

TL25

series



Product Segments

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

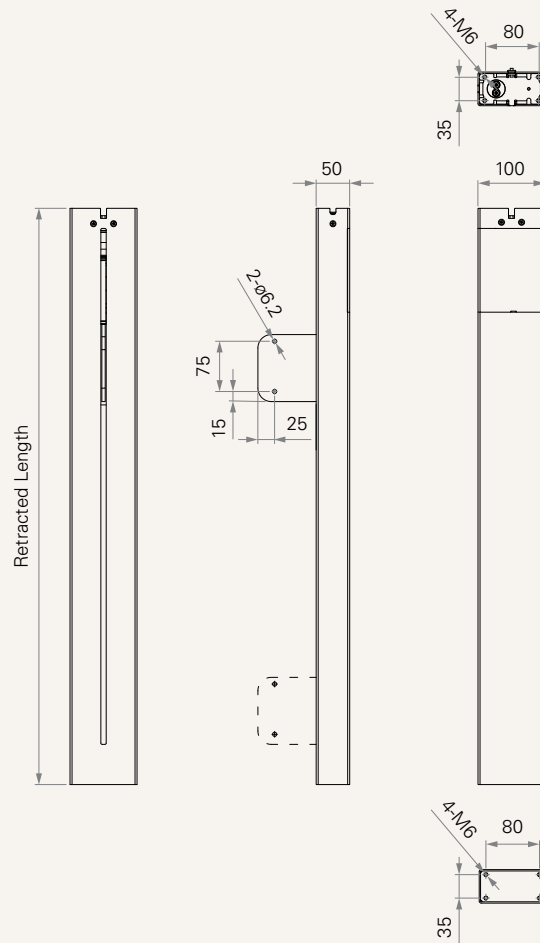
TL25 is a new concept of lifting mechanism. It is designed to be embedded in the panels or walls and lift up/down the table top. With this solution, there are no visible heavy steel columns or feet that normally come with the height adjustable desk. TL25 is an ideal solution for designers who would like 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
Outer profile	50*100mm rectangular
Stroke	100~500mm
Output signals	Hall sensor * 2
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
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

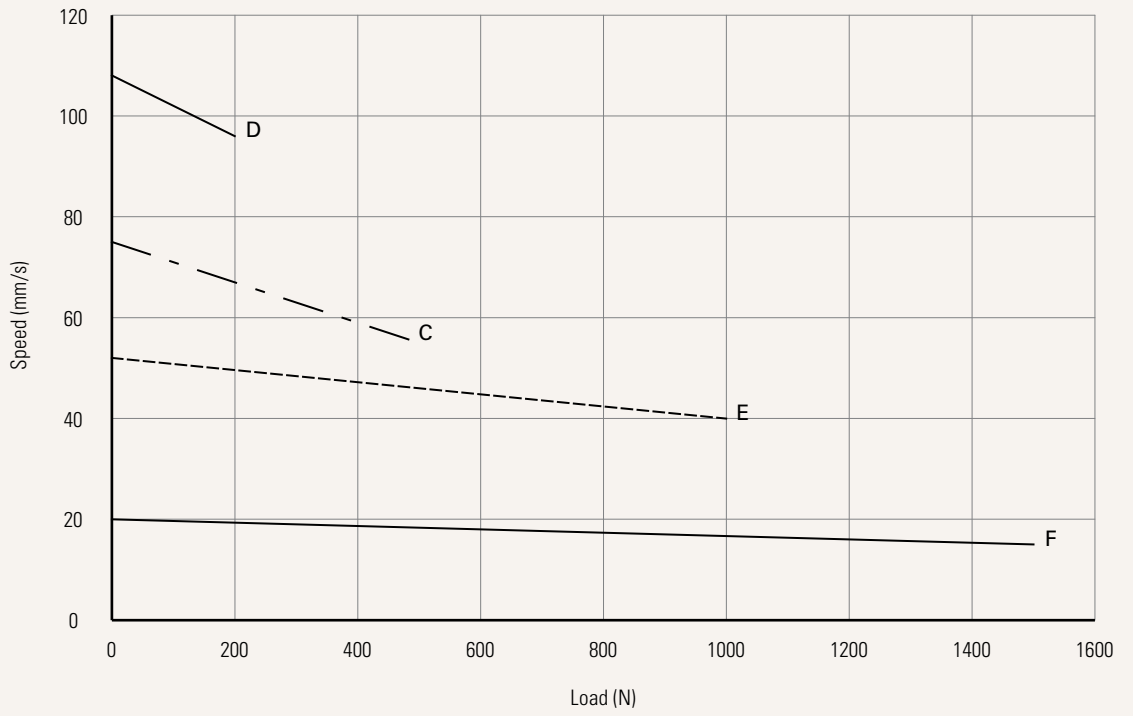
- Above self lock performance needs working with Timotion control system.
- Parameters above are from tested average, please refer to approval drawing for final value.
- Dynamic bending moment (Nm)

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

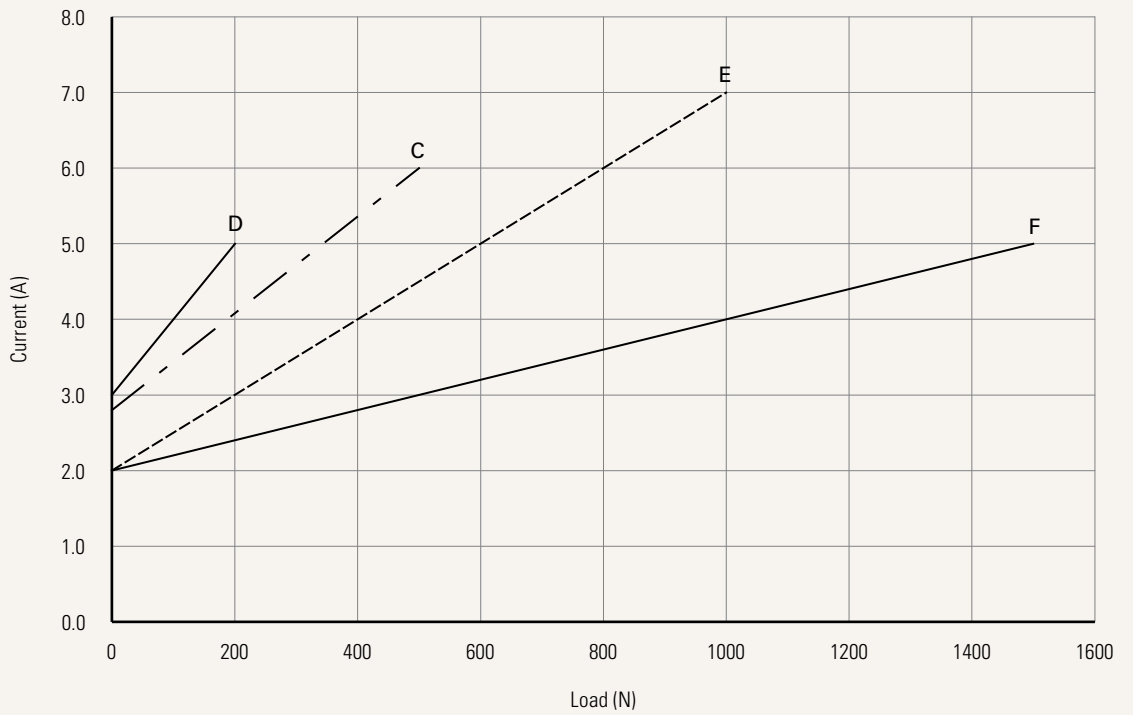
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



Note

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

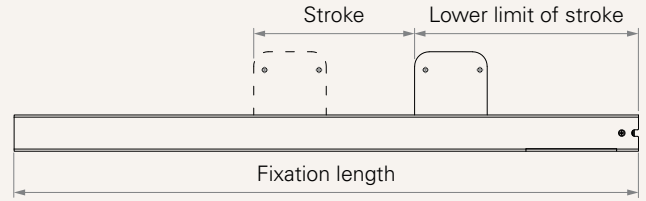
Voltage	2 = 24VDC			
Load and Speed	See page 2			
Stroke (mm)	See page 5			
Retracted Length (mm)	See page 5			
Fixation Bracket Alignment See page 5	0 = Without fixation bracket		2 = Wall mounted, back	
Fixation Bracket Configuration (mm) See page 5	0 = Without fixation bracket		2 = Configuration 1, A:100, B:180	
End Pipe (mm)	0 = Without 2 = StyleB two-pieces (Left), bracket Ø6 through hole		3 = StyleB two-pieces (Right), bracket Ø6 through hole	
Bracket Type (mm) See page 6	1 = Bracket dimension: 87*100, 2 fixation hole, A: 25, B: 15, C: 75, D: Ø6 through hole 2 = Bracket dimension: 87*100, 2 fixation hole, A: 25, B: 15, C: 75, D: Ø8 through hole 3 = Bracket dimension: 87*100, 2 fixation hole, A: 25, B: 15, C: 75, D: M6 tapped hole			
Color	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
Output Signals	2 = Hall sensor * 2			
Motor Connector	1 = DIN 6P, 90° plug E = Molex 8P, plug, standard		F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23 G = Molex 6P, 180° plug for TCH series	
Motor Cable Length (mm)	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500	8 = Straight, 3500
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 1 = RJ 10P flat, 180°, for Ergo TC		2 = RJ 10P flat, 90°, for TC22	
Hand Control Cable Length (Connect with TC) (mm)	0 = Without	1 = Straight, 1000	2 = Straight, 1500	8 = Straight, 3500

Note

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

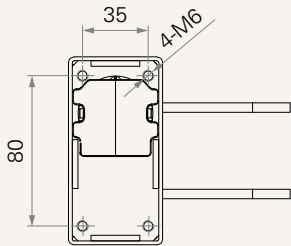
Stroke & Retracted Length (mm)

Standard	Stroke	Retracted Length	Lower Limit of Stroke
	100-500	S+360	290

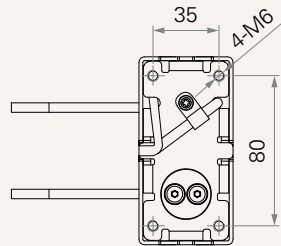


Fixation of Top and Bottom (mm)

Fixation of top

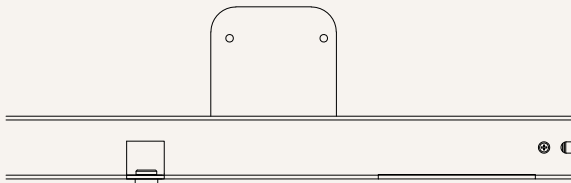


Fixation of bottom



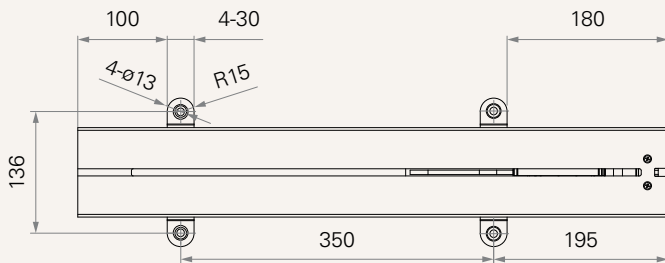
Fixation Bracket Alignment

2 = Wall mounted, back



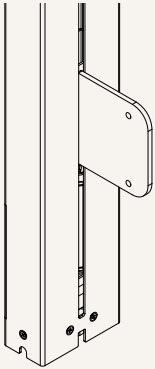
Fixation Bracket Configuration (mm)

2 = Configuration 1, A: 100, B: 180



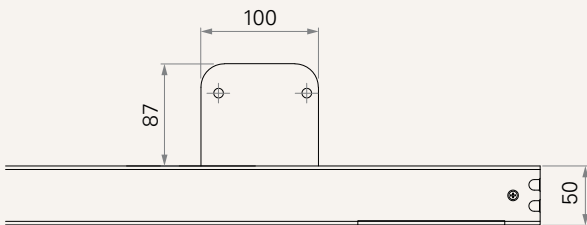
Bracket Type (mm)

Bracket

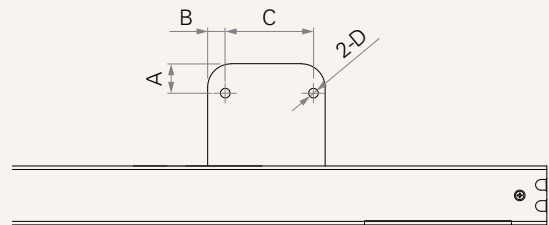


Bracket Type					
Option	Bracket Dimension	A	B	C	D
1	87*100	25	15	75	Ø6 through hole
2	87*100	25	15	75	Ø8 through hole
3	87*100	25	15	75	M6 tapped hole

Bracket Dimension



Fixation Hole Dimension



Note

1 The width is measured from the top of Bracket to the surface of outer tube.

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