

TL13

series



Product Segments

• Ergo Motion

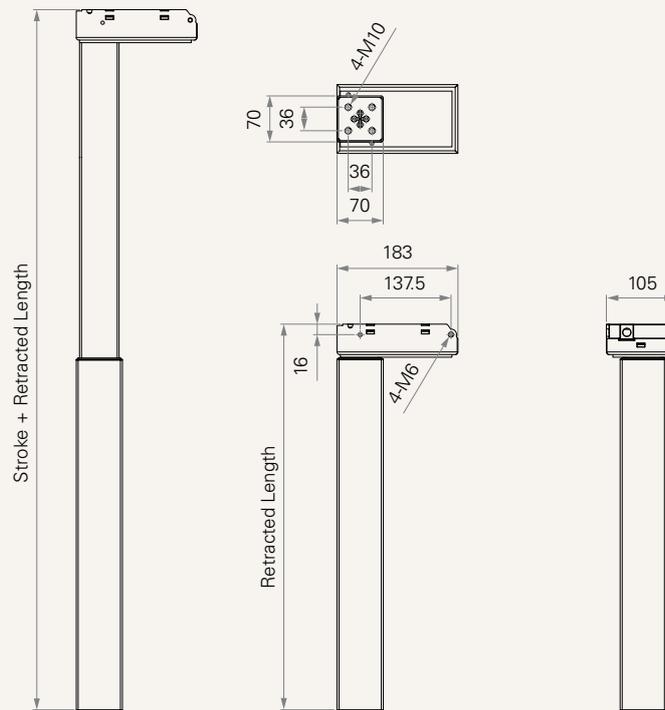
TiMOTION's TL13 series lifting columns are specifically designed for use in ergonomic desks and work tables. Using multiple TL series lifting columns with compatible TC series Control Boxes and TH/TDH series controls, work surfaces can be controlled quietly and smoothly with synchronous movement. All 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 TL13 has a two stage telescopic outer tube that is designed for a narrow-top, wide-bottom square appearance.

General Features

Max. load	800N (push)
Max. speed at max. load	28mm/s
Max. speed at no load	46mm/s
Retracted length	Standard: 645mm; for shoes: 665mm
Dimension of outer tube	70*70mm square
Stages	2-stage
Stroke	500mm
Output signals	Hall sensors
Voltage	24V DC
With motor house	

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
Motor Speed (5200RPM)						
A	800	800	2.5	5.0	46.0	28.0

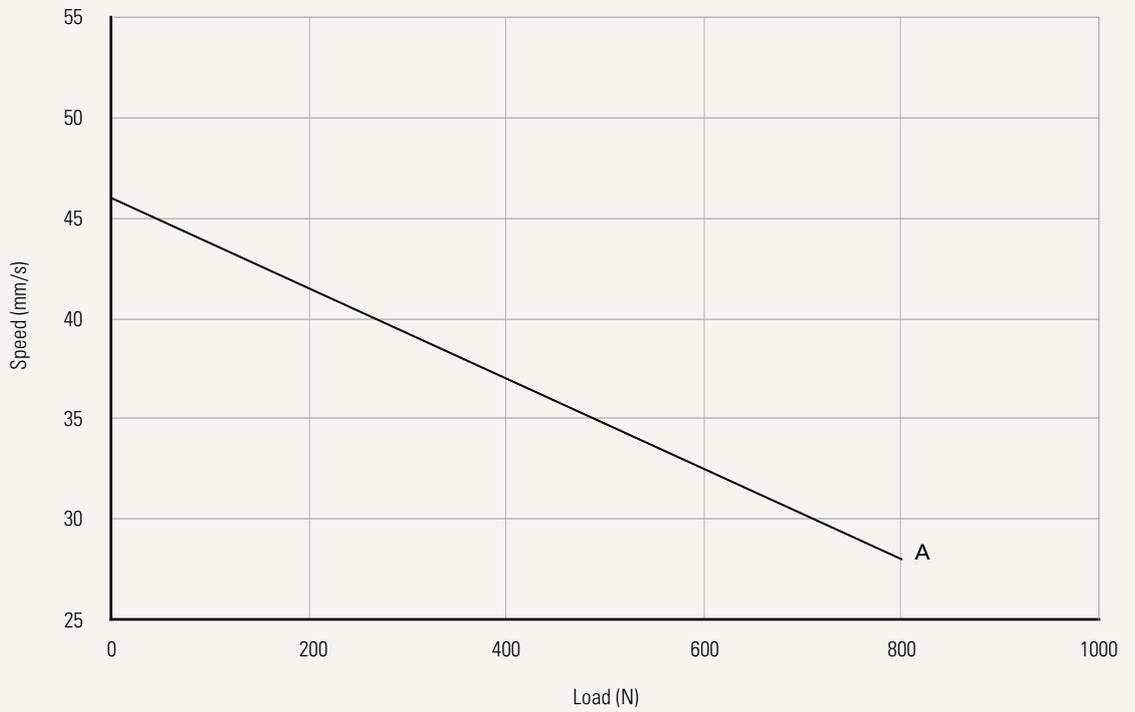
Note

- 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.

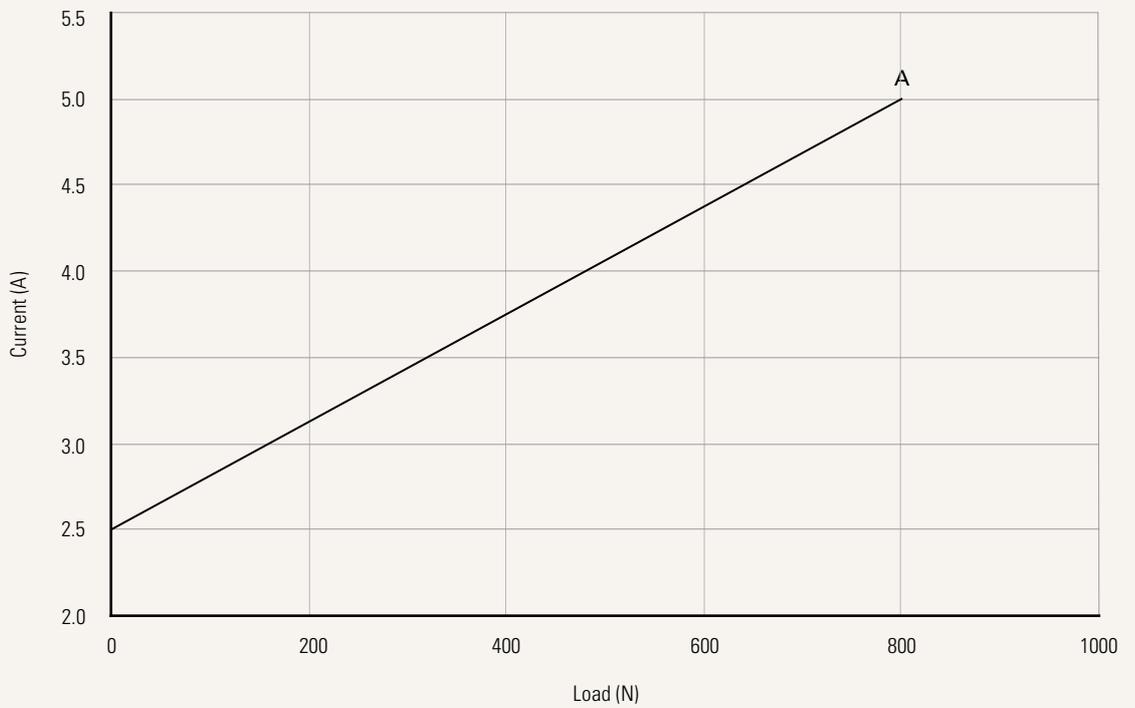
Performance Data (24V DC Motor)

Motor Speed (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			
Load and Speed	See page 2			
Stroke & Retracted Length (mm)	See page 5			
Color	1 = Black, RAL 9005, black wiper	7 = White, RAL 9016, white wiper		
	2 = Grey, RAL 9006, black wiper	8 = Special grey, RAL 9022, grey wiper		
	3 = White, RAL 9016, black wiper	B = Matte black, RAL 7021, Black wiper		
	4 = Special grey, RAL 9022, black wiper	C = Graphite grey, RAL7024, Black wiper		
	6 = Grey, RAL 9006, grey wiper	D = Matte black, RAL 7021, Matte Black wiper		
Motor Housing Step	0 = With	1 = Without		
Output Signals	2 = Hall sensors*2			
Connector See page 5	1 = DIN 6P, 90° plug	F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23		
	E = Molex 8P, 180° plug, standard			
Cable Length (mm)	1 = Straight, 500	4 = Straight, 1500		
Bracket	0 = Without	L = Left	R = Right	B = Back

Note

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

Stroke & Retracted Length (mm)

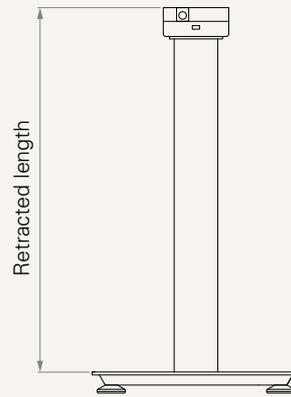
Foot Assembly	Stroke & Retracted Length
	Standard
Standard, with Foot	500 / 645
Extended Outer Tube for Shoe (Excluding Shoe)	500 / 665

Note

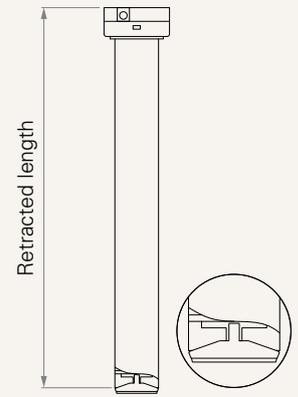
1 Only specific TEK could be with the shoes, please refer to TEK speccode

Foot Assembly

Standard, with foot

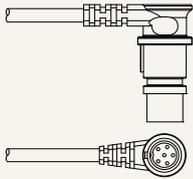


Extended outer tube for shoe (excluding shoe)

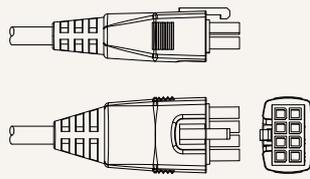


Connector

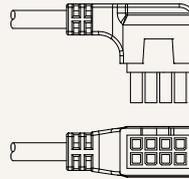
1 = DIN 6P, 90° plug



E = Molex 8P, 180° 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.