

TL30K

series



Product Segments

• Ergo Motion

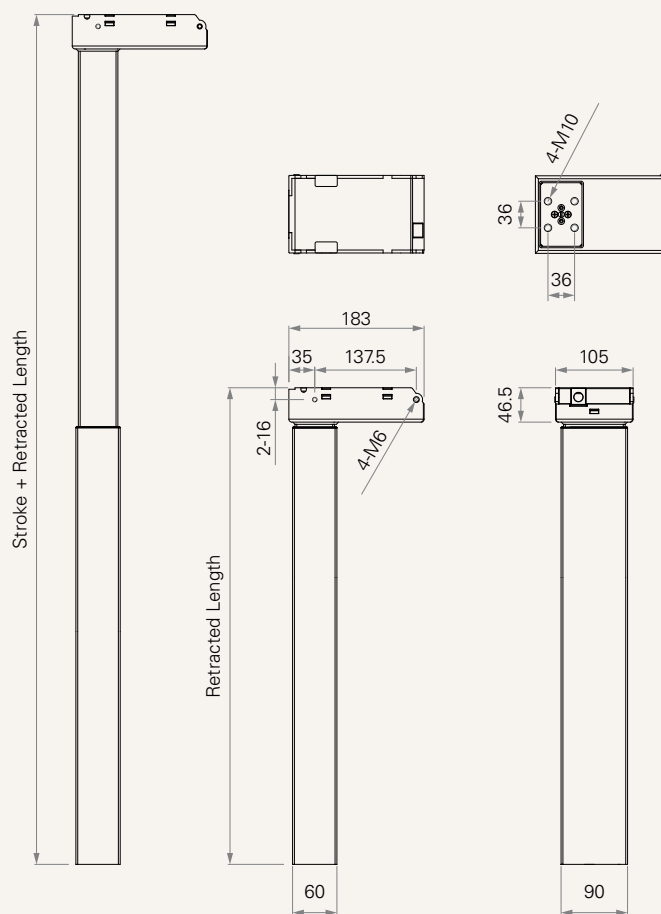
TiMOTION's TL30K series is a high-value, cost-effective lifting column designed explicitly for ergonomic desks, work tables, and other height-adjustable systems. Multiple TL series lifting columns can be easily connected to compatible TC series control boxes, supporting synchronous movement with a press of a button on the supported TH / TDH series controls. All Ergo Motion TC series control boxes have a standby power option of less than 0.1W to reduce power consumption. Our wide range of columns and controls offer modular solutions to satisfy customers' project requirements for a variety of work environments, providing smooth and quiet operation of any worksurface. The TL30K has a rectangular, two-stage telescopic profile, designed with a narrow-top, and wide-bottom.

General Features

Max. load	600N (push)
Max. speed at max. load	31mm/s
Max. speed at no load	38mm/s
Retracted length	Standard (compatible with foot): 645mm Extended (compatible with shoe): 665mm
Dimension of outer tube	90*60mm rectangular
Stages	2-stage
Stroke	500mm
Output signals	Hall sensors
Voltage	24V DC
Color	Black, white, grey, or special colors
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)						
D	600	600	2.2	6	38	31

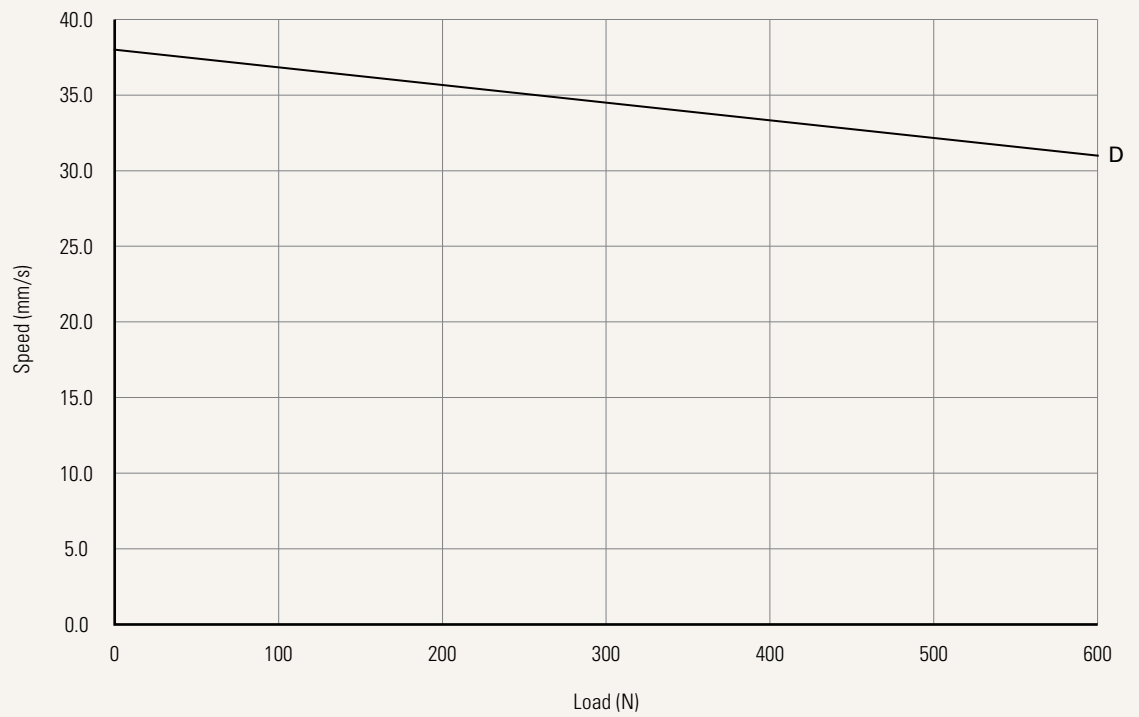
Note

- 1 Above self lock, typical current and typical speed performance are tested with Timotion control boxes.
- 2 Parameters above are from tested average, please refer to approval drawing for final value.

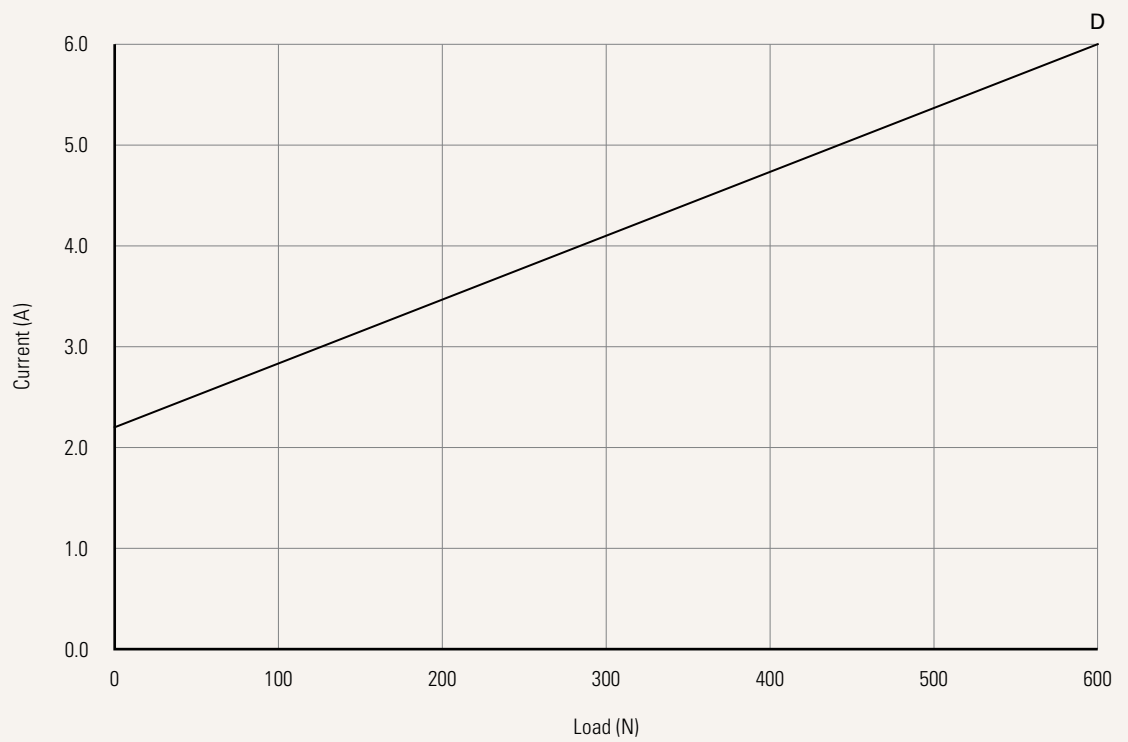
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



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	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
Wiper Color	1 = Black	2 = White	3 = Grey	4 = Matte black
Bracket See page 5	0 = Without	L = Left, Standard bracket	R = Right, Standard bracket	
Bottom Plate Type	1 = M10	2 = M6		
Bottom Plate Height	1 = Standard		2 = Extended outer tube for shoe	
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	

Note

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

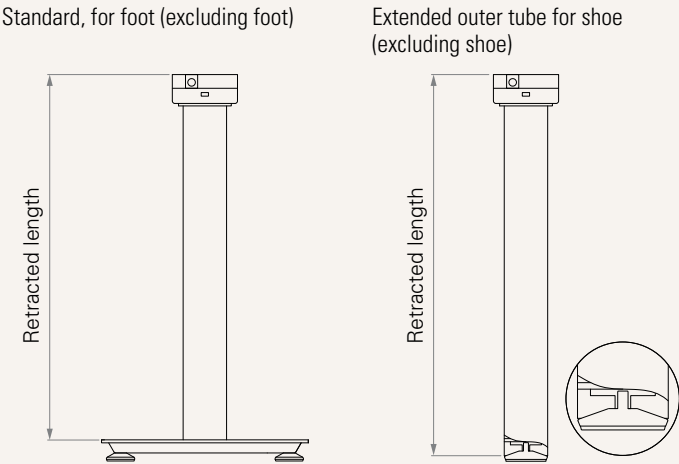
Stroke & Retracted Length (mm)

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

Note

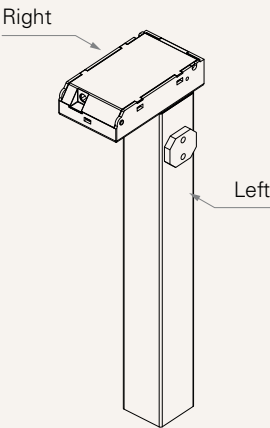
1 Only specific TEK could be with the shoes, please refer to TEK speccode

Foot Assembly



Bracket

Standard direction

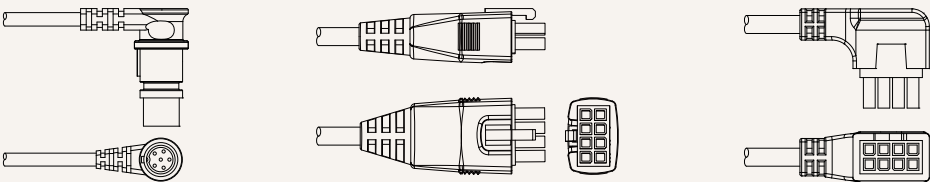


Connector

1 = DIN 6P, 90° plug

E = Molex 8P, 180° plug, standard

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



The diagram shows three types of connectors. Type 1 is a DIN 6P, 90° plug. Type E is a Molex 8P, 180° plug, standard. Type F is a 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.