

TL35S

series



Product Segments

- **Ergo Motion**

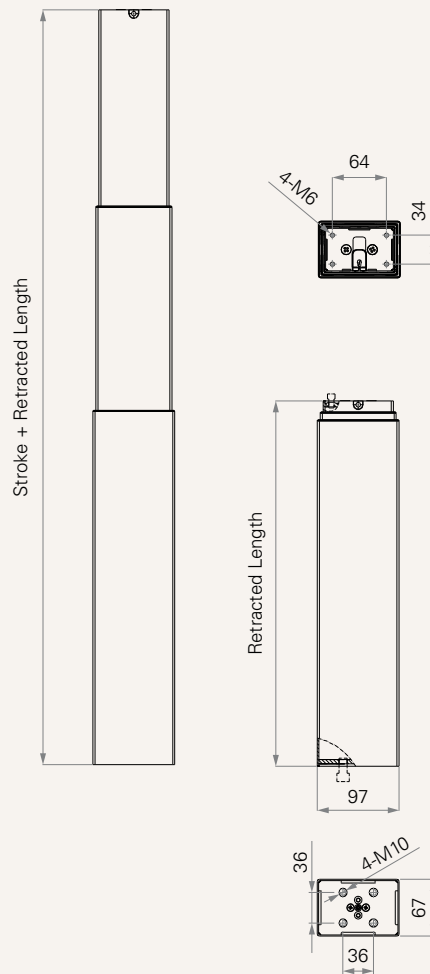
The TL35S series columns are a rectangular profile inline design that looks slim yet ensures a high degree of stability. Our TL35S is a three-stage column that travels steadily with a long stroke and low noise level. The TL35S is ideally suited for ergonomic monitor stands or desk applications as it 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)
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
Motor Speed (5200RPM)						
C	700	900	≤ 2.5	≤ 5.5	46	35

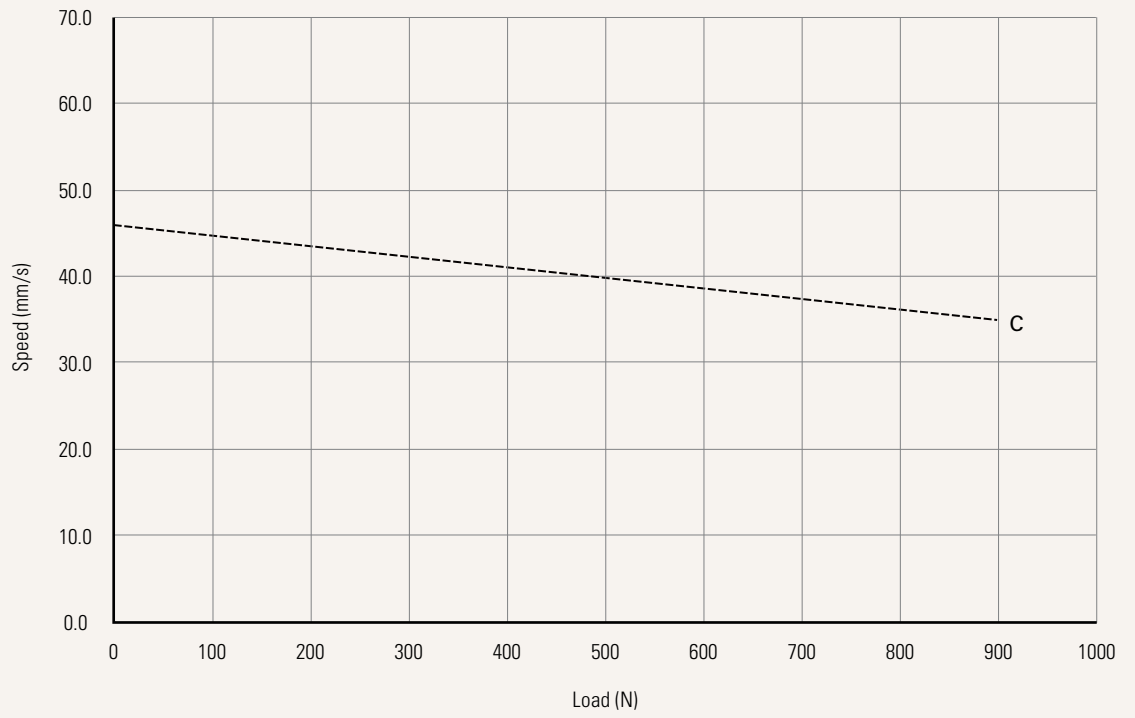
Note

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

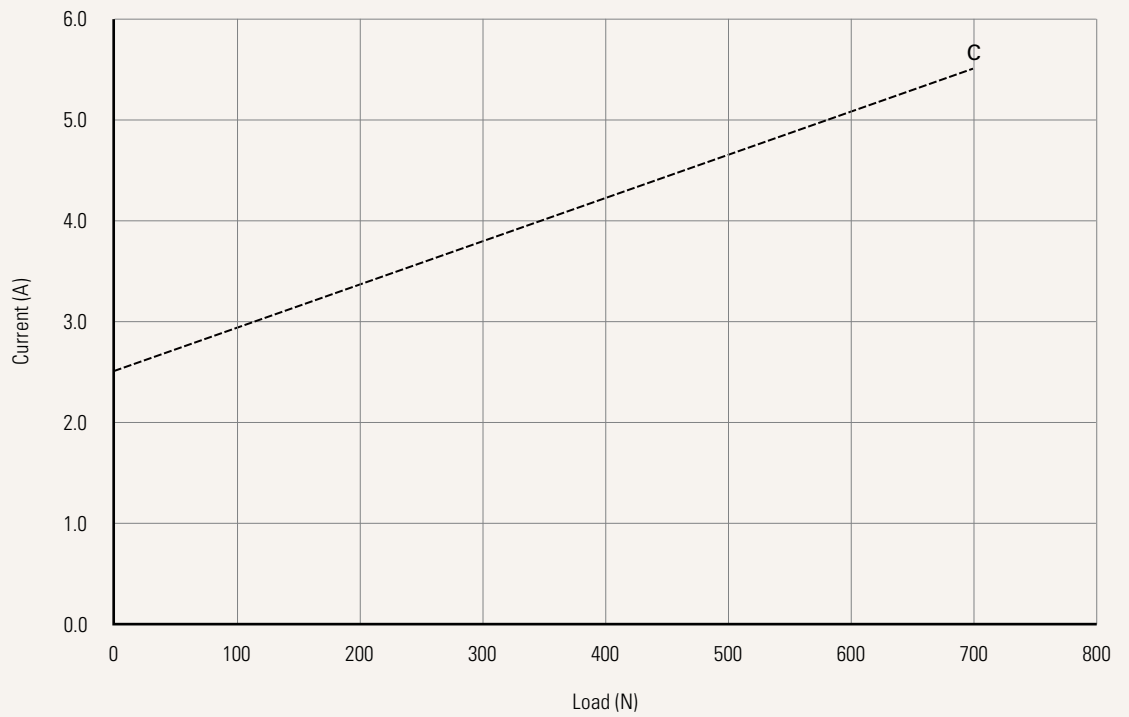
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



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			
Output Signals	2 = Hall sensor * 2			
Connector	H = Molex 6P, socket, standard			
Cable Length (mm)	1 = Straight, 200, standard			
Extension Cable Connector	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	
	See page 5			

Note

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

Stroke & Retracted Length (mm)

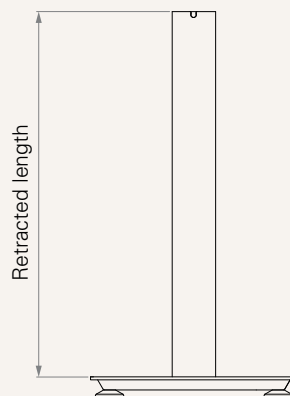
Foot Assembly	Stroke & Retracted Length		
	Standard	M	S
Standard, for Foot (Excluding Foot)	650 / 590	660 / 560	660 / 520
Extended Outer Tube for Shoe (Excluding Shoe)	650 / 610	660 / 580	660 / 540

Note

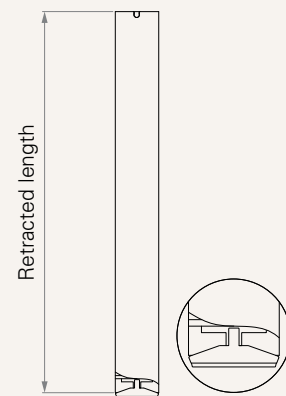
1 Only specific TEK could be with the shoes, please refer to TEK speccode

Foot Assembly

Standard, for foot (excluding foot)

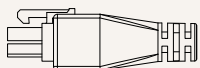


Extended outer tube for shoe (excluding shoe)

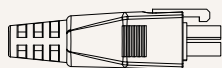


Extension Cable Connector

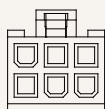
1 = Molex 6 pin (plug) to Molex 8 pin (plug), 180° plug, standard



Molex 6 pin, plug



Molex 8 pin, plug



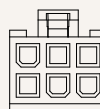
2 = Molex 6 pin (plug) to Din 6 pin (plug)



Molex 6 pin, plug



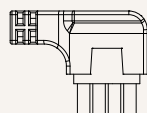
Din 6 pin, plug



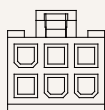
3 = Molex 6 pin (plug) to Molex 8 pin (plug), 90° plug, without anti-clip



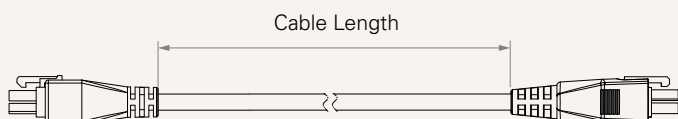
Molex 6 pin, plug



Molex 8 pin, plug



Extension Cable Length



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