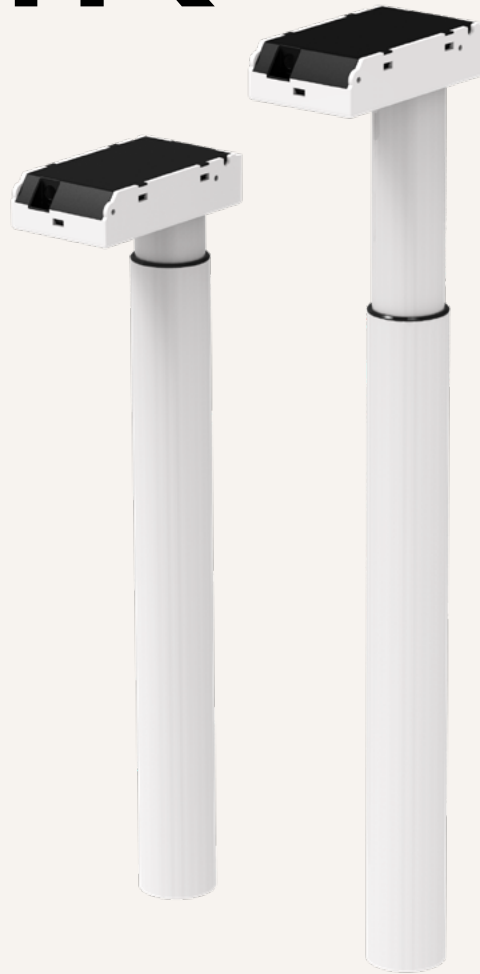


TL14K

series



Product Segments

• Ergo Motion

TiMOTION's TL14K series lifting columns are principally designed for use in ergonomic desks and worktables. 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. Our wide range of columns offers customers the solutions they require to satisfy their project requirements.

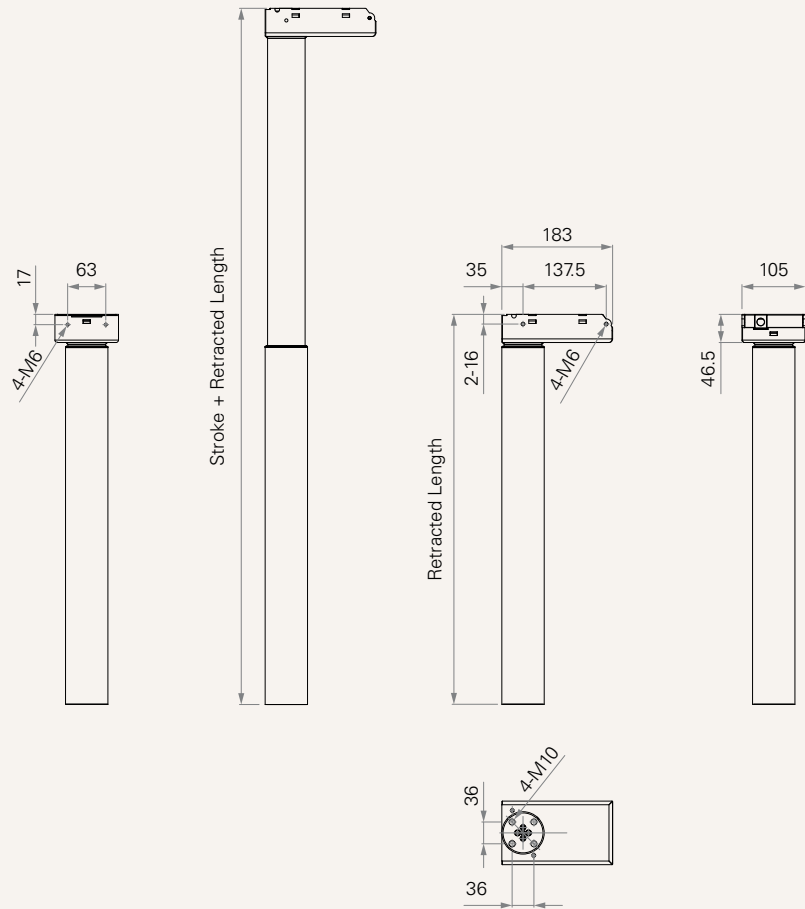
The TL14K has a two-stage telescopic outer tube that is designed for a narrow-top, wide-bottom round appearance.

General Features

Max. load	600N (push)
Max. speed at max. load	31mm/s
Max. speed at no load	38mm/s
Retracted length	645mm
Dimension of outer tube	2-stage, Ø70mm round
Stroke	500mm

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
D	600	900	2.2	6	38	31

Motor Speed (5200RPM)

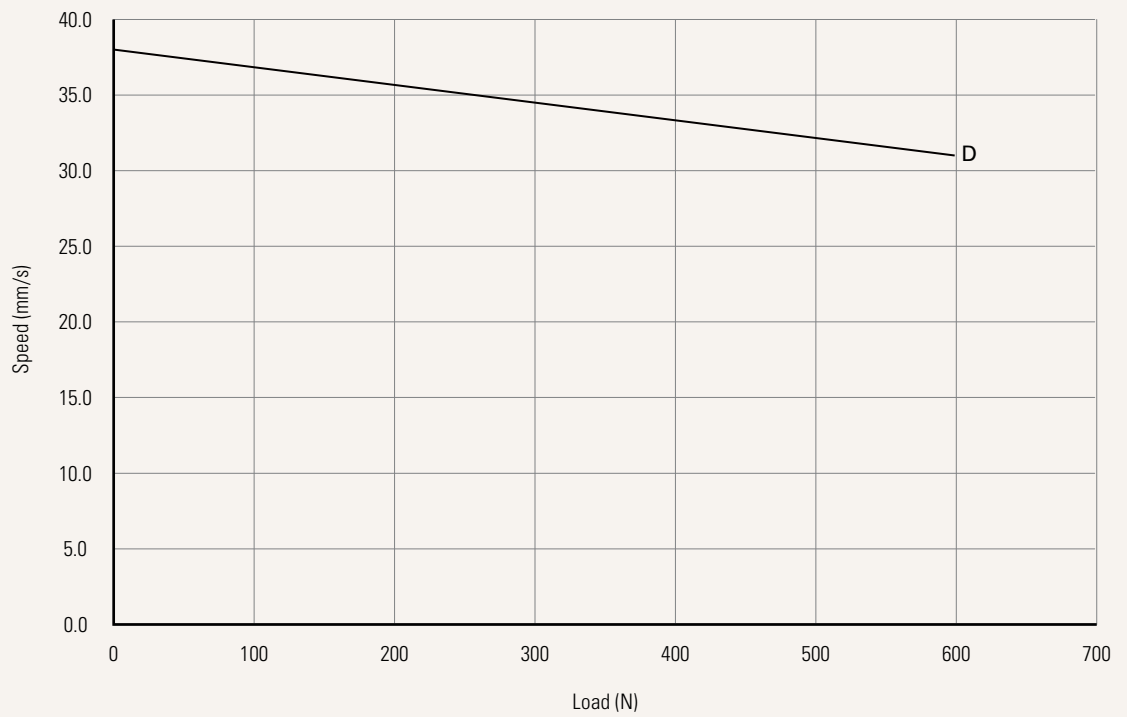
Note

- 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 Please refer to the approved drawing for the final authentic value.

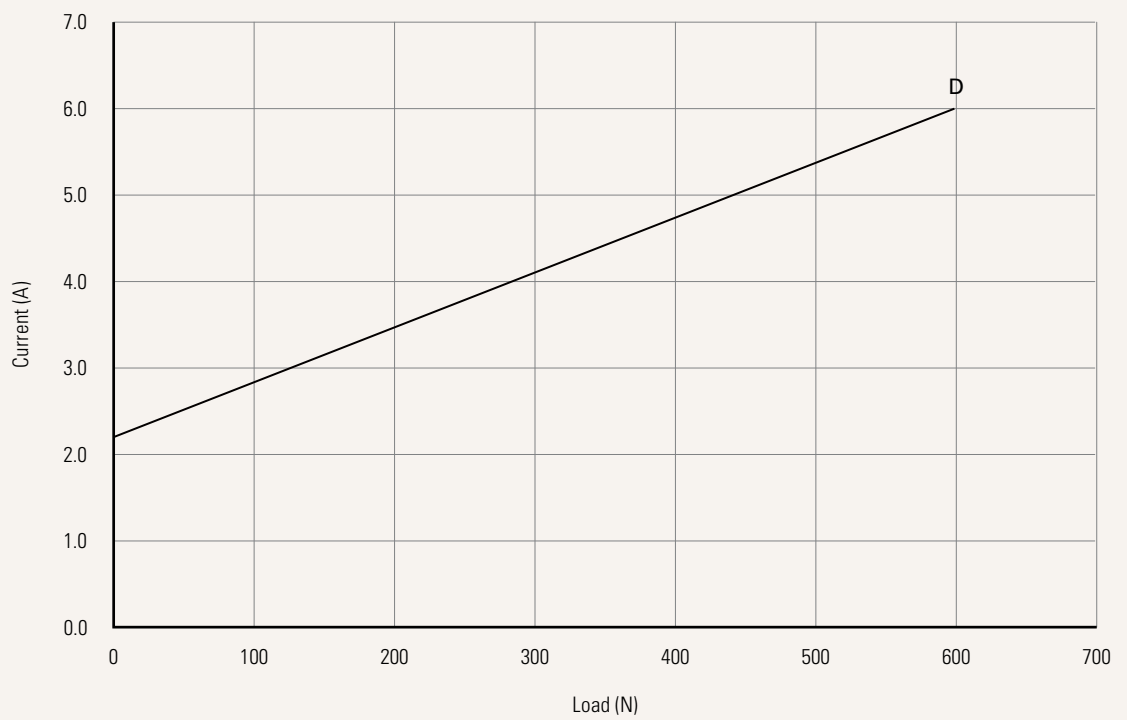
Performance Data (29V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



Appearance of Tubes	B = With wiper fixing holes at sides	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 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.

Stroke & Retracted Length (mm)

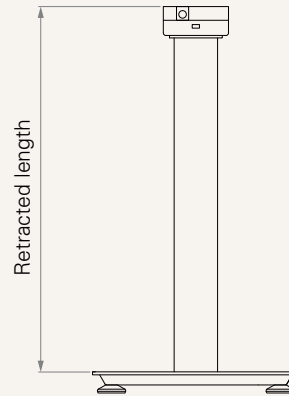
Foot Assembly	Stroke & Retracted Length
	Standard
Standard, with Foot	500 / 645
Extended Outer Tube for Shoe (Excluding Shoe)	500 / 665

Note

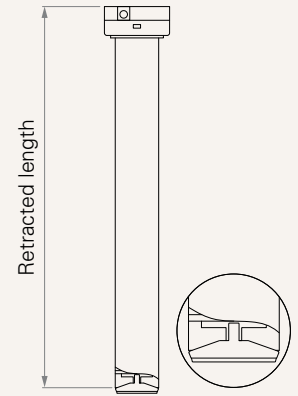
1 Only specific TEK could be with the shoes, please refer to TEK speccode

Foot Assembly

Standard, with foot

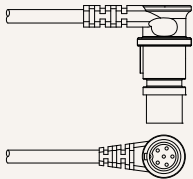


Extended outer tube for shoe (excluding shoe)

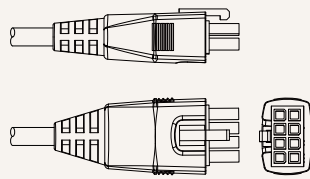


Connector

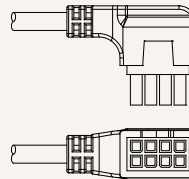
1 = DIN 6P, 90° plug



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.