

TL14KR

series



Product Segments

• Ergo Motion

TiMOTION's TL14KR 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 button press 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 provide a variety of solutions to satisfy the most challenging project requirements for demanding work environments. The TL14KR has a round, two-stage telescopic profile, designed with a wide-top, and narrow 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	6	38	31

- Retracted length
Standard outer tube:
645mm

Extended outer tube:
665mm
- Stroke
500mm
- Outer profile
Ø70mm round
- Stages
2-stage
- Output signals
Hall sensors
- Voltage
24V DC
- Color³
 RAL9005
  RAL9006
  RAL9016
 RAL9022
- Operational temperature range
+5°C~+45°C
- Product weight
6.3kg /column

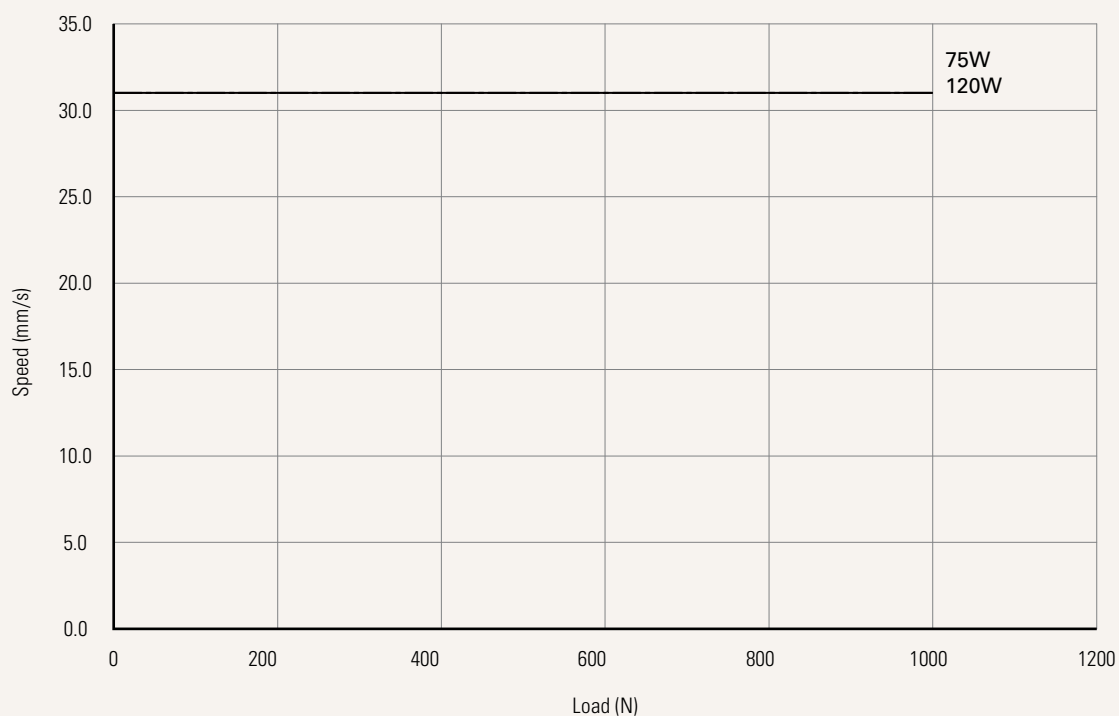
Note

- 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

- TL14KR, two columns driven by TC15S



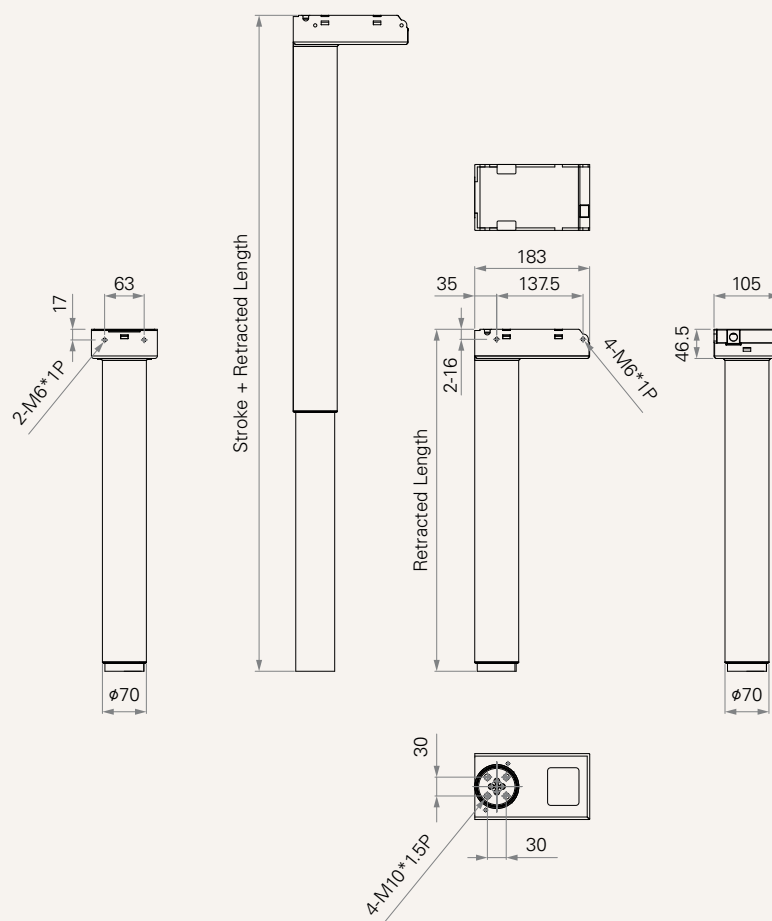
TC15S Spec	Load (N)	Constant Speed (mm/s) with TC15S
75W	1000	31
120W	1000	31

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.

TL14KR Ordering Key

TL14KR

Version: 20251216-B



Appearance of Motor House C = TiMOTION standard

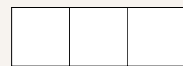
[See page 6](#)



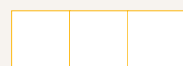
Voltage 2 = 24V DC



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 0 = Without



Bottom Plate Type 1 = M10, 36*36, TiMOTION standard 2 = M6, 36*36, TiMOTION standard

[See page 6](#)



Bottom Plate Height 1 = Standard 2 = Extended outer tube for shoe



Output Signals 2 = Hall sensor * 2



Connector 1 = DIN 6P, 90°plug F = Molex 8P, 90°plug, without anti-clip, for TC22/TC23
E = Molex 8P, 180°plug, standard G = Molex 6P, 180°plug for TCH series



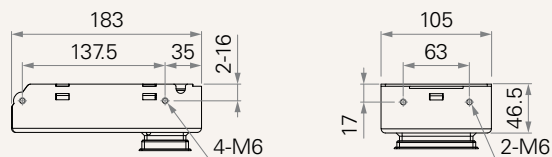
Cable Length (mm) 1 = Straight, 500 3 = Straight, 1000 4 = Straight, 1500

Note

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

Appearance of Motor House (mm)

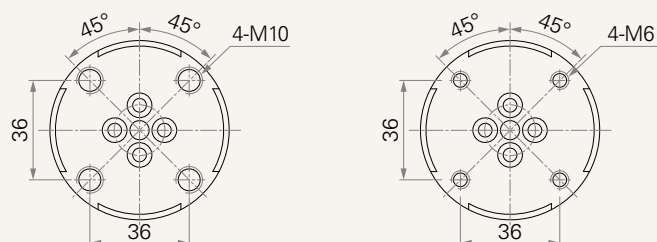
C = TiMOTION standard



Bottom Plate Type (mm)

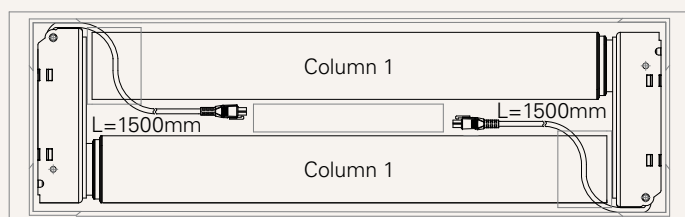
1 = M10, 36*36, TiMOTION standard

2 = M6, 36*36, TiMOTION standard



Package

Package of one TL part number

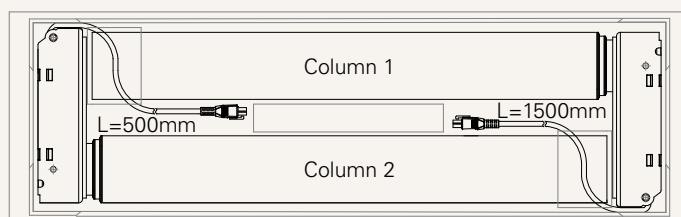


Column: 2pcs TL/box (Same PN& cable length)

Electronic control system: Without

Weight with package: 16KG

Package of two TL part numbers in pairs

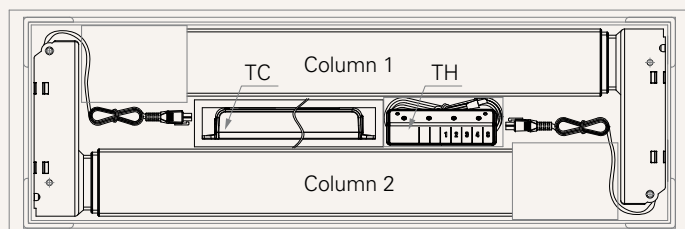


Column: 2pcs TL/box (Different PN, cable length, for pair use)

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.