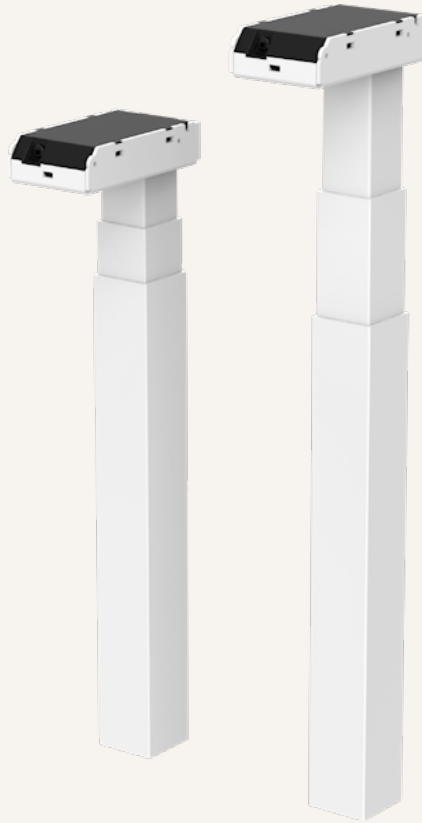


TL4K

series



Product Segments

- **Ergo Motion**

TiMOTION's TL4K series is a high-value lifting column designed explicitly for ergonomic desks, work tables, and other height-adjustable systems. Work surfaces adapt quietly and smoothly with synchronous movement. The TL4K is compatible with TC series Control Boxes and TH/TDH series controls, and it can be controlled quietly and smoothly with synchronous movement. All Ergo Motion TC series control boxes have a less than 0.1W standby power option that reduces power consumption. Our wide range of columns offers solutions to satisfy customers' working environment project requirements. The TL4K has a three-stage telescopic profile designed for a narrow-top, wide-bottom square appearance.

Features

- Load and speed per column¹²

Code	Load (N)	Self Locking Force (N)	Current (A) with 24V DC		Speed (mm/s) with 24V DC	
			No Load	With Load	No Load	With Load
D	600	600	2.5	6.0	38.0	24.0

- 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 sensors
- Voltage
 - 24V DC
- Color³
 -  RAL9005
 -  RAL9006
 -  RAL9016
 -  RAL9022
- Product weight
 - 7.3kg /column
- With motor house

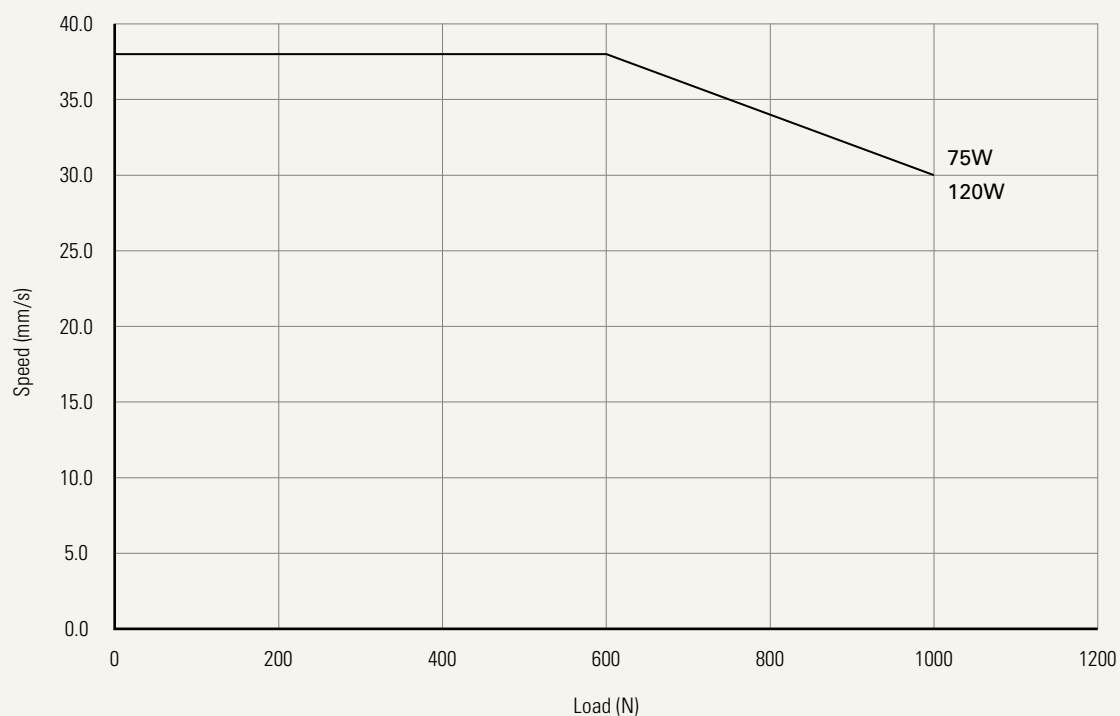
Note

- 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 two columns driven by an Ergo Motion control box TC15S. The load is evenly distributed on the work surface.⁴

- TL4K, two columns driven by TC15S



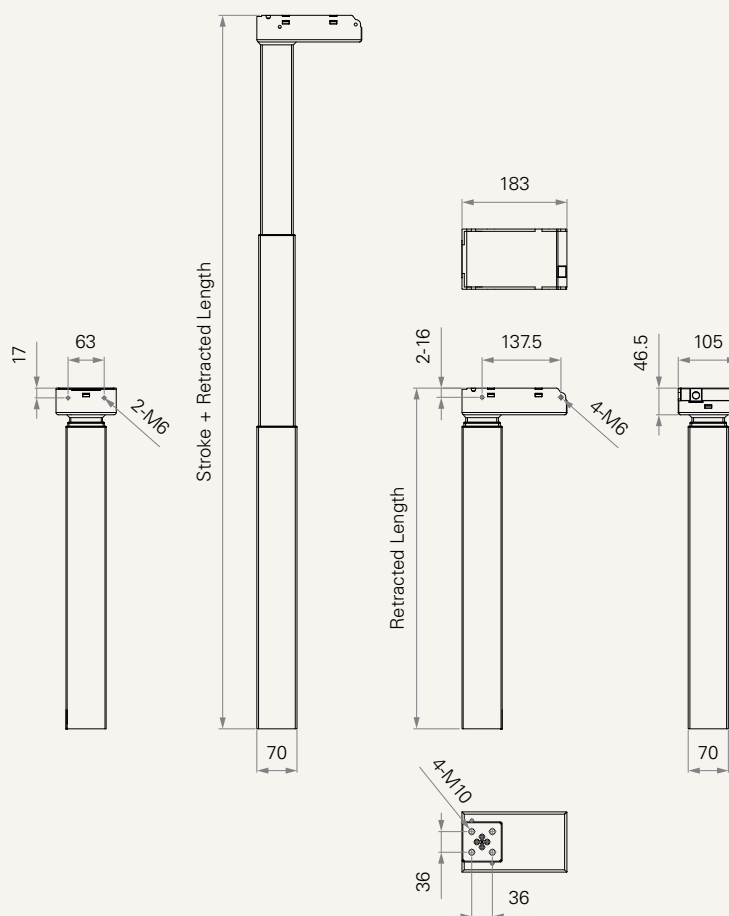
TC15S Spec	Load (N)	Constant Speed (mm/s) with TC15S
75W	1000	38
120W	1000	38

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	Standard	650	590
	M	660	560
	S	660	520
Extended Outer Tube	Standard	650	610
	M	660	580
	S	660	540

Note

- 1 Only specific TEK could be with the shoes, please refer to TEK speccode.
- 2 Reverse structure with shoe need to raise new function proposal.

TL4K

Version: 20250529-I



Appearance of Motor House C = TiMOTION standard N = Style N

[See page 6](#)



Voltage 2 = 24V DC



Load and Speed [See page 2](#)



Stroke & Retracted Length (mm) [See page 4](#)



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 5 = Left, triangle bracket
L = Left, Standard bracket 6 = Right, triangle bracket
R = Right, Standard bracket
B = Back, Standard bracket*2 (For wall mounting application)

Bottom Plate Type 1 = M10, 36*36, TiMOTION standard 2 = M6, 36*36, TiMOTION standard
[See page 7](#)



Bottom Plate Height 1 = Standard 2 = Extended outer tube for shoe



Output Signals 2 = Hall sensor * 2



Connector 1 = DIN 6P, 90° plug F = Molex 8P, 90°plug, without anti-clip, for TC22/TC23
E = Molex 8P, 180° plug, standard G = Molex 6P, 180° plug for TCH series



Cable Length (mm) 1 = Straight, 500 3 = Straight, 1000 4 = Straight, 1500

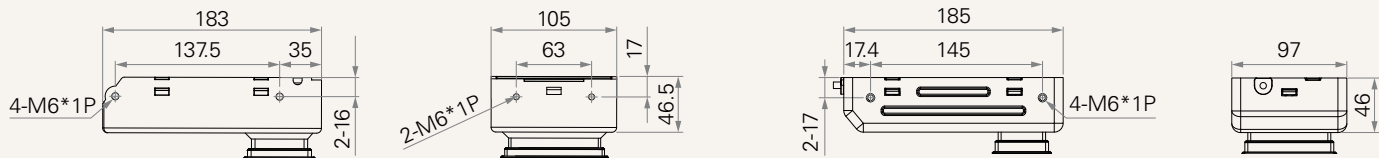
Note

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

Appearance of Motor House

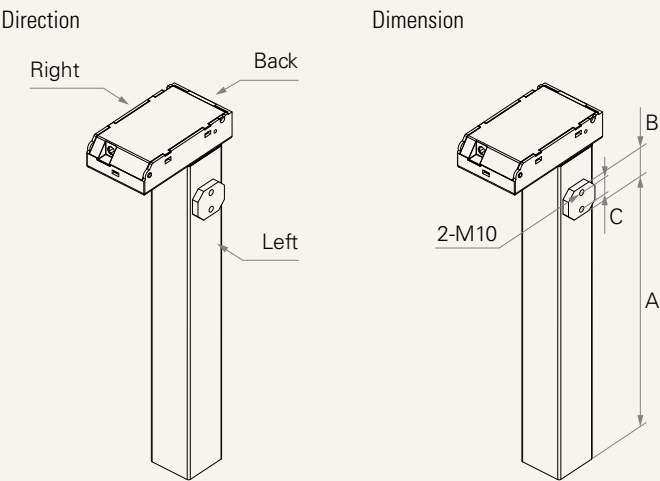
C = TiMOTION standard

N = Style N



Bracket

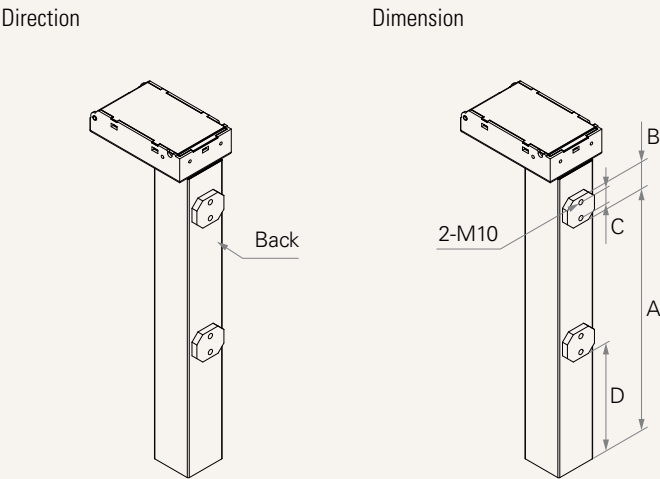
- Standard bracket



Standard Outer Tube	A (mm)	B (mm)	C (mm)
Standard	440.5	48	28
M	414.5	48	28
S	374.5	48	28

Extended Outer Tube	A (mm)	B (mm)	C (mm)
Standard	460.5	48	28
M	434.5	48	28
S	394.5	48	28

- Back, Standard bracket*2 (For wall mounting application)

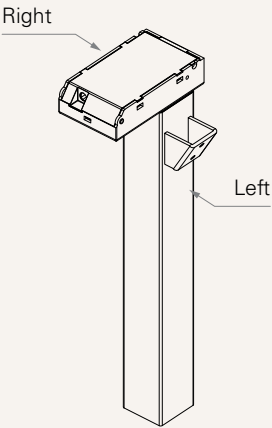


Extended Outer Tube for Wall Mounting Application	A	B	C	D
Standard	456	48	28	200
M	426	48	28	200
S	386	48	28	200

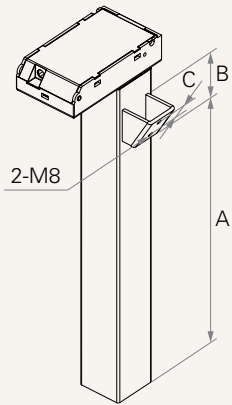
Bracket (mm)

- Triangle bracket

Direction



Dimension

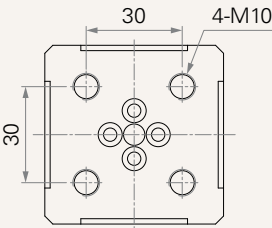


Standard Outer Tube	A (mm)	B (mm)	C (mm)
Standard	436.5	52	20
M	410.5	52	20
S	370.5	52	20

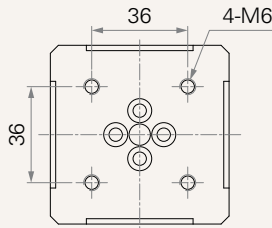
Extended Outer Tube	A (mm)	B (mm)	C (mm)
Standard	456.5	52	20
M	430.5	52	20
S	390.5	52	20

Bottom Plate Type

1 = M10, 36*36, TiMOTION standard

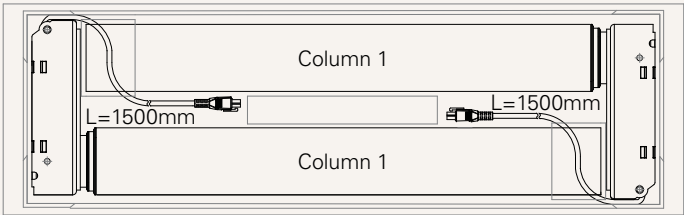


2 = M6, 36*36, TiMOTION standard



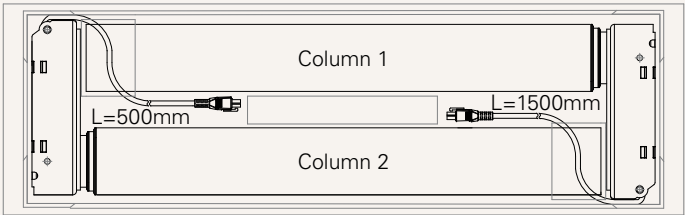
Package

Package of one TL part number



Column: 2pcs TL/box (Same PN& cable length)
Electronic control system: Without
Weight with package: 16KG

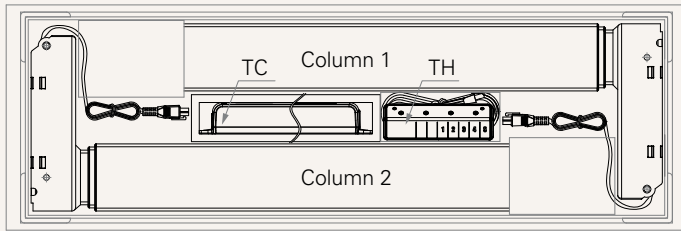
Package of two TL part numbers in pairs



Column: 2pcs TL/box (Different PN, cable length, for pair use)
Electronic control system: Without
Weight with package: 16KG

Package

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: 17KG

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.