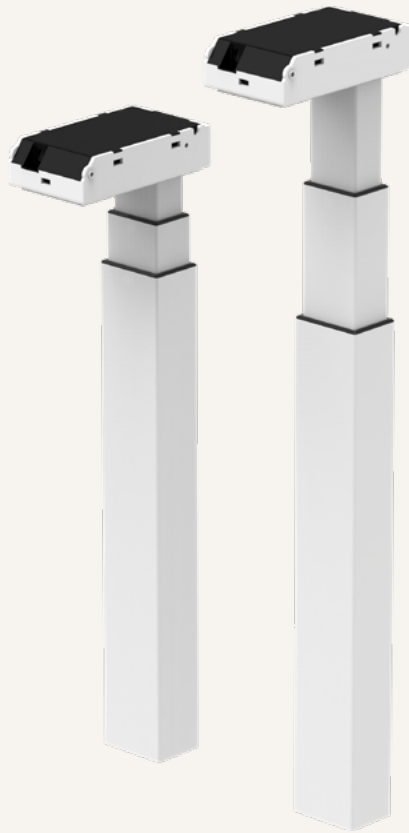


TL10H

series



Product Segments

- **Ergo Motion**

The TL10H is a heavy-duty lifting column for Ergo applications with a large capacity (120kg per column). With the same dimensions and fixation methods as TL10, it's compatible with the control box for Ergo Motion and TEK series. This lifting column is suitable for consoles, workbenches, industrial workstations, heavy tabletops, and other heavy loading applications.

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
E	1200	1200	2.5	6.0	19.0	15.0

- Retracted length
 - Standard outer tube:
590mm
560mm (M)
 - Extended outer tube:
610mm
580mm (M)
- Stroke
 - 650mm
660mm (M)
- Outer profile
 - 80*60mm rectangular
- Stages
 - 3-stage
- Output signals
 - Hall sensor * 2
- Voltage
 - 24V DC
- Color³
 -  RAL9005
 -  RAL9006
 -  RAL9016
 -  RAL9022
- Product Weight
 - 9kg /column

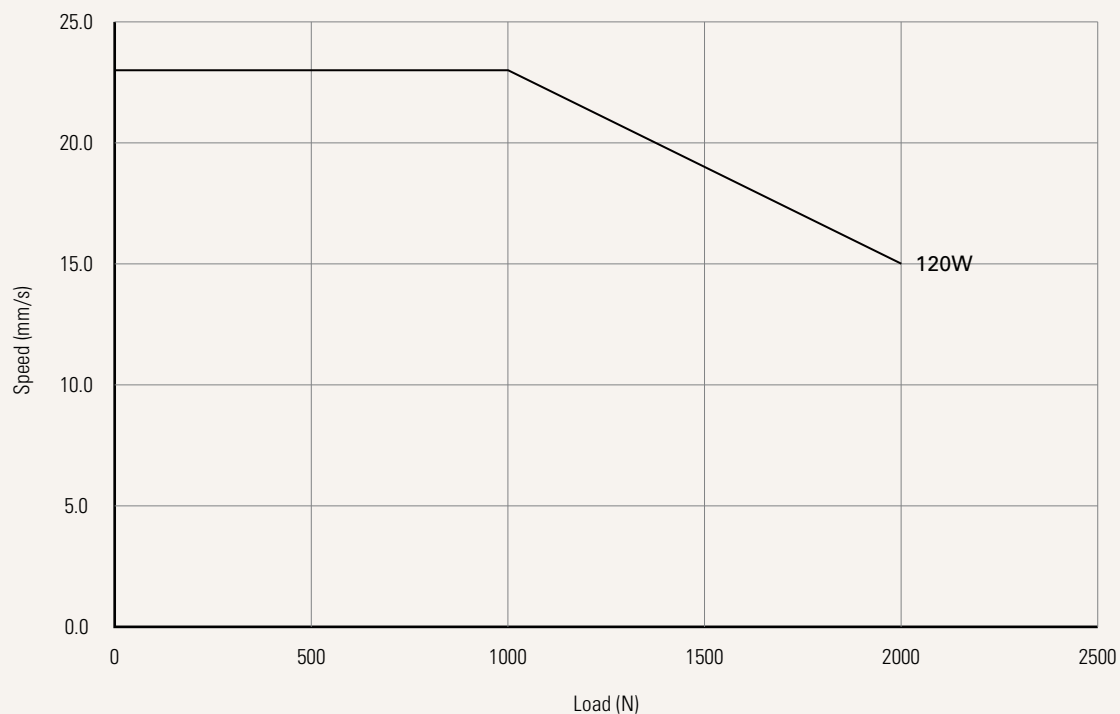
Note

- 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

- TL10H, two columns driven by TC15S



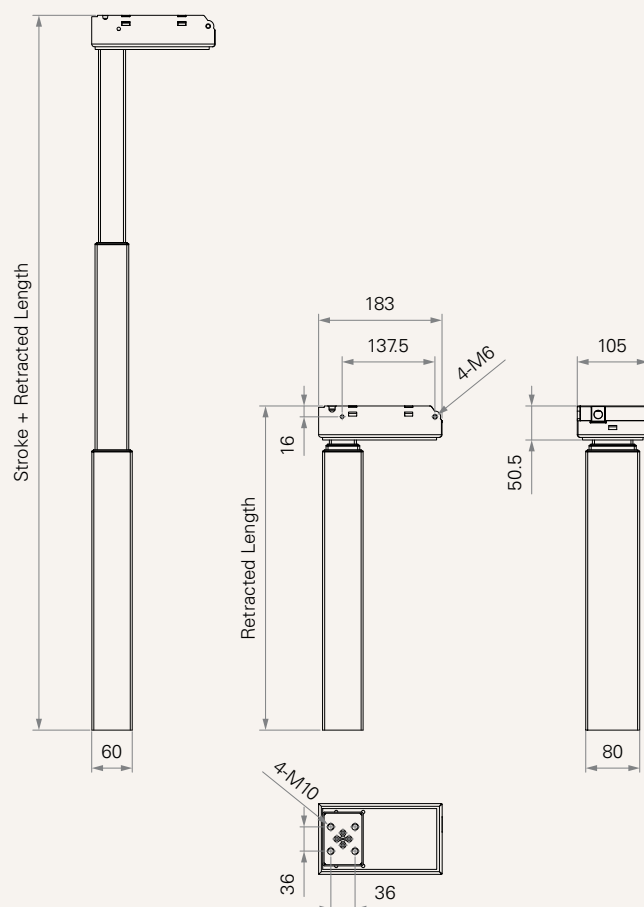
TC15S Spec	Load (N)	Constant Speed (mm/s) with TC15S
120W	2000	23

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	650	590
	M	660	560
Extended Outer Tube	Standard	650	610
	M	660	580

Note

1 Only specific TEK could be with the shoes, please refer to TEK speccode.

TL10H Ordering Key

TL10H

Version: 20260108-K



Appearance of Motor House C = TiMOTION standard

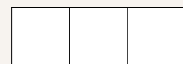
[See page 6](#)



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 L = Left, Standard bracket R = Right, Standard bracket

[See page 6](#)



Bottom Plate Type (mm) 1 = M10, 36*36, TiMOTION standard

[See page 7](#)



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



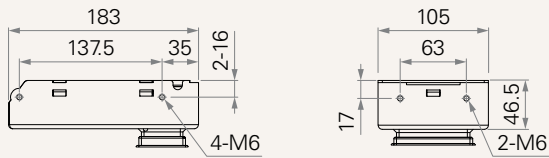
Cable Length (mm) 1 = Straight, 500 3 = Straight, 1000 4 = Straight, 1500

Note

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

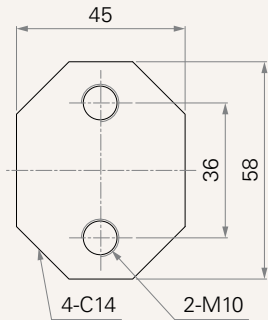
Appearance of Motor House (mm)

C = TiMOTION standard



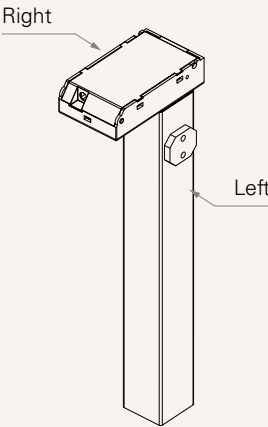
Bracket

Standard bracket dimension

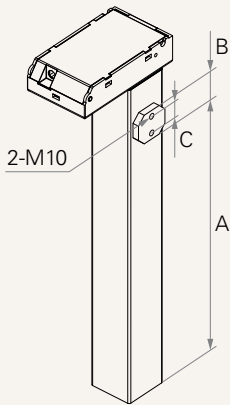


- Standard

Direction



Dimension

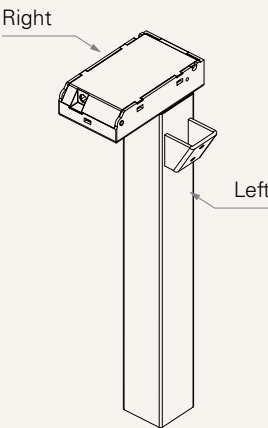


Standard Outer Tube	A (mm)	B (mm)	C (mm)
Standard	430.5	58	36
M	404.5	58	36

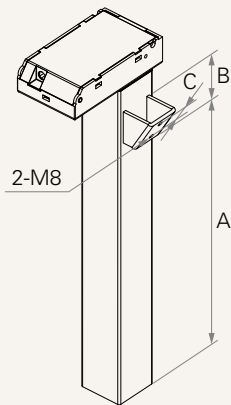
Extended Outer Tube	A (mm)	B (mm)	C (mm)
Standard	450.5	58	36
M	424.5	58	36

- Triangle bracket

Direction



Dimension

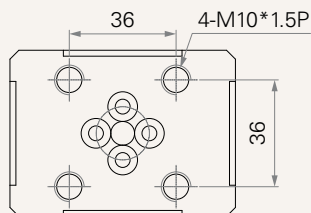


Standard Outer Tube	A (mm)	B (mm)	C (mm)
Standard	436.5	52	20
M	410.5	52	20

Extended Outer Tube	A (mm)	B (mm)	C (mm)
Standard	456.5	52	20
M	430.5	52	20

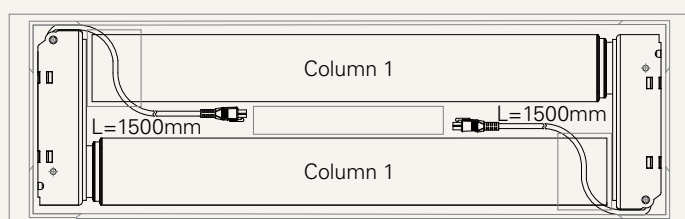
Bottom Plate Type (mm)

1 = M10, 36*36, TiMOTION standard



Package

Package of one TL part number

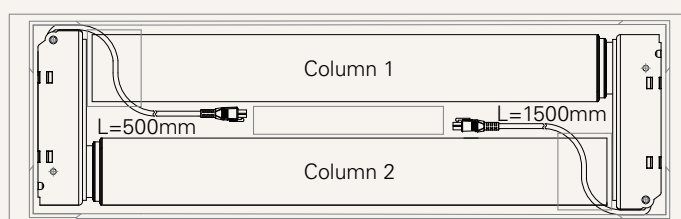


Column: 2pcs TL/box (Same PN & cable length)

Electronic control system: Without

Weight with package: 19KG

Package of two TL part numbers in pairs

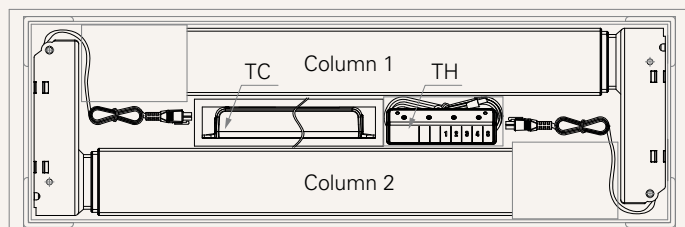


Column: 2pcs TL/box (Different PN, cable length, for pair use)

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.