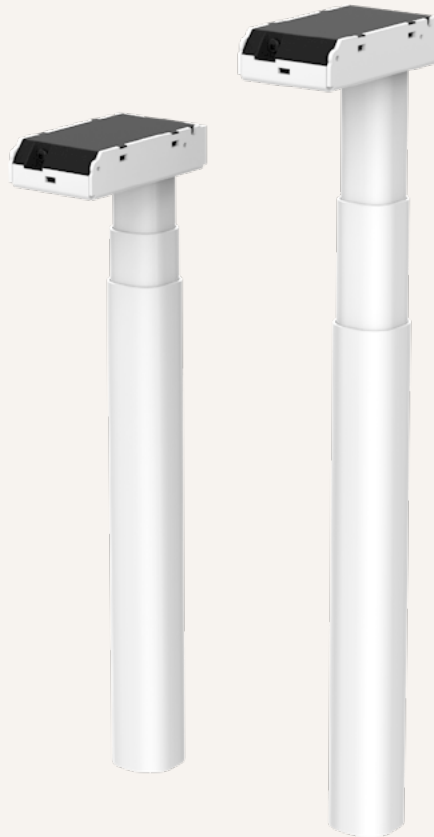


TFL45S

series



Product Segments

• Ergo Motion

The TFL45S is a high-speed lifting column designed with TiMOTION's soft square profile, combining modern aesthetics with smooth, reliable performance. Its refined shape elevates the look of any ergonomic workstation, providing a sleek, contemporary edge.

Powered by FastRise technology, the TFL45S delivers swift and seamless height adjustments, ensuring an effortless user experience with maximum efficiency. It's three-stage telescopic structure offers excellent stability, while multiple columns can be paired with TC series control boxes for synchronized, quiet movement—creating tailored solutions for diverse project needs.

Key Features

- Soft square profile for a modern, elegant design
- FastRise technology for quick, smooth adjustments
- Three-stage telescopic structure for stability and range
- Compatible with TC series control boxes for synchronized motion

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
F	600	600	5.0	9.0	75.0	55.0

- Retracted length
Standard outer tube:
590mm
560mm (M)
520mm (S)
- Stroke
650mm
660mm (M/S)
- Outer profile
Overall width/length 70mm, soft square
- Stages
3-stage
- Output signals
Hall sensor * 2
- Voltage
24V DC
- Color³
 RAL9005
  RAL9006
  RAL9016
 RAL9022
- Operational temperature range
+5°C~+45°C
- Product weight
6.95kg /column

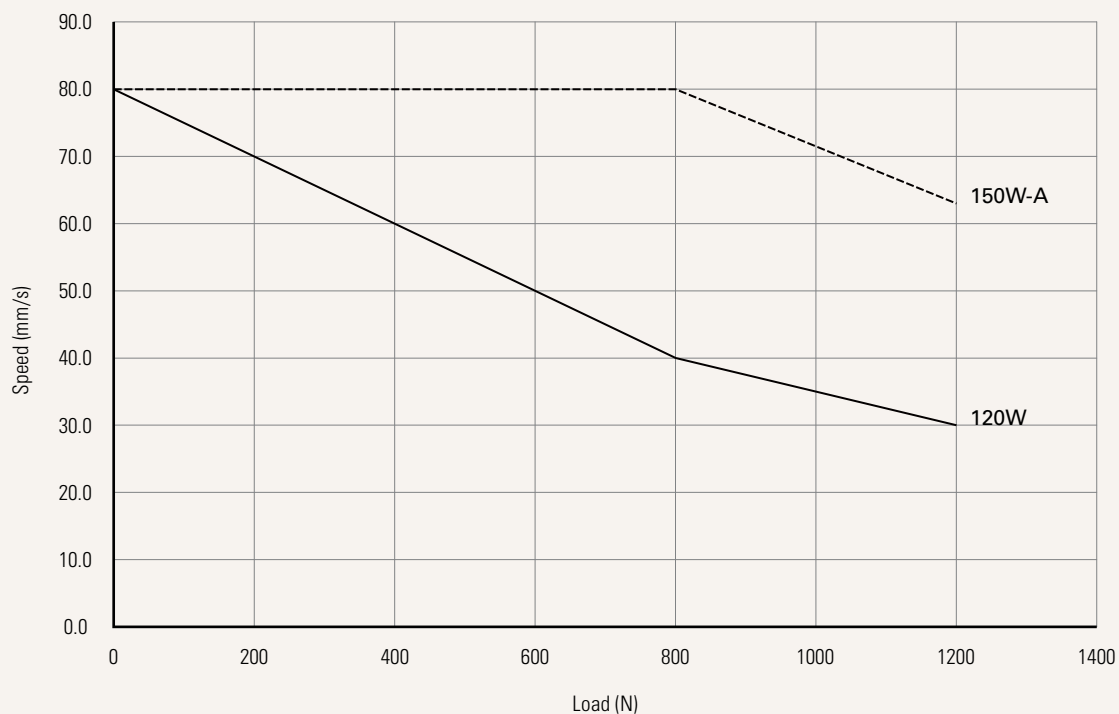
Note

- 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 TC15F. The load is evenly distributed on the work surface.⁴

- TFL45S, two columns driven by TC15F



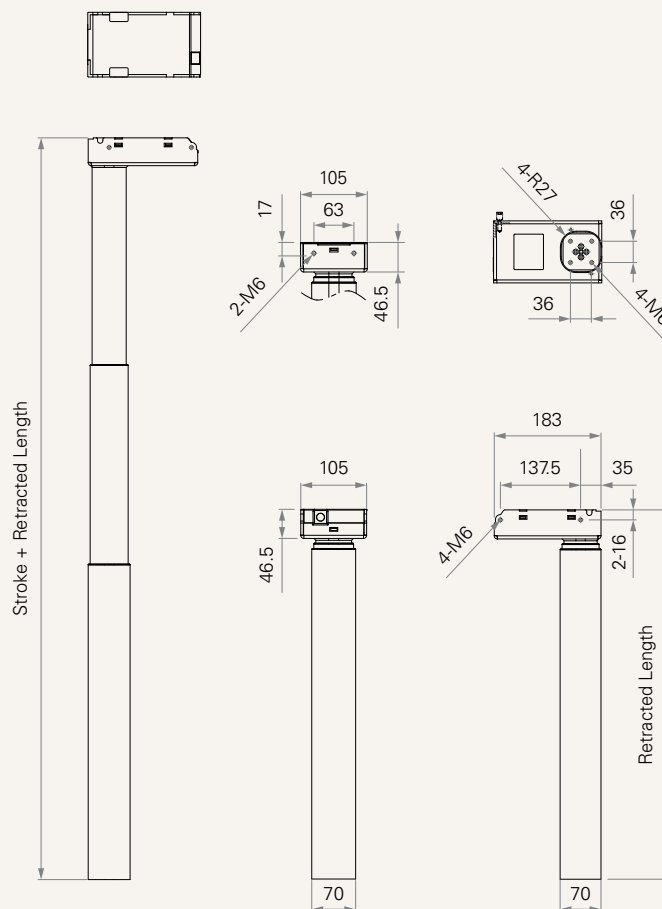
TC15F Spec	Load (N)	Constant Speed (mm/s) with TC15F
120W	1200	40
150W-A	1200	80

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
	S	660	520
Extended Outer Tube	Standard	650	610
	M	660	580
	S	660	540

Note

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

TFL45S Ordering Key

TFL45S

Version: 20260731-C

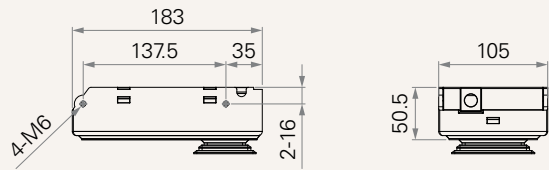
</

Note

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

Appearance of Motor House (mm)

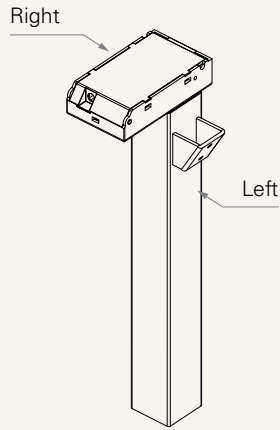
C = TiMOTION standard



Bracket

- Triangle bracket

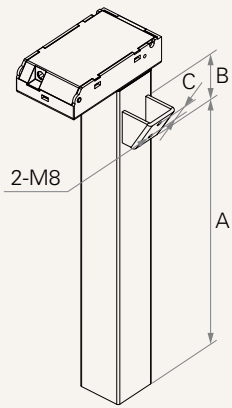
Direction



Right

Left

Dimension



2-M8

A

B

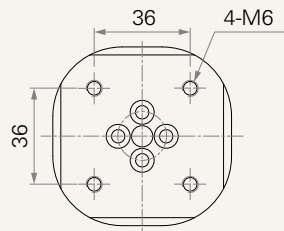
C

Standard Outer Tube	A (mm)	B (mm)	C (mm)
Standard	433.5	55	20
M	407.5	55	20
S	367.5	55	20

Extended Outer Tube	A (mm)	B (mm)	C (mm)
Standard	453.5	55	20
M	427.5	55	20
S	387.5	55	20

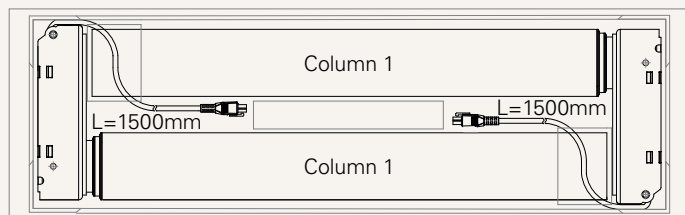
Bottom Plate Type (mm)

2 = M6, 36*36, TiMOTION standard



Package

Package of one TL part number

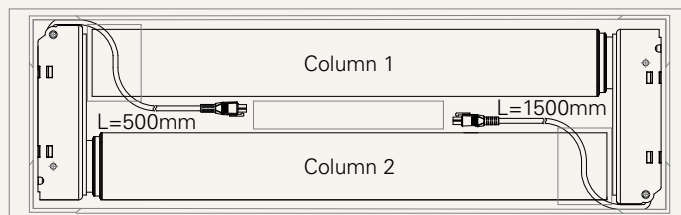


Column: 2pcs TL/box (Same PN & cable length)

Electronic control system: Without

Weight with package: 16KG

Package of two TL part numbers in pairs

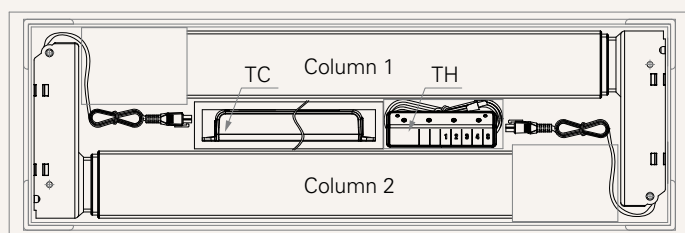


Column: 2pcs TL/box (Different PN, cable length, for pair use)

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.