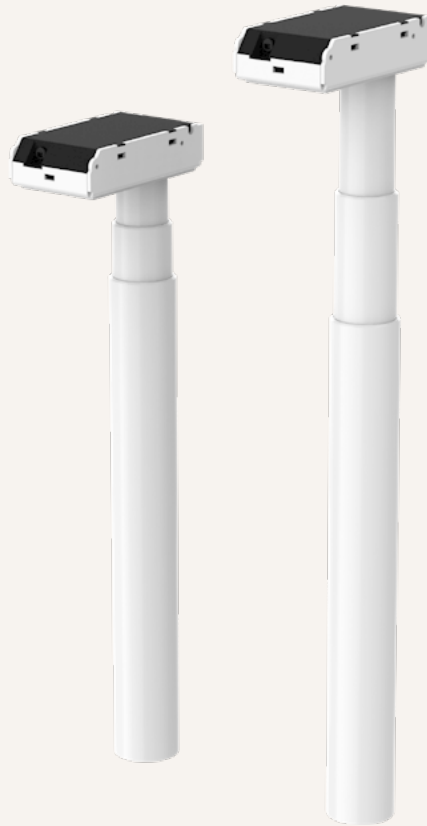


TL9

series



Product Segments

- **Ergo Motion**

TiMOTION's TL9 series lifting columns are specifically designed for use in ergonomic desks and work tables. Using multiple TL series lifting columns with compatible TC series Control Boxes and TH/TDH series controls, work surfaces 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 offer customers the solutions they require to satisfy their working environment project requirements. The TL9 has a three stage telescopic outer tube that is designed for a narrow-top, wide-bottom round appearance.

Features

- Load and speed per column¹²

| 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 |
| C | 800 | 800 | 2.8 | 6.0 | 58.0 | 33.0 |

- Retracted length Standard (compatible with foot): 590 / 560(M) / 520(S)mm
Extended (compatible with shoe): 610 / 580(M) / 540(S)mm







- Stroke 650 / 660 (M, S) mm

- Outer profile Ø70mm round

- Stages 3-stage

- Output signals Hall sensors

- Voltage 24V DC

- Color³  RAL9005  RAL9006  RAL9016
 RAL9022  RAL7021  RAL7024

- Product weight 8.2Kg / column

- With motor house

- The TL9 can only be used in pairs; single column usage is not recommended

Note

¹ The self-locking force, current, and speed performance are defined with use of TiMOTION control boxes.

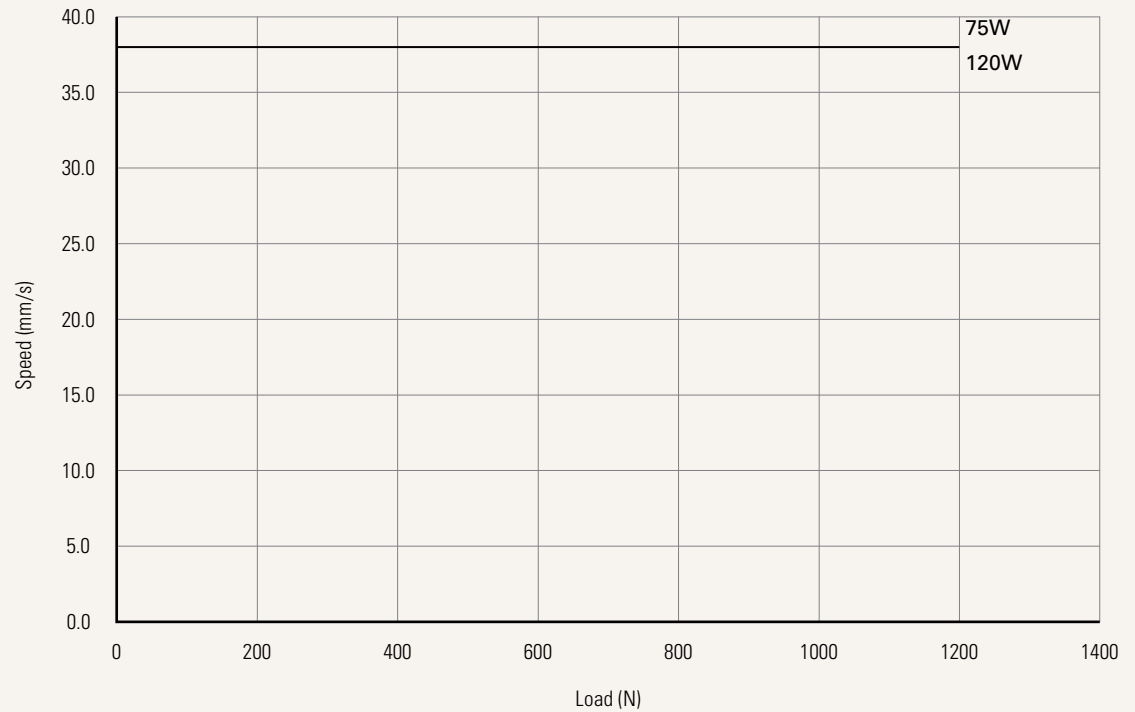
² The parameters are based on average test values; final specifications are subject to the approval drawings.

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

- TL9, two columns driven by TC15S



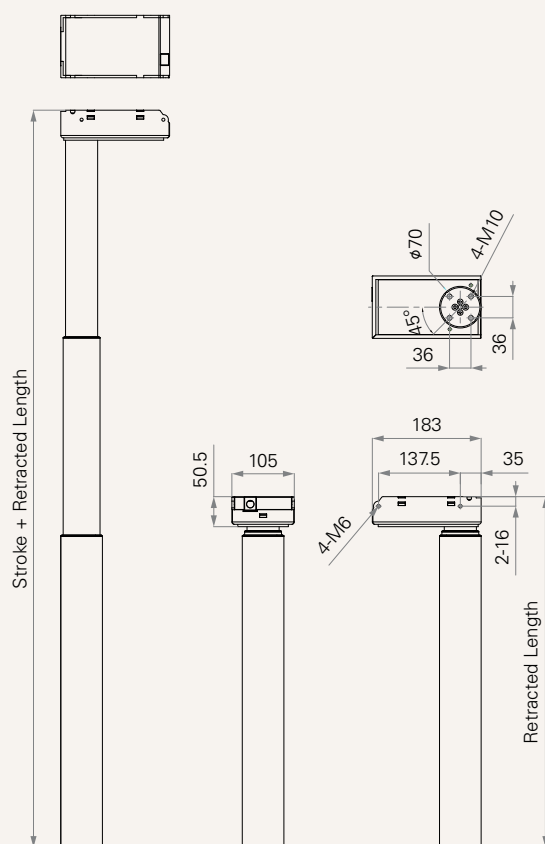
| TC15S Spec | Load (N) | Constant Speed (mm/s) with TC15S |
|------------|----------|----------------------------------|
| 120W | 1200 | 38 |

Note

⁴ 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 |

TL9

Version: 20241029-H

| | | | | |
|--|--|--|--|--|
| Appearance of Tubes See page 6 | B = With wiper fixing holes at sides | | C = Without wiper fixing holes at sides | |
| Voltage | 2 = 24V | | | |
| Load and Speed | See page 2 | | | |
| Stroke & Retracted Length (mm) | See page 4 | | | |
| Color | 1 = Black, RAL 9005, Black wiper 2 = Grey, RAL 9006, Black wiper 3 = White, RAL 9016, Black wiper 4 = Special grey, RAL 9022, Black wiper 6 = Grey, RAL 9006, Grey wiper | | 7 = White, RAL 9016, White wiper 8 = Special grey, RAL 9022, Grey wiper B = Matte black, RAL 7021, Black wiper C = Graphite grey (RAL7024), Black wiper D = Matte black, RAL 7021, Matte Black wiper | |
| Motor Gearbox Step | 0 = With | 1 = Without | | |
| Output Signals | 2 = Hall sensors*2 | | | |
| Plug See page 6 | 1 = DIN 6P, 90° plug | | E = Molex 8P, plug, Standard | |
| Cable Length (mm) | 1 = Straight, 500 | | 4 = Straight, 1500 | |
| Bracket | 0 = Without 5 = Left, triangle bracket | 6 = Right, triangle bracket 7 = Front, triangle bracket | 8 = Back, triangle bracket | |

Note

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

Appearance of Tubes

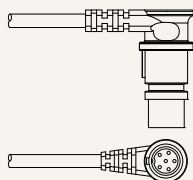
B = With wiper fixing holes at sides

C = Without wiper fixing holes at sides

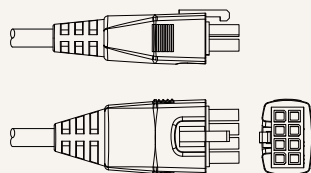


Connector

1 = DIN 6P, 90° plug

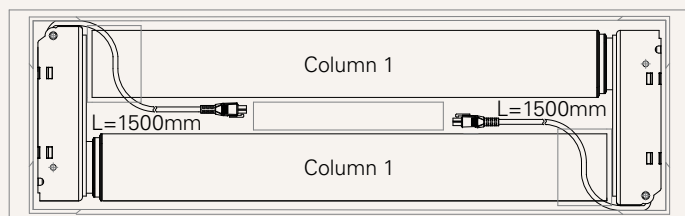


E = Molex 8P, plug, standard



Package

Package of one TL part number

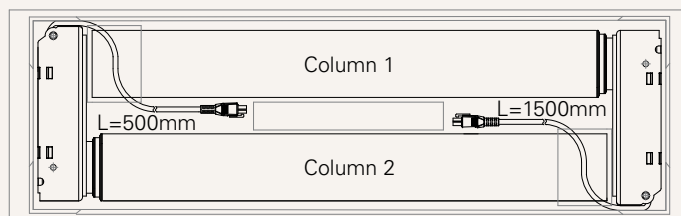


Column: 2pcs TL/box (Same PN& cable length)

Electronic control system: Without

Weight with package: 19KG

Package of two TL part numbers in pairs

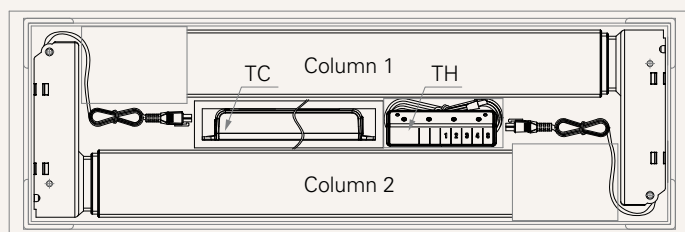


Column: 2pcs TL/box (Different PN, cable length, for pair use)

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.