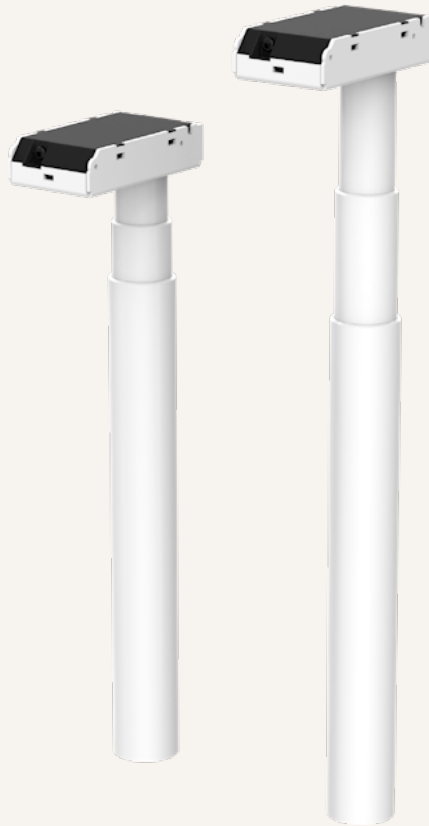


TL9S

series



Product Segments

- **Ergo Motion**

TiMOTION's TL9S series is an economical lifting column, specifically designed for ergonomic desks, worktables, and a variety of 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 feature a standby power option of less than 0.1W that reduces power consumption. Our wide range of columns offer solutions to satisfy customers' working environment project requirements. The TL9S has a 3-stage telescoping, round outer tube, with a narrow-top, and a wide-bottom construction.

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
B	700	700	2.5	6.0	38.0	24.0

- Retracted length Standard (compatible with foot):
590mm
560mm (M)
- Stroke 650mm
660mm (M)
- Outer profile Ø70mm round
- Stages 3-stage
- Output signals Hall sensors
- Voltage 24V DC
- Color³  RAL9005  RAL9006  RAL9016  RAL9022
- Product weight 8kg /column
- With motor house
- The TL9S can only be used in pairs; single column usage is not recommended.

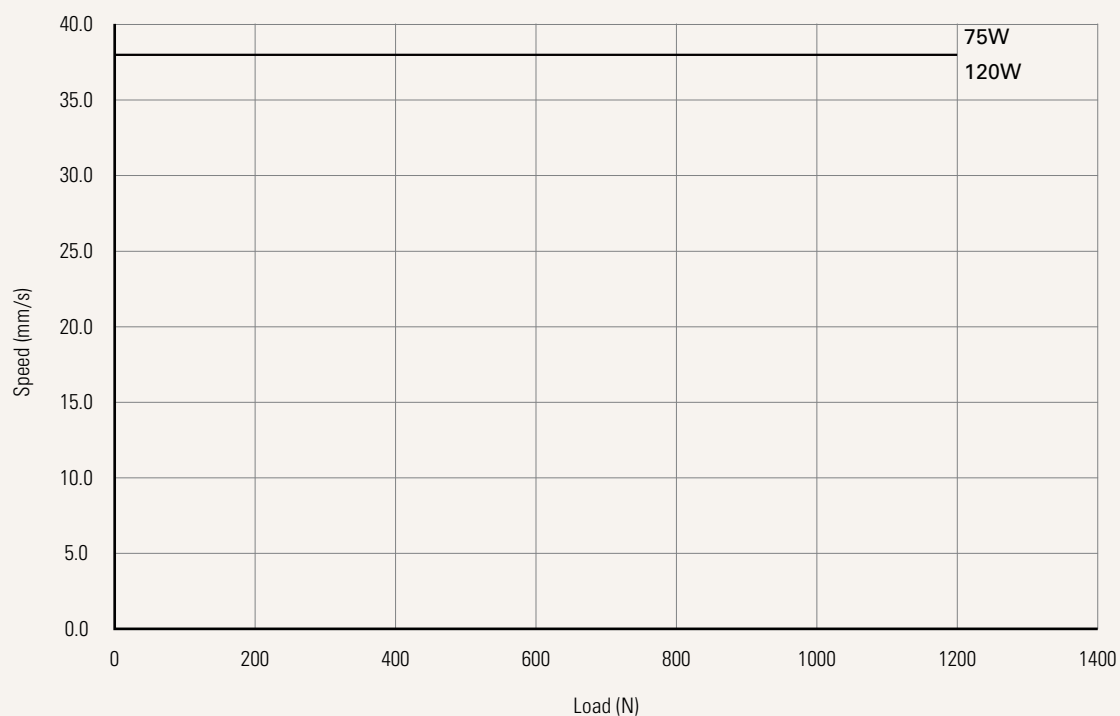
Note

- 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

- TL9S, two columns driven by TC15S



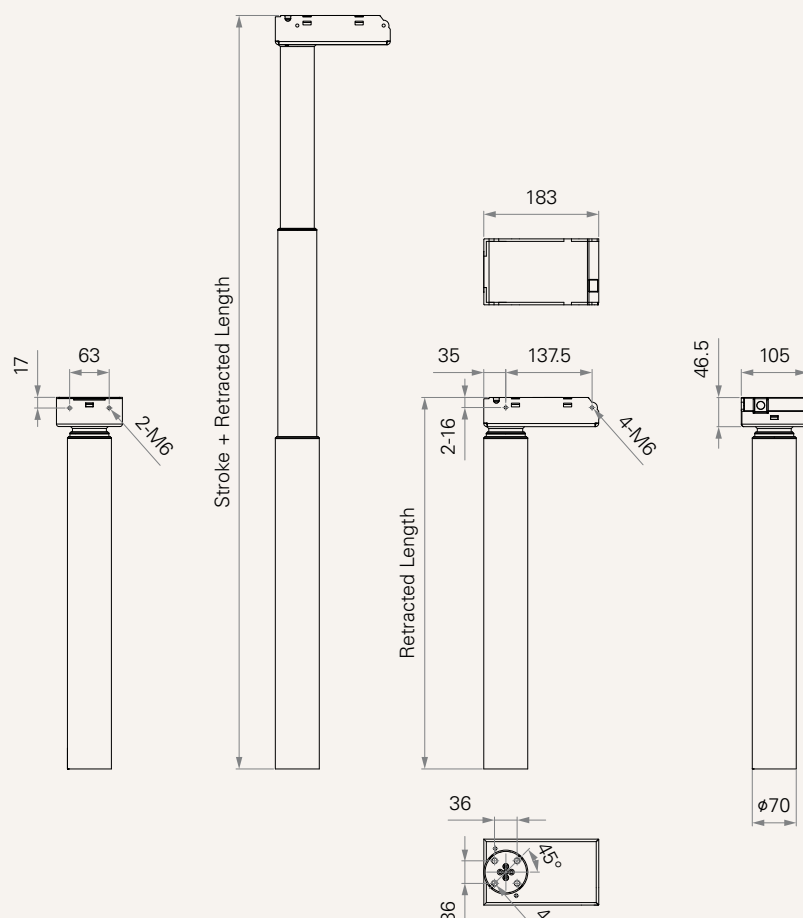
TC15S Spec	Load (N)	Constant Speed (mm/s) with TC15S
75W	1000	38
120W	1000	38

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.

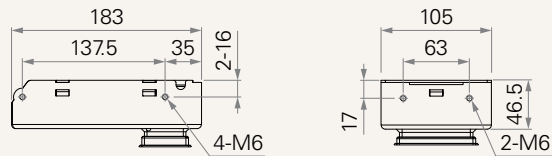
Appearance of Motor House See page 6	C = TiMOTION standard			
Voltage	2 = 24V DC			
Load and Speed	See page 2			
Stroke & Retracted Length (mm)	See page 4			
Color	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
Wiper Color	1 = Black	2 = White	3 = Grey	4 = Matte 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)

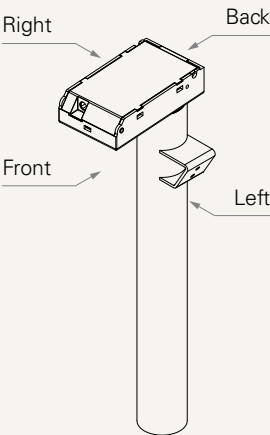
C = TiMOTION standard



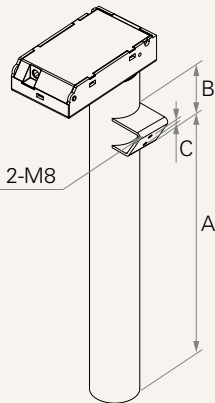
Bracket (mm)

- Triangle bracket

Direction



Dimension



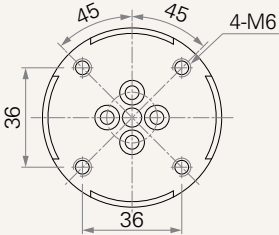
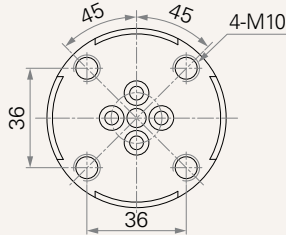
Standard Outer Tube	A	B	C
Standard	437	50	20
M	411	50	20

Extended Outer Tube	A	B	C
Standard	457	50	20
M	431	50	20

Bottom Plate Type (mm)

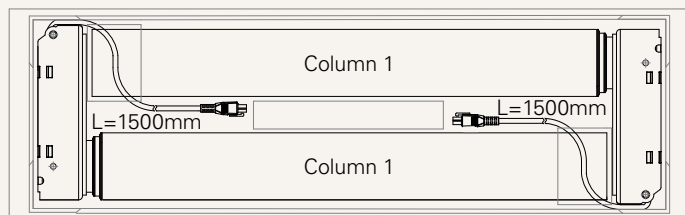
1 = M10, 36*36, TiMOTION standard

2 = M6, 36*36, TiMOTION standard



Package

Package of one TL part number

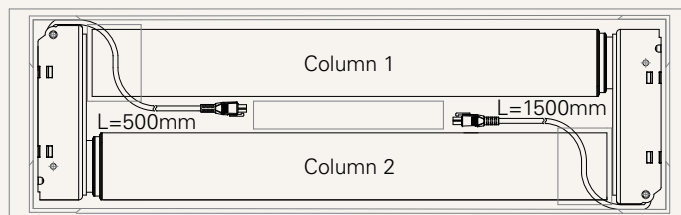


Column: 2pcs TL/box (Same PN& cable length)

Electronic control system: Without

Weight with package: 19KG

Package of two TL part numbers in pairs

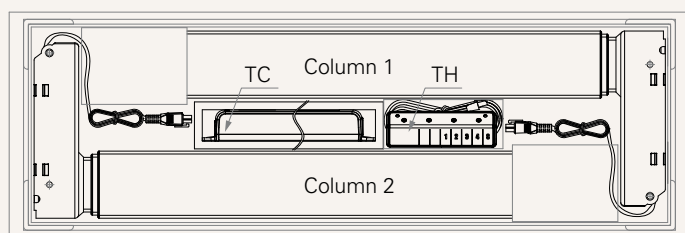


Column: 2pcs TL/box (Different PN, cable length, for pair use)

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.