TL32S

series

Product Segments

- **Ergo Motion**

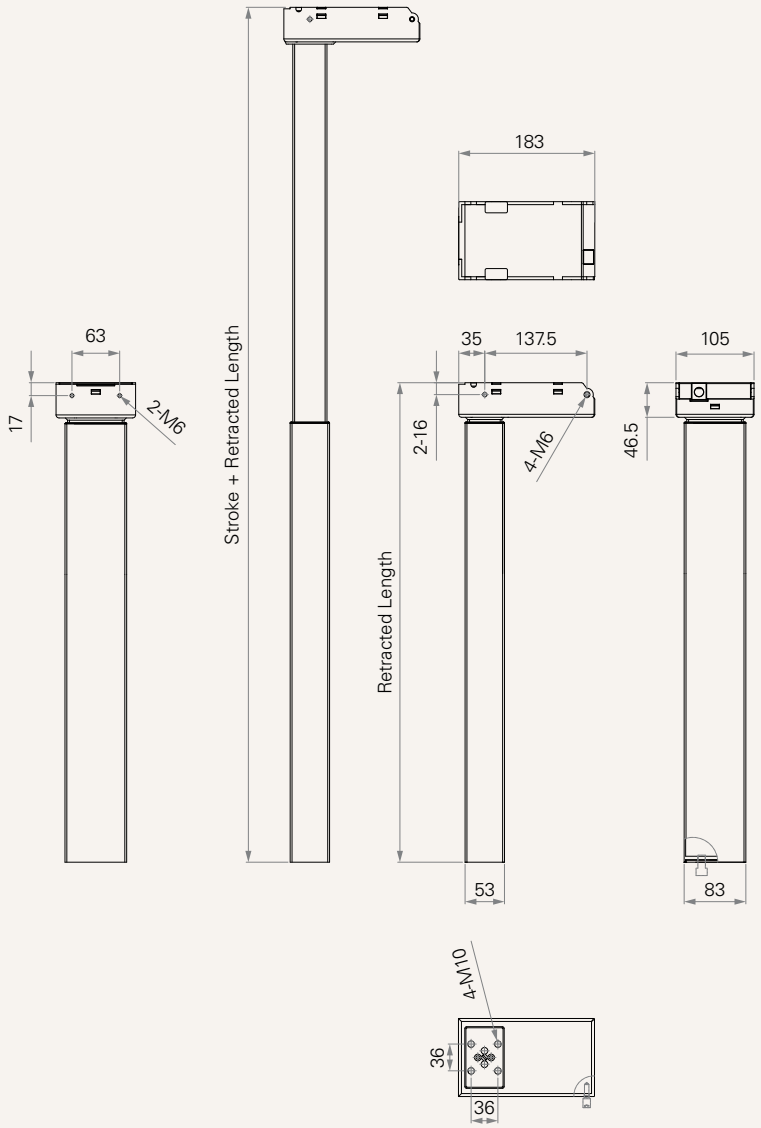
TiMOTION's TL32S series lifting columns are specifically designed for use in ergonomic desks and work tables. Using multiple TL series lifting columns with compatible TC series control boxes and TH/TDH series controls, work surfaces can be controlled quietly and smoothly with synchronous movement. All 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 sensor*2
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
Motor Speed (5200RPM, short motor)						
B	700	700	2.0	4.2	38.0	30.0

Note

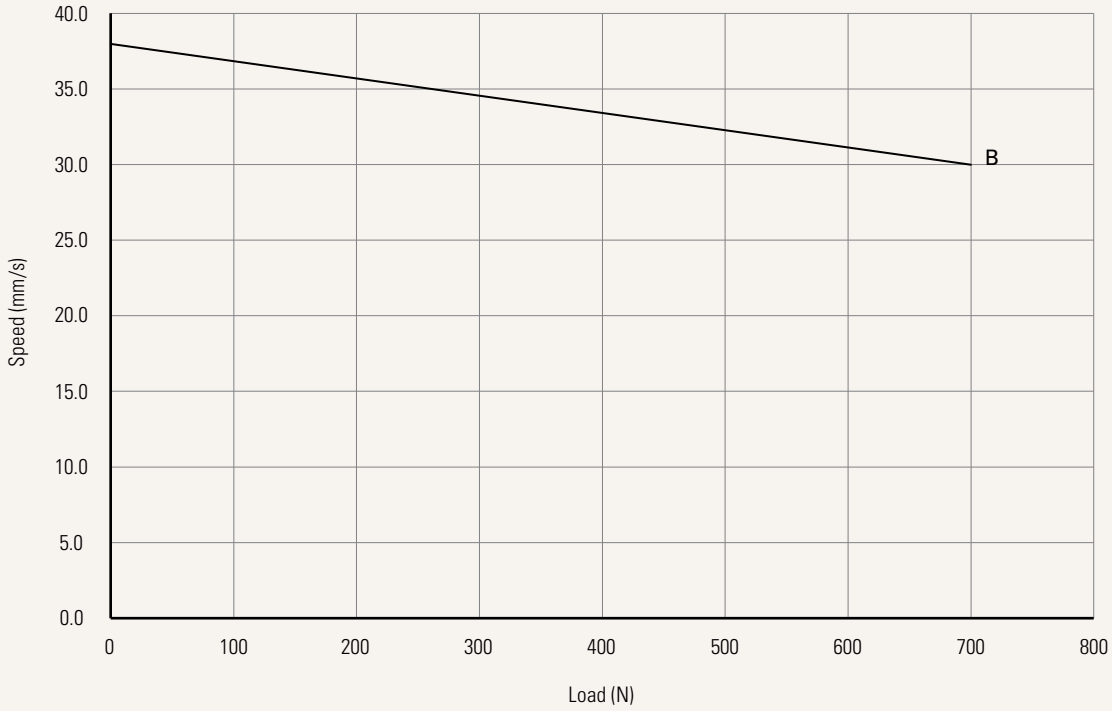
1 Above self lock performance needs working with Timotion control system.

2 Parameters above are from tested average, please refer to approval drawing for final value.

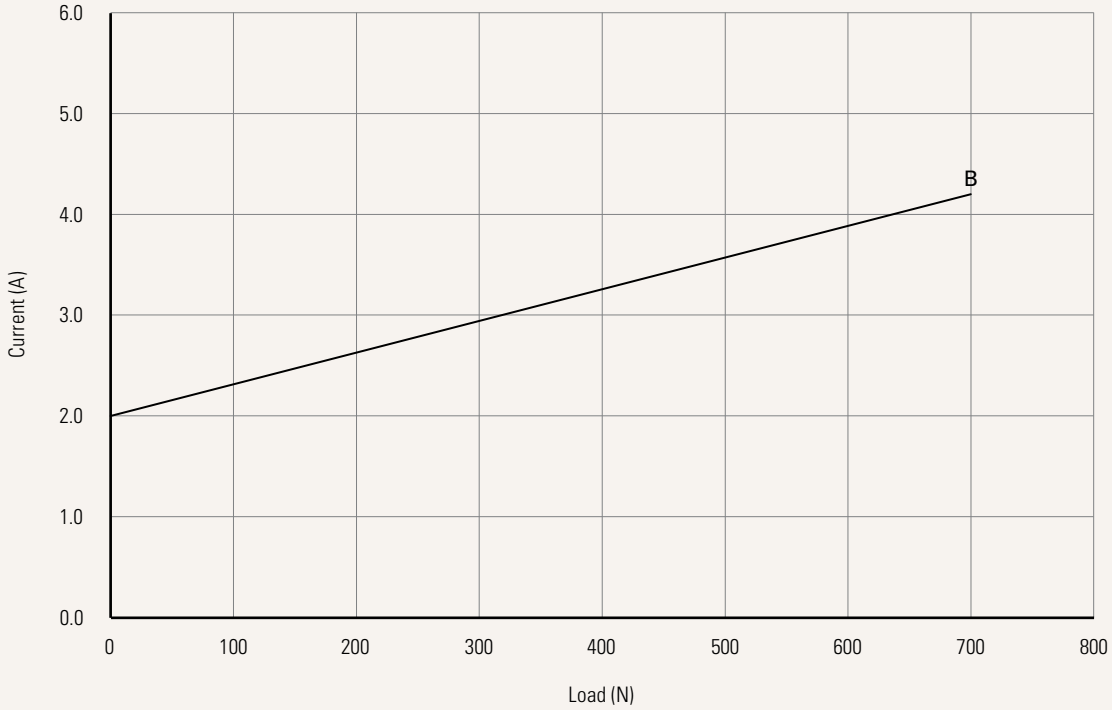
Performance Data (24V DC Motor)

Motor Speed (5200RPM, short motor)

Speed vs. Load



Current vs. Load



Note

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

TL32S Ordering Key

TL32S

Version: 20260120-E

	Appearance of Motor House	C = TiMOTION standard		
	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, 180° 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		

Note

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

TL32S Ordering Key Appendix

Stroke & Retracted Length (mm)

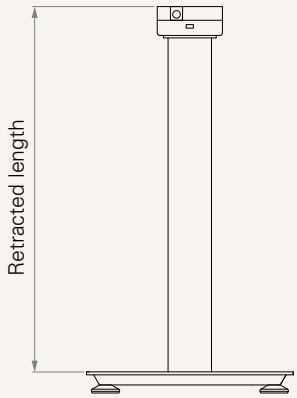
Foot Assembly	Stroke & Retracted Length
	Standard
Standard, for Foot (Excluding Foot)	500 / 645
Extended Outer Tube for Shoe (Excluding Shoe)	500 / 665

Note

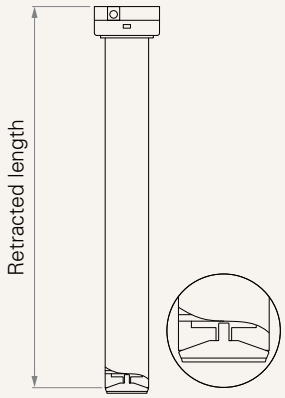
1 Only specific TEK could be with the shoes, please refer to TEK speccode.

Foot Assembly

Standard, for foot (excluding foot)

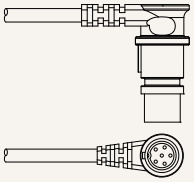


Extended outer tube for shoe (excluding shoe)

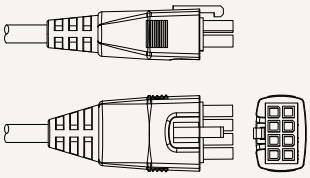


Connector

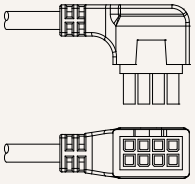
1 = DIN 6P, 90° plug



E = Molex 8P, 180° plug, standard



F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23



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