

TL6

series



Product Segments

- **Ergo Motion**

The TL6 has a three stage telescopic outer tube that is designed for a narrow-top, wide-bottom round appearance, with an inline actuator (TA20) embedded. Without a motor housing design, it is suitable for ergonomic furniture applications. It is the perfect choice for design-oriented lifting furniture in need of a neat structure and space optimization.

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	30

- 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
 - Ø70mm round
- Stages
 - 3-stage
- Output signals
 - Hall sensor * 2
- Voltage
 - 24V DC
- Color³
 -  RAL9005
 -  RAL9006
 -  RAL9016
 -  RAL9022
- Operational temperature range
 - +5°C~+45°C
- Product weight
 - 6.5kg /column
- Inline column
- The TL6 can only be used in pairs; single column usage is not recommended

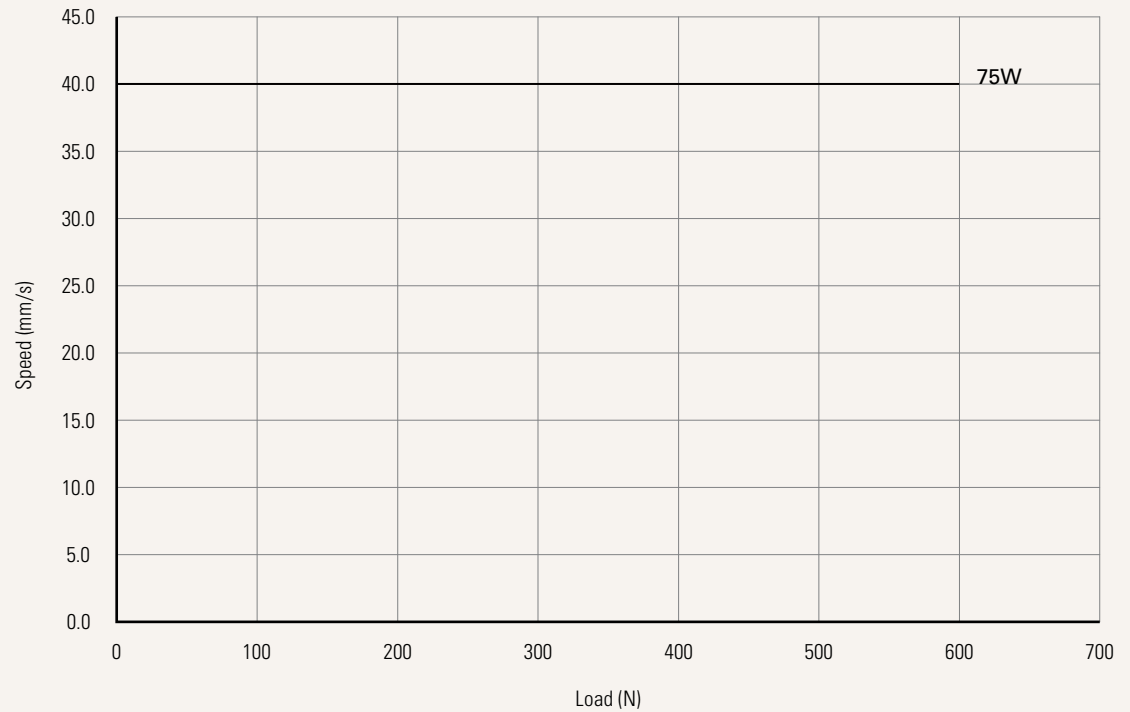
Note

- 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

- TL6, two columns driven by TC11P



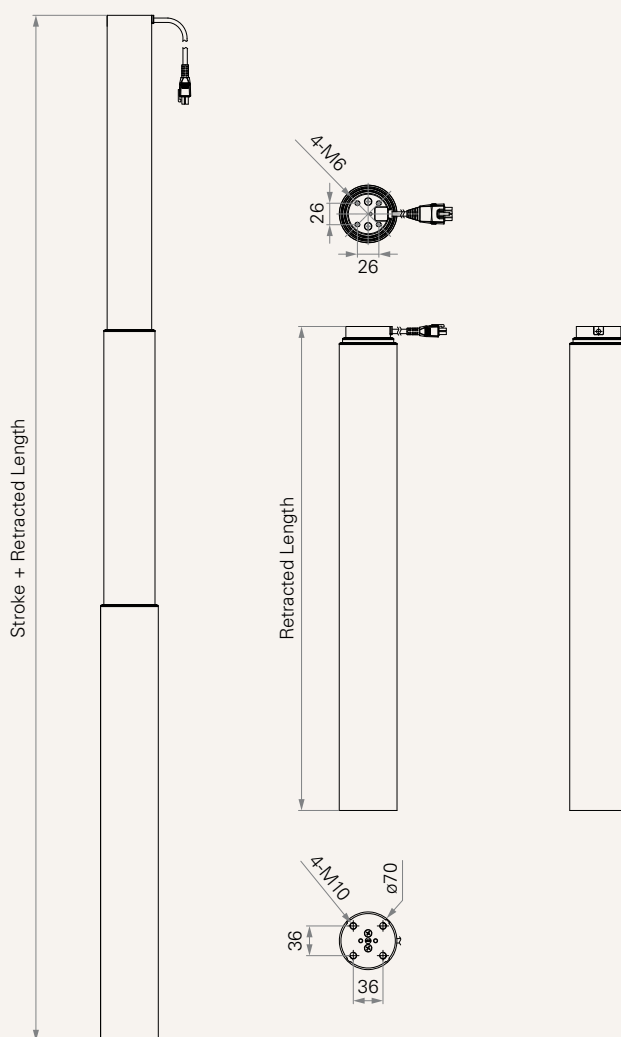
TC11P Spec	Load (N)	Constant Speed (mm/s) with TC11P
75W	600	40

Note

⁴ The corresponding control box software is required.

Drawing

Standard Dimensions
(mm)



Stroke & Retracted Length

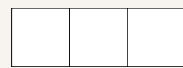
	Options	Stroke (mm)	Retracted Length (mm)
Standard Outer Tube Compatible with Foot (Excluding Foot)	Standard	650	590
	M	660	560
	S	660	520
Extended Outer Tube Compatible with Shoe (Excluding Shoe)	Standard	650	610
	M	660	580
	S	660	540

Note

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

TL6

Version: 20260116-K



Appearance of Tubes	C = Without wiper fixing holes at sides			
Voltage	2 = 24V DC			
Load and Speed	See page 2			
Stroke & Retracted Length (mm)	650 590 = Standard * Please refer to See page 4 for others.			
Color	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
Wiper Color	1 = Black	2 = White	3 = Grey	4 = Matte black
Bracket	0 = Without			
Bottom Plate Type (mm)	1 = M10, 36*36, TiMOTION standard		2 = M6, 36*36, TiMOTION standard	
	See page 6			
Top Plate Type (mm)	2 = M6, 26*26, TiMOTION standard			
	See page 6			
Output Signals	2 = Hall sensor * 2			
Connector	G = Molex 6P, plug, standard			
Cable Length (mm)	1 = Straight, 200, standard			
Extension Cable Connector	0 = Without 1 = Molex 6 pin (plug) to Molex 8 pin (plug), 180°plug 2 = Molex 6 pin (plug) to Din 6 pin (plug) 3 = Molex 6 pin (plug) to Molex 8 pin (plug), 90°plug, without anti-clip		4 = Molex 6 pin (socket) to Molex 8 pin (plug), 180°plug, standard 5 = Molex 6 pin (socket) to Molex 6 pin (plug), 180°plug, standard	
Extension Cable Length (mm)	0 = Without	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500

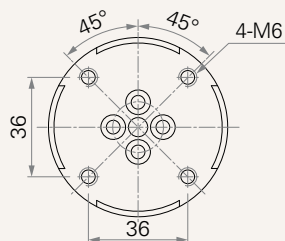
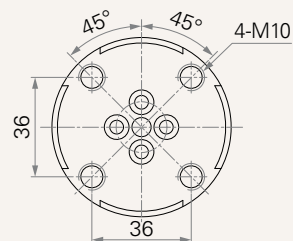
Note

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

Bottom Plate Type (mm)

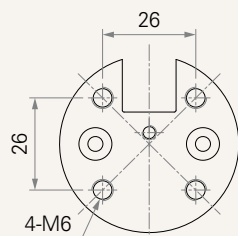
1 = M10, 36*36, TiMOTION standard

2 = M6, 36*36, TiMOTION standard



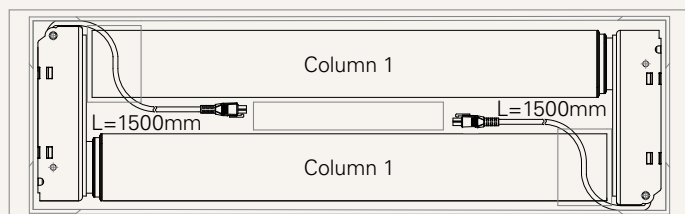
Top Plate Type (mm)

2 = M6, 26*26, TiMOTION standard



Package

Package of one TL part number

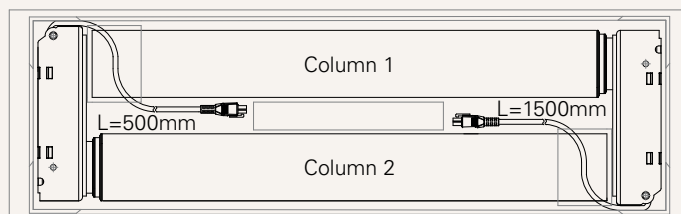


Column: 2 pcs TL/ box (Same PN & cable length)

Electronic control system: Without

Weight with package: 12KG

Package of two TL part numbers in pairs

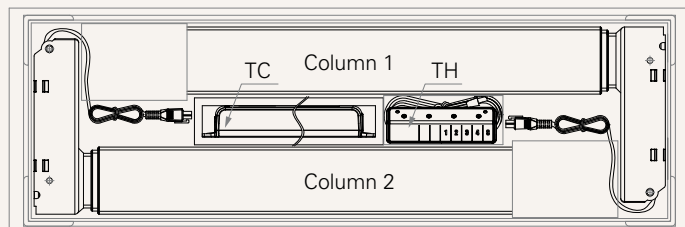


Column: 2 pcs TL / box (Different PN, cable length, for pair use)

Electronic control system: Without

Weight with package: 12KG

Package of MP part number set-TL in pairs + electronic control system



Column: 2pcs TL / box (Different PN, cable length, for pair use)

Electronic control system: TC + TH

Weight with package: 13KG

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.