

# TL25

series



## Product Segments

- **Ergo Motion**

TL25 is a new concept of lifting mechanism. It is designed to be embedded in the panels or walls and lift up/down the table top. With this solution, there are no visible heavy steel columns or feet that normally come with the height adjustable desk. TL25 is an ideal solution for designers who would like to achieve both aesthetic and ergonomic feature for their office desks.

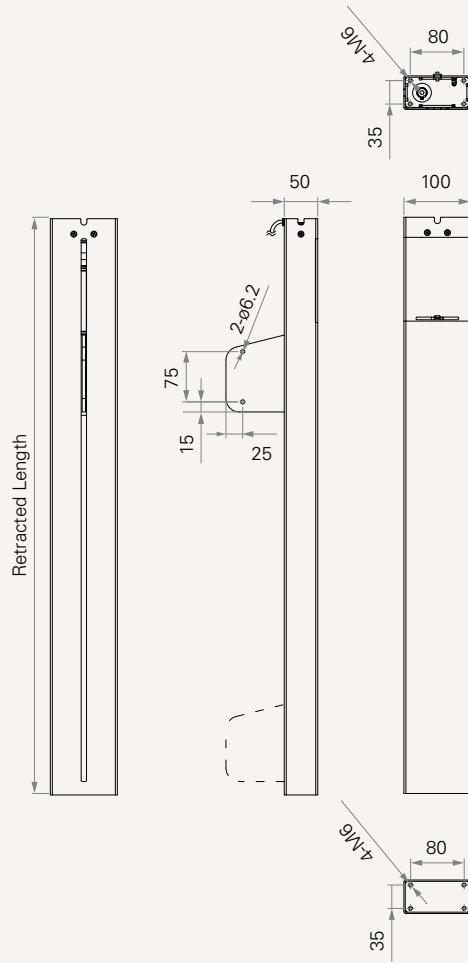
### General Features

Max. load	500N (push)
Max. speed at max. load	45mm/s
Max. speed at no load	64mm/s
Retracted length	860mm
Dimension of outer tube	50*100mm rectangular
Stroke	500mm
Color	Black, white, grey, or special colors

It be embedded in the panels or walls and lift up/down the table top

**Drawing**

Standard Dimensions  
(mm)



**Load and Speed**

CODE	Load (N)	Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
	Push		No Load 32VDC	With Load 24VDC	No Load 32VDC	With Load 24VDC
<b>Motor Speed (5600RPM)</b>						
<b>C</b>	500	500	2.0	5.0	64.0	45.0

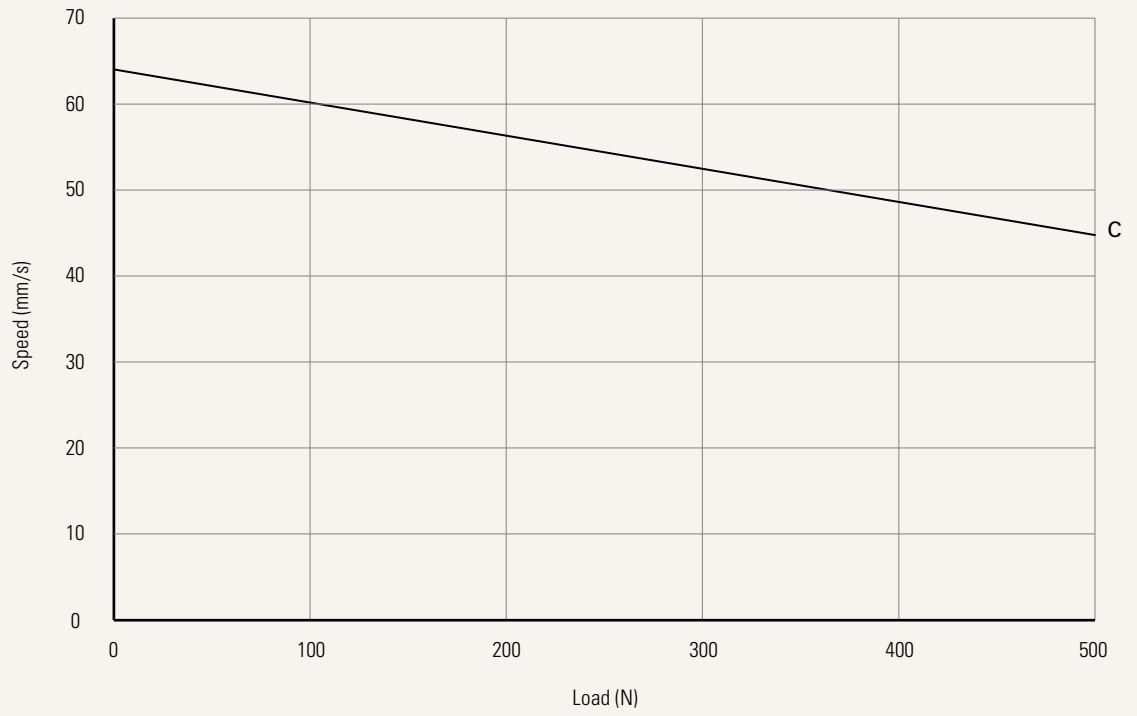
**Note**

- 1 Above self lock performance needs working with Timotion control system.
- 2 Parameters above are from tested average, please refer to approval drawing for final value.

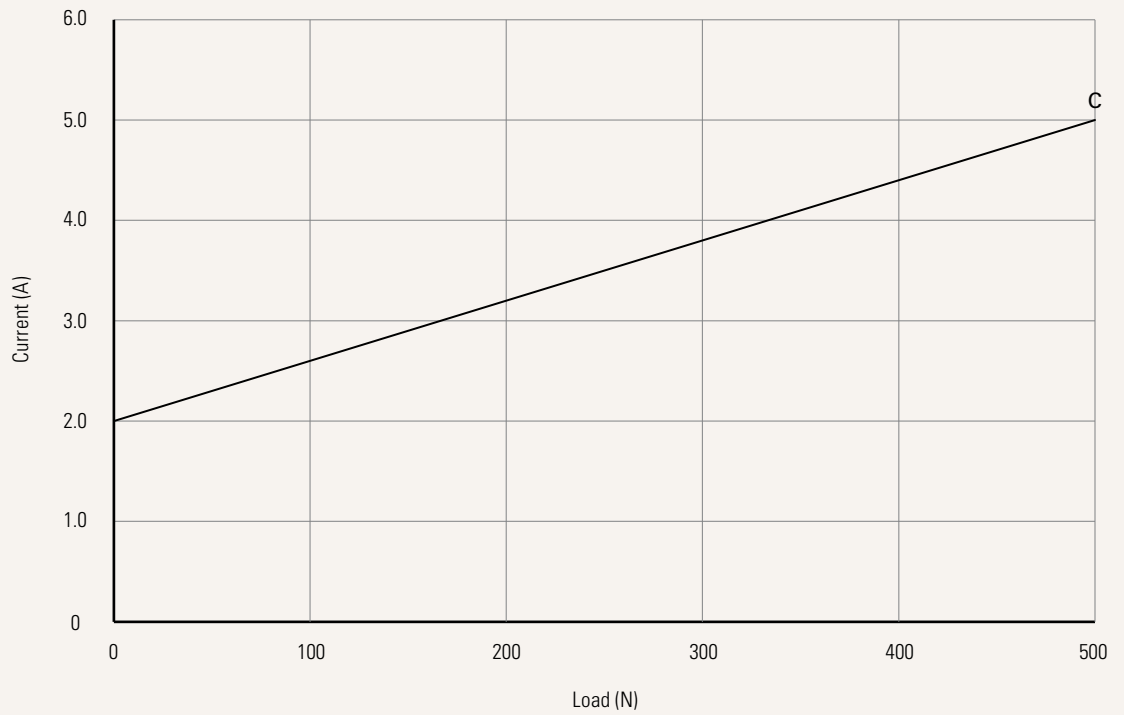
Performance Data (24V DC Motor)

Motor Speed (5600RPM)

Speed vs. Load



Current vs. Load



Note

1 The performance data in the curve charts shows theoretical value.

<b>Voltage</b>	2 = 24VDC	
<b>Load and Speed</b>	<a href="#">See page 2</a>	
<b>Stroke (mm)</b>	<a href="#">See page 5</a>	
<b>Retracted Length (mm)</b>	<a href="#">See page 5</a>	
<b>Fixation of Top (mm)</b>	1 = M6, 80*35 <a href="#">See page 5</a>	
<b>Fixation of Bottom (mm)</b>	1 = M6, 80*35 <a href="#">See page 5</a>	
<b>End Pipe (mm)</b>	0 = Without	
<b>Bracket Length (mm)</b>	1 = 87 <a href="#">See page 5</a>	
<b>Color</b>	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
<b>Output Signals</b>	2 = Hall sensor*2	
<b>Plug</b>	1 = DIN 6P, 90° plug <a href="#">See page 6</a>	E = Molex 8P, plug, standard
<b>Cable Length (mm)</b>	1 = Straight, 500	3 = Straight, 1000
		4 = Straight, 1500

### Note

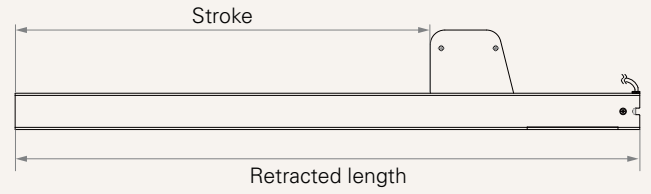
1 The TL is designed especially for push applications, not suitable for pull applications.

## Stroke & Retracted Length (mm)

Stroke & Retracted length (mm)	Stroke	Retracted Length
<b>Standard</b>	500	860

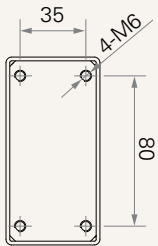
### Note

1 Need to discuss the feasibility with engineers if the stroke is more than 500mm.



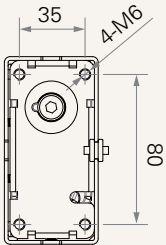
## Fixation of Top

1 = M6, 80\*35 mm



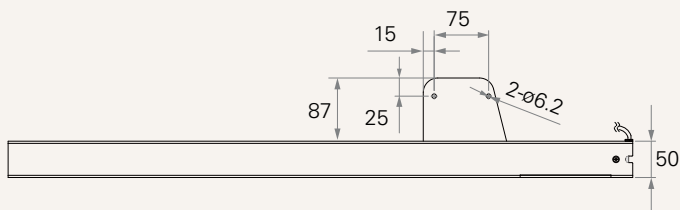
## Fixation of Bottom

1 = M6, 80\*35 mm



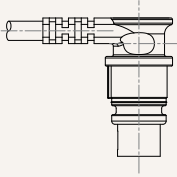
## Bracket Length (mm)

1 = 87

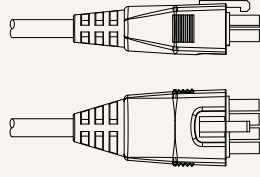


## Plug

1 = DIN 6P, 90° plug



E = MOLEX 8P, plug, standard



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