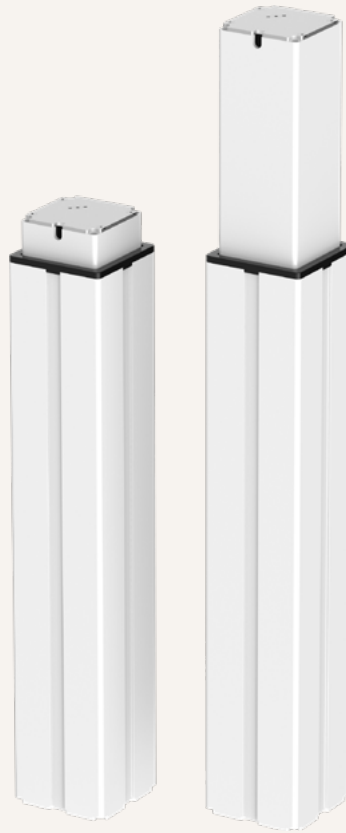


TL19

series



Product Segments

- **Ergo Motion**




TiMOTION's TL19 series lifting columns are specifically designed for use in ergonomic desks and adjustable workstations. 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 TL19 has a two stage telescopic outer tube that is designed for a narrow-top , wide-bottom square appearance.




Features

- Load and speed per column¹²

Code	Load (N)	Self Locking Force (N)	Current (A) with 32V DC		Speed (mm/s) with 24V DC	
			No Load	With Load	No Load	With Load
E	800	800	≤ 4.0	≤ 6.5	47.0	27.0

- Retracted length 645mm
- Stroke 500mm
- Max. dynamic bending moment⁴ 200Nm
- Outer profile 110*110mm square
- Stages 2-stage
- Output signals Hall sensors
- Voltage 24V DC
- Color³

 RAL9005
  RAL9006
  RAL9016

 RAL9022
  RAL7021
  RAL7024
- Product weight 9.4Kg /column
- Inline column

Note

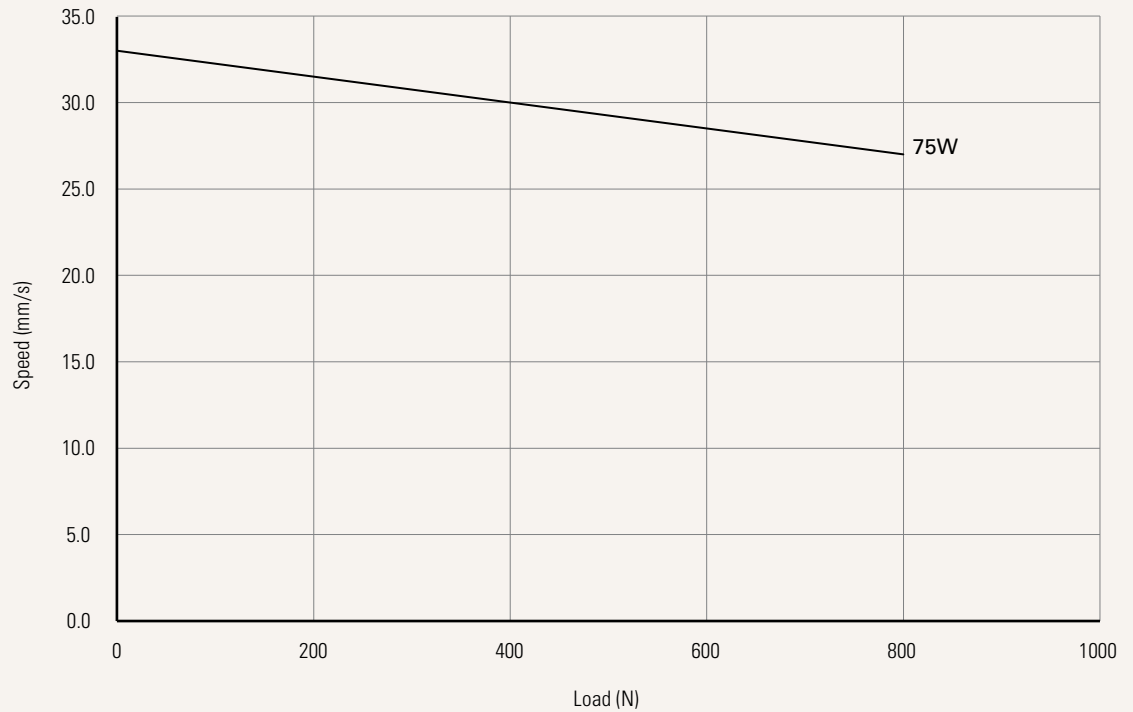
- ¹ The self locking force, current, and speed performance are tested with TiMOTION control boxes.
- ² The parameters are based on average test values; final specifications are subject to the approval drawings.
- ³ For more color options, please consult your sales representative.
- ⁴ Dynamic bending moment (Nm)

Code	Load (N)	Dynamic Bending Moment
	Push	
E	800	200

Performance Data with Control Box

The following is the performance data of two columns driven by an Ergo Motion control box TC11. The load is evenly distributed on the work surface.⁵

- TL19, two columns driven by TC11 or TC11P



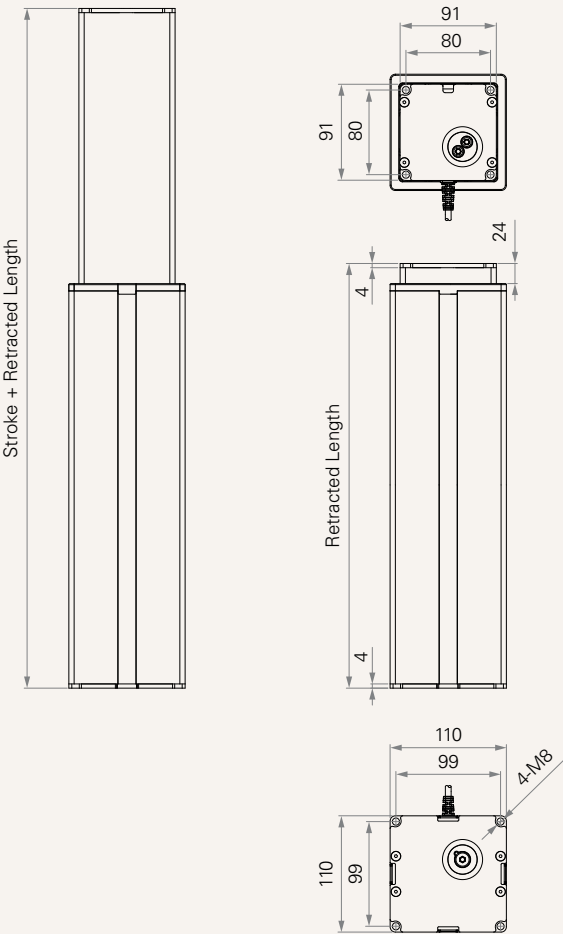
TC11 / TC11P Spec	Load (N)	Constant Speed (mm/s) with TC11
		Full load 800
75W	800	27

Note

⁵ The corresponding control box software is required.

Drawing

Standard Dimensions
(mm)



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

TL19

Version: 20241009-F

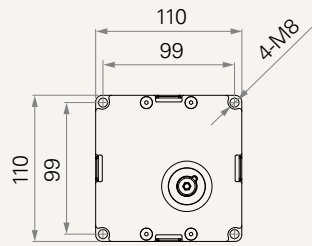
Voltage	2 = 24V DC	
Load and Speed	See page 2	
Stroke & Retracted Length (mm)	See page 4	
Color	<div><div>1 = Black, RAL 9005, Black wiper</div><div>2 = Grey, RAL 9006, Black wiper</div><div>3 = White, RAL 9016, Black wiper</div><div>4 = Special grey, RAL 9022, Black wiper</div><div>6 = Grey, RAL 9006, Grey wiper</div></div> <div><div>7 = White, RAL 9016, White wiper</div><div>8 = Special grey, RAL 9022, Grey wiper</div><div>B = Matte black, RAL 7021, Black wiper</div><div>C = Graphite grey, RAL7024, Black wiper</div><div>D = Matte black, RAL 7021, Matte Black wiper</div></div>	
Output Signals	2 = Hall sensor*2	
Plug	<div>E = Molex 8P, plug, standard</div> <div>See page 6</div>	
Cable Length (mm)	1 = Straight, 350	

Note

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

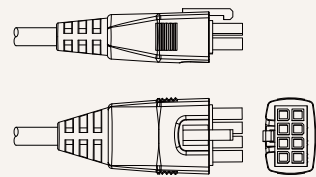
Bottom Demension (mm)

Standard



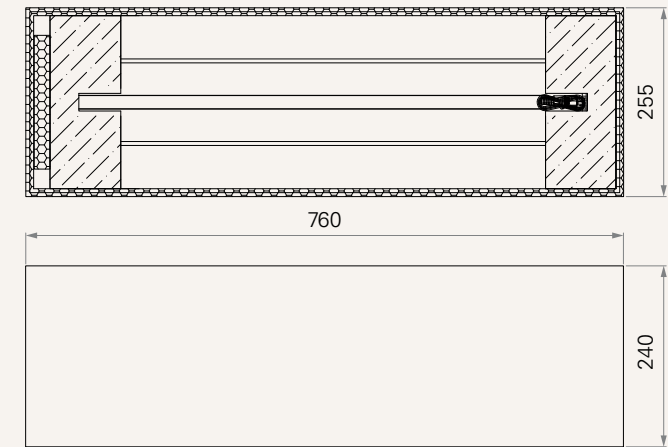
Plug

E = Molex 8P, plug, standard



Package (mm)

TL Part number-TL column



Column: 1pcs TL/box
Electronic control system: Without

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.