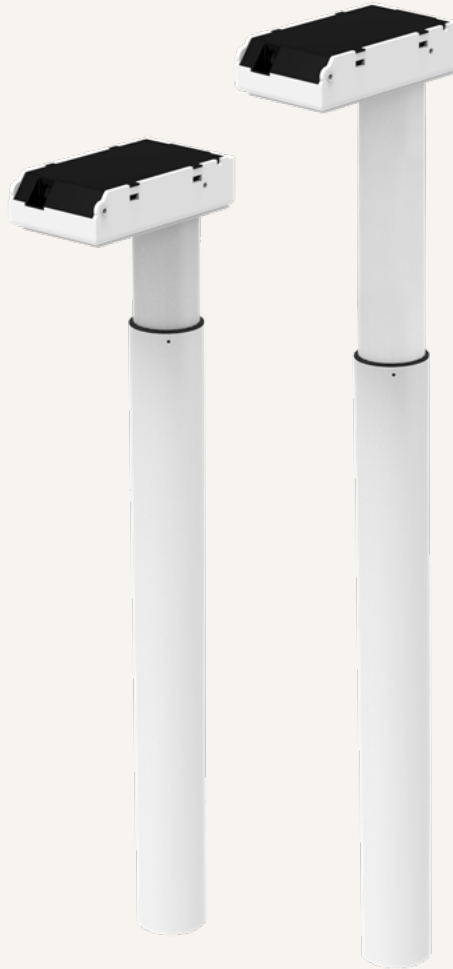


# TL14

series



## Product Segments

- **Ergo Motion**

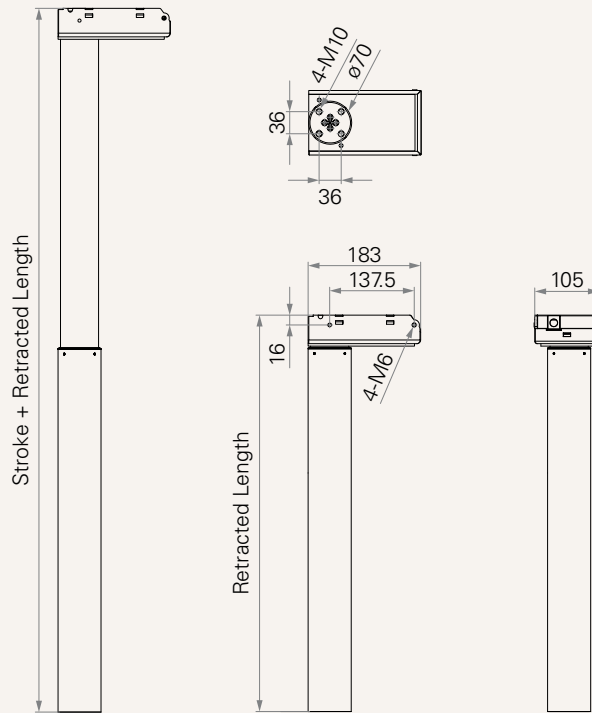
TiMOTION's TL14 series lifting columns are specifically designed for use in ergonomic desks and work tables. Using multiple TL series lifting columns with compatible TC series Control Boxes and TH/TDH series controls, work surfaces can be controlled quietly and smoothly with synchronous movement. All 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 TL14 has a two stage telescopic outer tube that is designed for a narrow-top, wide-bottom round 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	Ø70mm
Two stage outer tube with round 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)	
	Push		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
<b>Motor Speed (5200RPM)</b>						
<b>A</b>	800	800	2.5	5.0	46.0	28.0

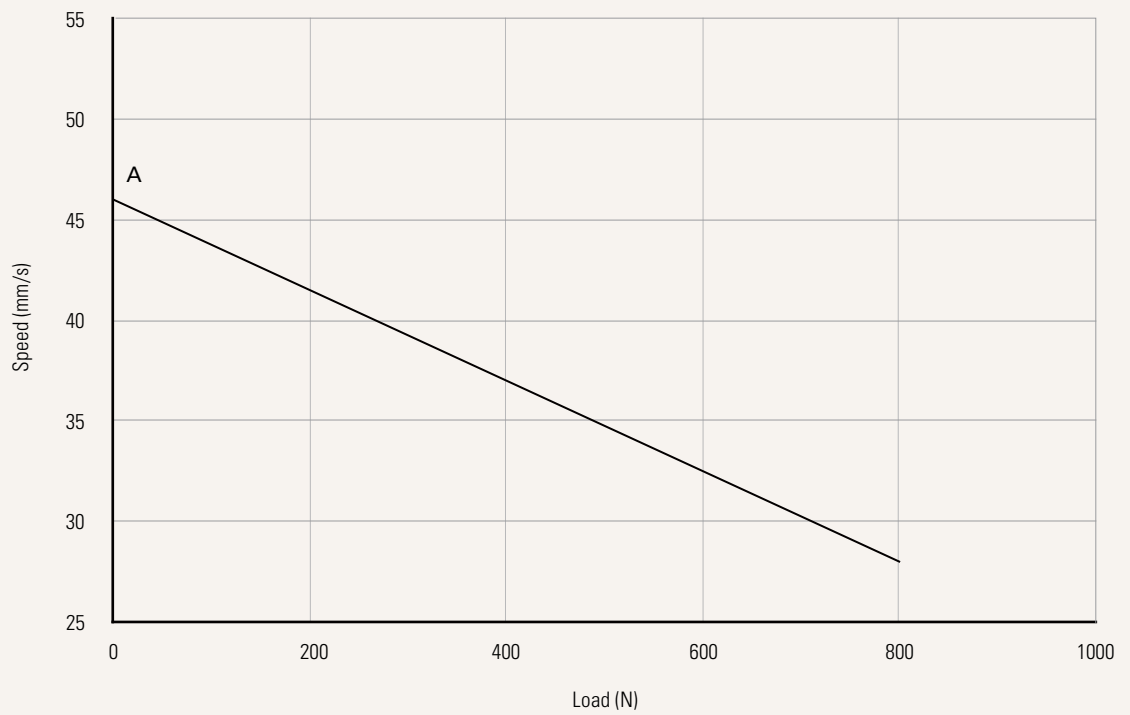
**Note**

- 1 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TIMOTION control boxes have this feature built-in.
- 2 The numbers above are based on the tested average, please refer to the approval drawing for the final value.

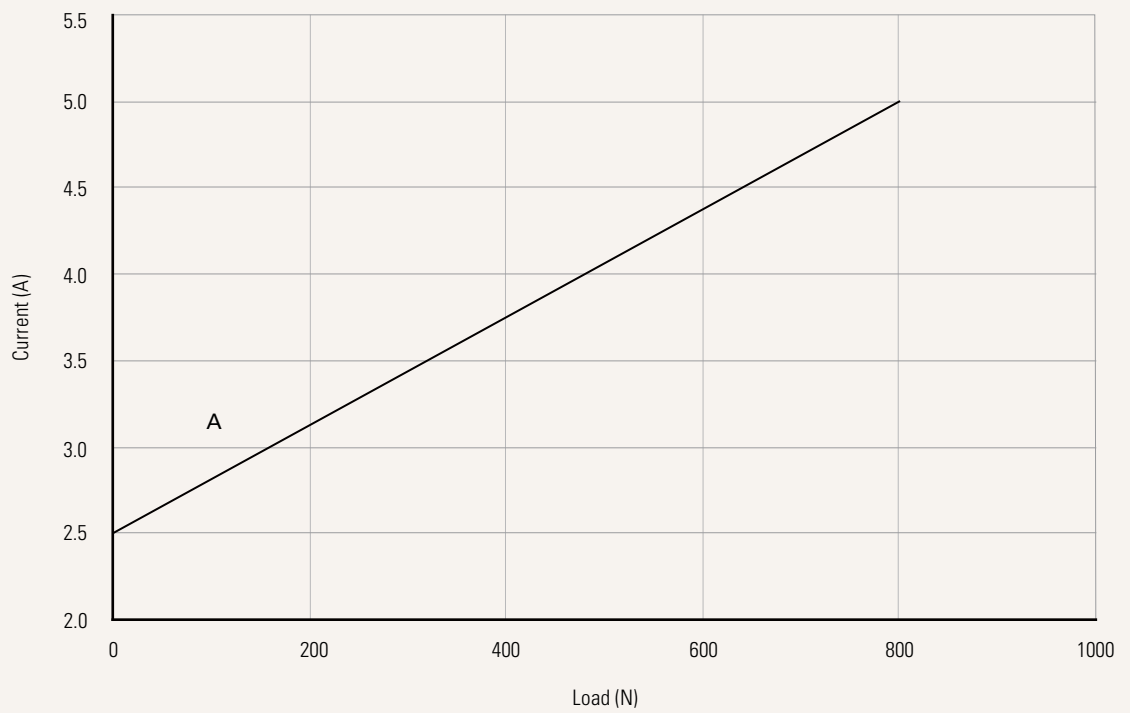
**Performance Data (24V DC Motor)**

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



**Note**

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

<b>Appearance of Tubes</b>	B = With wiper fixing holes at sides	C = Without wiper fixing holes at sides
<b>Voltage</b>	2 = 24V	
<b>Load and Speed</b>	<a href="#">See page 2</a>	
<b>Stroke &amp; Retracted Length (mm)</b>	<a href="#">See page 5</a>	
<b>Color</b>	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
<b>Motor Housing Step</b>	0 = With	1 = Without
<b>Output Signals</b>	2 = Hall sensors*2	
<b>Connector</b> <a href="#">See page 5</a>	1 = DIN 6P, 90° plug	E = Molex 8P, plug, standard
<b>Cable Length (mm)</b>	1 = Straight, 500	4 = Straight, 1500
<b>Welding Part</b>	0 = Without	

### Note

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

## Stroke & Retracted Length (mm)

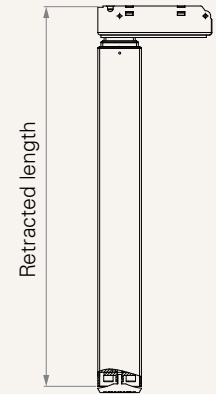
Foot Assembly	Stroke / Retracted Length
	Standard
<b>Standard</b>	500 / 645
<b>With Shoes</b>	500 / 665

## Foot Assembly

Standard

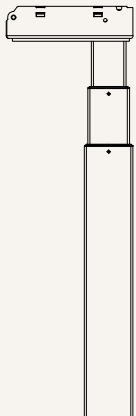


With shoes

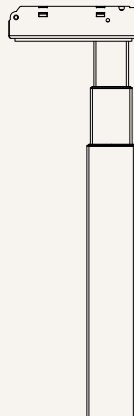


## Appearance of Tubes

B = With wiper fixing holes at sides

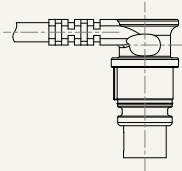


C = Without wiper fixing holes at sides

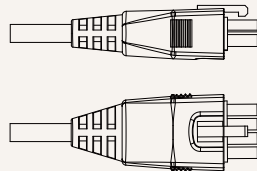


## Connector

1 = DIN 6P, 90° plug



E = Molex 8P, plug, standard



## Terms of Use

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