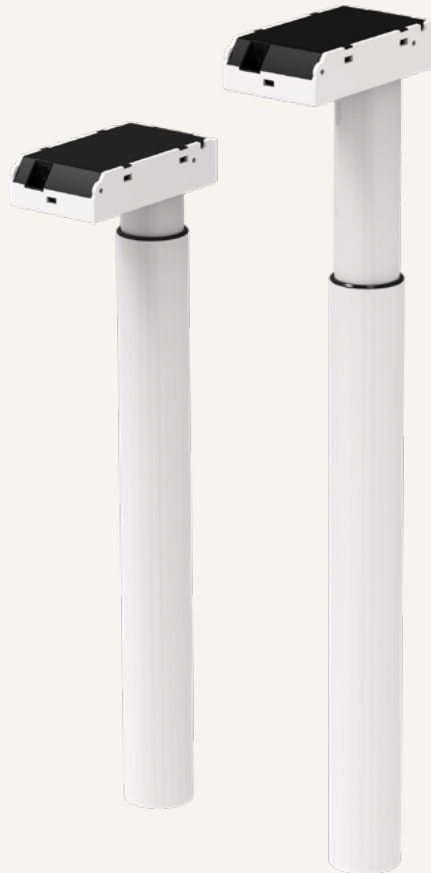


TL14K

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

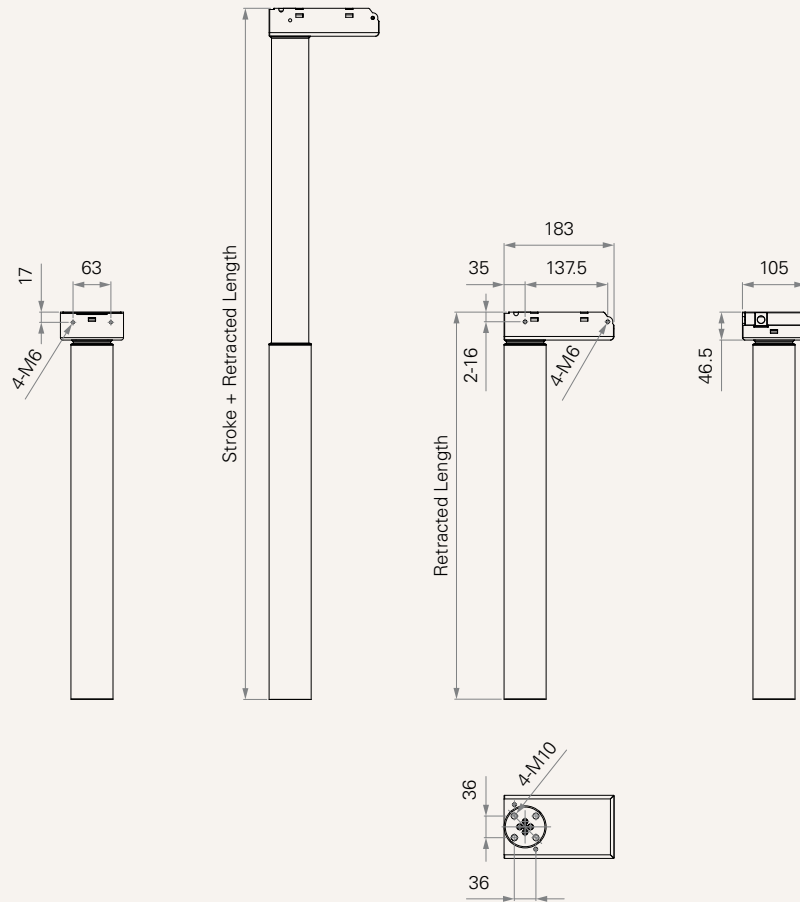
Max. load	600N (push)
Max. speed at max. load	31mm/s
Max. speed at no load	38mm/s
Retracted length	Standard (compatible with foot): 645mm
Dimension of outer tube	Ø70mm round
Stages	2-stage
Stroke	500mm
Output signals	Hall sensors
Voltage	24V DC
Color	Black, white, grey, or special grey

With motor house

The TL14K can only be used in pairs; single column usage is not recommended

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	600	2.2	6	38	31

Motor Speed (5200RPM)

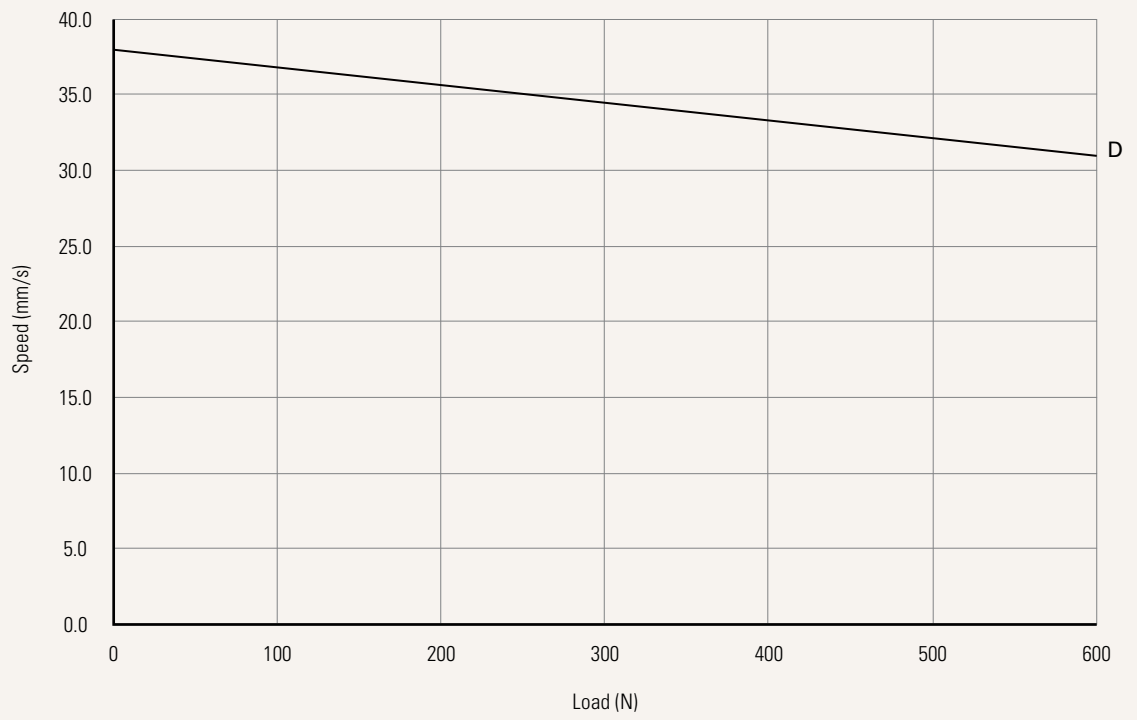
Note

- Above self lock, typical current and typical speed performance are tested with Timotion control boxes.
- Please refer to the approved drawing for the final authentic value.

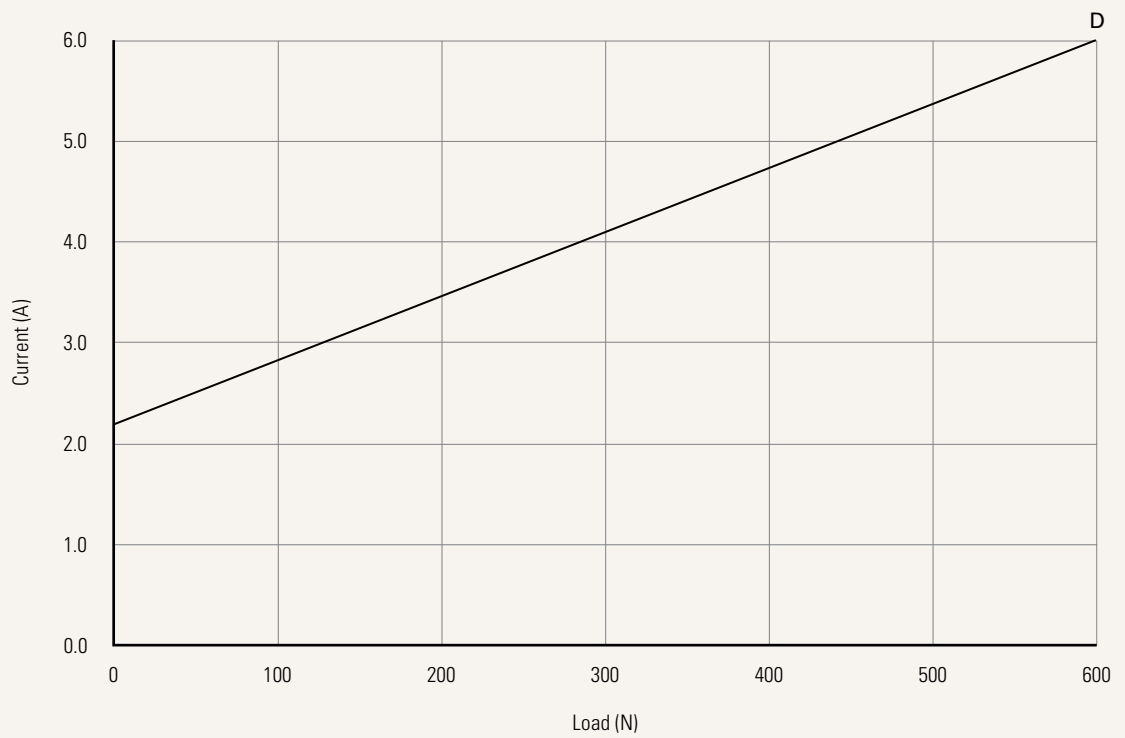
Performance Data (29V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



Appearance of 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	0 = Without			
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	1 = DIN 6P, 90° plug		F = Molex 8P, 90° plug, without anti-clip, for TC22 / TC23	
See page 5	E = Molex 8P, 180° plug, standard			
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)

Standard Outer Tube Compatible with Foot (Excluding Foot)

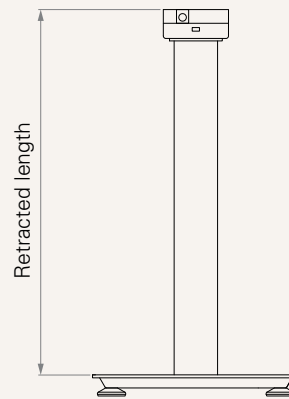
	Stroke (mm)	Retracted Length (mm)
Standard	500	645

Note

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

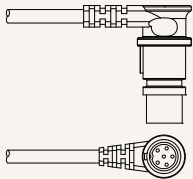
Foot Assembly

Standard outer tube compatible with foot (excluding foot)

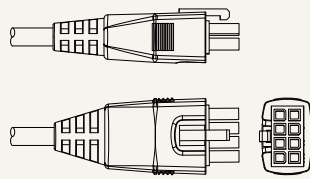


Connector

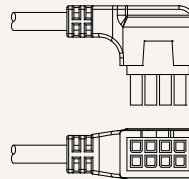
1 = DIN 6P, 90° plug



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.