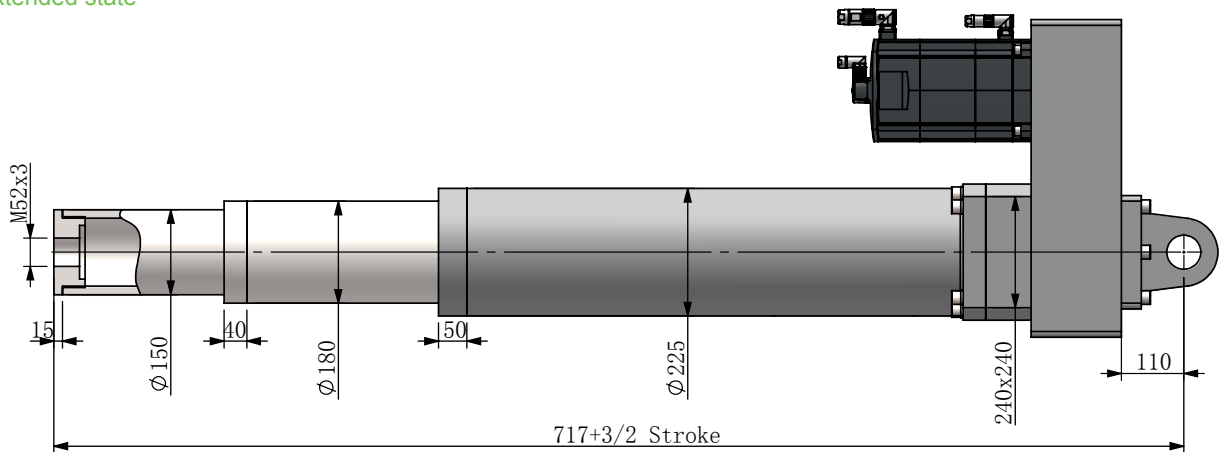
Front Attachment



Retracted state

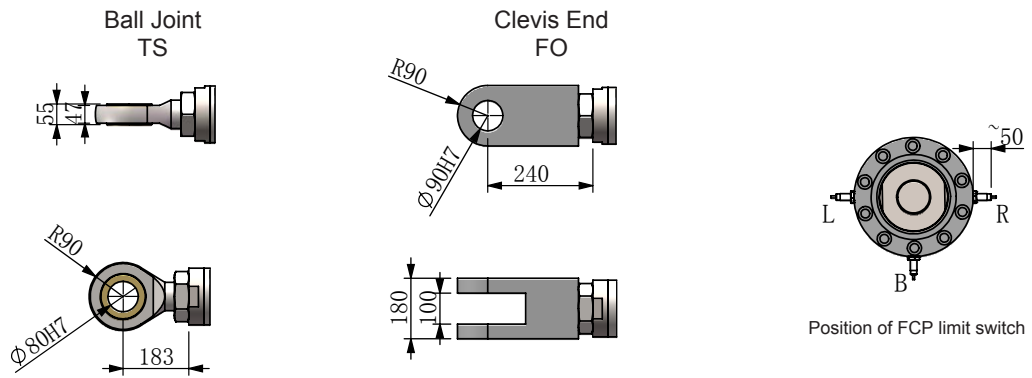


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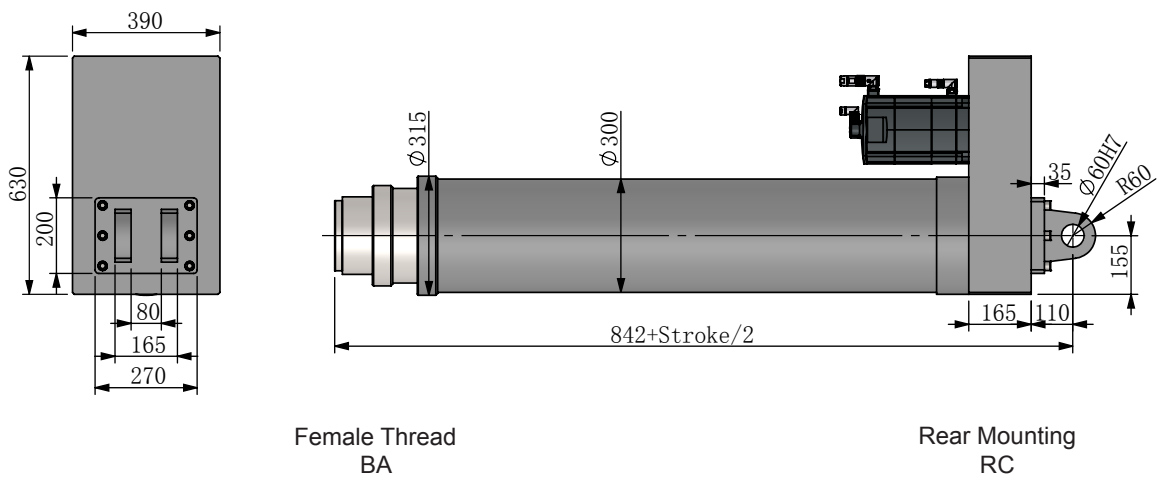


TLA II 100 Overall Dimension:

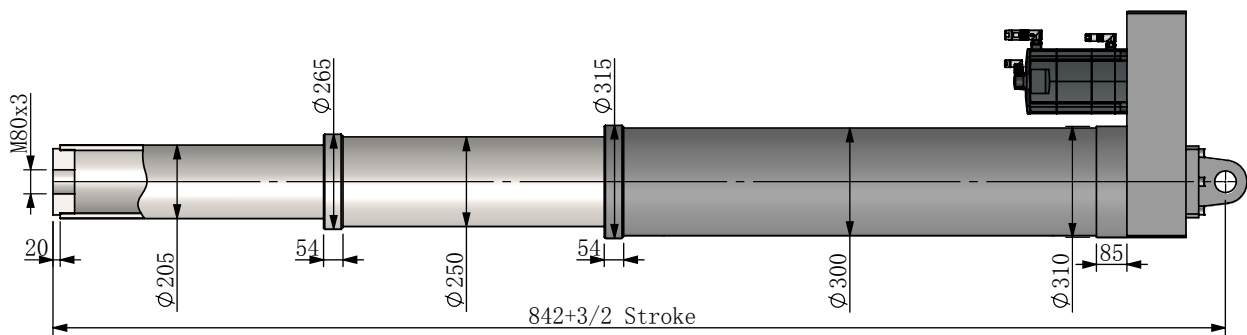
Front Attachment



Retracted state

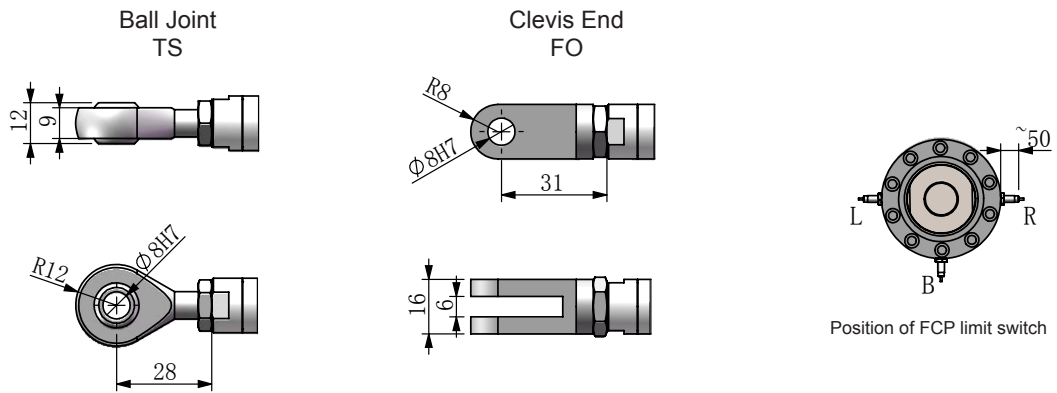


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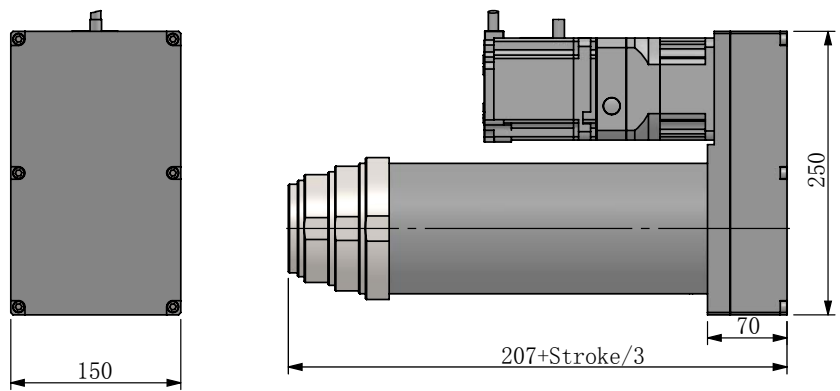


TLA III 01 Overall Dimension

Front Attachment

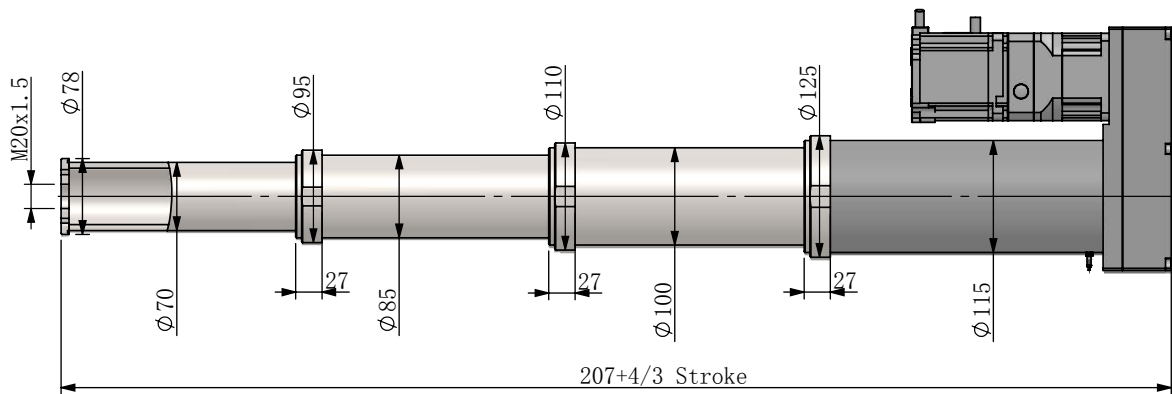


Retracted state



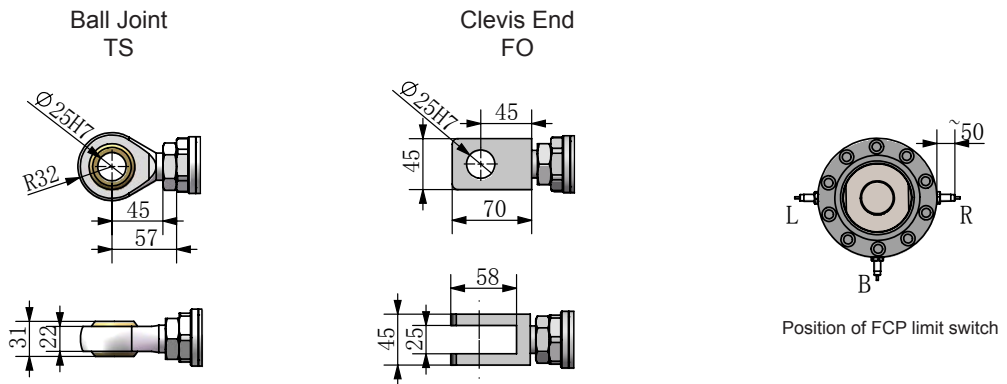
Female Thread BA

Extended state

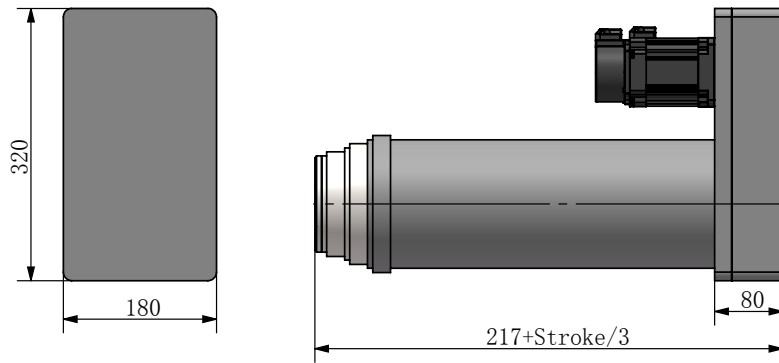


TLA III 20 Overall Dimension

Front Attachment

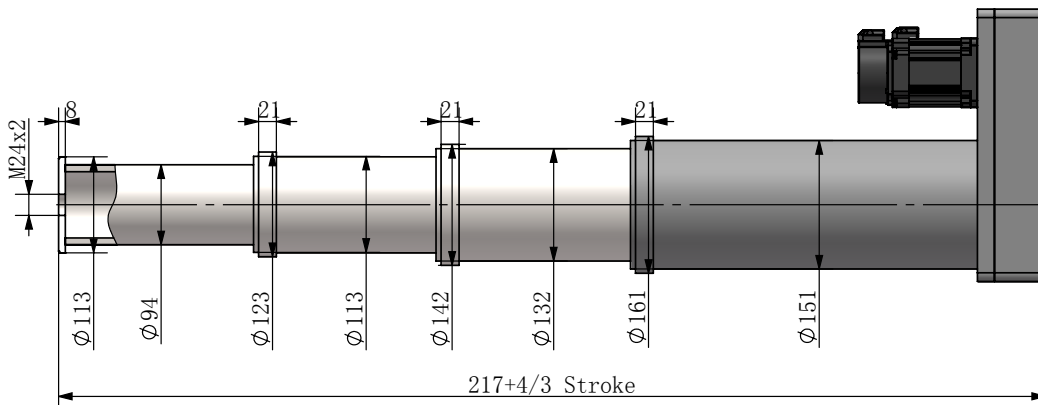


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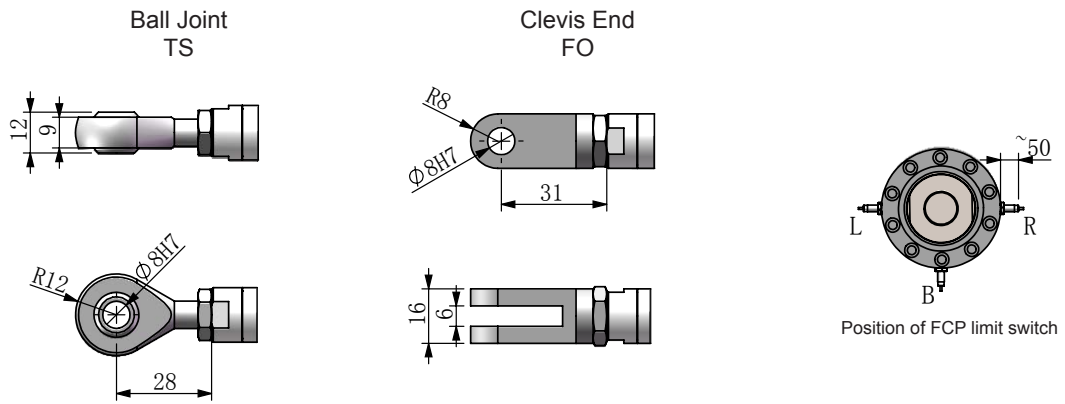
Female Thread
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Extended state

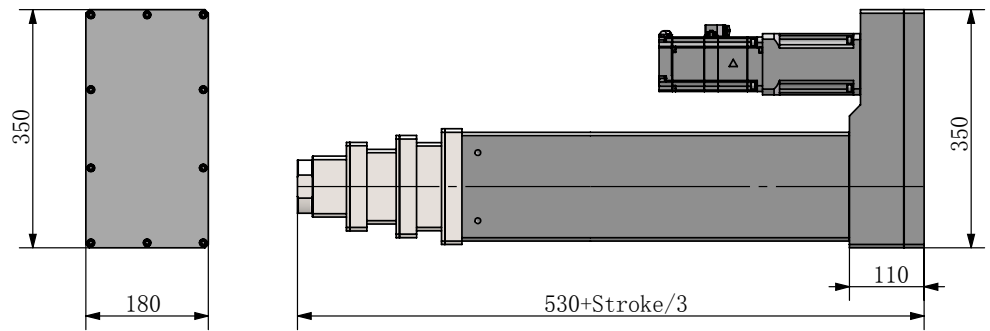


TLA III 30 Overall Dimension

Front Attachment

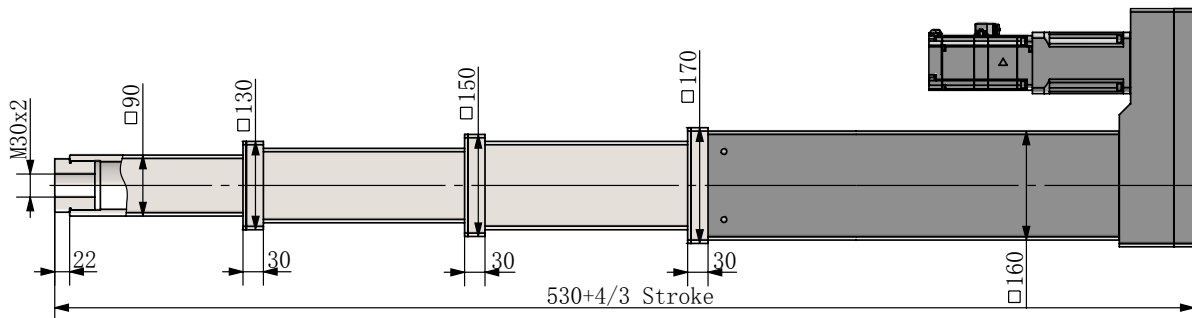


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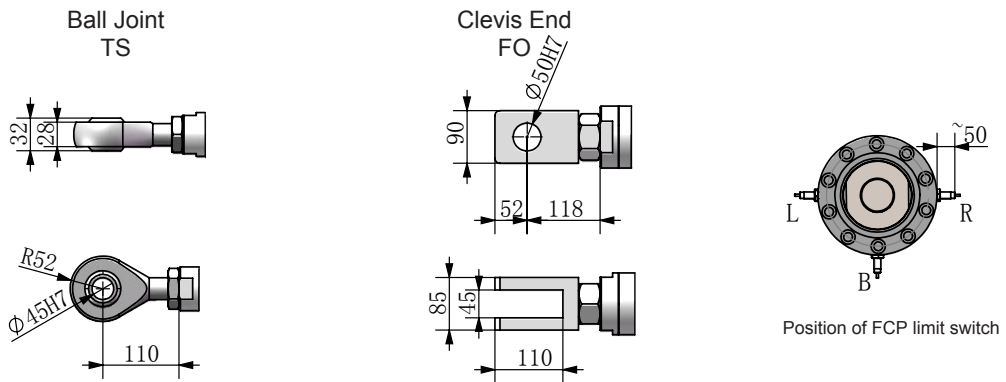
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Extended state

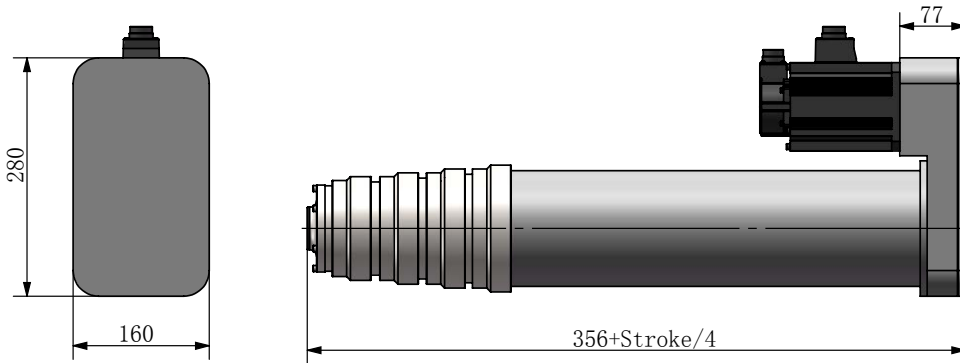


TLAIV 30 Overall Dimension

Front Attachment

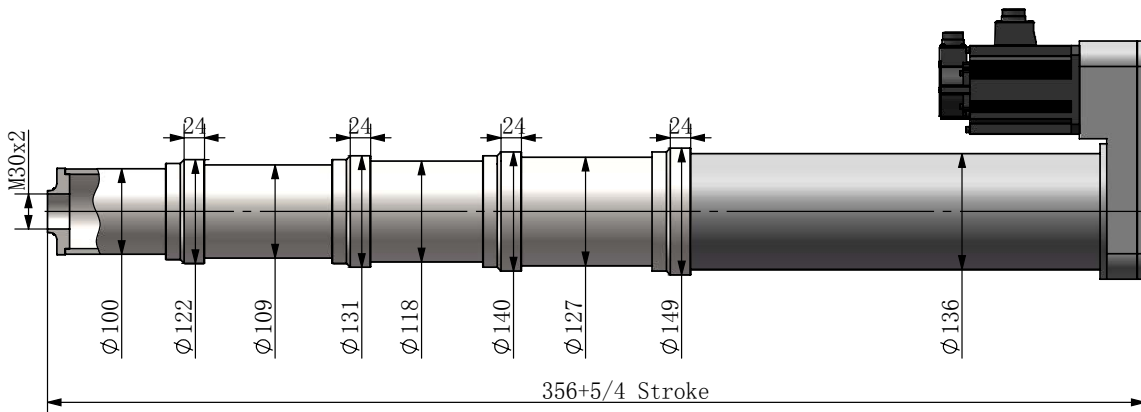


Retracted state



Female Thread BA

Extended state



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