

# TL6

series



## Product Segments

- **Ergo Motion**

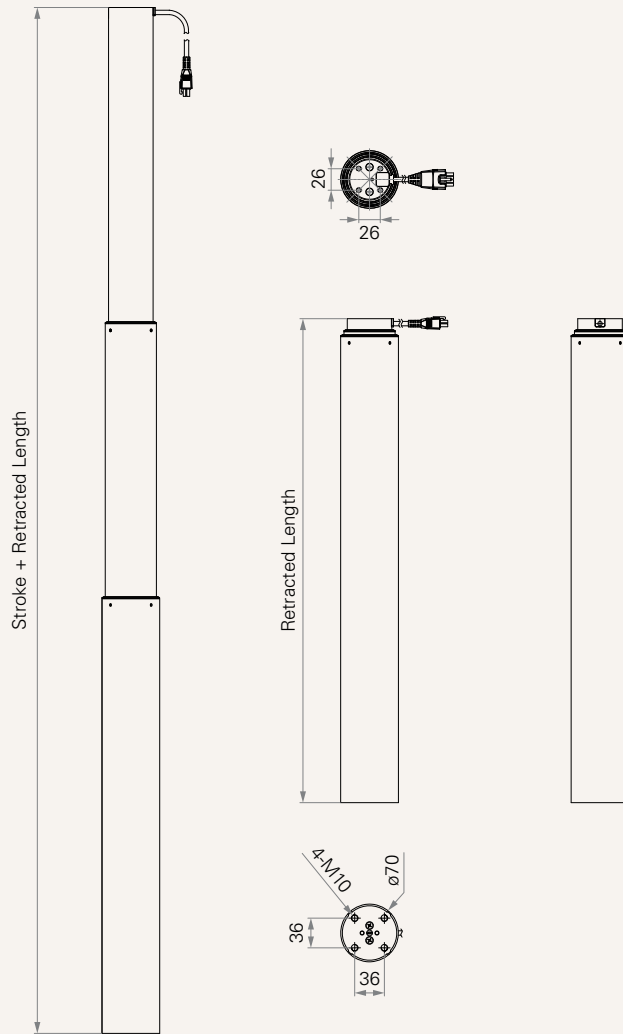
The TL6 has a three stage telescopic outer tube that is designed for a narrow-top, wide-bottom round appearance, with an inline actuator (TA20) embedded. Without a motor housing design, it is suitable for ergonomic furniture applications. It is the perfect choice for design-oriented lifting furniture in need of a neat structure and space optimization.

### General Features

Max. load	700N (push)
Max. speed at max. load	43mm/s
Max. speed at no load	60mm/s
Retracted length	Standard: 590 / 560 (M) / 520 (S)mm With shoes: 610 / 580 (M) / 540 (S)mm
Dimension of outer tube	3-stage, Ø70mm round
Stroke	650 / 660 (M, S)mm
Options	Hall sensors
Operational temperature range	+5°C~+45°C

**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)**

<b>B</b>	600	900	≤ 2.5	≤ 5.5	60	43
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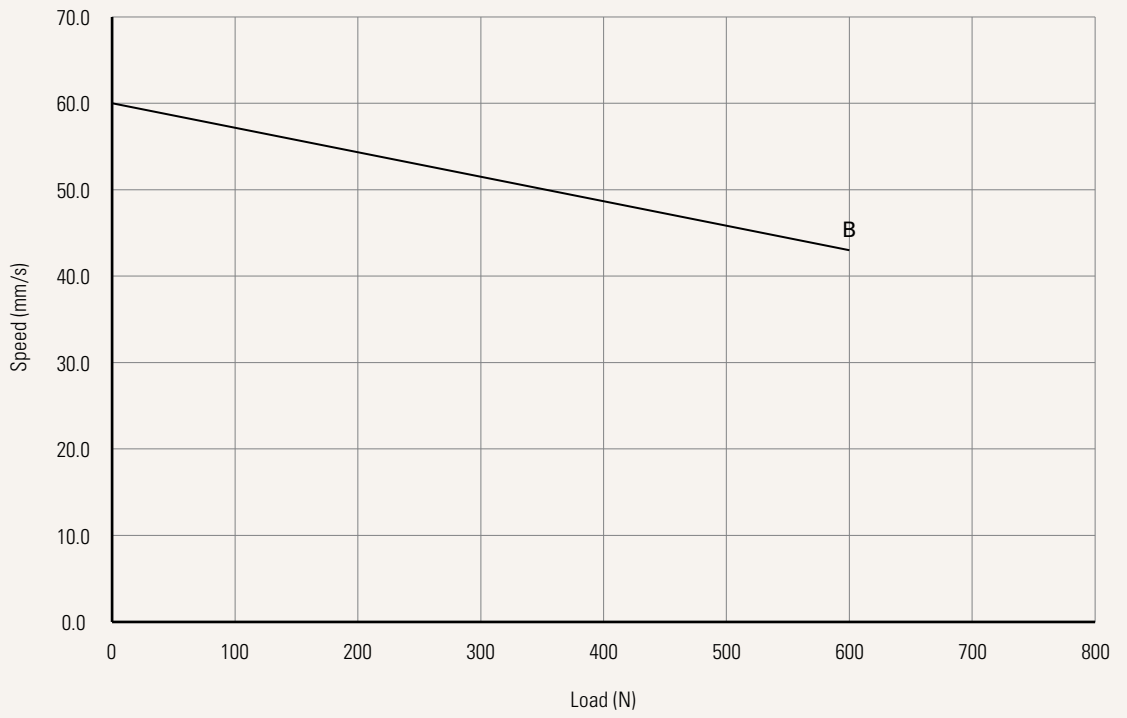
**Note**

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

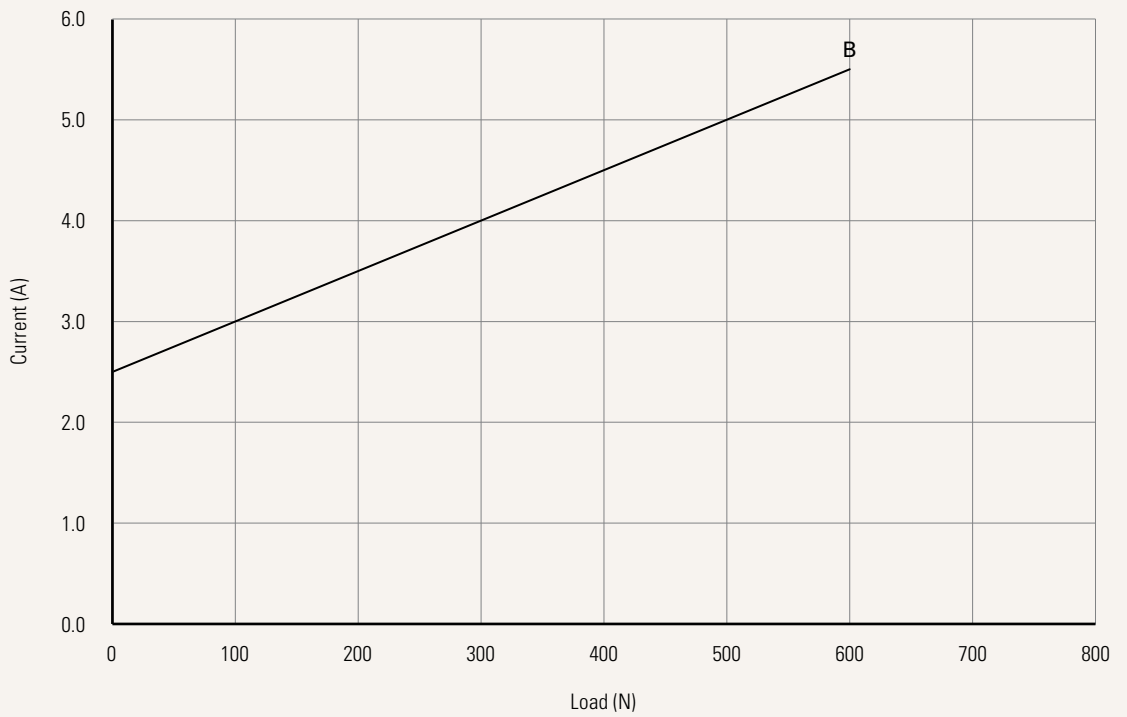
Performance Data (24V DC Motor)

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>Column Color</b>	1 = Black, RAL 9005, Black wiper 2 = Grey, RAL 9006, Black wiper 3 = White, RAL 9016, Black wiper 4 = Special grey, RAL 9022, Black wiper 6 = Grey, RAL 9006, Grey wiper	7 = White, RAL 9016, White wiper 8 = Special grey, RAL 9022, Grey wiper B = Matte black, RAL 7021, Black wiper C = Graphite grey RAL7024, Black wiper D = Matte black, RAL 7021, Matte Black wiper		
<b>Output Signal</b>	2 = Hall sensor*2			
<b>Connector</b>	H = Molex 6P, socket, standard			
<b>Cable Length (mm)</b> <a href="#">See page 5</a>	1 = Straight, 200, standard			
<b>Extension Cable Connector</b> <a href="#">See page 5</a>	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> <a href="#">See page 6</a>	0 = Without	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500
<b>Bracket</b>	0 = Without			

### Note

<sup>1</sup> The TL6 is designed especially for push applications, not suitable for pull applications.

## Stroke & Retracted Length (mm)

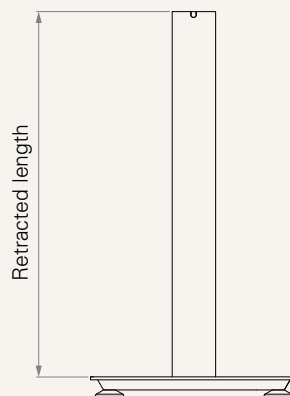
Foot Assembly	Stroke & Retracted Length		
	Standard	M	S
<b>Standard, with Foot</b>	650 / 590	660 / 560	660 / 520
<b>Extended Outer Tube for Shoe (Excluding Shoe)</b>	650 / 610	660 / 580	660 / 540

### Note

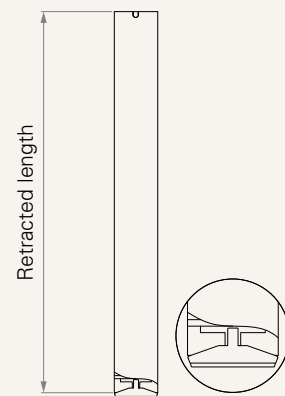
1 Only specific TEK could be with the shoes, please refer to TEK speccode

## Foot Assembly

Standard, with foot

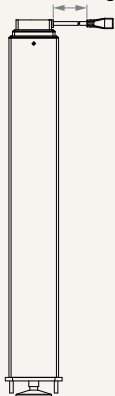


Extended outer tube for shoe (excluding shoe)



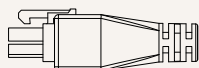
## Cable Length (mm)

Cable Length

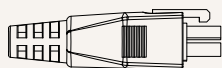


## Extension Cable Connector

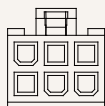
1 = Molex 6 pin (plug) to Molex 8 pin (plug), 180° plug, standard



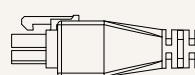
Molex 6 pin, plug



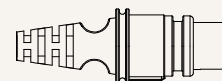
Molex 8 pin, plug



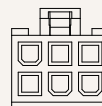
2 = Molex 6 pin (plug) to Din 6 pin (plug)



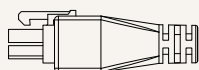
Molex 6 pin, plug



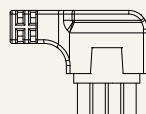
Din 6 pin, plug



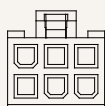
3 = Molex 6 pin (plug) to Molex 8 pin (plug), 90° plug, without anti-clip



Molex 6 pin, plug

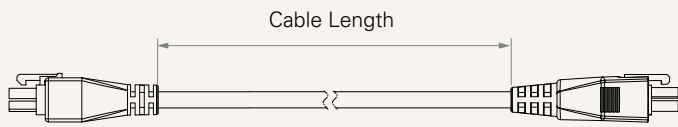


Molex 8 pin, plug



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## Extension Cable Length



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