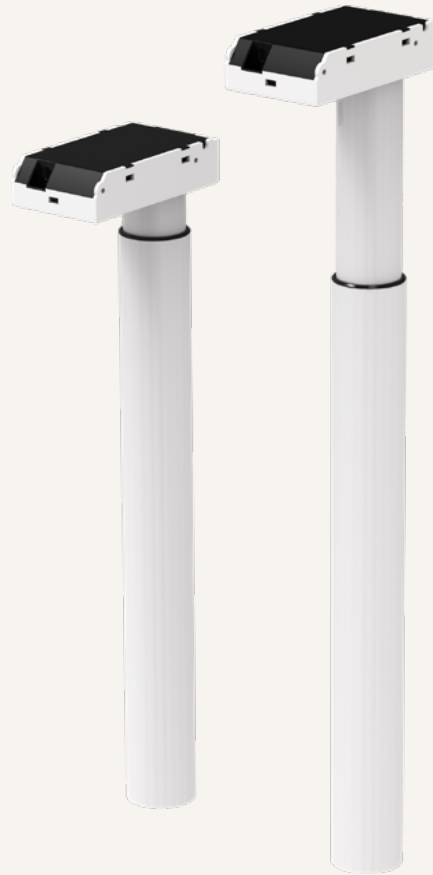


TL14K

series



Product Segments

- **Ergo Motion**





TiMOTION's TL14K series lifting columns are principally designed for use in ergonomic desks and worktables. 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. Our wide range of columns offers customers the solutions they require to satisfy their project requirements.

The TL14K has a two-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 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: Ø70mm round
- Stages: 2-stage
- Output signals: Hall sensor * 2
- Voltage: 24V DC
- Color³
 -  RAL9005
 -  RAL9006
 -  RAL9016
 -  RAL9022
- Product weight: 6.3kg /column

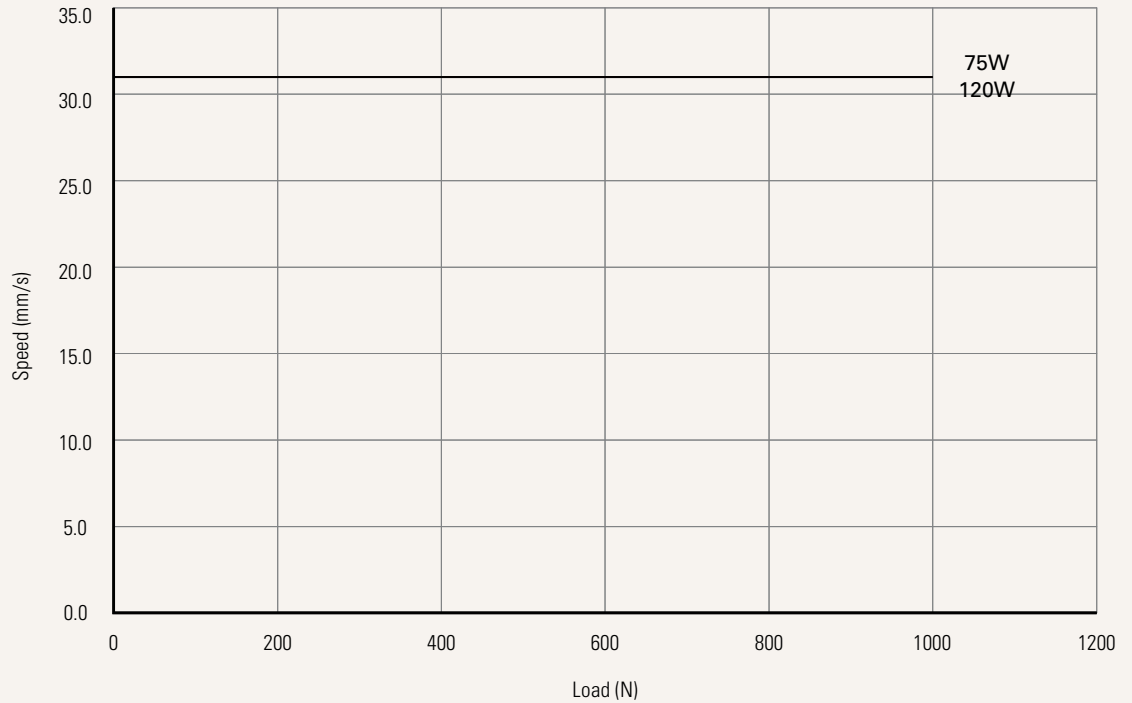
Note

- 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

- TL14K, two columns driven by TC15S



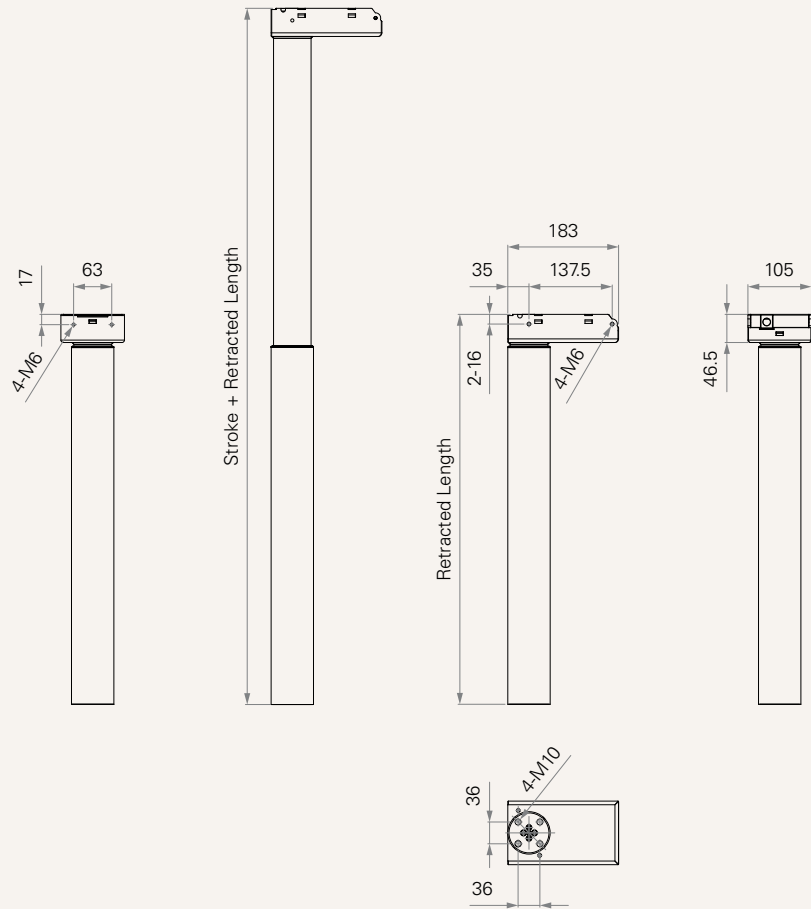
TC15S Spec	Load (N)	Constant speed (mm/s) with TC11P
75W	1000	31
120W	1000	31

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.

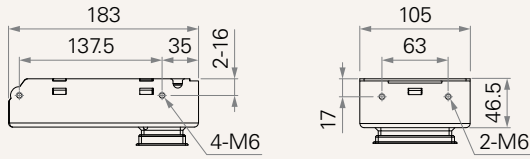
Appearance of Motor House See page 6	C = TiMOTION standard			
Voltage	2 = 24V DC			
Load and Speed	See page 2			
Stroke & Retracted Length (mm)	See page 4			
Color	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
Wiper Color	1 = Black	2 = White	3 = Grey	4 = Matte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

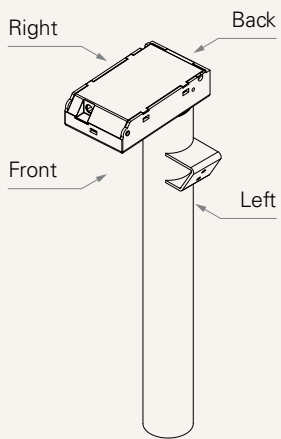
C = TiMOTION standard



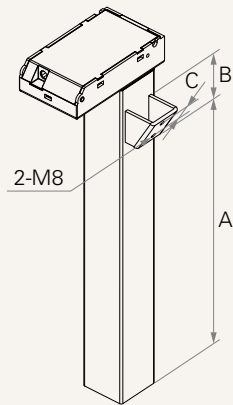
Bracket

- Triangle bracket

Direction



Dimension

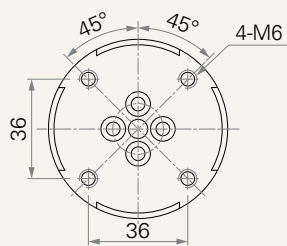
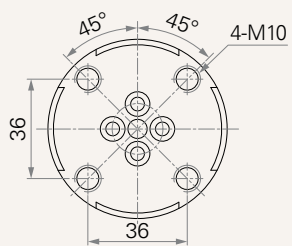


Standard Outer Tube	A (mm)	B (mm)	C (mm)
Standard	437	50	20
Extended Outer Tube	A (mm)	B (mm)	C (mm)
Standard	457	50	20

Bottom Plate Type (mm)

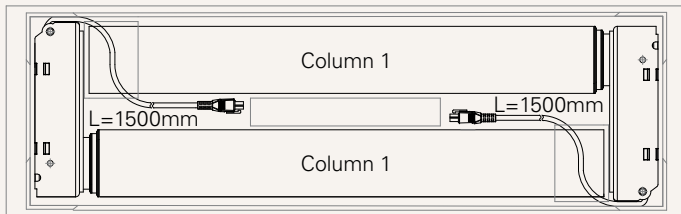
1 = M10, 36*36, TiMOTION standard

2 = M6, 36*36, TiMOTION standard



Package

Package of one TL part number

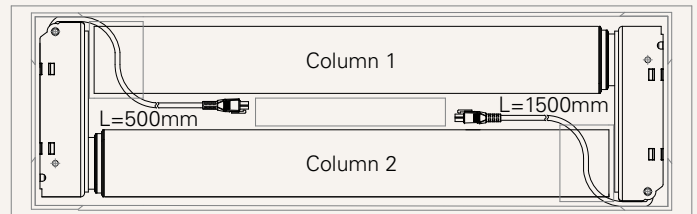


Column: 2pcs TL/box (Same PN& cable length)

Electronic control system: Without

Weight with package: 16KG

Package of two TL part numbers in pairs

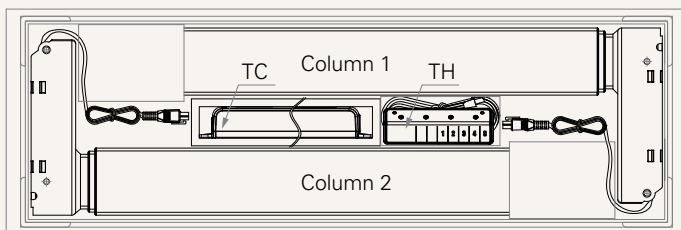


Column: 2pcs TL/box (Different PN, cable length, for pair use)

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.