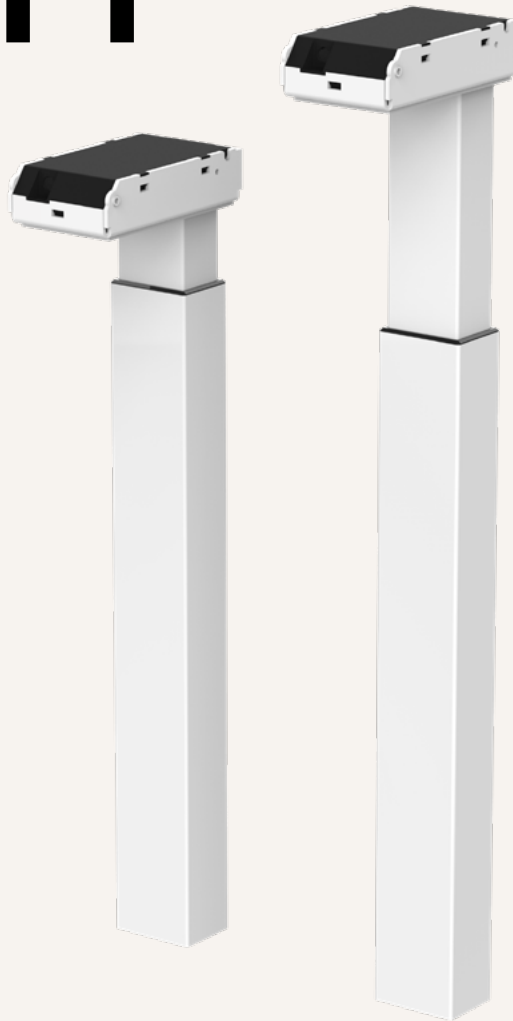


TL15H

series



Product Segments

- **Ergo Motion**

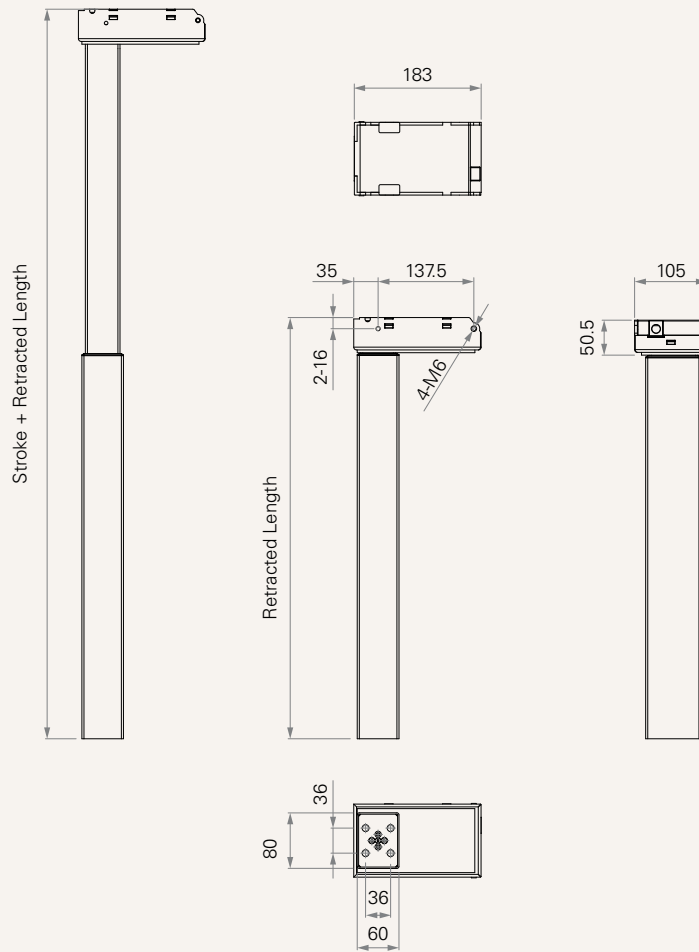
TiMOTION's TL15H is one of the heavy-duty lifting columns of our Ergo Motion product line. Each TL15H elevates up to 120kg with a smooth and steady movement. This lifting column is suitable for consoles, workbenches, industrial workstations, heavy tabletops, and other heavy loading applications. It is also compatible with the control box for the Ergo Motion and TEK series.

General Features

| | |
|-------------------------|--|
| Max. load | 1200N (push) |
| Self-locking force | 1,200N |
| Max. speed at max. load | 22mm/s |
| Max. speed at no load | 28mm/s |
| Retracted length | Standard (compatible with foot): 645mm Extended (compatible with shoe): 665mm |
| Dimension of outer tube | 80*60mm, rectangular |
| Stages | 2-stage |
| Stroke | 500mm |
| Output signals | Hall sensors |
| Voltage | 24V DC |
| Color | Black, white, grey, or special colors |
| With motor house | |

Drawing

Standard Dimensions
(mm)



Load and Speed

| CODE | Load (N) | Self Locking Force (N) | Typical Current (A) | | Typical Speed (mm/s) | |
|-----------------------|----------|------------------------|---------------------|------------------|----------------------|------------------|
| | | | No Load 29V DC | With Load 29V DC | No Load 29V DC | With Load 29V DC |
| Motor Speed (5200RPM) | | | | | | |
| E | 1200 | 1200 | 2.2 | 6.0 | 28.0 | 22.0 |

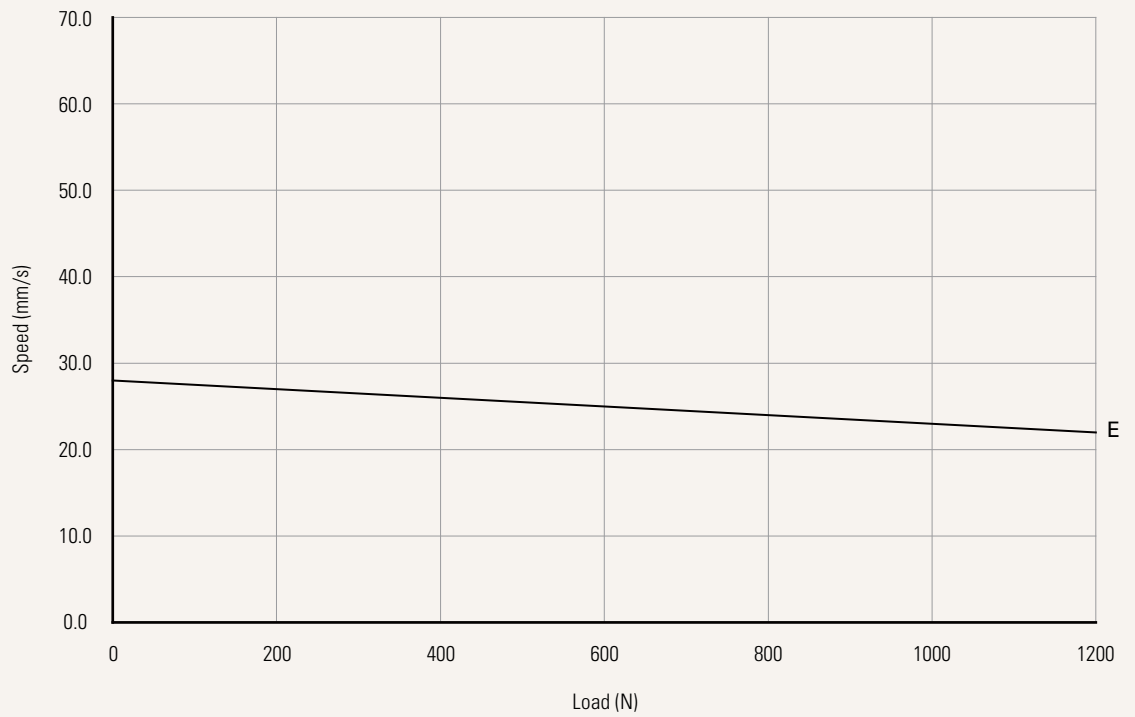
Note

- 1 Above self lock, typical current and typical speed performance are tested with Timotion control boxes.
- 2 Parameters above are from tested average, please refer to approval drawing for final value.

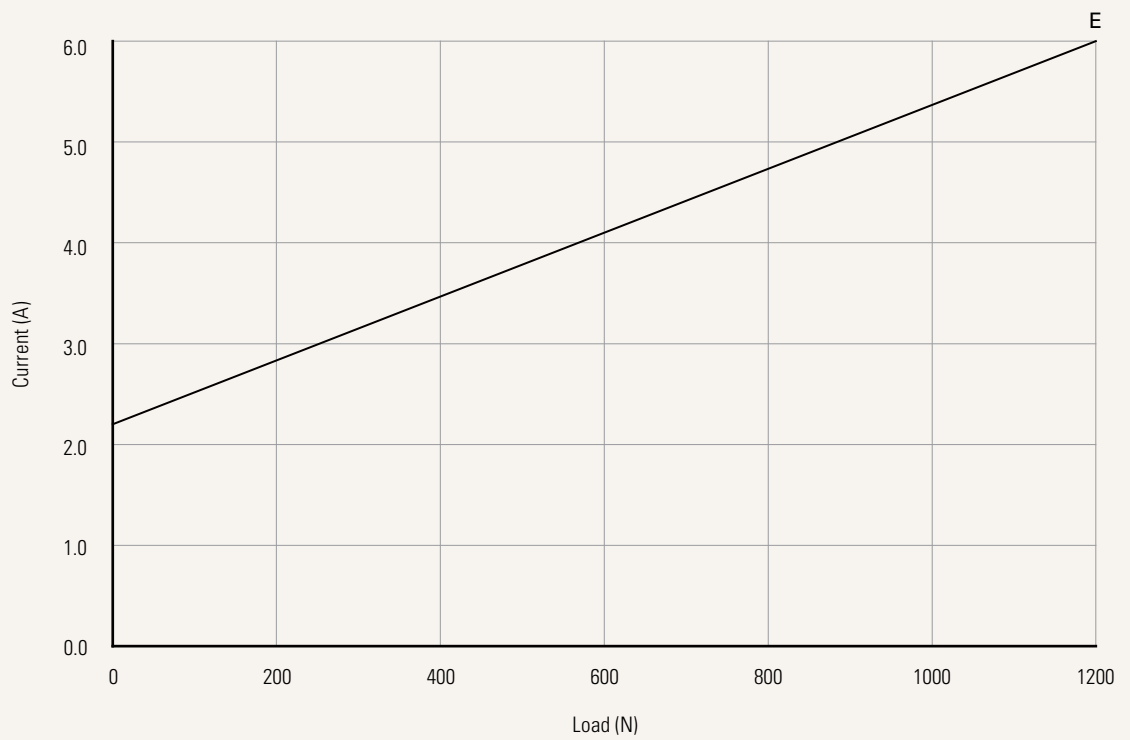
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



Note

1 The performance data in the curve charts shows theoretical value.

| | | | | |
|--|--|--|---------------------|----------------------------|
| Appearance of Tubes | C = Without wiper fixing holes at sides | | | |
| Voltage | 2 = 24V DC | 3 = 24V DC, UL | | |
| 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 L = Left, standard | R = Right, standard 5 = Left, triangle | 6 = Right, triangle | |
| Bottom Plate Type | 1 = M10 | | | |
| Bottom Plate Height | 1 = Standard | | | |
| Output Signals | 2 = Hall sensor * 2 | | | |
| Connector See page 5 | 1 = DIN 6P, 90° plug E = Molex 8P, plug, standard | F = Molex 8P, 90° plug, without anti-clip, for TC22 / TC23 | | |
| Cable Length (mm) | 1 = Straight, 500 | 3 = Straight, 1000 | 4 = Straight, 1500 | |

Note

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

Stroke & Retracted Length (mm)

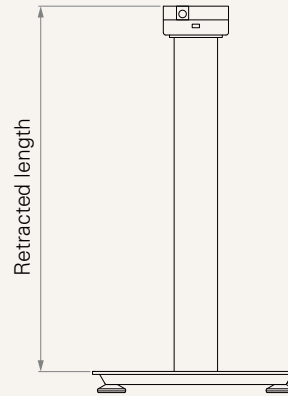
| Foot Assembly | Stroke & Retracted Length |
|--|---------------------------|
| | Standard |
| Standard, for foot (Excluding foot) | 500 / 645 |
| Extended Outer Tube for Shoe (Excluding Shoe) | 500 / 665 |

Note

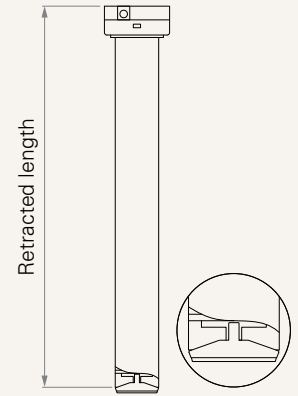
1 Only specific TEK could be with the shoes, please refer to TEK speccode

Foot Assembly

Standard, for foot (excluding foot)

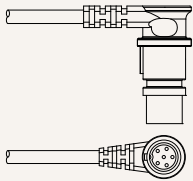


Extended outer tube for shoe (excluding shoe)

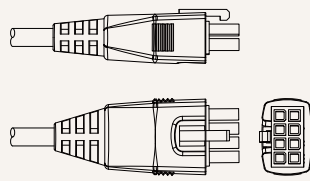


Connector

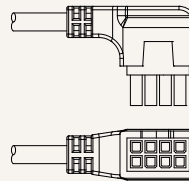
1 = DIN 6P, 90° plug



E = Molex 8P, plug, standard



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



Terms of Use

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