

# TL35S

series



## Product Segments

- **Ergo Motion**

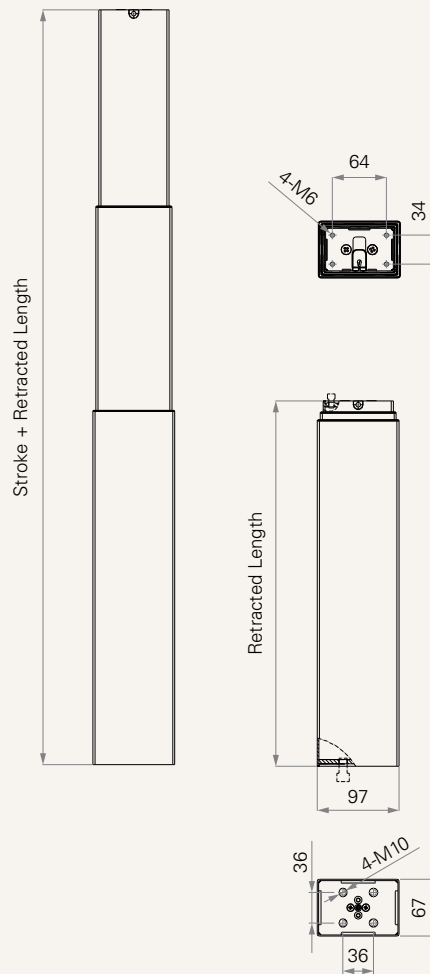
The TL35S series columns are a rectangular profile inline design that looks slim yet ensures a high degree of stability. Our TL35S is a three-stage column that travels steadily with a long stroke and low noise level. The TL35S is ideally suited for ergonomic monitor stands or desk applications as it comes without a motor housing. It is the perfect choice for design-oriented lifting furniture that requires a clean appearance while simultaneously optimizing space.

### General Features

Max. load	700N (push)
Self-locking force	700N
Max. dynamic bending moment	150Nm
Max. static bending moment	300Nm
Max. speed at max. load	35mm/s
Max. speed at no load	46mm/s
Retracted length	Standard (compatible with foot): 590 / 560(M) / 520(S)mm Extended (compatible with shoe): 610 / 580(M) / 540(S)mm
Dimension of outer tube	97*67mm rectangular
Stages	3-stage
Stroke	650 / 660 (M, S) mm
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	46	35

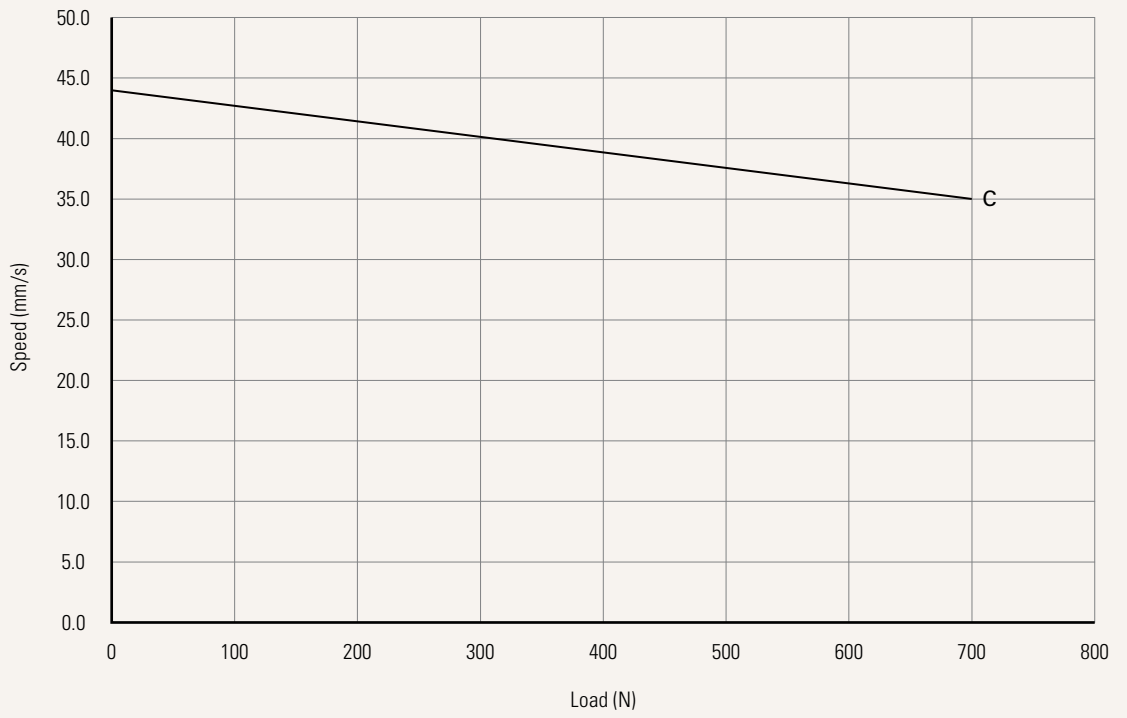
**Note**

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

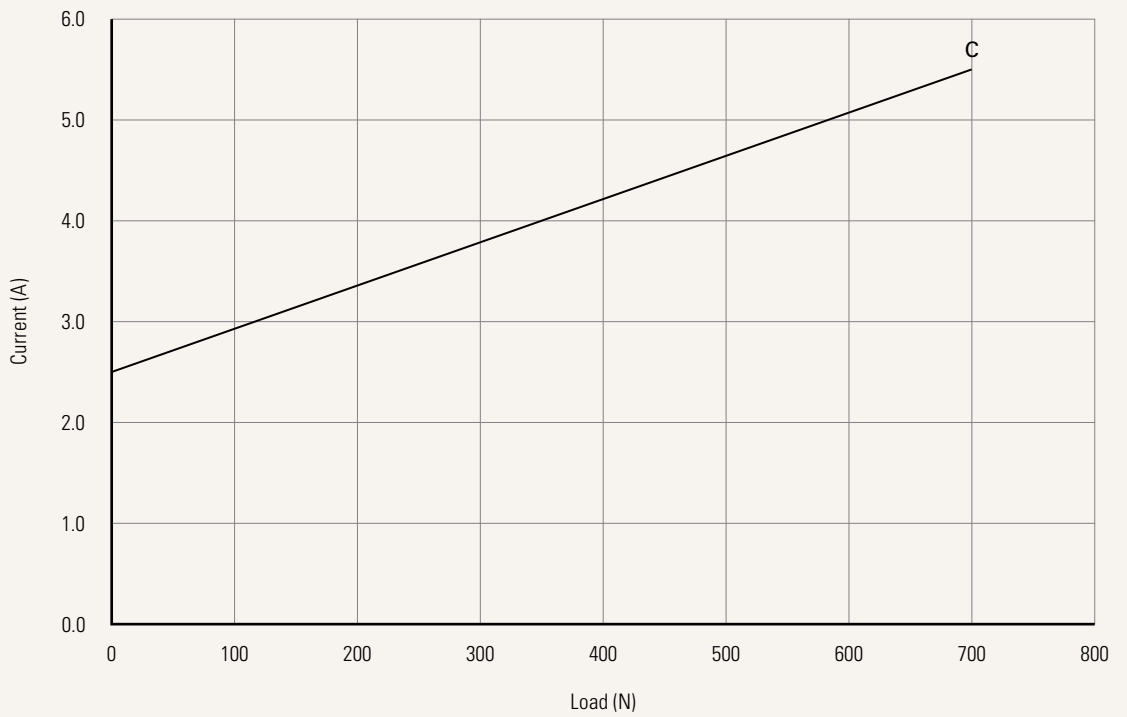
Performance Data (24V DC Motor)

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>Bottom Plate Type</b>	1 = M10, 36*36			
<b>Top Plate Type</b>	2 = M6, 34*64			
<b>Output Signals</b>	2 = Hall sensor * 2			
<b>Connector</b>	H = Molex 6P, socket, standard			
<b>Cable Length (mm)</b>	1 = Straight, 200, standard <a href="#">See page 5</a>			
<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 <a href="#">See page 5-6</a>			
<b>Extension Cable Length (mm)</b>	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500 <a href="#">See page 6</a>	

### 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
<b>Standard</b>	650	590
<b>M</b>	660	560
<b>S</b>	660	520

### Extended Outer Tube Compatible with Shoe (Excluding Shoe)

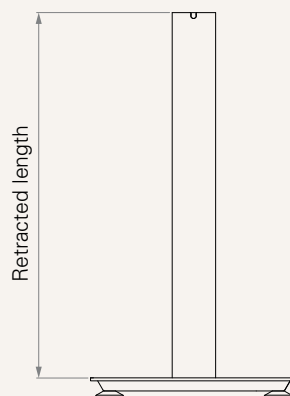
	Stroke	Retracted Length
<b>Standard</b>	650	610
<b>M</b>	660	580
<b>S</b>	660	540

### Note

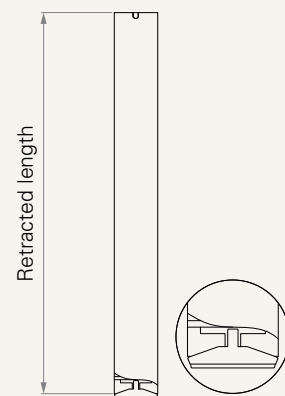
1 Only specific TEK could be with the shoes, please refer to TEK speccode

## Foot Assembly

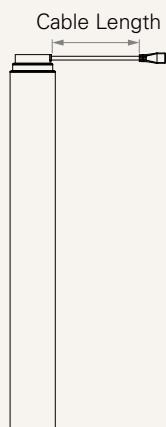
Standard outer tube compatible with foot (excluding foot)



Extended outer tube compatible with shoe (excluding shoe)

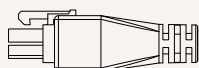


## Cable Length (mm)

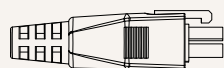
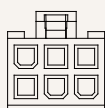


## Extension Cable Connector

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



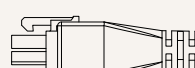
Molex 6 pin, plug



Molex 8 pin, plug



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



Molex 6 pin, plug



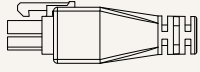
Din 6 pin, plug



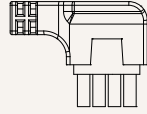
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## Extension Cable Connector

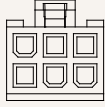
3 = Molex 6 pin (plug) to Molex 8 pin (plug), 90° plug, without anti-clip



Molex 6 pin, plug

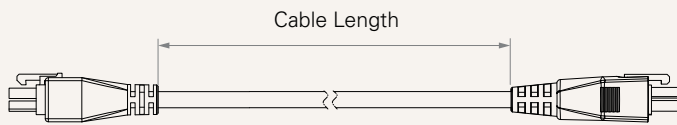


Molex 8 pin, plug



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## Extension Cable Length



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## Terms of Use

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