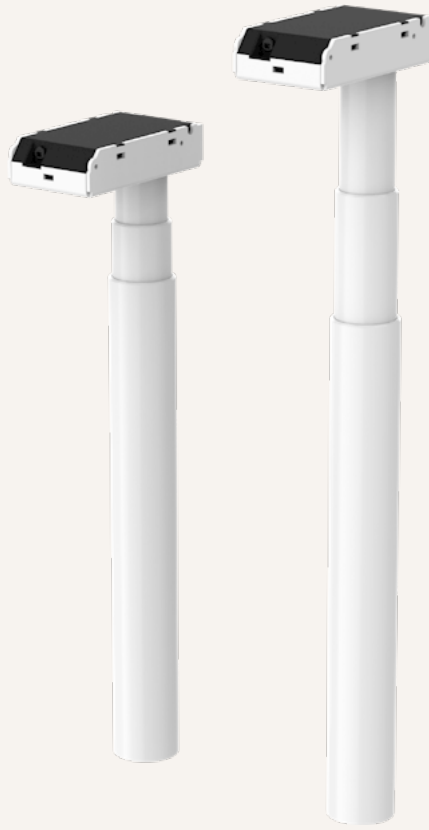


TL9K

series



Product Segments





- **Ergo Motion**

TiMOTION's TL9K series is a high-value lifting column specifically designed for ergonomic desks, work tables, and other height adjustable systems. Work surfaces adapt quietly and smoothly with synchronous movement using multiple TL series lifting columns with compatible TC series Control Boxes and TH/TDH series controls. 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 TL9K has a 3-stage round outer tube, telescopes with a narrow-top, and a wide-bottom 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	
	Push		No Load	With Load	No Load	With Load
D	600	600	2.5	6.0	45.0	32.0

- Retracted length Standard (compatible with foot): 590 / 560(M)mm
Extended (compatible with shoe): 610 / 580(M)mm
- Stroke 650 / 660(M) mm
- Outer profile Ø70mm round
- Stages 3-stage
- Output signals Hall sensors
- Voltage 24V DC
- Color³  RAL9005  RAL9006  RAL9016  RAL9022
- Product weight 8.2kg /column
- With motor house
- The TL9K can only be used in pairs; single column usage is not recommended

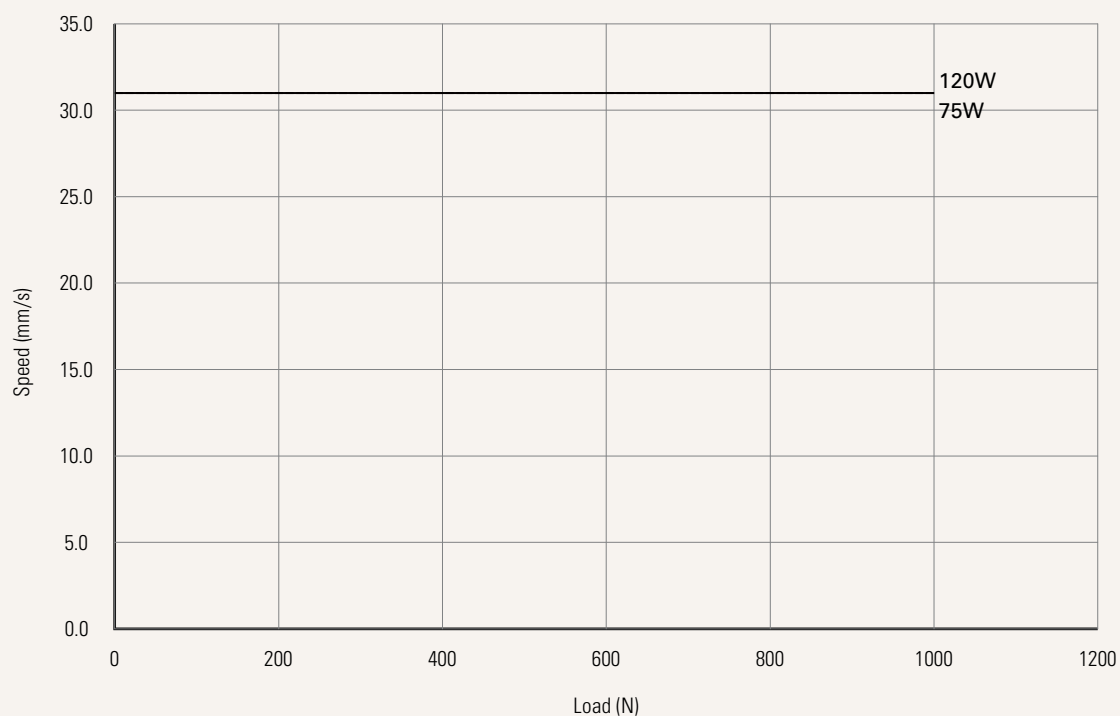
Note

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

- TL9K, two columns driven by TC15S



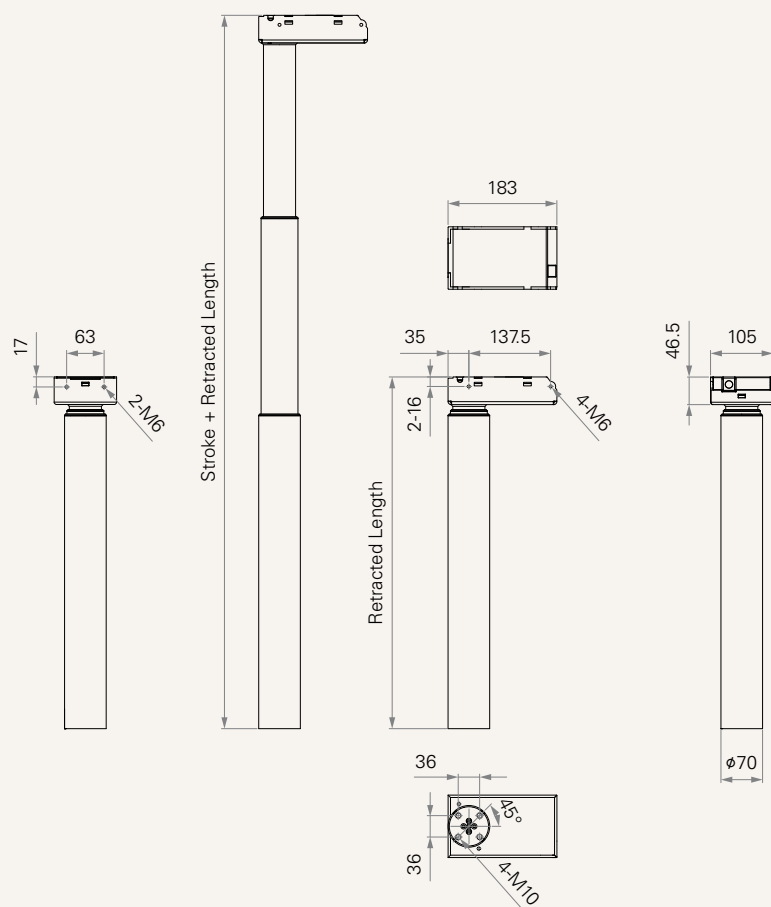
TC15S Spec	Load (N)	Constant Speed (mm/s) with TC15S
75W	1000	31
120W	1000	31

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

Appearance of Motor House See page 6	C = TiMOTION standard		N = Style N	
Voltage	2 = 24V DC			
Load and Speed	See page 2-3			
Stroke & Retracted Length	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	6 = Right, triangle bracket 7 = Front, triangle bracket	8 = Back, triangle bracket	
Bottom Plate Type See page 6	1 = M10, 36*36, TiMOTION standard		2 = M6, 36*36, TiMOTION standard	
Bottom Plate Height	1 = Standard		2 = Extended outer tube for shoe	
Output Signals	2 = Hall sensor * 2			
Connector	1 = DIN 6P, 90° plug E = Molex 8P, 180° plug, standard		F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23	
Cable Length (mm)	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500	

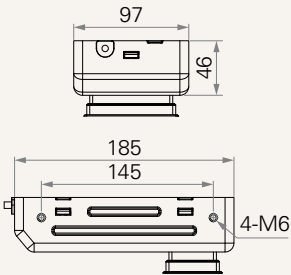
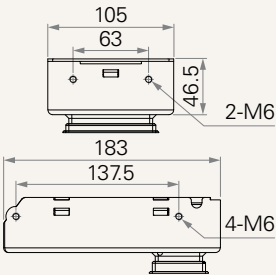
Note

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

Appearance of Motor House (mm)

C = TiMOTION standard

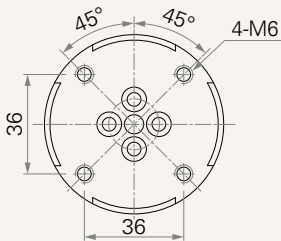
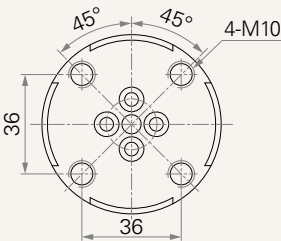
N = Style N



Bottom Plate Type (mm)

1 = M10, 36*36, TiMOTION standard

2 = M6, 36*36, TiMOTION standard



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.