

TL37S

series



Product Segments

• Ergo Motion

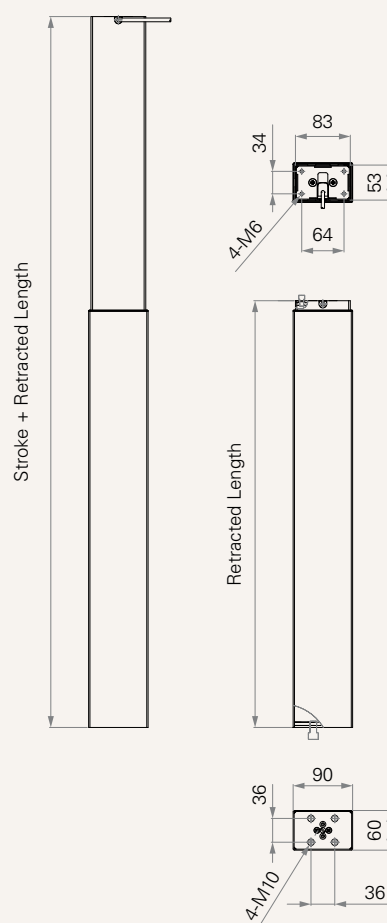
TiMOTION's TL37S is a two-stage, inline lifting column with a rectangular-profile featuring a slim appearance all while maintaining a high degree of stability. Without any protruding motor housing, it is ideally suited for ergonomic monitor stands, desk applications, or design-oriented motion furniture that require a clean, elegant appearance.

General Features

Max. load	700N (push)
Self-locking force	700N
Max. speed at max. load	35mm/s
Max. speed at no load	44mm/s
Retracted length	Standard (compatible with foot): 645mm Extended (compatible with shoe): 665mm
Dimension of outer tube	90*60mm rectangular
Stages	2-stage
Stroke	430mm
Output signals	Hall sensors
Voltage	24V DC
Color	Black, white, grey, or special grey
Inline column	

Drawing

Standard Dimensions
(mm)



Load and Speed

CODE	Load (N)	Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
	Push		No Load 29V DC	With Load 29V DC	No Load 29V DC	With Load 29V DC
Motor Speed (5200RPM)						
C	700	700	≤ 2.5	≤ 5.5	44	35

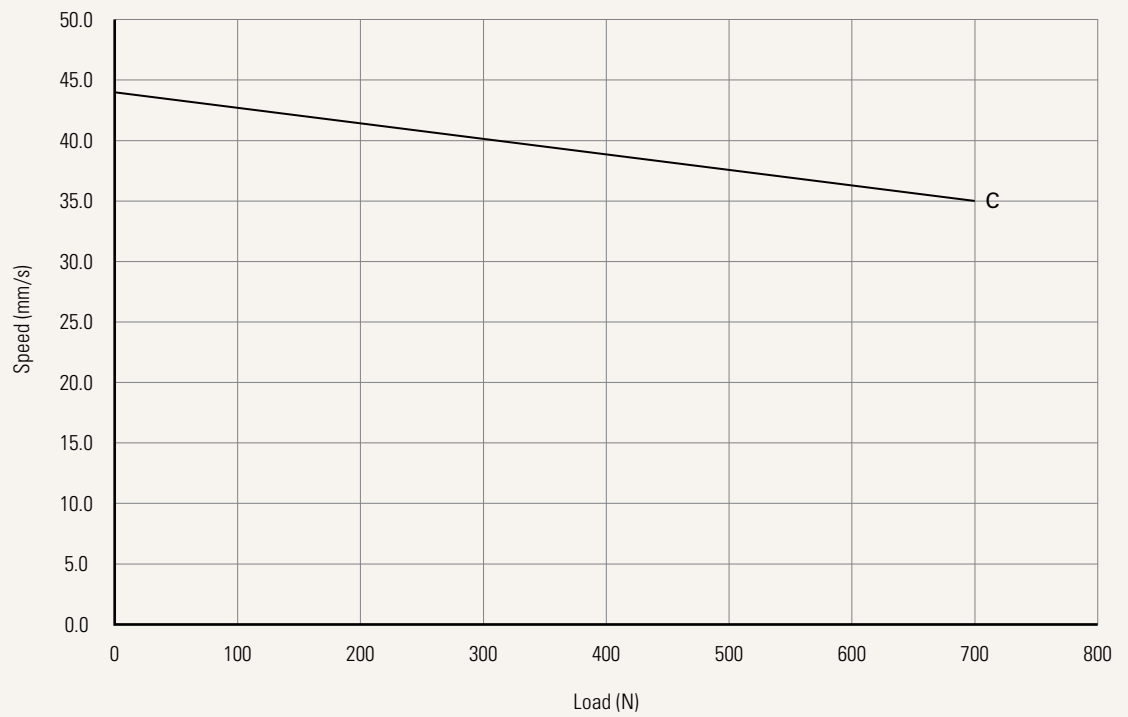
Note

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

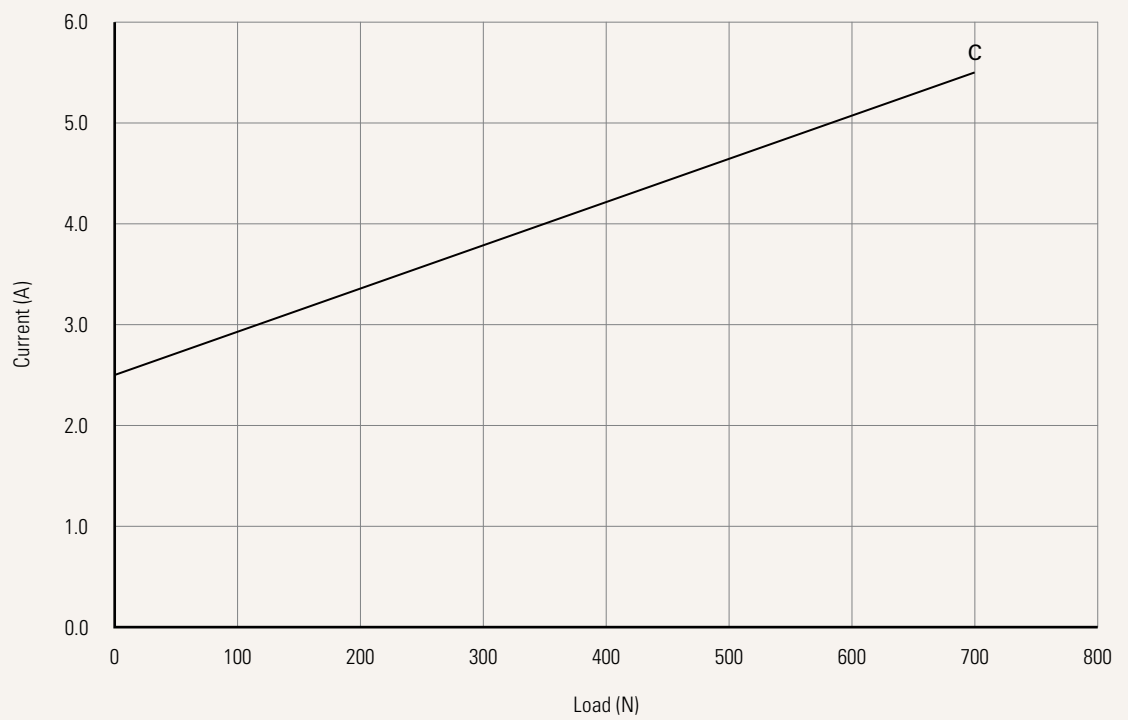
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



Appearance of Tubes	C = Without wiper fixing holes at sides			
Voltage	2 = 24V DC			
Load and Speed	See page 2			
Stroke & Retracted Length (mm)	See page 5			
Color	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
Wiper Color	1 = Black	2 = White	3 = Grey	4 = Matte black
Bracket	0 = Without			
Bottom Plate Type	1 = M10, 36*36			
Top Plate Type	2 = M6, 34*64			
Output Signals	2 = Hall sensor*2			
Connector	H = Molex 6P, socket, standard			
Cable Length (mm)	1 = Straight, 200, standard			
Extension Cable Connector See page 5	0 = Without 1 = Molex 6 pin (plug) to Molex 8 pin (plug), 180°plug, standard 2 = Molex 6 pin (plug) to Din 6 pin (plug) 3 = Molex 6 pin (plug) to Molex 8 pin (plug), 90°plug, without anti-clip			
Extension Cable Length (mm)	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)

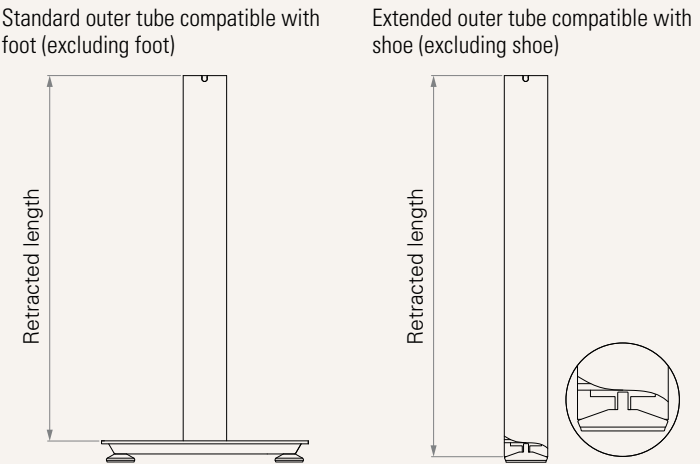
Standard Outer Tube Compatible with Foot (Excluding Foot)		
	Stroke	Retracted Length
Standard	430	645

Extended Outer Tube Compatible with Shoe (Excluding Shoe)		
	Stroke	Retracted Length
Standard	430	665

Note

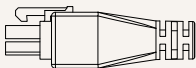
1 Only specific TEK could be with the shoes, please refer to TEK speccode

Foot Assembly

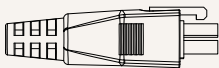


Extension Cable Connector

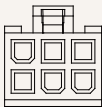
1 = Molex 6 pin (plug) to Molex 8 pin (plug), 180°plug, standard



Molex 6 pin, plug



Molex 8 pin, plug



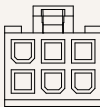
2 = Molex 6 pin (plug) to Din 6 pin (plug)



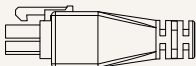
Molex 6 pin, plug



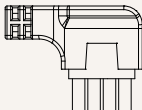
Din 6 pin, plug



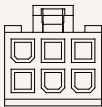
3 = Molex 6 pin (plug) to Molex 8 pin (plug), 90°plug, without anti-clip



Molex 6 pin, plug



Molex 8 pin, plug



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