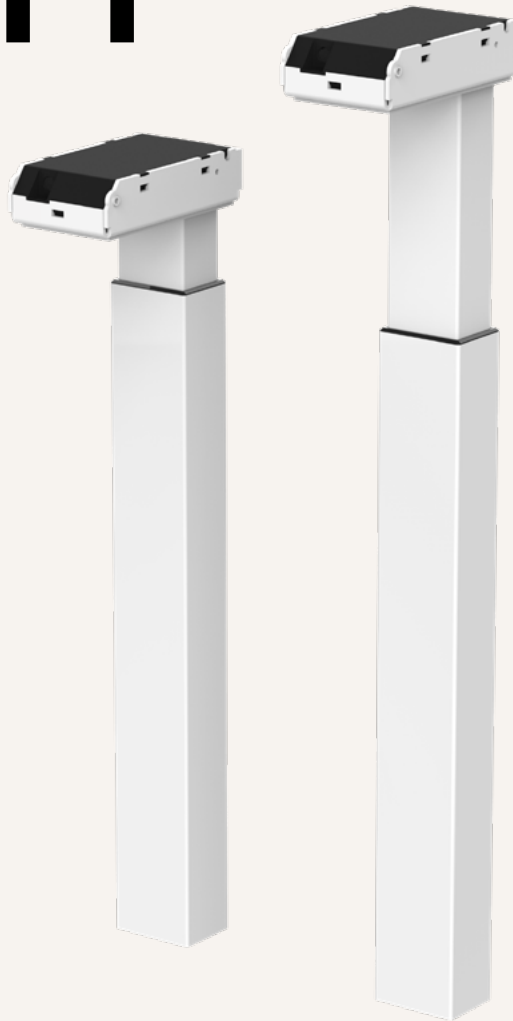


TL15H

series



Product Segments

- **Ergo Motion**

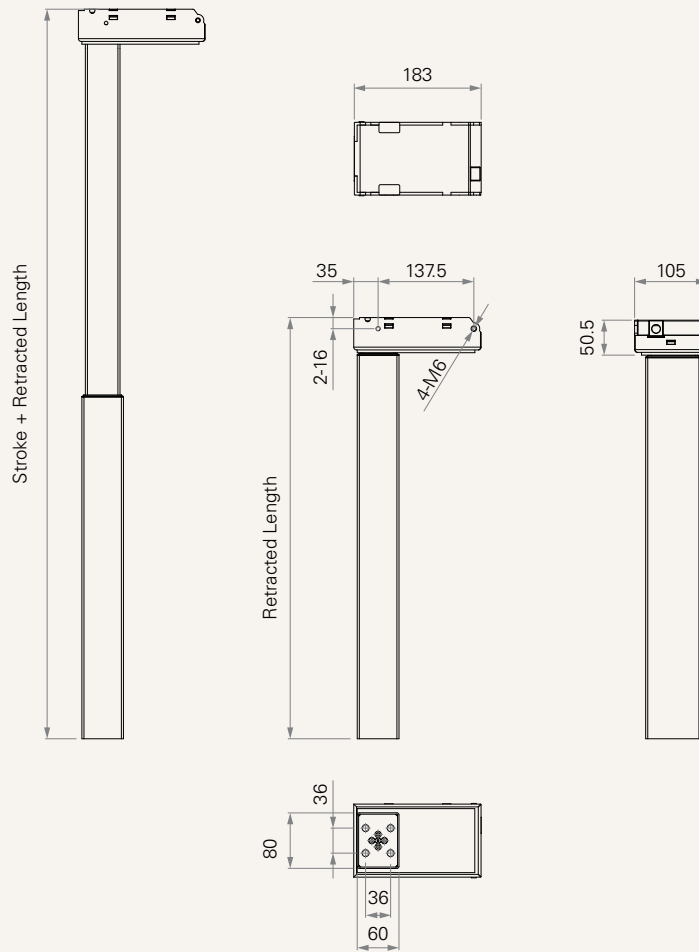
TiMOTION's TL15H is one of the heavy-duty lifting columns of our Ergo Motion product line. Each TL15H elevates up to 120kg with a smooth and steady movement. This lifting column is suitable for consoles, workbenches, industrial workstations, heavy tabletops, and other heavy loading applications. It is also compatible with the control box for the Ergo Motion and TEK series.

General Features

Max. load	1200N (push)
Max. speed at max. load	17mm/s
Max. speed at no load	21mm/s
Retracted length	Standard: 645mm
Dimension of outer tube	2-stage, 80*60mm rectangular
Stroke	500mm
Color	Black, white, grey, or special colors

Drawing

Standard Dimensions
(mm)



Load and Speed

CODE	Load (N)	Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
			No Load 29V DC	With Load 24V DC	No Load 29V DC	With Load 24V DC
Motor Speed (5200RPM)						
E	1200	1800	2.8	6.0	21.0	17.0

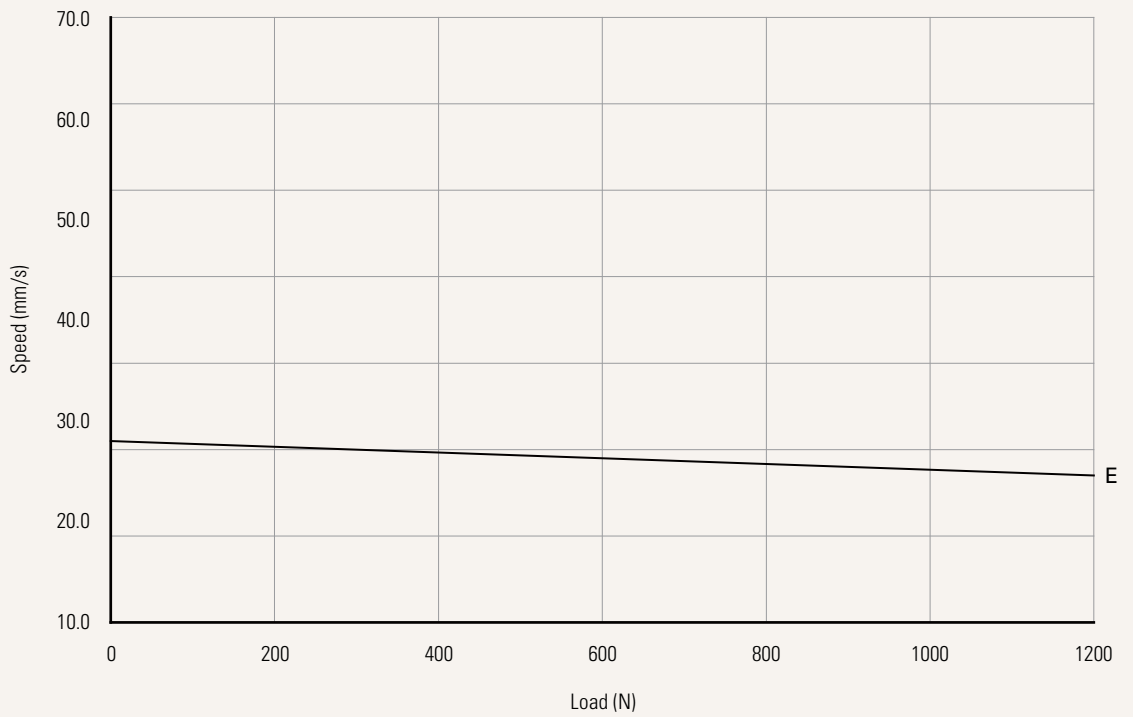
Note

- 1 Above self lock performance needs working with Timotion control system.
- 2 Parameters above are from tested average, please refer to approval drawing for final value.

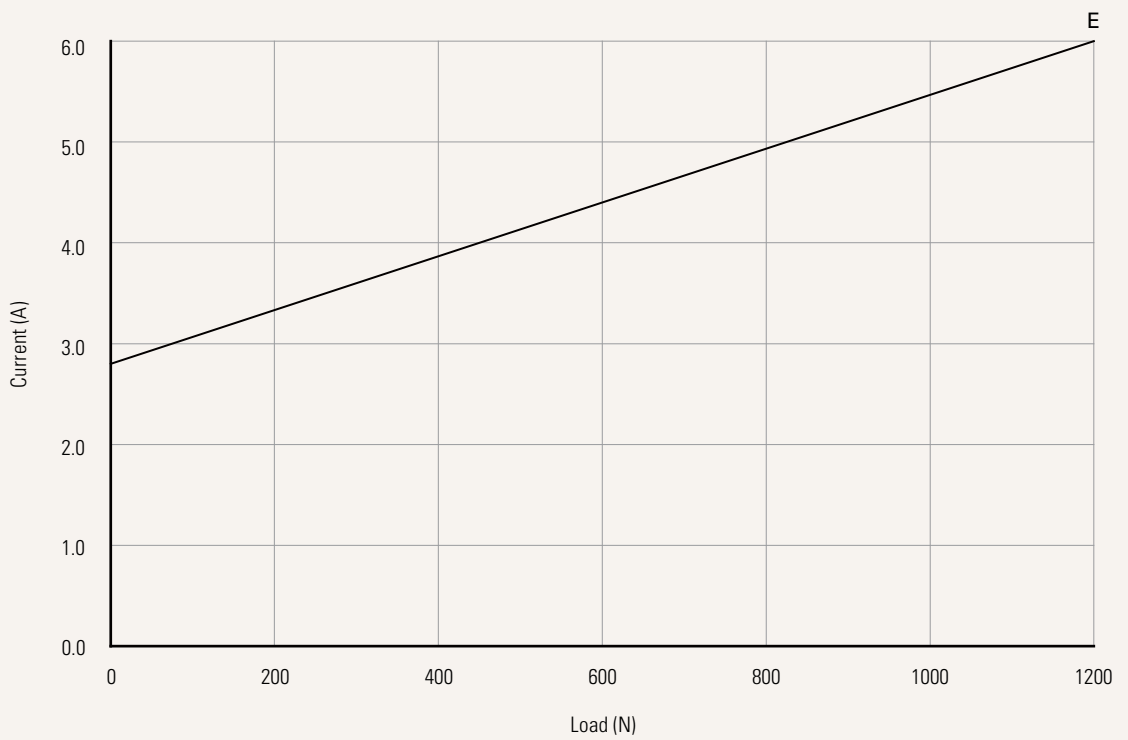
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



Note

1 The performance data in the curve charts shows theoretical value.

Appearance of Tubes	C = Without wiper fixing holes at sides		
Voltage	2 = 24V DC		
Load and Speed	See page 2		
Stroke & Retracted Length (mm)	See page 5		
Color	1 = Black, RAL 9005, Black wiper 2 = Grey, RAL 9006, Black wiper 3 = White, RAL 9016, Black wiper 4 = Special grey, RAL 9022, Black wiper 6 = Grey, RAL 9006, Grey wiper	7 = White, RAL 9016, White wiper 8 = Special grey, RAL 9022, Grey wiper B = Matte black, RAL 7021, Black wiper C = Graphite grey RAL7024, Black wiper D = Matte black, RAL 7021, Matte Black wiper	
Motor Housing Step	0 = With	1 = Without	
Output Signals	2 = Hall sensor * 2		
Connector See page 5	1 = DIN 6P, 90° plug E = Molex 8P, plug, standard	F = Molex 8P, 90° plug, without anti-clip, for TC22 / TC23	
Cable Length (mm)	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500
Bracket	0 = Without L = Left, standard	R = Right, standard 5 = Left, triangle	6 = Right, triangle

Note

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

Stroke & Retracted Length (mm)

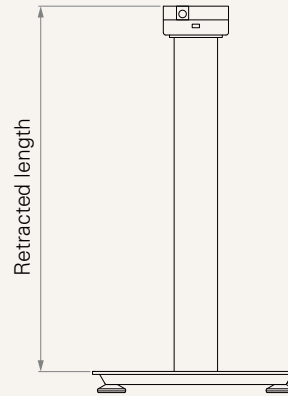
Foot Assembly	Stroke & Retracted Length
	Standard
Standard, for foot (excluding foot)	500 / 645

Note

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

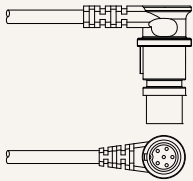
Foot Assembly

Standard, for foot (excluding foot)

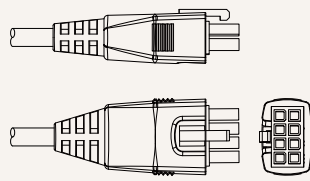


Connector

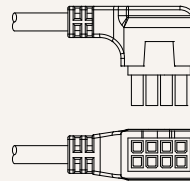
1 = DIN 6P, 90° plug



E = Molex 8P, plug, standard



F = 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.