

# TL12H

series



## Product Segments

### • Ergo Motion

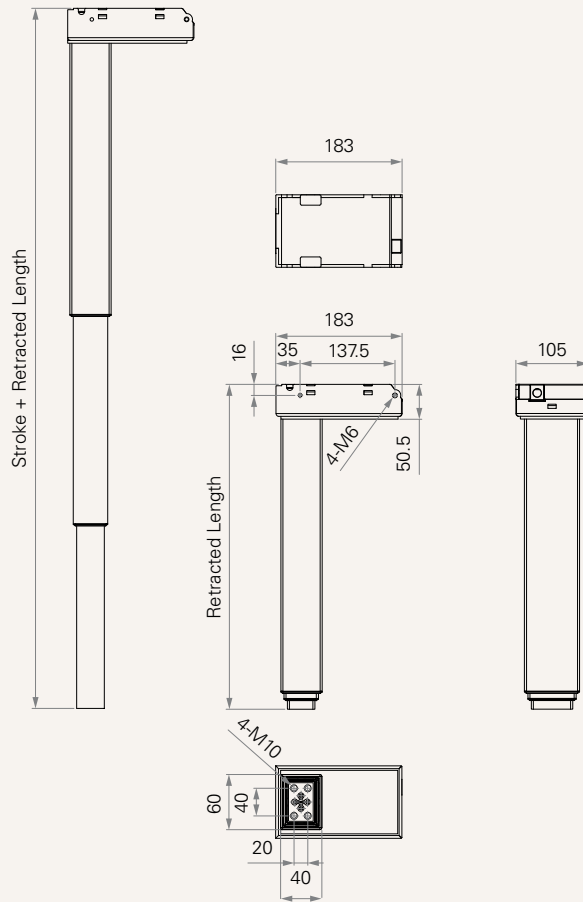
TiMOTION's TL12H is one of the heavy-duty lifting columns of our Ergo Motion product line. With a 3-stage, upside-down rectangular profile, each TL12H elevates up to 120kg in a smooth and steady movement. This lifting column is suitable for consoles, workbenches, industrial workstations, heavy tabletops, and other heavy loading applications. It is also compatible with the control box for our Ergo Motion and TEK series.

#### General Features

Max. load	1200N (push)
Max. load & self-locking force	1800N
Max. speed at max. load	15mm/s
Max. speed at no load	23mm/s
Retracted length	Standard: 590mm; With shoes: 650mm
Dimension of outer tube	3-stage, 80*60mm rectangular, upside down
Stroke	650mm
Color	Black, white, grey, or special colors

**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 24V DC	No Load 29V DC	With Load 24V DC
<b>Motor Speed (5200RPM)</b>						
<b>E</b>	1200	1800	2.8	6.0	23.0	15.0

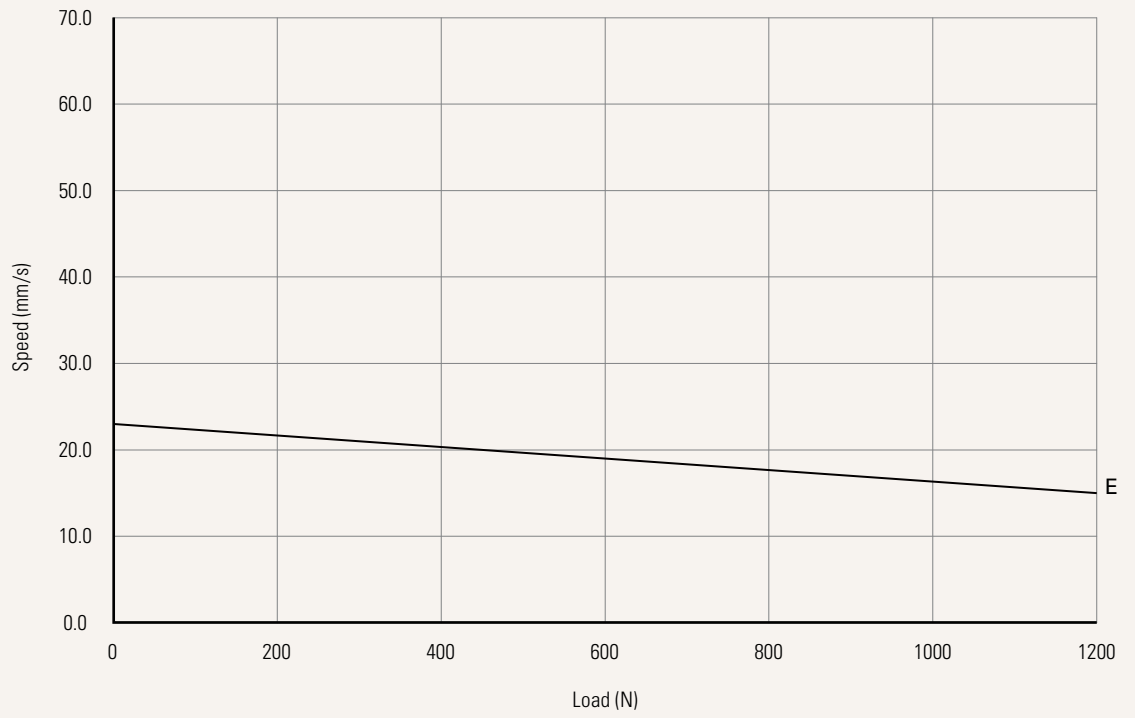
**Note**

- Above self lock performance needs working with Timotion control system.
- Please refer to the approved drawing for the final authentic value.

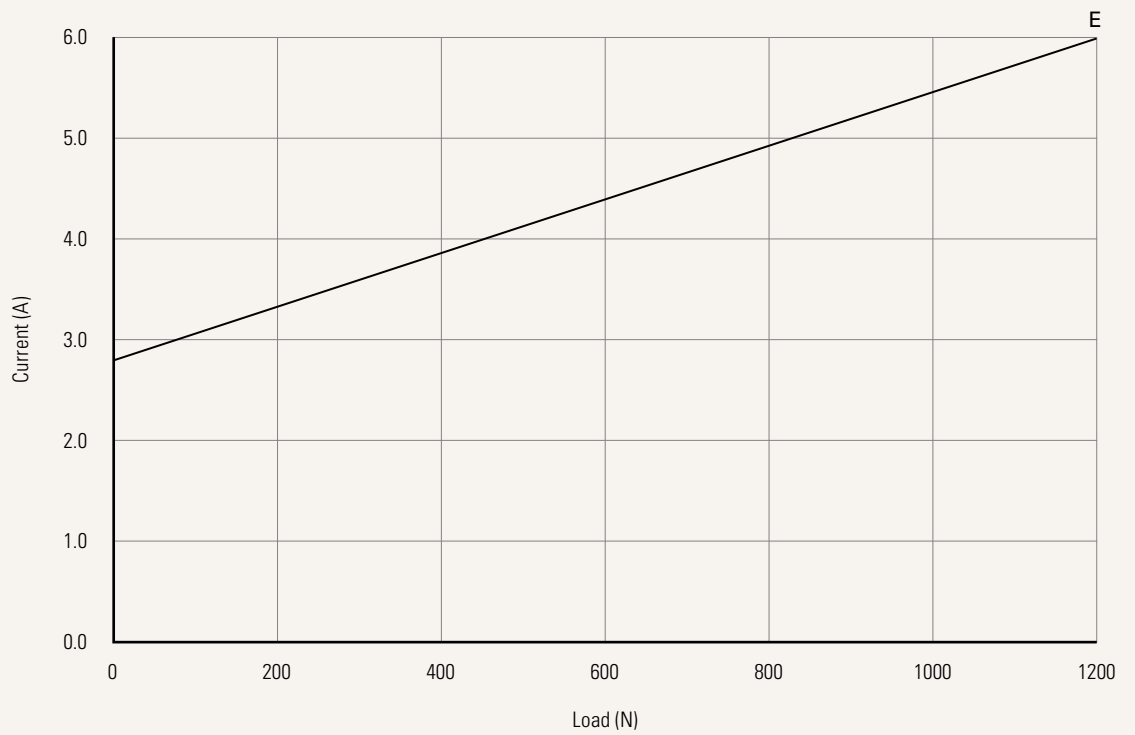
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



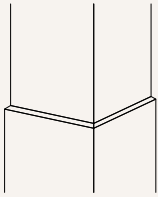
<b>Appearance of Tubes</b> <a href="#">See page 5</a>	C = Without wiper fixing holes at sides		
<b>Voltage</b>	2 = 24VDC		
<b>Load and Speed</b>	<a href="#">See page 2</a>		
<b>Stroke &amp; Retracted Length (mm)</b>	<a href="#">See page 5</a>		
<b>Color</b>	1 = Black, RAL 9005, Black wiper 2 = Grey, 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>Motor Housing Step</b>	0 = With	1 = Without	
<b>Output Signals</b>	2 = Hall sensor * 2		
<b>Connector</b> <a href="#">See page 5</a>	1 = DIN 6P, 90° plug E = Molex 8P, plug, standard	F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23	
<b>Cable Length (mm)</b>	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500
<b>Bracket</b>	0 = Without		

### Note

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

## Appearance of Tubes

C = Without wiper fixing holes at sides



## Stroke & Retracted Length (mm)

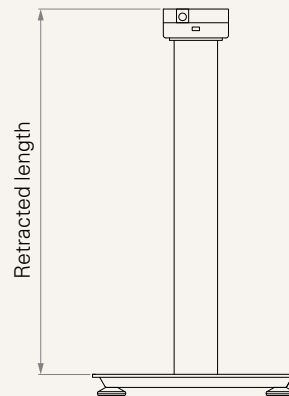
Foot Assembly	Stroke & Retracted Length		
	Standard	M	S
<b>Standard, with Foot</b>	650 / 590		

### Note

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

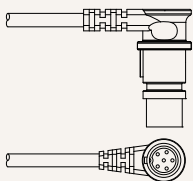
## Foot Assembly

Standard, with foot

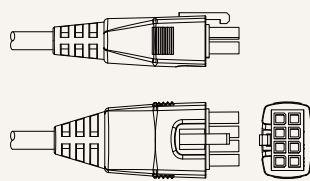


## Connector

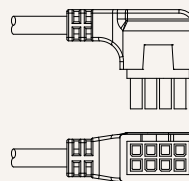
1 = DIN 6P, 90° plug



E = Molex 8P, plug, standard



F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23



## Terms of Use

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