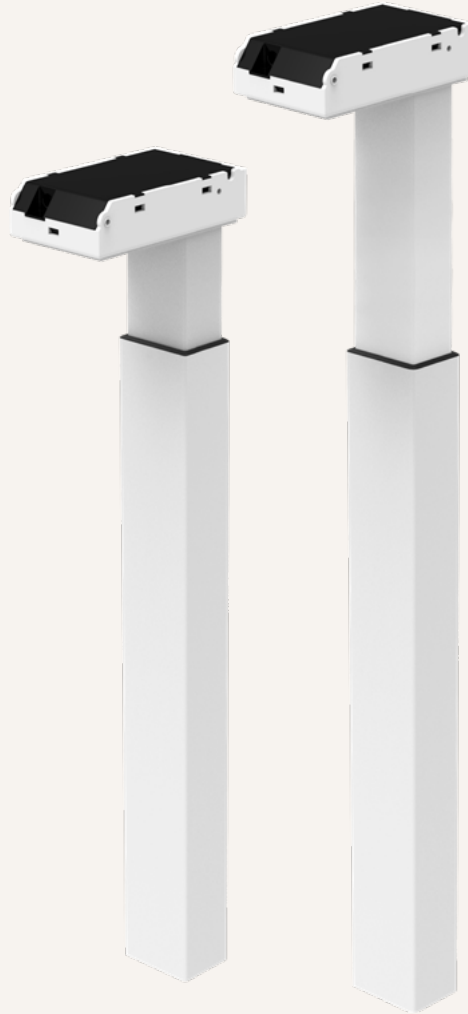


TL15

series



Product Segments

• Ergo Motion

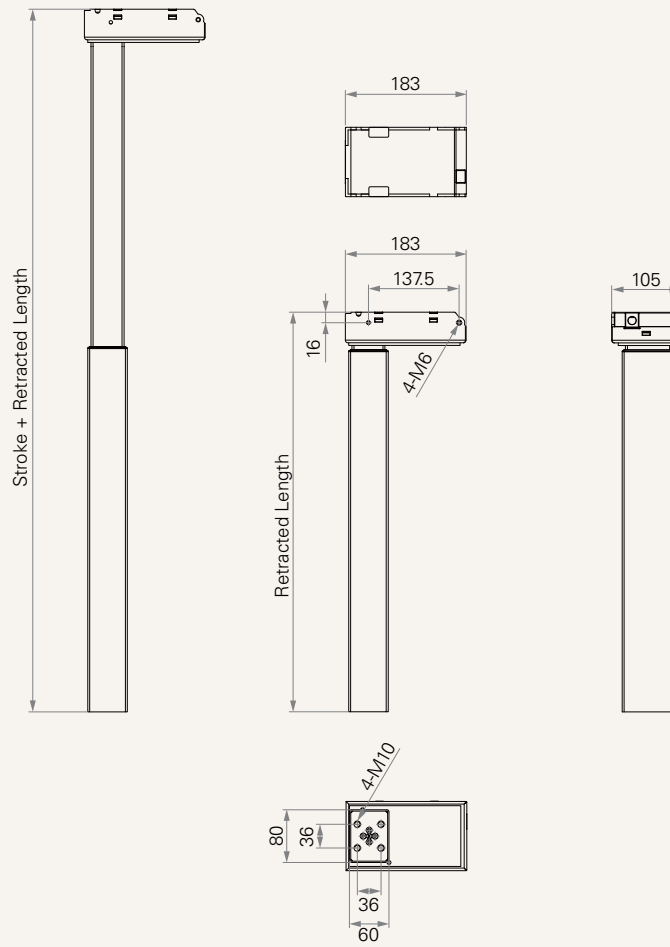
TiMOTION's TL series lifting columns are specifically designed for use in ergonomic desks and work tables. Using multiple TL series lifting columns with compatible TC series Control Boxes and TH/TDH series controls, work surfaces can be controlled quietly and smoothly with synchronous movement. All Ergo Motion TC series control boxes have a less than 0.1W standby power option that reduces power consumption. Our wide range of columns offer customers the solutions they require to satisfy their working environment project requirements. The TL15 has a two stage telescopic outer tube that is designed for a narrow-top, wide-bottom rectangular appearance.

General Features

Maximum load	800N in push
Maximum speed at full load	28mm/s (with 800N in a push condition)
Minimum installation dimension	645mm
Stroke	500mm
Dimension of outer tube (L*W)	80*60mm
Color	Black, white, grey, or special colors
Two stage outer tube with rectangular appearance	
With narrow top and wide bottom configuration	

Drawing

Standard Dimensions
(mm)



Load and Speed

CODE	Load (N)	Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
			No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
	Push					
Motor Speed (5200RPM)						
A	800	800	2.5	5.0	46.0	28.0

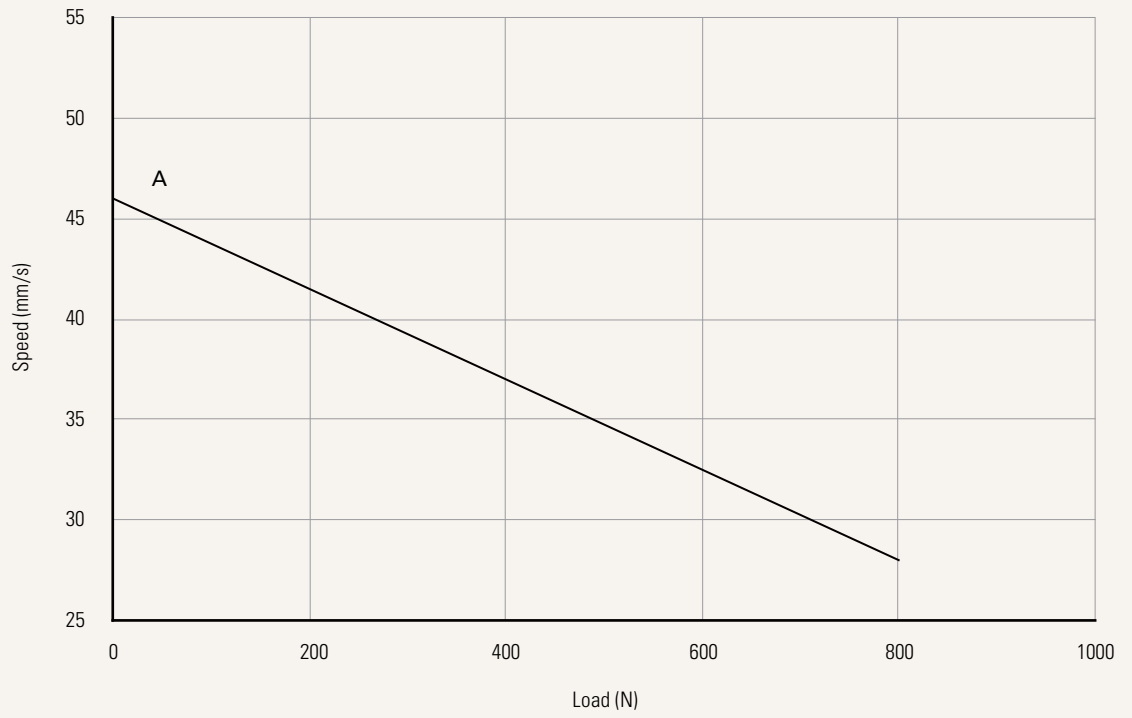
Note

- 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.

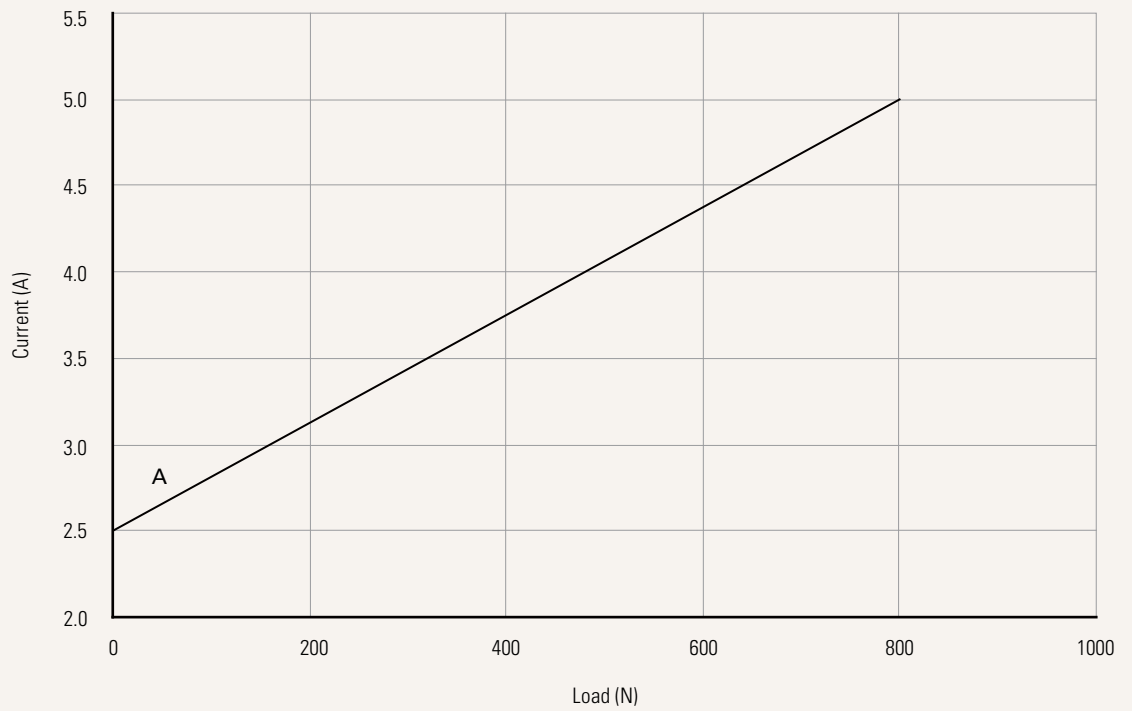
Performance Data (24V DC Motor)

Motor Speed (522600RPM)

Speed vs. Load



Current vs. Load



Note

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

Appearance of Tubes	B = With wiper fixing holes at sides See page 5	C = Without wiper fixing holes at sides
Voltage	2 = 24V	
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	
Plug	1 = DIN 6P, 90° plug See page 5	E = Molex 8P, plug, standard
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

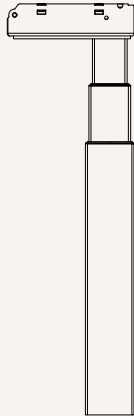
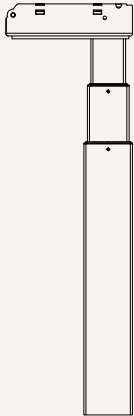
Note

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

Appearance of tubes

B = With wiper fixing holes at sides

C = Without wiper fixing holes at sides



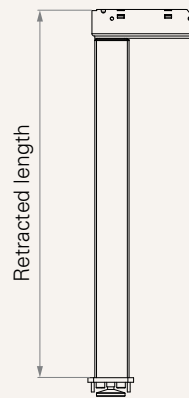
Stroke & Retracted Length (mm)

Foot Assembly	Stroke/Retracted Length
Standard	500/645
With Shoes	500/665

Note

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

Standard

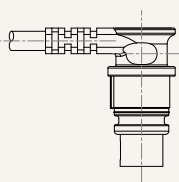


With shoes

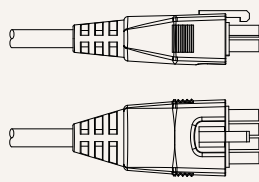


Connector

1 = DIN 6P, 90° plug



E = Molex 8P, plug, standard



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.