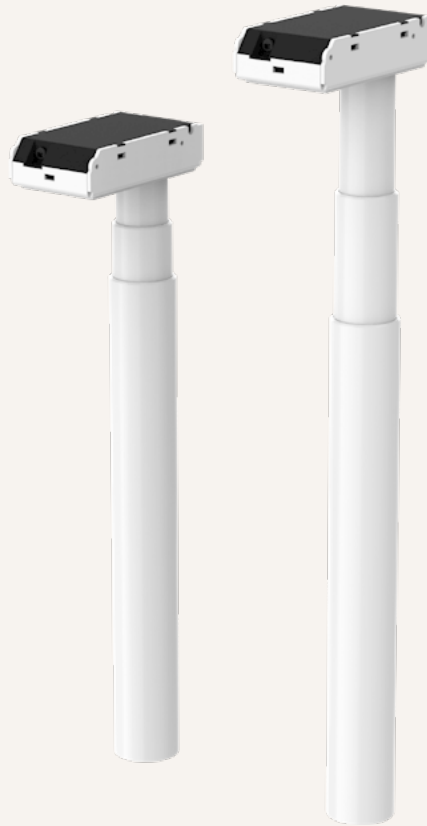


# TFL9

series



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## Product Segments

### • Ergo Motion

Introducing TiMOTION's TFL9, a high-speed lifting column designed for diverse ergonomic height-adjustable applications. Experience swift and seamless position adjustments with unparalleled efficiency, elevating your workspace with a smooth and effortless user experience.

Combine multiple TFL9 lifting columns with the TC control box series to create customized solutions that precisely meet your project's specific requirements. The TFL9 offers synchronized movement that is fast and quiet, delivering a superior lifting experience.

- FastRise technology for quick height adjustments
- Three-stage telescopic structure with a round profile

**Features**

- Load and speed per column<sup>12</sup>

Code	Load (N)	Self Locking Force (N)	Current (A) with 29V DC		Speed (mm/s) with 29V DC	
			No Load	With Load	No Load	With Load
F	600	600	5.0	9.0	110.0	81.0

- Retracted length 590 / 560 (M) mm
- Stroke 650/ 660 (M) mm
- Outer profile Ø70mm round
- Stages 3-stage
- Output signals Hall sensors
- Voltage 24V DC
- Color<sup>3</sup>
  - RAL9005
  - RAL9006
  - RAL9016
  - RAL9022
- Product weight 8.2Kg / column
- With motor house
- The TFL9 can only be used in pairs; single column usage is not recommended

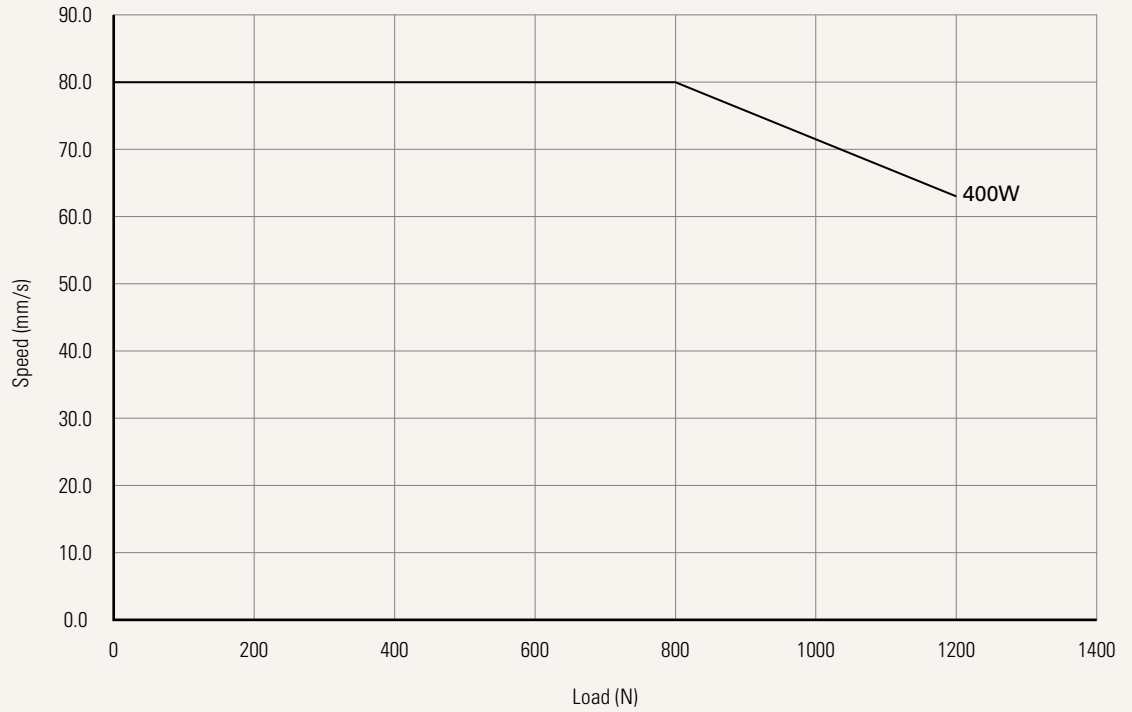
**Note**

- <sup>1</sup> The self-locking force, current, and speed performance are defined with use of 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>

- TFL9, two columns driven by TC15F



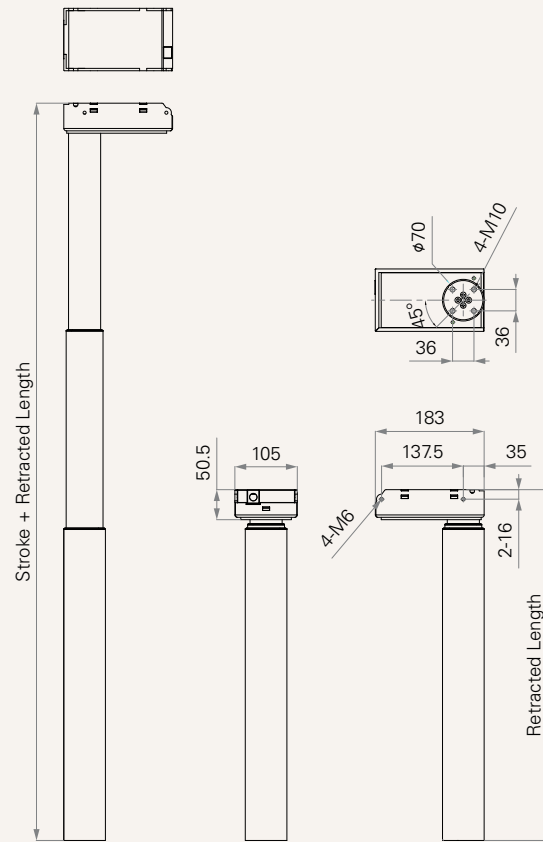
TC15F Spec	Load (N)	Constant Speed (mm/s) with TC15F
400W	1200	80

**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
<b>M</b>	660	560

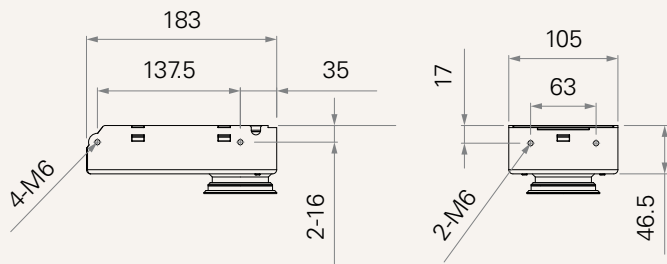
<b>Appearance of Motor House</b> <a href="#">See page 6</a>	C = TiMOTION standard			
<b>Voltage</b>	2 = 24V DC			
<b>Load and Speed</b>	<a href="#">See page 2</a>			
<b>Stroke &amp; Retracted Length (mm)</b>	<a href="#">See page 4</a>			
<b>Color</b>	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
<b>Wiper Color</b>	1 = Black	2 = White	3 = Grey	4 = Matte black
<b>Bracket</b>	0 = Without			
<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

<sup>1</sup> The TL is designed especially for push applications, not suitable for pull applications.

## Appearance of Motor House (mm)

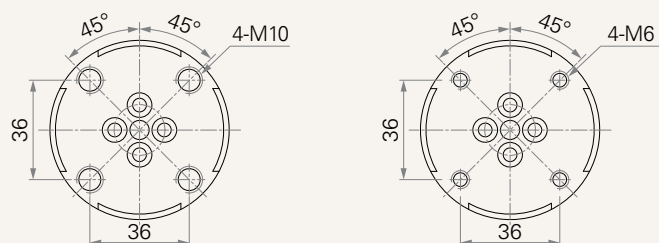
C = TiMOTION standard



## Bottom Plate Type (mm)

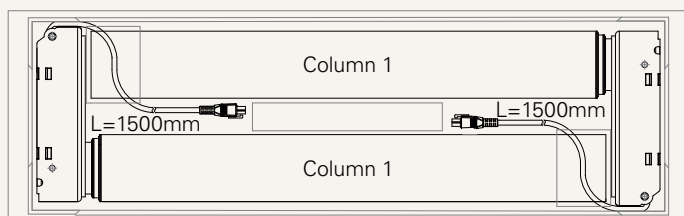
1 = M10, 36\*36, TiMOTION standard

2 = M6, 36\*36, TiMOTION standard



## Package

Package of one TL part number

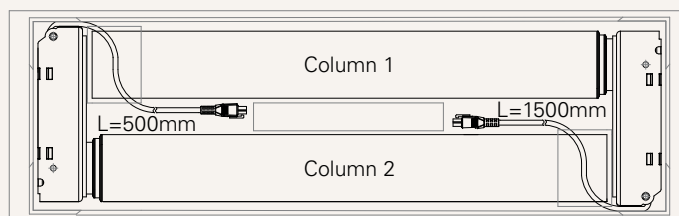


Column: 2pcs TL/box (Same PN& cable length)

Electronic control system: Without

Weight with package: 19KG

Package of two TL part numbers in pairs

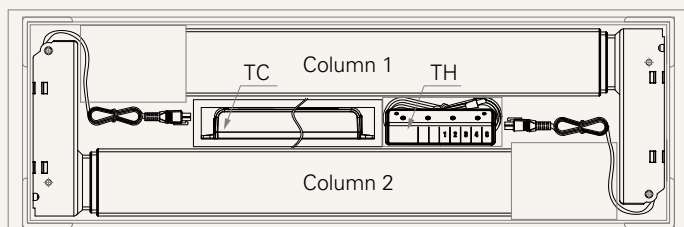


Column: 2pcs TL/box (Different PN, cable length, for pair use)

Electronic control system: Without

Weight with package: 19KG

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: 20KG

## 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.