

TL25

series



Product Segments

- **Comfort Motion**
- **Ergo Motion**

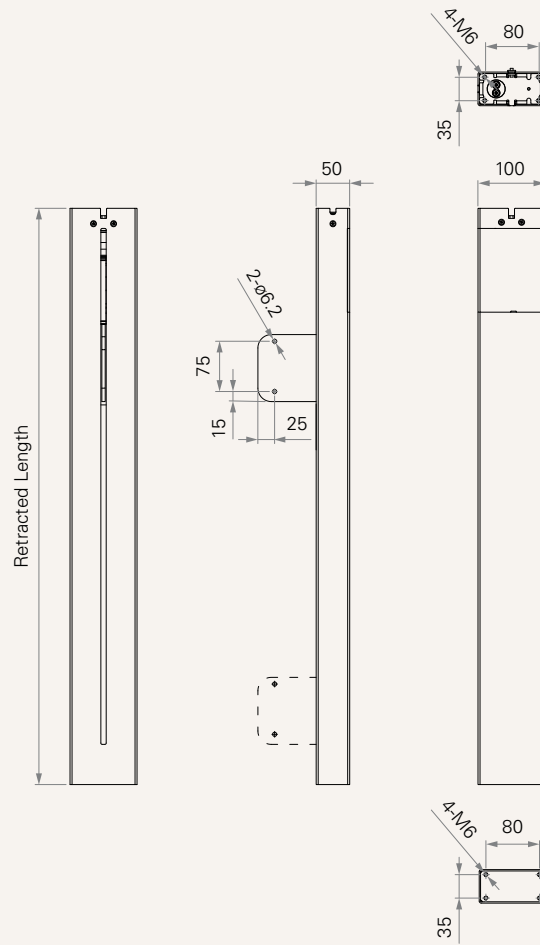
TL25 is a new concept of lifting mechanism. It is designed to be embedded in the panels or walls and lift up/down the table top. With this solution, there are no visible heavy steel columns or feet that normally come with the height adjustable desk. TL25 is an ideal solution for designers who would like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

General Features

Max. load	1,500N (push)
Max. dynamic bending moment	130.5Nm
Max. speed at max. load	15mm/s
Max. speed at no load	108mm/s
Retracted length	Stroke+360mm
Dimension of outer tube	50*100mm rectangular
Stroke	100~500mm
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) Push	Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
			No Load 29VDC	With Load 29VDC	No Load 29VDC	With Load 29VDC
Motor Speed (5200RPM)						
C	500	500	2.8	6.0	75.0	55.0
D	200	200	3.0	5.0	108.0	96.0
E	1000	1000	2.0	7.0	52.0	40.0
F	1500	1500	2.0	5.0	20.0	15.0

Note

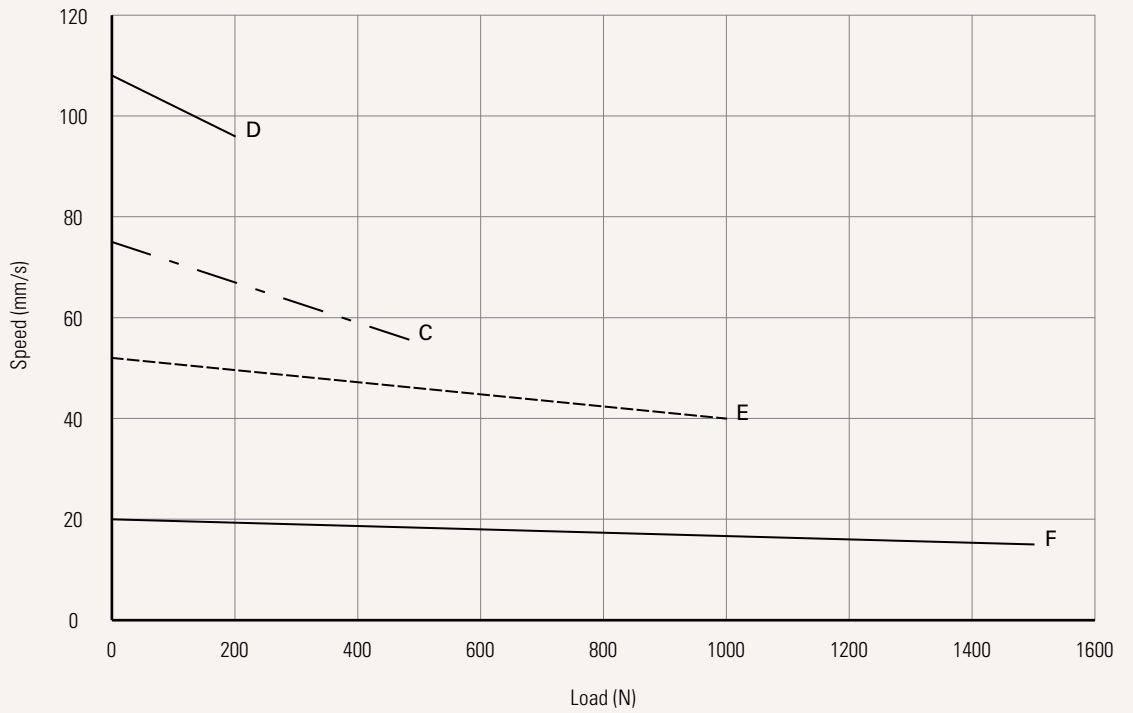
- Above self lock performance needs working with Timotion control system.
- Parameters above are from tested average, please refer to approval drawing for final value.
- Dynamic bending moment (Nm)

CODE	Load (N) Push	Dynamic bending moment (Nm)
C	500	43.5
D	200	17.4
E	1000	87
F	1500	130.5

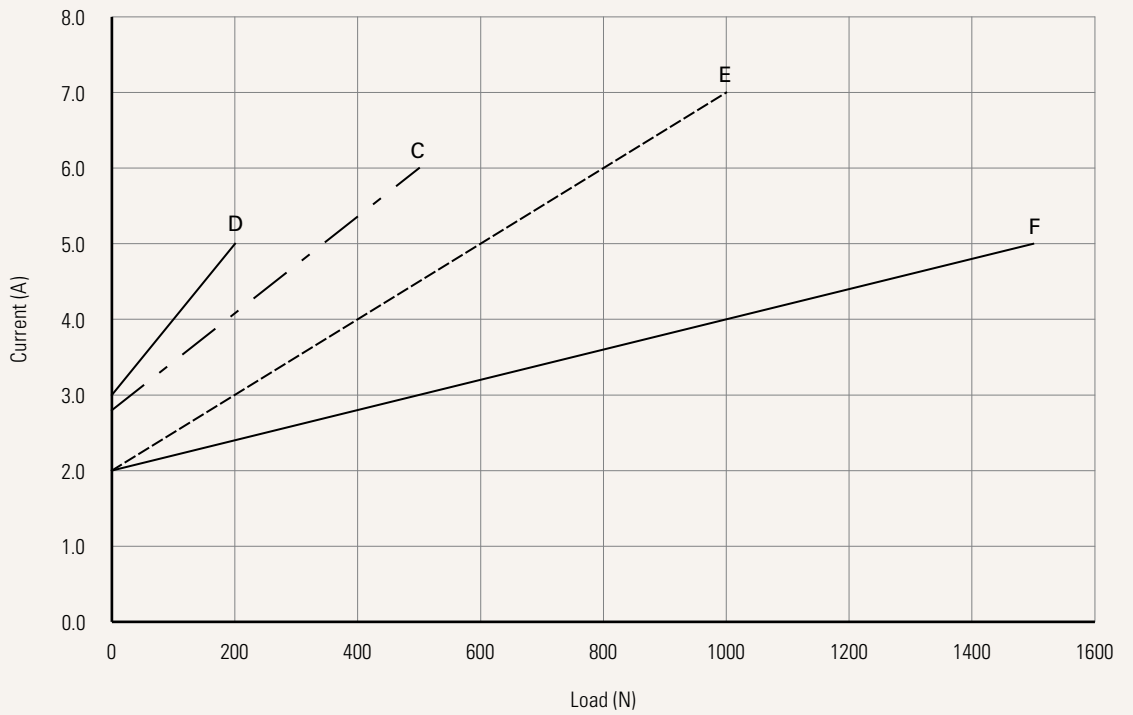
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



Note

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

Voltage	2 = 24VDC		
Load and Speed	See page 2		
Stroke (mm)	See page 5		
Retracted Length (mm)	See page 5		
Fixation of Top (mm)	1 = M6, 80*35	2 = Wall mounted	
	See page 5		
Fixation of Bottom (mm)	1 = M6, 80*35	2 = Wall mounted	
	See page 5		
End Pipe (mm)	0 = Without		
Bracket Length (mm)	1 = 87		
	See page 6		
Color	1 = Black, RAL 9005	3 = Grey, RAL 9006	B = Matte black, RAL 7021
	2 = White, RAL 9016	4 = Special grey, RAL 9022	C = Graphite grey, RAL 7024
Output Signals	2 = Hall sensor*2		
Motor Connector	1 = DIN 6P, 90° plug	F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23	
	See page 6		
	E = Molex 8P, plug, standard		
Motor Cable Length (mm)	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500
Integrated Hand Control Cable	0 = Without	1 = With	
Hand Control Cable Socket (Connect with Hand Control)	0 = Without	1 = RJ 10P flat, for Ergo hand control	
Hand Control Cable Plug (Connect with TC)	0 = Without	2 = RJ 10P flat, 90°, for TC22	
	1 = RJ 10P flat, 180°, for Ergo TC		
Hand Control Cable Length (Connect with TC) (mm)	0 = Without	1 = Straight, 1000	2 = Straight, 1500

Note

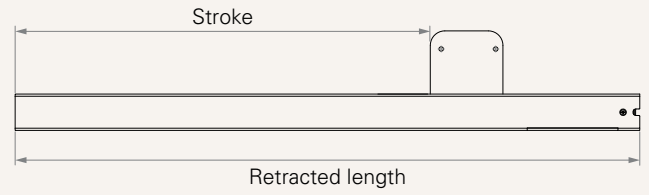
1 The TL is designed especially for push applications, not suitable for pull applications.

Stroke & Retracted Length (mm)

Stroke & Retracted length (mm)	Stroke	Retracted Length
Standard	100-500	S+360

Note

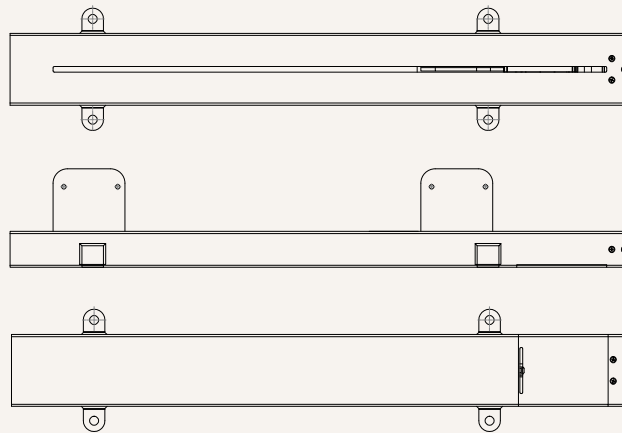
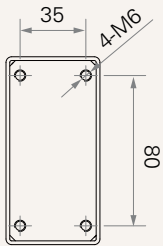
1 Need to discuss the feasibility with engineers if the stroke is more than 500mm.



Fixation of Top (mm)

1 = M6, 80*35

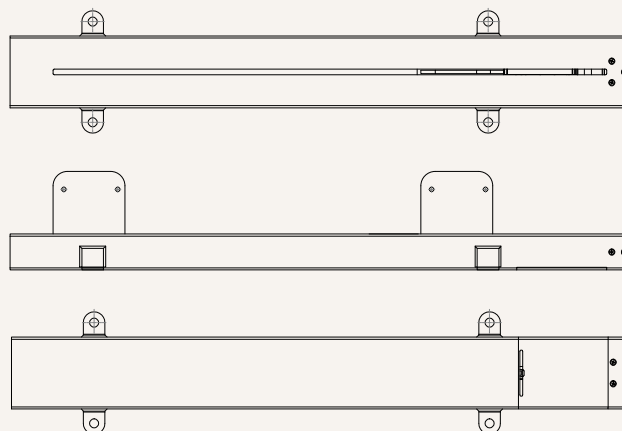
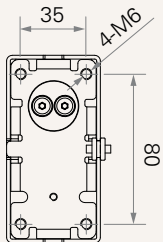
2 = Wall mounted



Fixation of Bottom (mm)

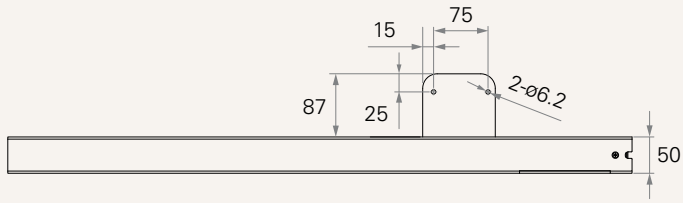
1 = M6, 80*35

2 = Wall mounted



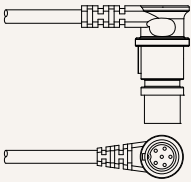
Bracket Length (mm)

1 = 87

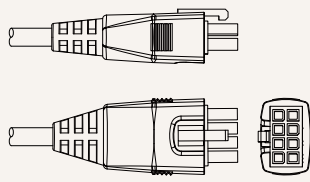


Motor Connector

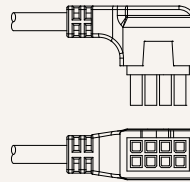
1 = DIN 6P, 90° plug



E = Molex 8P, plug, standard



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



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