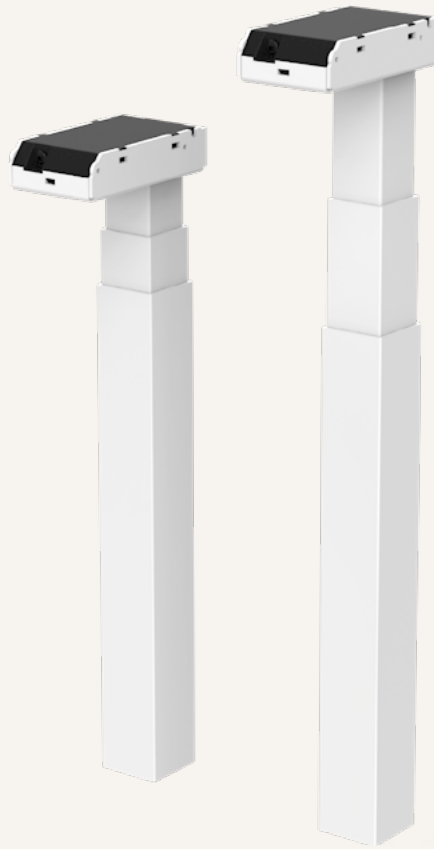


TFL4S

series



Product Segments

• Ergo Motion

Introducing TiMOTION's TFL4S, a high-speed lifting column designed for ergonomic height-adjustable applications. It delivers fast, smooth, and quiet adjustments for an enhanced user experience.

The TFL4S can be paired with TC control box systems to create customized solutions tailored to specific project requirements. Its synchronized movement ensures efficient, stable, and seamless operation.

- FastRise technology for rapid height adjustment
- Three-stage telescopic structure with a rectangular profile

Features

- Load and speed per column¹²

Code	Load (N)	Self Locking Force (N)	Current (A) with 24V DC		Speed (mm/s) with 24V DC		Duty Cycle
			No Load	With Load	No Load	With Load	
Motor Speed (6600RPM)							
F	600	600	5.0	9.0	75.0	55.0	5%

- Outer profile 70*70mm square
- Stages 3-stage
- Output signals Hall sensor * 2, Pressure sensor + Hall sensor * 2
- Voltage 24V DC
- Color³

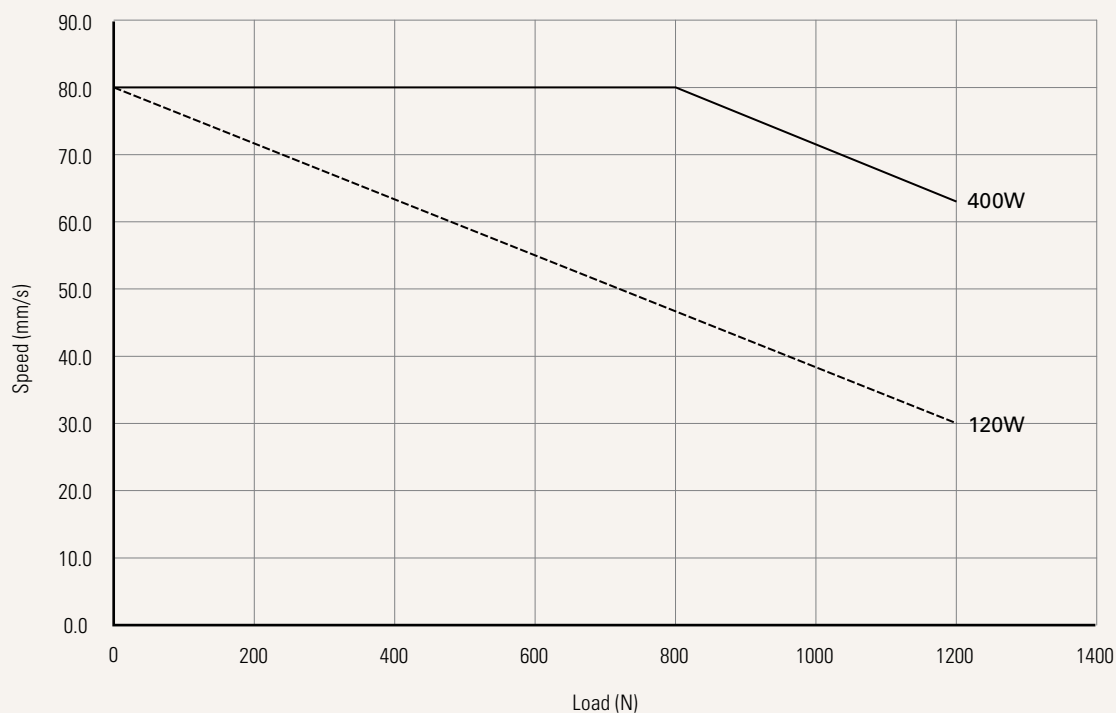
 RAL9005
  RAL9006
  RAL9016
  RAL9022
- Operational temperature range +5°C~+45°C
- Product weight 7.36kg /column

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



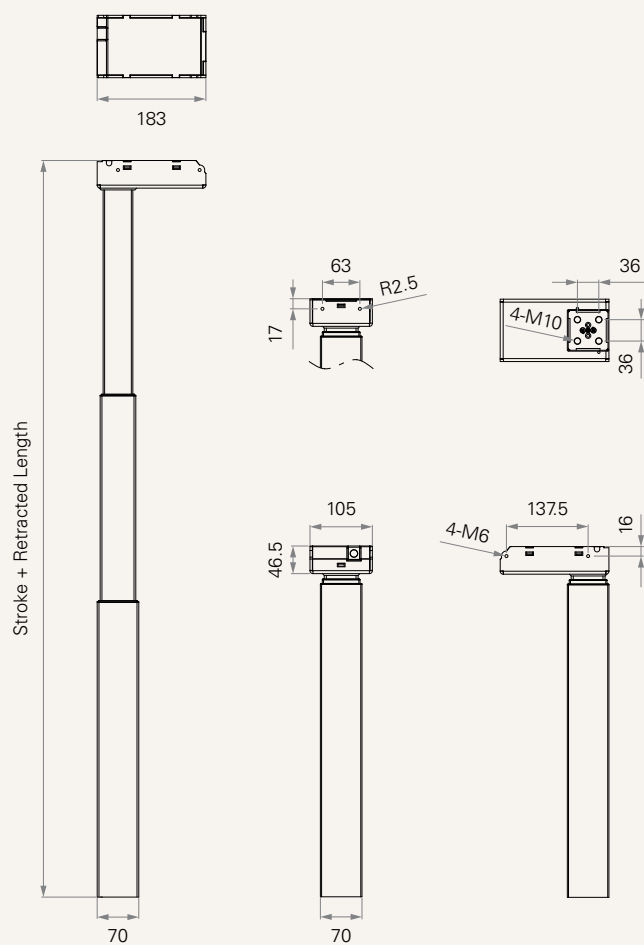
TC15F Spec	Load (N)	Constant Speed (mm/s) with TC15F
120W	1200	40
400W	1200	80

Note

⁴ The corresponding control box software is required.

Drawing

Standard Dimensions
(mm)



Stroke & Retracted Length

Options	Stroke (mm)	Retracted Length (mm)
Standard	650	590
M	660	560
S	660	520
XL	1000	800

Note

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

TFL4S Ordering Key

TFL4S

Version: 20260505-B

	Appearance of Motor House	C = TiMOTION standard			
	Voltage	2 = 24V DC			
	Load and Speed	See page 2			
	Stroke & Retracted Length (mm)	650 590 = Standard * Please refer to See page 4 for others.			
	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 (mm)	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		5 = Pressure sensor + Hall sensor * 2	
	Connector	1 = DIN 6P, 90° plug See page 6		F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23	
	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.

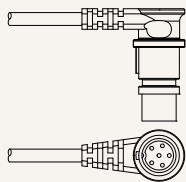
Foot Assembly

Standard outer tube compatible with foot (excluding foot)

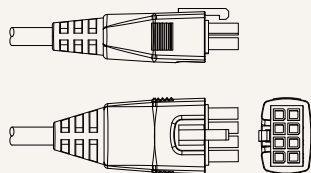


Connector

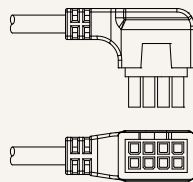
1 = DIN 6P, 90° plug



E = Molex 8P, 180° plug, standard



P = Molex 8P, 90° plug, without anti-clip, for TC22/TC23



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.