

TL14KR

series



Product Segments

• Ergo Motion

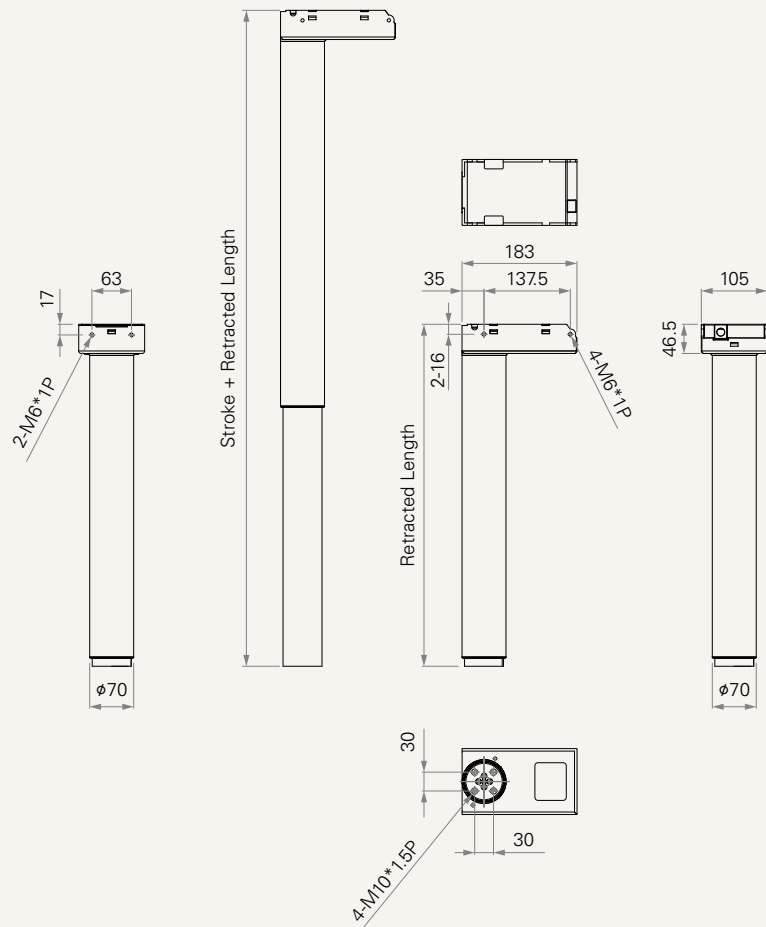
TiMOTION's TL14KR series is a high-value, cost-effective lifting column designed explicitly for ergonomic desks, work tables, and other height-adjustable systems. Multiple TL series lifting columns can be easily connected to compatible TC series control boxes, supporting synchronous movement with a button press 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 provide a variety of solutions to satisfy the most challenging project requirements for demanding work environments. The TL14KR has a round, two-stage telescopic profile, designed with a wide-top, and narrow 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	Ø70mm round
Stages	2-stage
Stroke	500mm
Output signals	Hall sensors
Voltage	24V DC
Current at rated load	500mA
Operational temperature range	+5°C~+45°C

Drawing

Standard Dimensions
(mm)



Load and Speed

CODE	Load (N)	Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
	Push		No Load 29VDC	With Load 29VDC	No Load 29VDC	With Load 29VDC
D	600	600	2.2	6	38	31

Motor Speed (5200RPM)

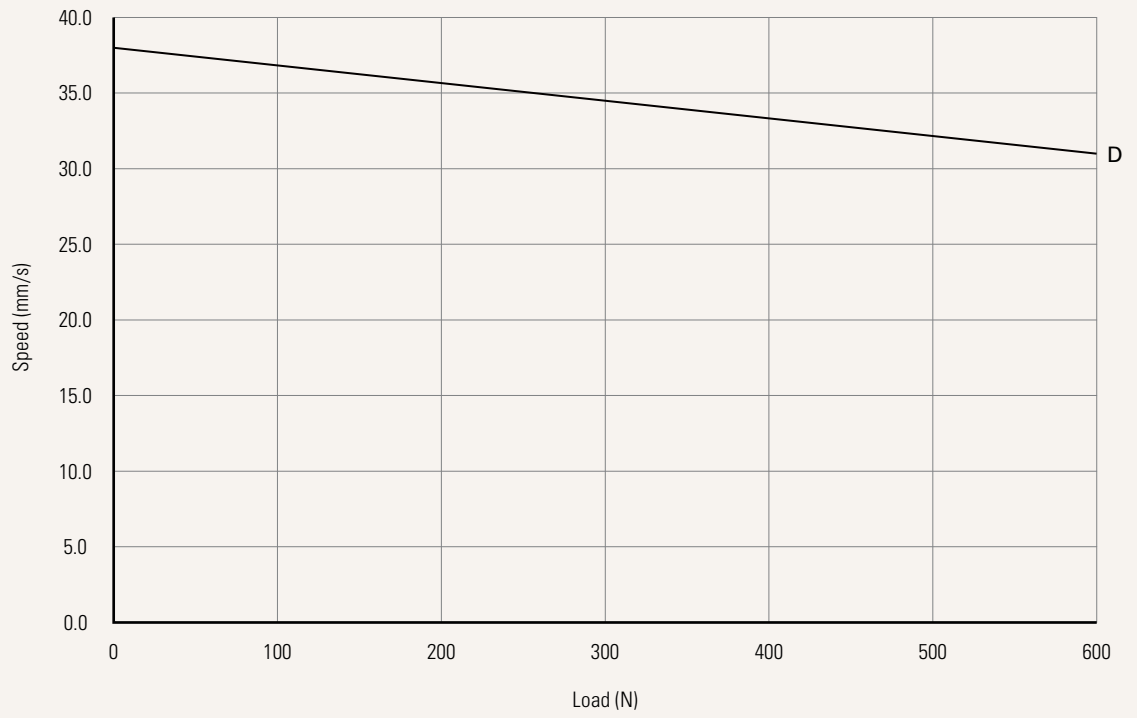
Note

- 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.

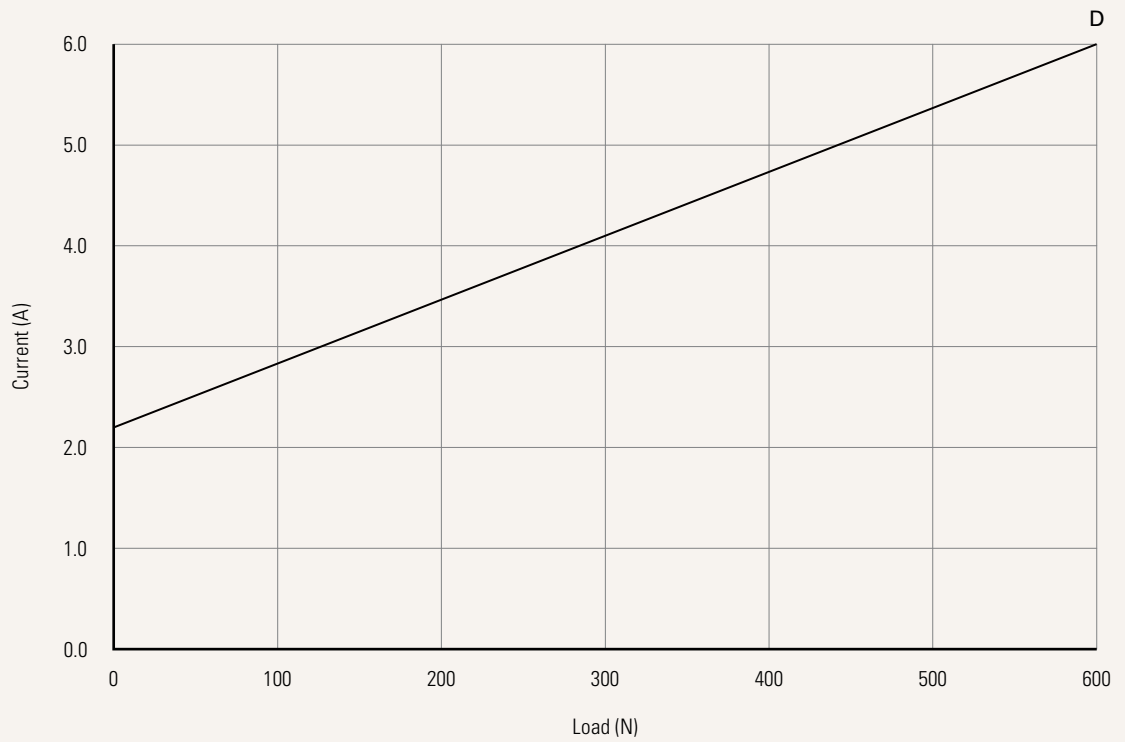
Performance Data (24V DC Motor)

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	0 = Without			
Bottom Plate Type	1 = M10			
Bottom Plate Height	1 = Standard			
Output Signals	2 = Hall sensor * 2			
Connector	1 = DIN 6P, 90°plug See page 5 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)

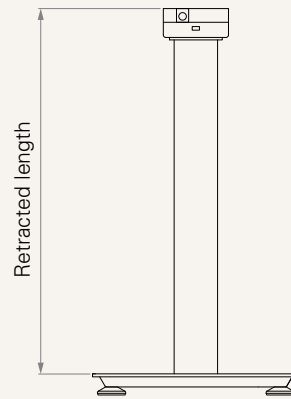
Foot Assembly	Stroke & Retracted Length
	Standard
Standard, for Foot (Excluding Foot)	500 / 645
Extended Outer Tube for Shoe (Excluding Shoe)	500 / 665

Note

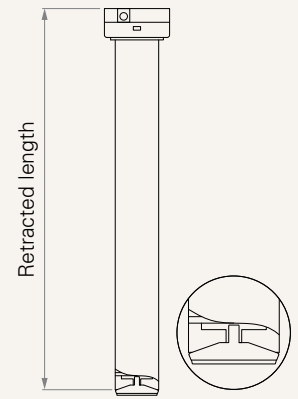
1 Only specific TEK could be with the shoes, please refer to TEK speccode

Foot Assembly

Standard, for foot (excluding foot)

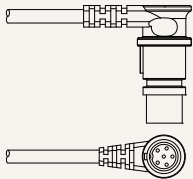


Extended outer tube for shoe (excluding shoe)

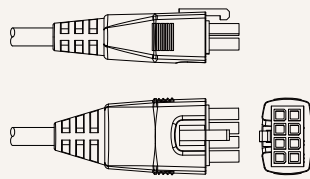


Connector

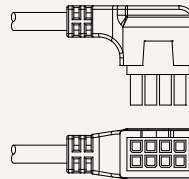
1 = DIN 6P, 90°plug



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.