

# TL37S

series



## Product Segments

### • Ergo Motion

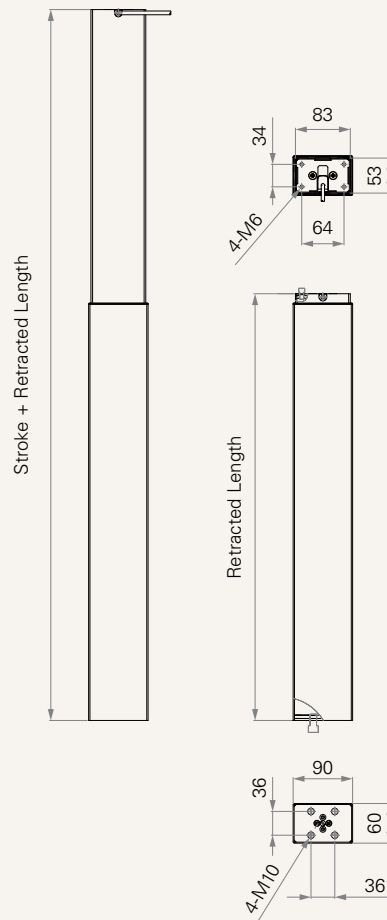
TiMOTION's TL37S is a two-stage, inline lifting column with a rectangular-profile featuring a slim appearance all while maintaining a high degree of stability. Without any protruding motor housing, it is ideally suited for ergonomic monitor stands, desk applications, or design-oriented motion furniture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

#### General Features

Max. load	700N (push)
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
<b>Motor Speed (5200RPM)</b>						
<b>C</b>	700	700	≤ 2.5	≤ 5.5	44	35

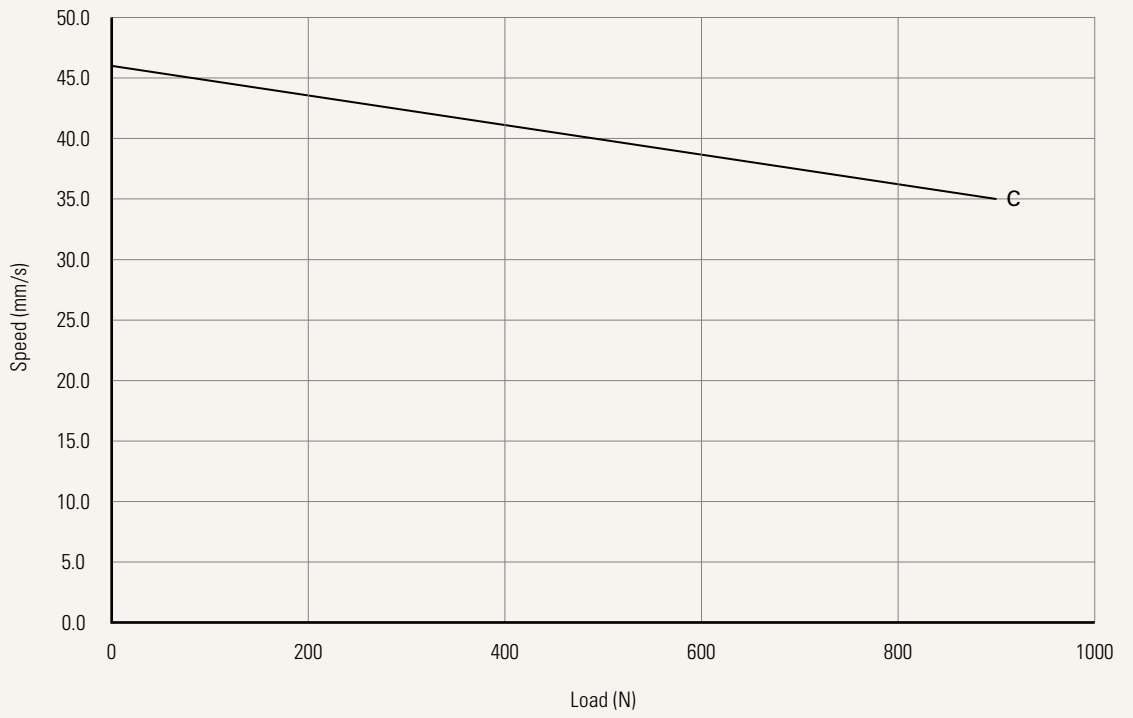
**Note**

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

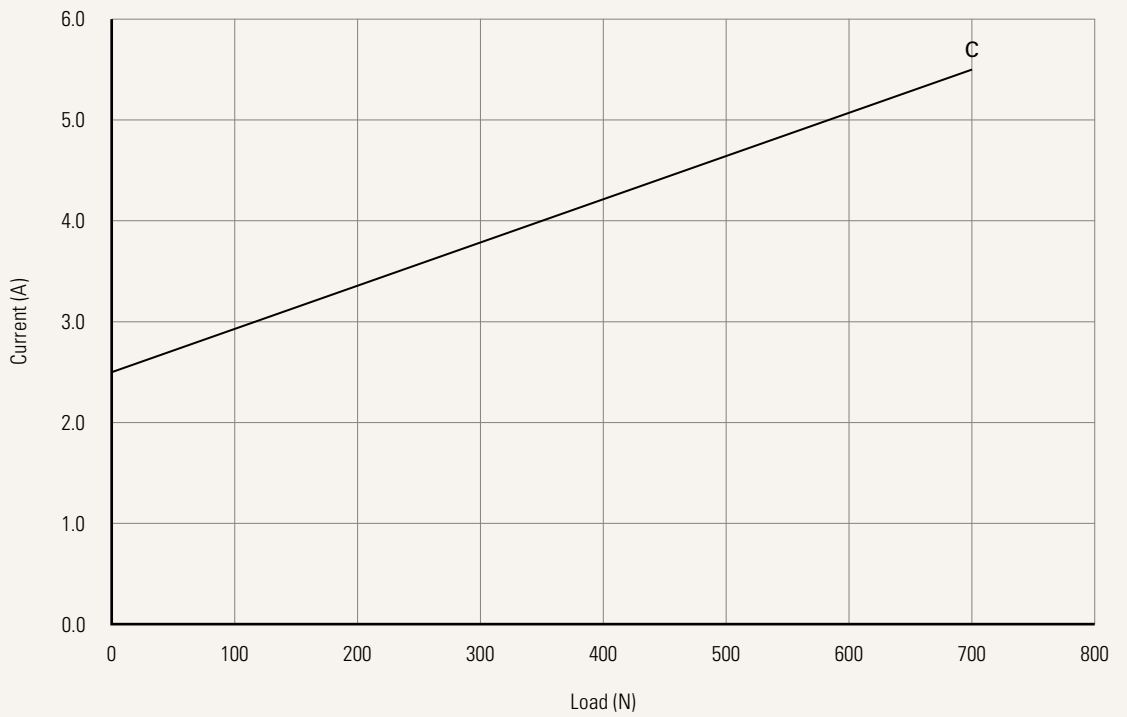
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



<b>Appearance of Tubes</b>	C = Without wiper fixing holes at sides			
<b>Voltage</b>	2 = 24V DC			
<b>Load and Speed</b>	<a href="#">See page 2</a>			
<b>Stroke &amp; Retracted Length (mm)</b>	<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>Wiper Color</b>	1 = Black	2 = White	3 = Grey	4 = Matte black
<b>Bracket</b>	0 = Without			
<b>Output Signals</b>	2 = Hall sensor*2			
<b>Connector</b>	H = Molex 6P, socket, standard			
<b>Cable Length (mm)</b>	1 = Straight, 200mm, standard			
<b>Extension Cable Connector</b>	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			
<b>Extension Cable Length (mm)</b>	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500	

### Note

<sup>1</sup> The TL is designed especially for push applications, not suitable for pull applications.

## Stroke & Retracted Length (mm)

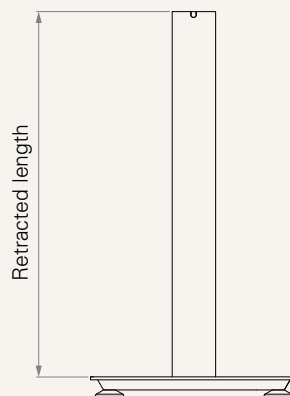
Foot Assembly	Stroke & Retracted Length
	Standard
<b>Standard, for Foot (Excluding Foot)</b>	430 / 645
<b>Extended Outer Tube for Shoe (Excluding Shoe)</b>	430 / 665

### Note

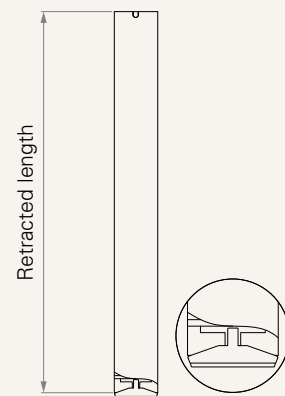
1 Only specific TEK could be with the shoes, please refer to TEK speccode

## Foot Assembly

Standard, for foot (excluding foot)

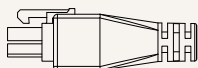


Extended outer tube for shoe (excluding shoe)

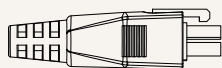


## Extension Cable Connector

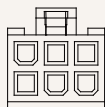
1 = Molex 6 pin (plug) to Molex 8 pin (plug), 180°plug, standard



Molex 6 pin, plug



Molex 8 pin, plug



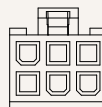
2 = Molex 6 pin (plug) to Din 6 pin (plug)



Molex 6 pin, plug



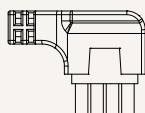
Din 6 pin, plug



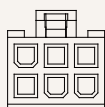
3 = Molex 6 pin (plug) to Molex 8 pin (plug), 90°plug, without anti-clip



Molex 6 pin, plug



Molex 8 pin, plug



## Terms of Use

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