

# TL32S

series



## Product Segments

- **Ergo Motion**

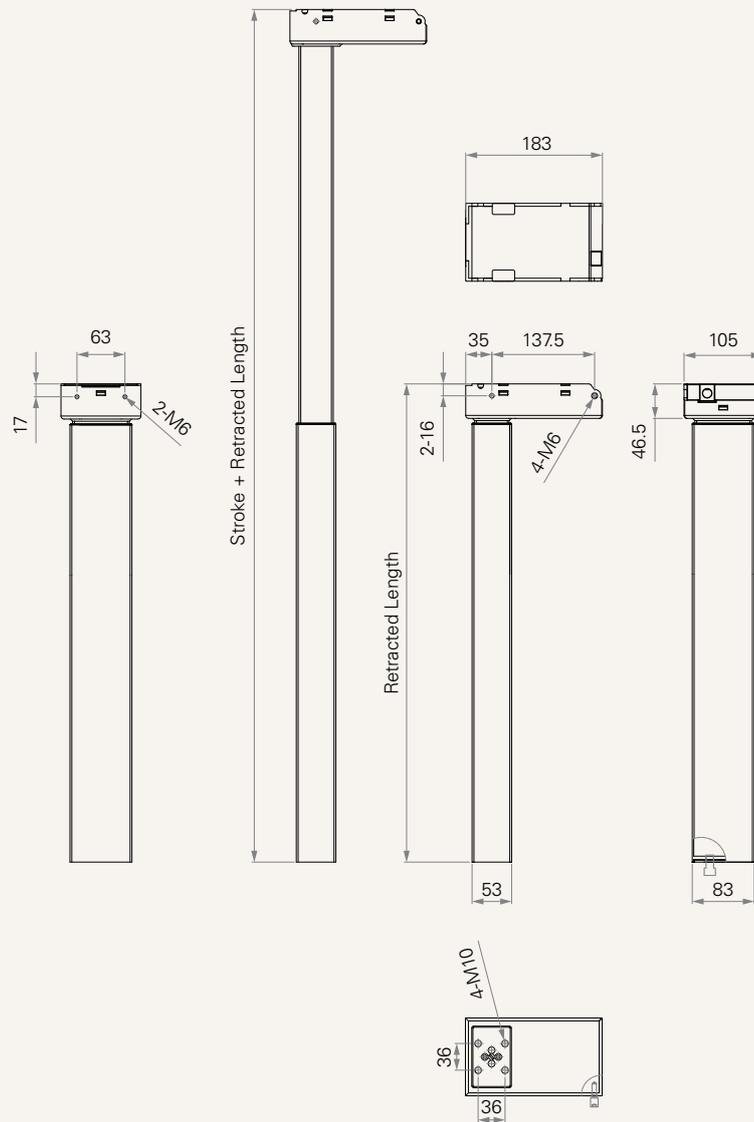
TiMOTION's TL32S series lifting columns are specifically designed for use in ergonomic desks and work tables. Using multiple TL series lifting columns with compatible TC series control boxes and TH/TDH series controls, work surfaces can be controlled quietly and smoothly with synchronous movement. All Ergo Motion TC series control boxes have a less than 0.1W standby power option that reduces power consumption. Our wide range of columns offers customers the solutions they require to satisfy their project requirements. The TL32S has a two stage telescopic outer tube that is designed for a narrow-top, wide-bottom rectangular appearance.

### General Features

Max. load	700N (push)
Max. speed at max. load	30mm/s
Max. speed at no load	38mm/s
Retracted length	Standard (compatible with foot): 645mm Extended (compatible with shoe): 665mm
Dimension of outer tube	83*53mm rectangular
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)	
	Push		No Load 29V DC	With Load 29V DC	No Load 29V DC	With Load 29V DC
<b>Motor Speed (5200RPM, short motor)</b>						
<b>B</b>	700	700	2.0	4.2	38.0	30.0

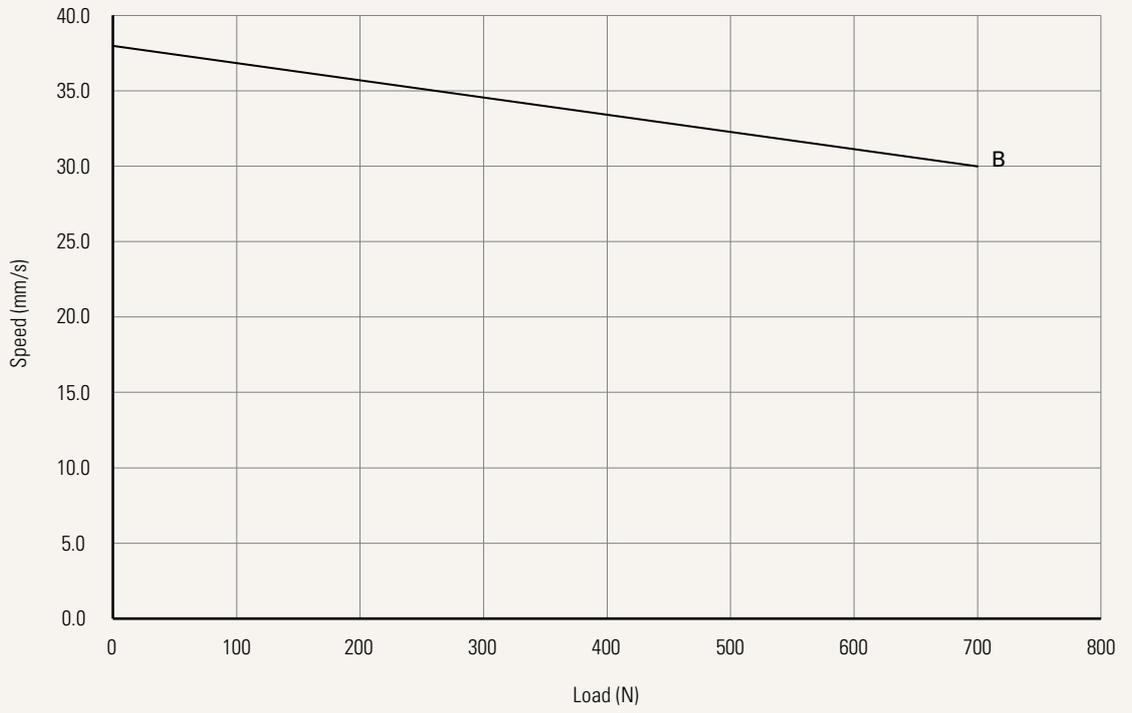
**Note**

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

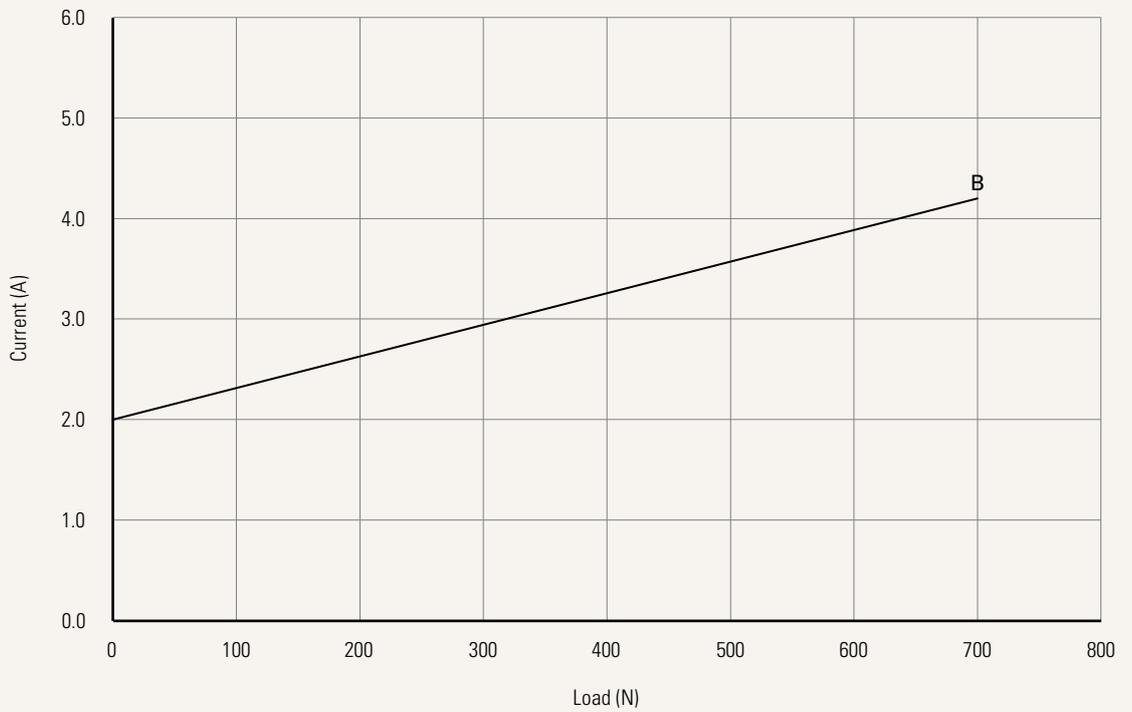
**Performance Data (24V DC Motor)**

Motor Speed (5200RPM, short motor)

Speed vs. Load



Current vs. Load



**Note**

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

<b>Appearance of Motor House</b>	C = TiMOTION standard		
<b>Voltage</b>	2 = 24V DC		
<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 sensor * 2		
<b>Connector</b> <a href="#">See page 5</a>	1 = DIN 6P, 90° plug E = Molex 8P, 180° plug, standard	F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23	
<b>Cable Length (mm)</b>	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500
<b>Bracket</b>	0 = Without		

### Note

<sup>1</sup> The TL is designed especially for push applications, not suitable for pull applications.

## Stroke & Retracted Length (mm)

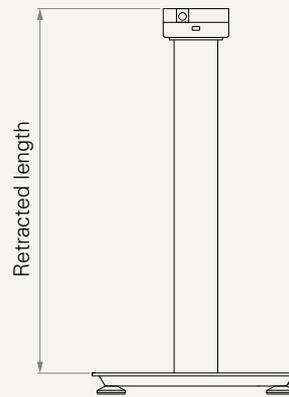
Foot Assembly	Stroke & Retracted Length
	Standard
<b>Standard, for Foot (Excluding Foot)</b>	500 / 645
<b>Extended Outer Tube for Shoe (Excluding Shoe)</b>	500 / 665

### Note

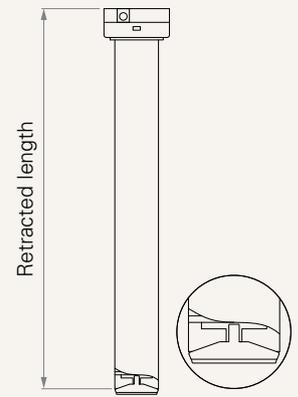
1 Only specific TEK could be with the shoes, please refer to TEK speccode.

## Foot Assembly

Standard, for foot (excluding foot)

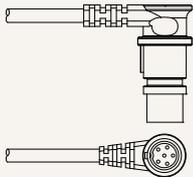


Extended outer tube for shoe (excluding shoe)

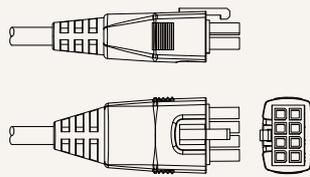


## Connector

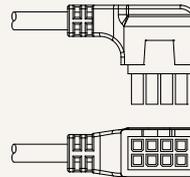
1 = DIN 6P, 90° plug



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.