

# TL25

series



## Product Segments

### • Ergo Motion

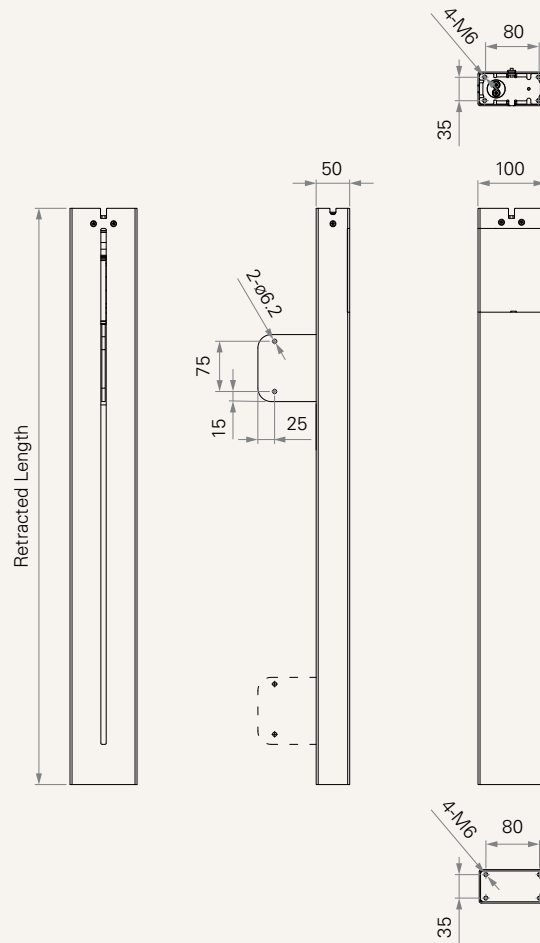
TL25 is a new concept of lifting mechanism. It is designed to be embedded in the panels or walls and lift up/down the table top. With this solution, there are no visible heavy steel columns or feet that normally come with the height adjustable desk. TL25 is an ideal solution for designers who would like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

#### General Features

Max. load	1,000N (push)
Max. speed at max. load	40mm/s
Max. speed at no load	75mm/s
Retracted length	860mm
Dimension of outer tube	50*100mm rectangular
Stroke	500mm
Output signals	Hall sensors
Voltage	24V DC
Color	Black, white, grey, or special colors
Embedded in the panels or walls	

**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
<b>Motor Speed (5200RPM)</b>						
<b>C</b>	500	500	2.8	6.0	75.0	55.0
<b>E</b>	1000	1000	2.0	7.0	52.0	40.0

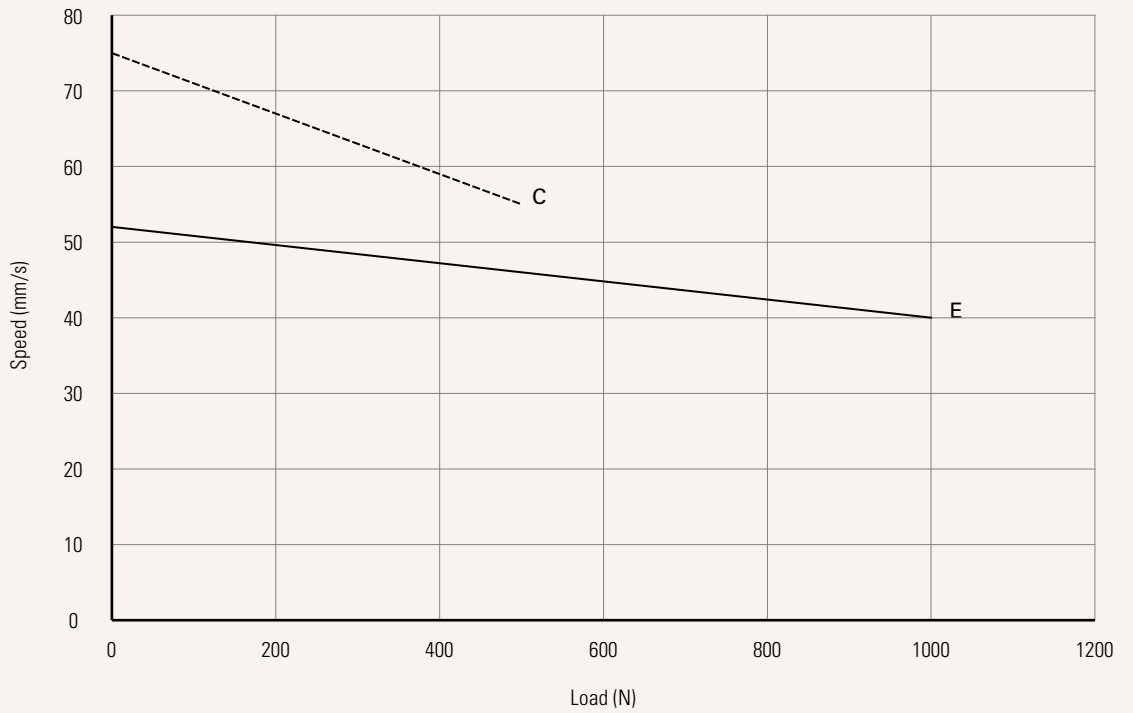
**Note**

- 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.

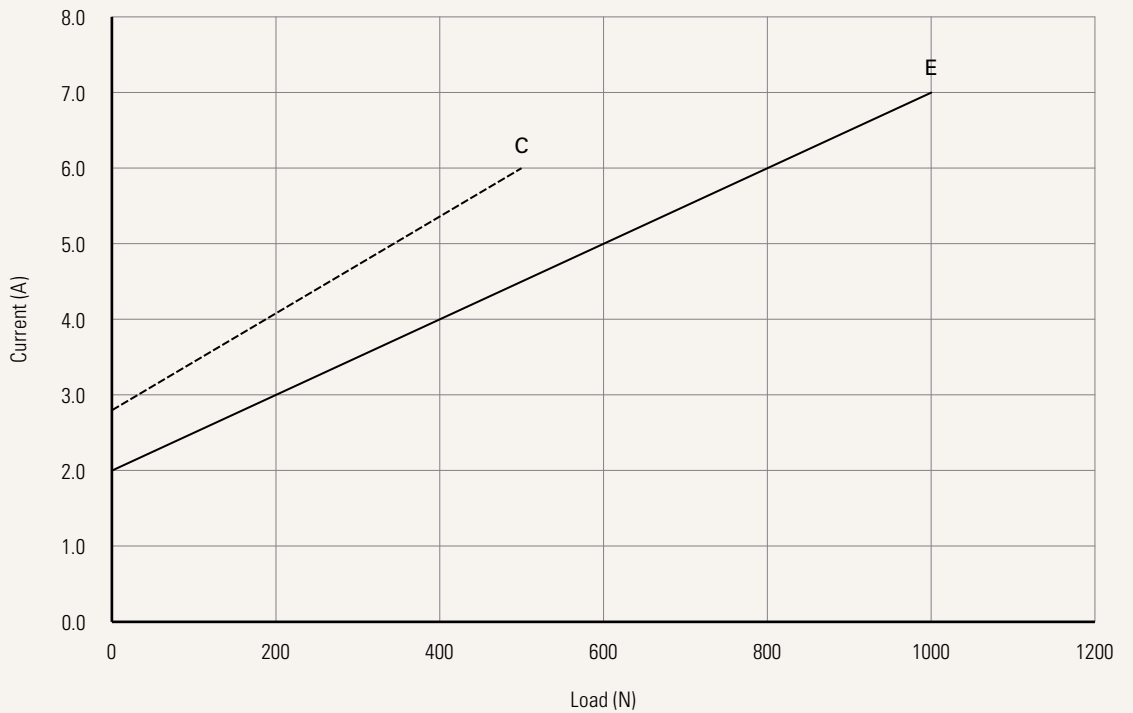
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

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 2 = White, RAL 9016	3 = Grey, RAL 9006 4 = Special grey, RAL 9022	B = Matte black, RAL 7021 C = Graphite grey, RAL 7024
<b>Output Signals</b>	2 = Hall sensor*2		
<b>Motor Connector</b>	1 = DIN 6P, 90° plug <a href="#">See page 6</a> E = Molex 8P, plug, standard	F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23	
<b>Motor Cable Length (mm)</b>	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500
<b>Integrated Hand Control Cable</b>	0 = Without	1 = With	
<b>Hand Control Cable Socket (Connect with Hand Control)</b>	0 = Without	1 = RJ 10P flat, for Ergo hand control	
<b>Hand Control Cable Plug (Connect with TC)</b>	0 = Without 1 = RJ 10P flat, 180°, for Ergo TC	2 = RJ 10P flat, 90°, for TC22	
<b>Hand Control Cable Length (Connect with TC) (mm)</b>	0 = Without	1 = Straight, 1000	2 = Straight, 1500

### Note

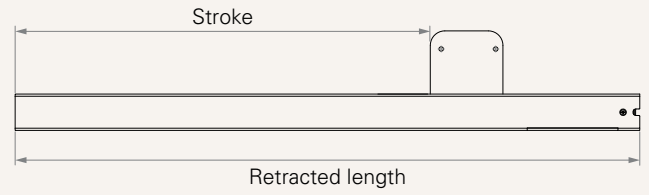
**1** The TL is designed especially for push applications, not suitable for pull applications.

## Stroke & Retracted Length (mm)

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

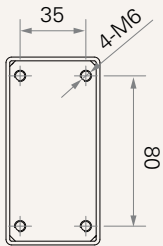
### Note

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



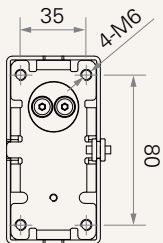
## Fixation of Top (mm)

1 = M6, 80\*35



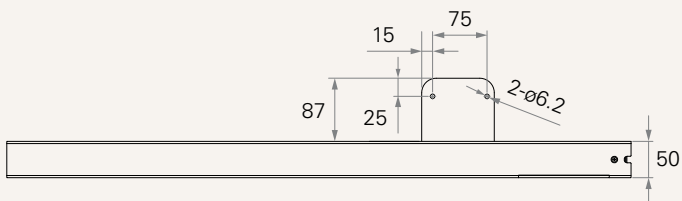
## Fixation of Bottom (mm)

1 = M6, 80\*35



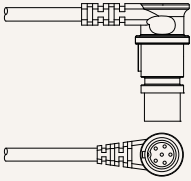
## Bracket Length (mm)

1 = 87

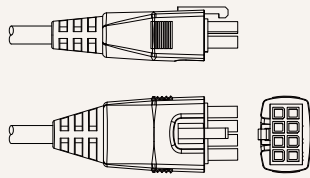


## Motor Connector

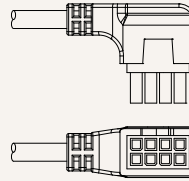
1 = DIN 6P, 90° plug



E = Molex 8P, plug, standard



F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23



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