

TL30K

series



Product Segments

- **Ergo Motion**

TiMOTION's TL30K series is a high-value, cost-effective lifting column designed explicitly for ergonomic desks, work tables, and other height-adjustable systems. Multiple TL series lifting columns can be easily connected to compatible TC series control boxes, supporting synchronous movement with a press of a button on the supported TH / TDH series controls. All Ergo Motion TC series control boxes have a standby power option of less than 0.1W to reduce power consumption. Our wide range of columns and controls offer modular solutions to satisfy customers' project requirements for a variety of work environments, providing smooth and quiet operation of any worksurface.

The TL30K has a rectangular, two-stage telescopic profile, designed with a narrow-top, and wide-bottom.

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	2.2	5	32	24

- Retracted length
Standard outer tube:
645mm

Extended outer tube:
665mm
- Stroke
500mm
- Outer profile
90*60mm rectangular
- Stages
2-stage
- Output signals
Hall sensor*2
- Voltage
24V DC
- Color³
 RAL9005
  RAL9006
  RAL9016
  RAL9022
- Product weight
6.9kg /column

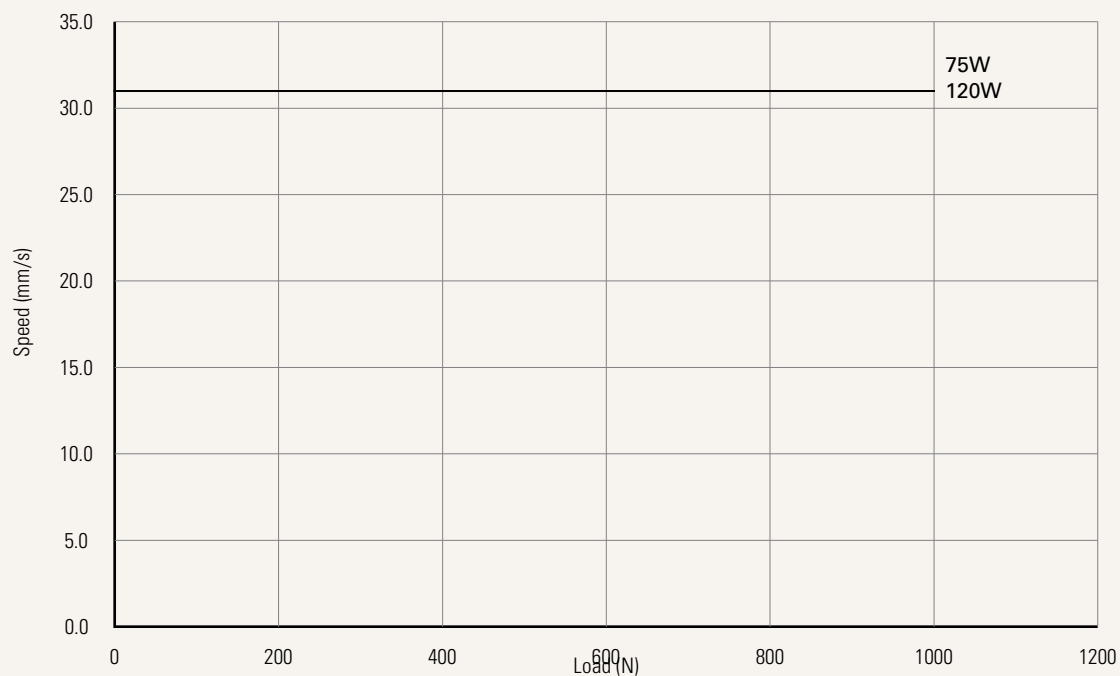
Note

- 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

- TL30K, two columns driven by TC15S



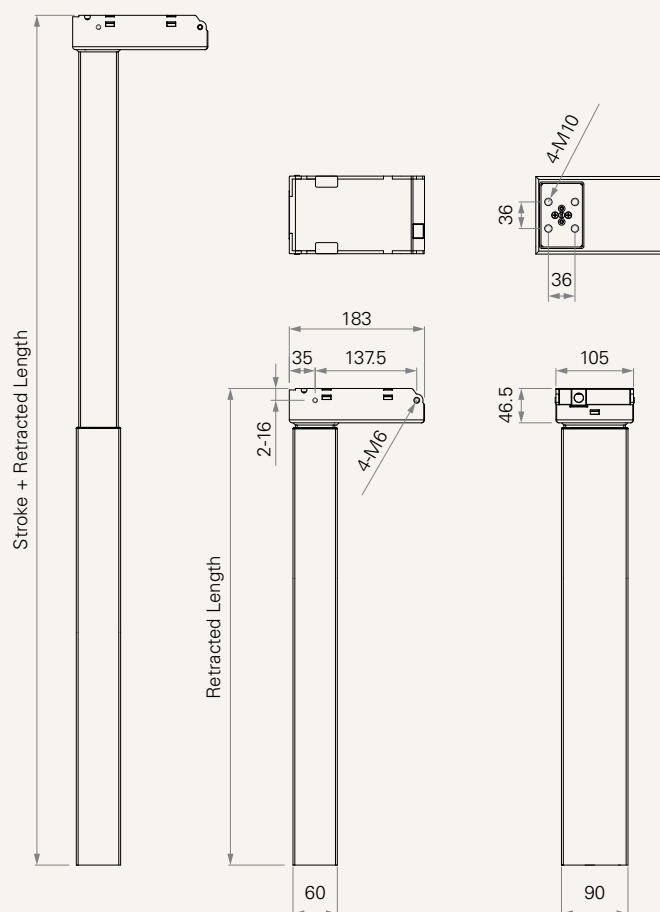
TC15S Spec	Load (N)	Constant Speed (mm/s) with TC15S
75W	1000	31
120W	1000	31

Note

- ⁴ The corresponding control box software is required.

Drawing

Standard Dimensions
(mm)



Stroke & Retracted Length

	Options	Stroke (mm)	Retracted Length (mm)
Standard Outer Tube	Standard	500	645
Extended Outer Tube	Standard	500	665

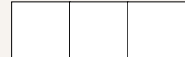
Note

- 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.

TL30K Ordering Key

TL30K

Version: 20260108-D



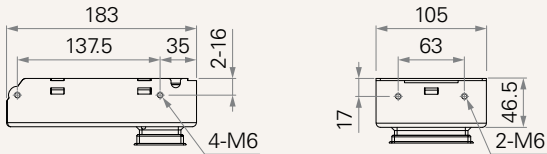
Appearance of Motor House See page 6	C = TiMOTION standard			
Voltage	2 = 24V DC			
Load and Speed	See page 2			
Stroke & Retracted Length (mm)	See page 4			
Color	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
Wiper Color	1 = Black	2 = White	3 = Grey	4 = Matte black
Bracket See page 6	0 = Without L = Left, Standard bracket	R = Right, Standard bracket 5 = Left, triangle bracket	6 = Right, triangle bracket	
Bottom Plate Type (mm) See page 7	1 = M10, 36*36, TiMOTION standard		2 = M6, 36*36, TiMOTION standard	
Bottom Plate Height (mm)	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 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 (mm)

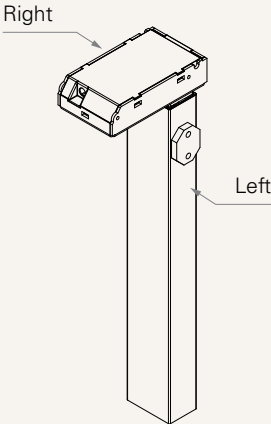
C = TiMOTION standard



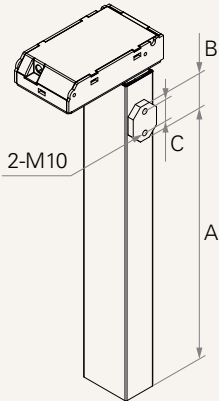
Bracket

- Standard bracket

Direction



Dimension

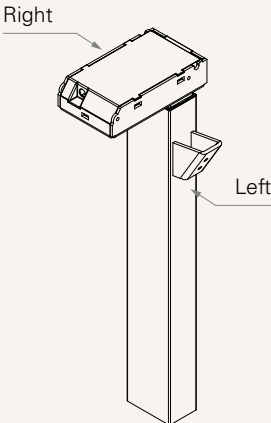


Standard Outer Tube	A (mm)	B (mm)	C (mm)
Standard	430.5	58	36

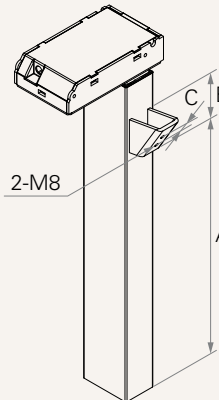
Extended Outer Tube	A (mm)	B (mm)	C (mm)
Standard	450.5	58	36

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

Direction



Dimension



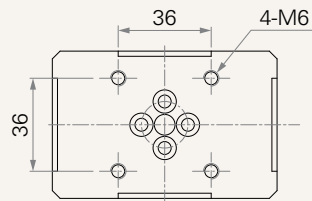
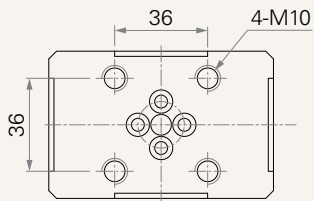
Standard Outer Tube	A (mm)	B (mm)	C (mm)
Standard	430	52	20

Extended Outer Tube	A (mm)	B (mm)	C (mm)
Standard	450	52	20

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.