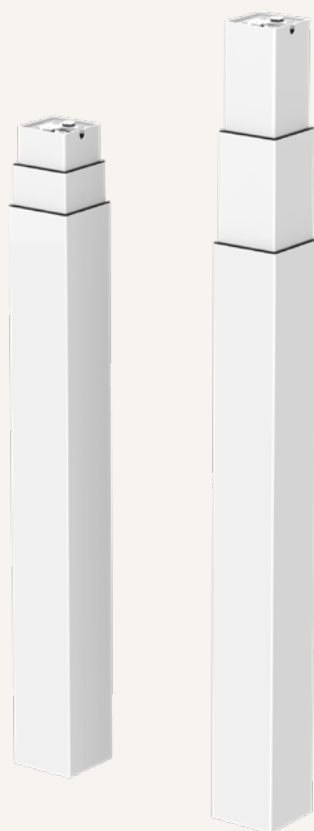


TL20S

series



Product Segments

- **Ergo Motion**

The TL20S has a three-stage telescopic outer tube design that has a narrow top and wide bottom square appearance, with an embedded inline actuator (TA20). The TL20S is ideally suited for ergonomic furniture applications as it comes without a motor housing. It is the perfect choice for design-oriented lifting furniture that needs a clean appearance while simultaneously optimizing space.

Features

- Load and speed per column¹²

Code	Load (N)	Self Locking Force (N)	Current (A) with 24V DC		Speed (mm/s) with 24V DC	
	Push		No Load	With Load	No Load	With Load
C	700	700	≤ 2.2	≤ 5.5	42.0	30.0

- Retracted length
 - Standard outer tube:
 - 590mm
 - 560mm (M)
 - 520mm (S)
 - Extended outer tube:
 - 610mm
 - 580mm (M)
 - 540mm (S)
- Stroke
 - 650mm
 - 660mm (M/S)
- Outer profile
 - 70*70mm square
- Stages
 - 3-stage
- Output signals
 - Hall sensor * 2
- Voltage
 - 24V DC
- Color³
 -  RAL9005
 -  RAL9006
 -  RAL9016
 -  RAL9022
- Product weight
 - 6.5kg /column
- Inline column

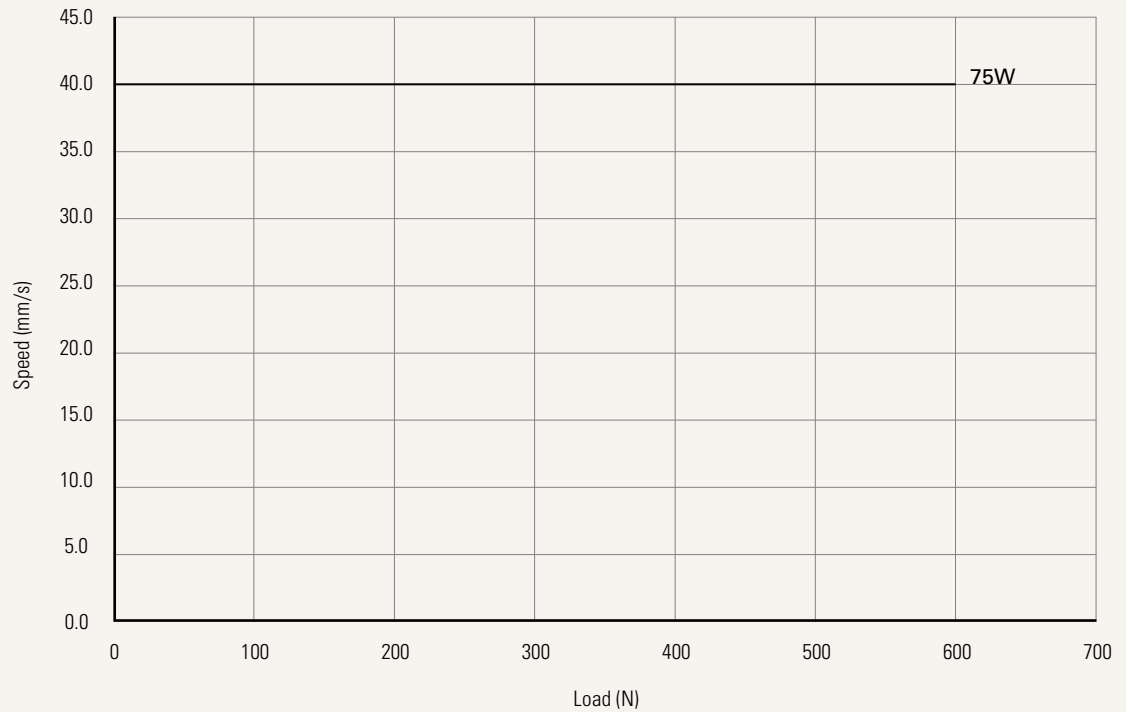
Note

- ¹ The self locking force, current, and speed performance are tested with TiMOTION control boxes.
- ² The parameters are based on average test values; final specifications are subject to the approval drawings.
- ³ For more color options, please consult your sales representative.

Performance Data with Control Box

The following is the performance data of one column driven by an Ergo Motion control box TC11P. The load is evenly distributed on the work surface.⁴

- TL20S, two columns driven by TC11P



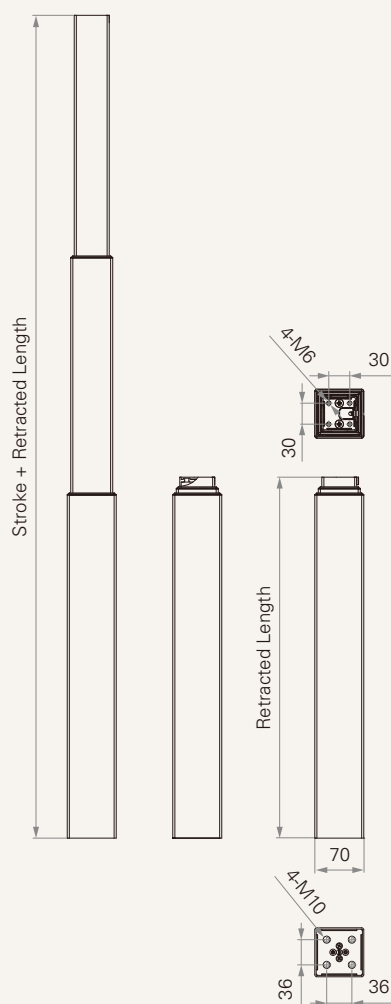
TC11P Spec	Load (N)	Constant Speed (mm/s) with TC11P
75W	600	40

Note

⁴ The corresponding control box software is required.

Drawing

Standard Dimensions
(mm)



Stroke & Retracted Length

Standard Outer Tube Compatible with Foot (Excluding Foot)	Options	Stroke (mm)	Retracted Length (mm)
	Standard	650	590
	M	660	560
	S	660	520
Extended Outer Tube Compatible with Shoe (Excluding Shoe)	Standard	650	610
	M	660	580
	S	660	540

Note

¹ Only specific TEK could be with the shoes, please refer to TEK speccode.

TL20S Ordering Key

TL20S

Version: 20260119-I

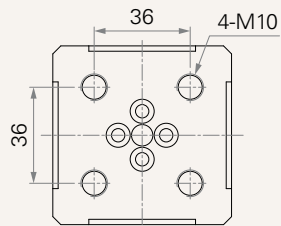
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Note

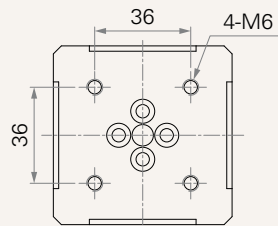
¹ The TL is designed especially for push applications, not suitable for pull applications.

Bottom Plate Type (mm)

1 = M10, 36*36, TiMOTION standard

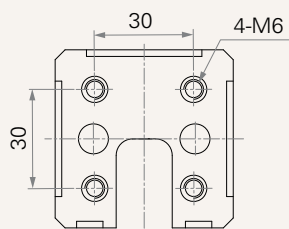


2 = M6, 36*36, TiMOTION standard



Top Plate Type (mm)

2 = M6, 30*30, TiMOTION standard



Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application. TiMOTION products are subject to change without prior notice.