

TL25B

series



Product Segments

• Ergo Motion

TiMOTION's TL25B is expertly designed for effortless integration into panels or walls, making it the perfect solution for height-adjustable tabletops in acoustic pods and wall-mounted setups. With no visible columns or feet, the TL25B combines modern aesthetics with ergonomic functionality. Its dual-blade bracket design provides a stable support base while enabling smooth, quiet height adjustments.

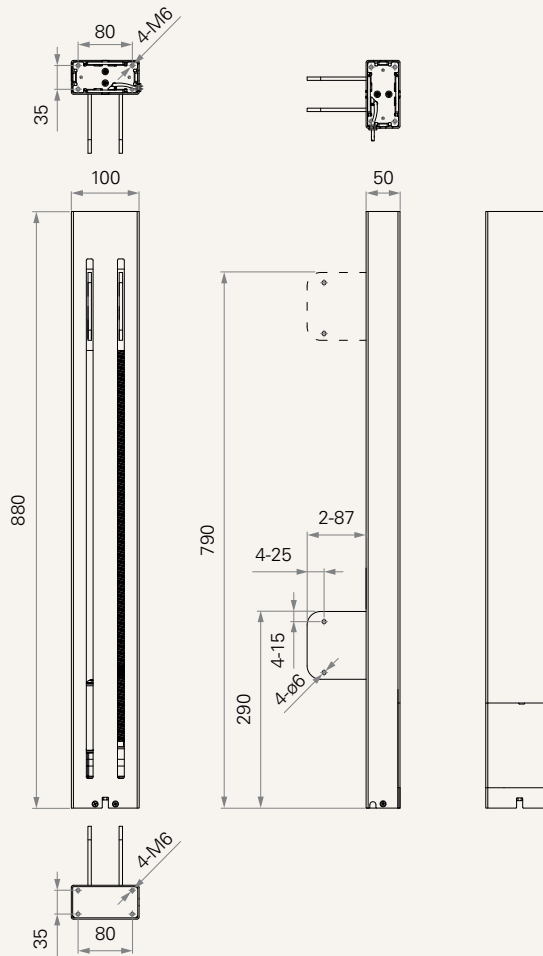
- Dual bracket support for enhanced stability
- Integrated hand control cable for a streamlined setup
- t-sense anti-collision technology for optional added safety

General Features

Max. load	1500N (push)
Self-locking force	1500N
Max. speed at max. load	12mm/s
Max. speed at no load	92mm/s
Retracted length	Stroke + 360mm
Outer profile	100*50mm, rectangular
Stroke	100~500mm
Output signals	Hall sensor * 2
Voltage	24V DC
Color	Black, white, grey, or special grey
Product Weight	6.3kg / column
Integrated hand control cable	
t-sense anti-collision technology available	

Drawing

Standard Dimensions
(mm)



Load and Speed

CODE	Load (N)	Self Locking Force (N)	Current (A) with 24V DC		Speed (mm/s) with 24V DC	
	Push		No Load	With Load	No Load	With Load
Motor Speed (5200RPM)						
C	500	500	2.5	6.0	60.0	46.0
D	200	200	3.0	5.0	92.0	76.0
E	1000	1000	2.4	7.0	40.0	25.0
F	1500	1500	2.0	5.0	16.0	12.0

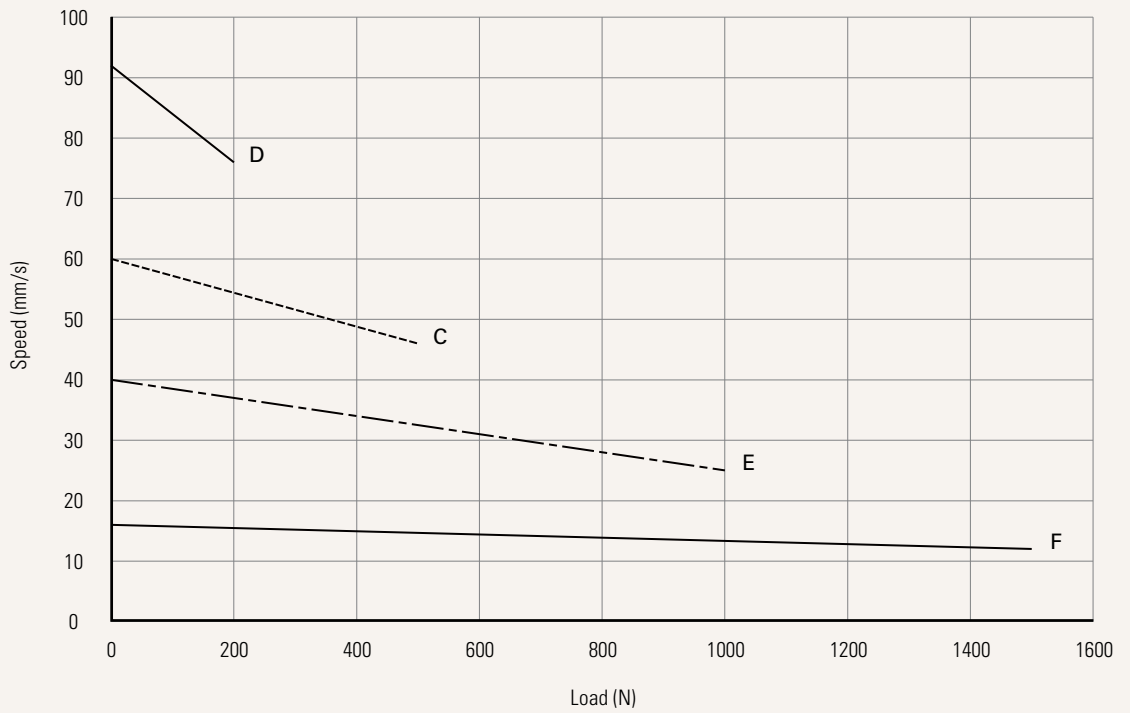
Note

- 1 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor.
- 2 Above self lock performance needs working with TiMOTION control system.
- 3 Parameters above are from tested average, please refer to approval drawing for final value.

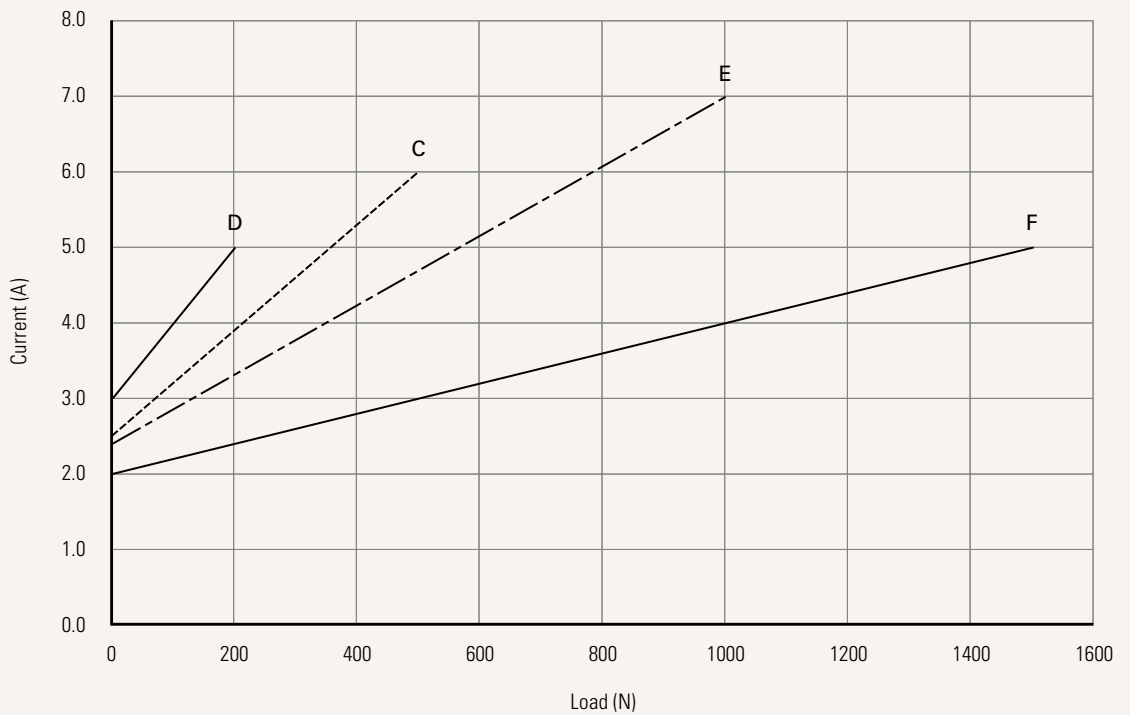
Performance Data (24V DC Motor)

Motor Speed (6600RPM)

Speed vs. Load



Current vs. Load



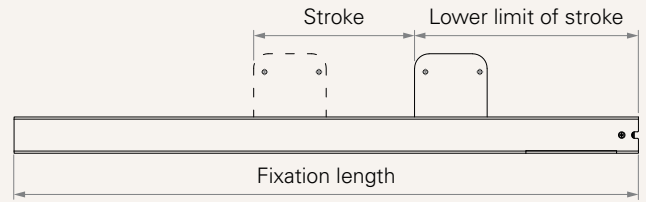
Voltage	2 = 24V DC			
Load and Speed	See page 2			
Stroke (mm)	See page 5			
Retracted Length (mm)	See page 5			
Color	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
Fixation Bracket Alignment See page 5	0 = Without fixation bracket		1 = Wall mounted, back	
Fixation Bracket Configuration (mm) See page 5	0 = Without fixation bracket		1 = Configuration 1, A:100, B:180	
Bracket Type (mm) See page 6	01 = Bracket dimension: 87*100, 2 fixation hole, A: 25, B:15, C: 75, D: Ø6.2 through hole 02 = Bracket dimension: 87*100, 2 fixation hole, A: 25, B:15, C: 75, D: Ø8.2 through hole 03 = Bracket dimension: 87*100, 2 fixation hole, A: 25, B:15, C: 75, D: M6 tapped hole			
End Pipe (mm)	0 = Without		2 = Style B two-piece, Bracket with Ø6.2 through hole	
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.

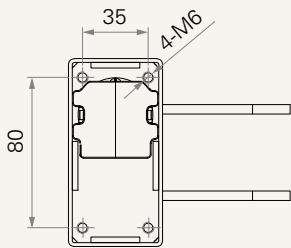
Stroke & Fixation Length (mm)

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

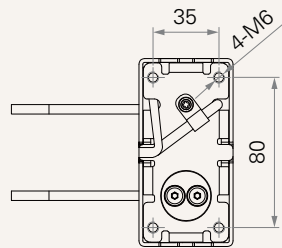


Fixation of Top and Bottom (mm)

Fixation of top

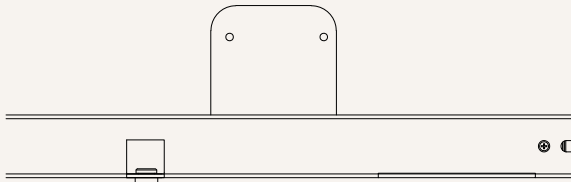


Fixation of bottom



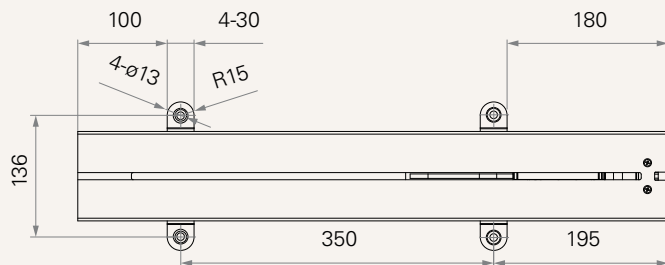
Fixation Bracket Alignment

1 = Wall mounted, back



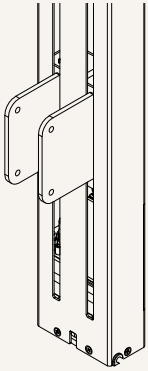
Fixation Bracket Configuration (mm)

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



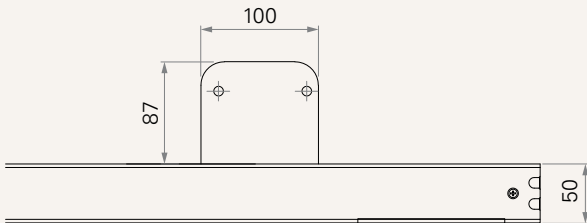
Bracket Type (mm)

Bracket

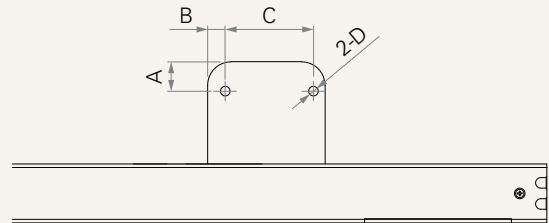


Bracket Type					
Option	Bracket Dimension A		B	C	D
01	87*100	25	15	75	Ø6.2 through hole
02	87*100	25	15	75	Ø8.2 through hole
03	87*100	25	15	75	M6 tapped hole

Bracket Dimension



Fixation Hole Dimension



Note

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

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.