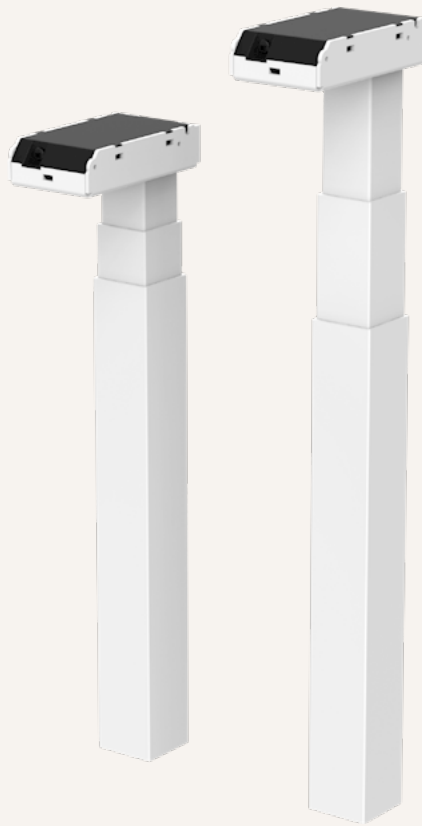


# TL4K

## 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 column<sup>12</sup>

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
<b>D</b>	600	600	2.5	6.0	38.0	24.0

- Retracted length      Standard (compatible with foot): 590 / 560(M) / 520(S)mm
- Stroke      650mm  
660mm (M/S)
- Outer profile      70\*70mm square
- Stages      3-stage
- Output signals      Hall sensors
- Voltage      24V DC
- Color<sup>3</sup>       RAL9005       RAL9006       RAL9016       RAL9022
- Product weight      7.3kg /column
- With motor house

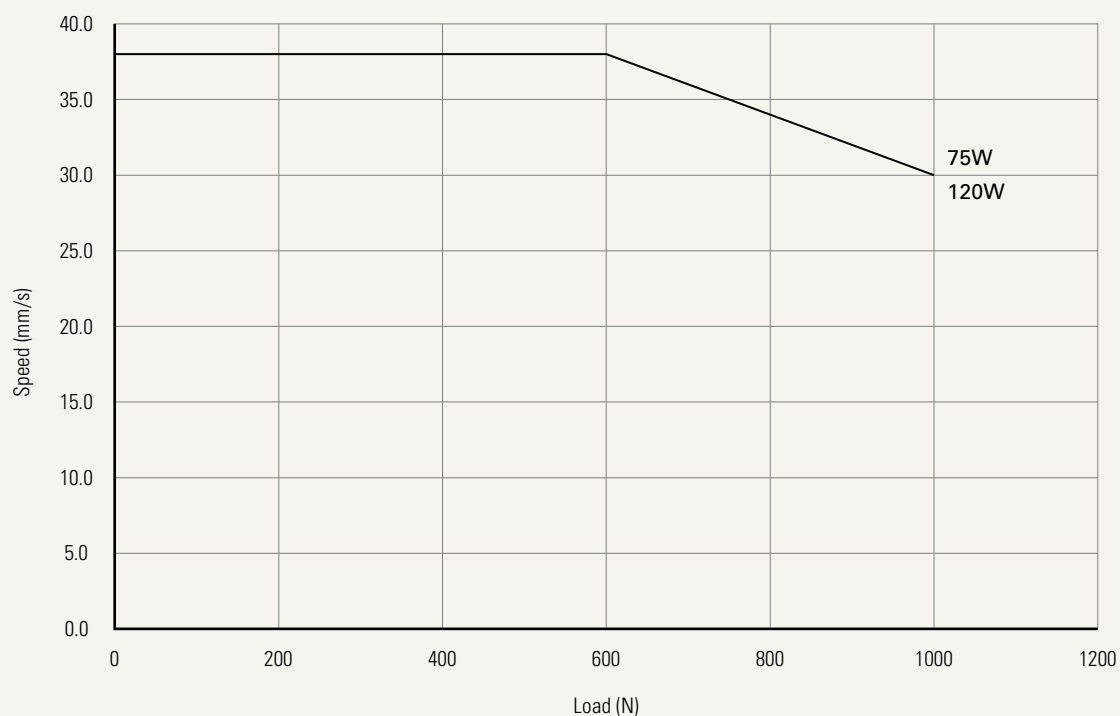
## Note

- <sup>1</sup> The self locking force, current, and speed performance are tested with TiMOTION control boxes.
- <sup>2</sup> The parameters are based on average test values; final specifications are subject to the approval drawings.
- <sup>3</sup> 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.<sup>4</sup>

- TL4K, two columns driven by TC15S



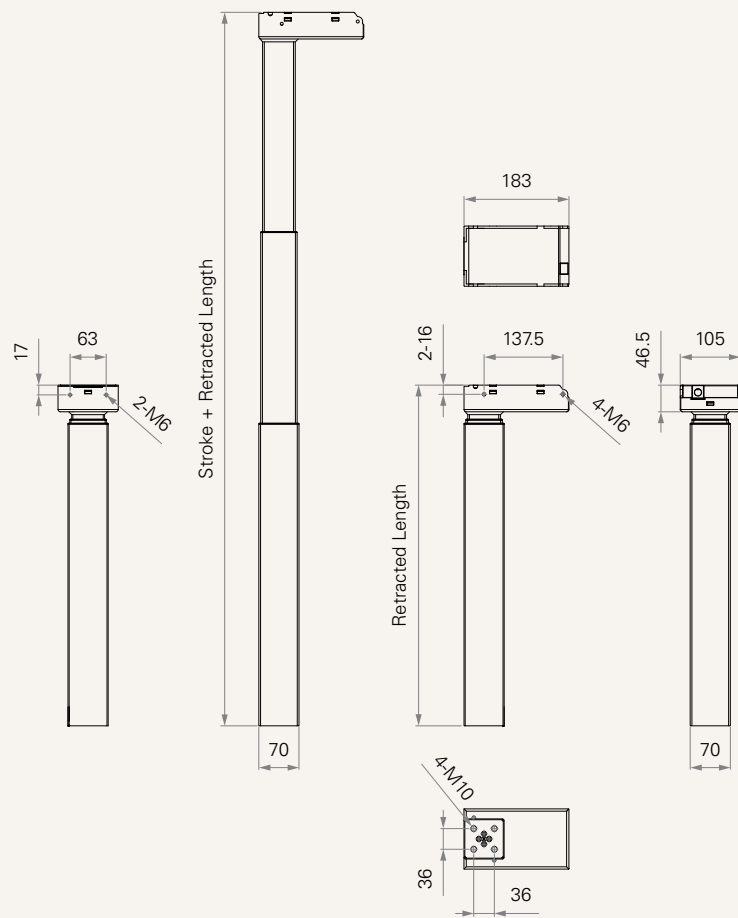
TC15S Spec	Load (N)	Constant Speed (mm/s) with TC15S
75W	1000	38
120W	1000	38

## Note

- <sup>4</sup> The corresponding control box software is required.

## Drawing

Standard Dimensions  
(mm)



### Stroke & Retracted Length

Options	Stroke (mm)	Retracted Length (mm)
Standard	650	590
M	660	560
S	660	520

<b>Appearance of Motor House</b> <a href="#">See page 6</a>	C = TiMOTION standard		N = Style N	
<b>Voltage</b>	2 = 24V DC			
<b>Load and Speed</b>	<a href="#">See page 2</a>			
<b>Stroke &amp; Retracted Length (mm)</b>	<a href="#">See page 4</a>			
<b>Color</b>	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
<b>Wiper Color</b>	1 = Black	2 = White	3 = Grey	4 = Matte black
<b>Bracket</b> <a href="#">See page 6</a>	0 = Without L = Left, Standard bracket	R = Right, Standard bracket B = Back, Standard bracket (For wall mounting application)		
<b>Bottom Plate Type</b> <a href="#">See page 6</a>	1 = M10, 36*36, TiMOTION standard		2 = M6, 36*36, TiMOTION standard	
<b>Bottom Plate Height</b>	1 = Standard		2 = Extended outer tube for shoe	
<b>Output Signals</b>	2 = Hall sensor * 2			
<b>Connector</b>	1 = DIN 6P, 90° plug E = Molex 8P, 180° plug, standard		F = Molex 8P, 90°plug, without anti-clip, for TC22/TC23	
<b>Cable Length (mm)</b>	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500	

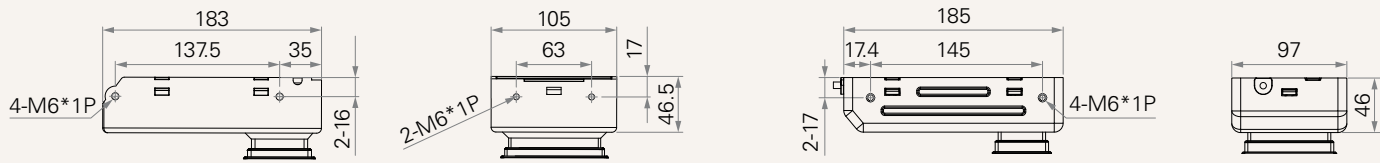
### Note

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

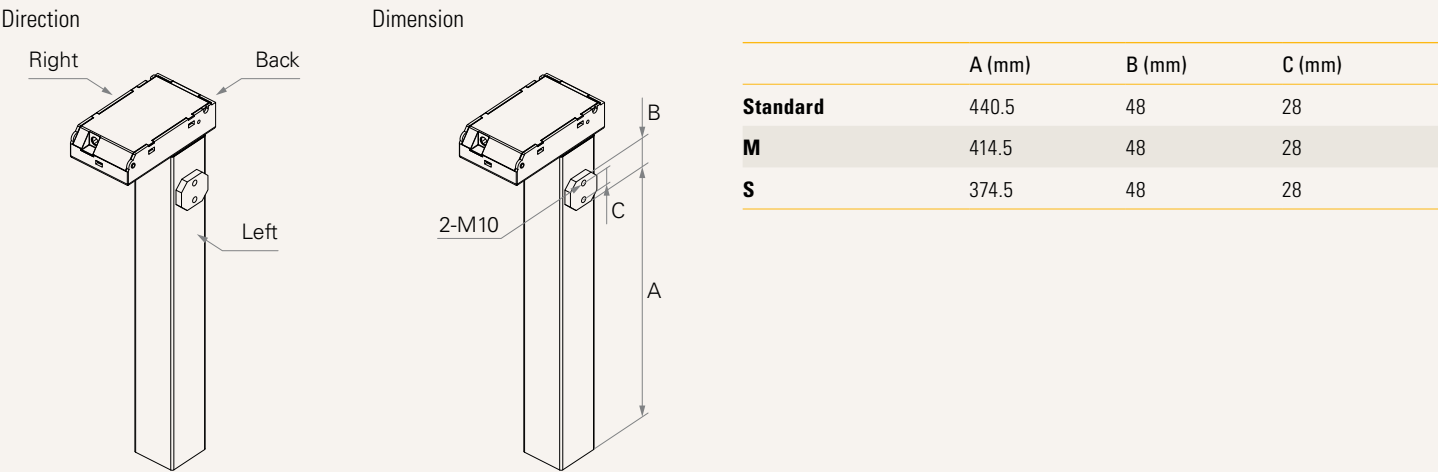
Appearance of Motor House

C = TiMOTION standard

N = Style N



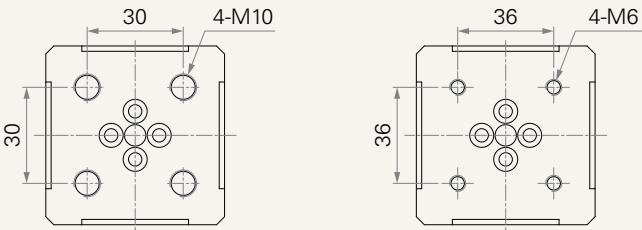
Bracket (Standard)



Bottom Plate Type

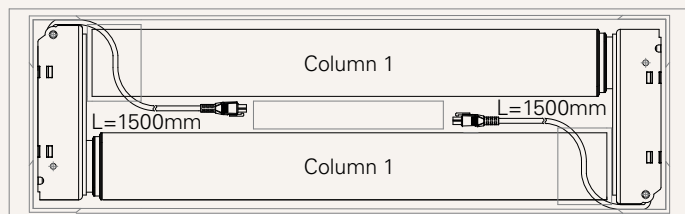
1 = M10, 36\*36, TiMOTION standard

2 = M6, 36\*36, TiMOTION standard



## Package

Package of one TL part number

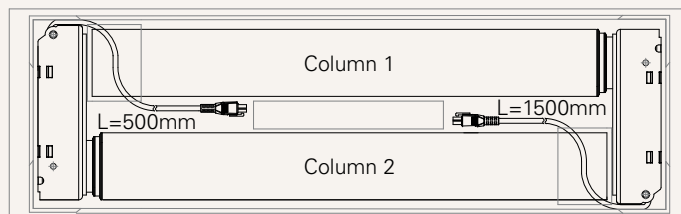


Column: 2pcs TL/box (Same PN& cable length)

Electronic control system: Without

Weight with package: 16KG

Package of two TL part numbers in pairs

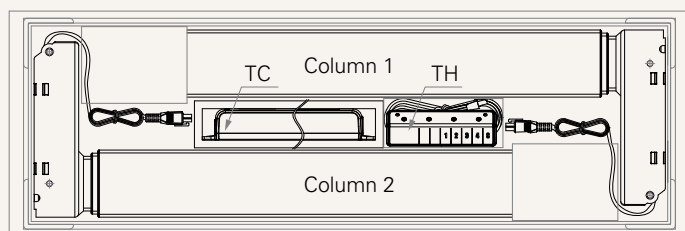


Column: 2pcs TL/box (Different PN, cable length, for pair use)

Electronic control system: Without

Weight with package: 16KG

Package 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.