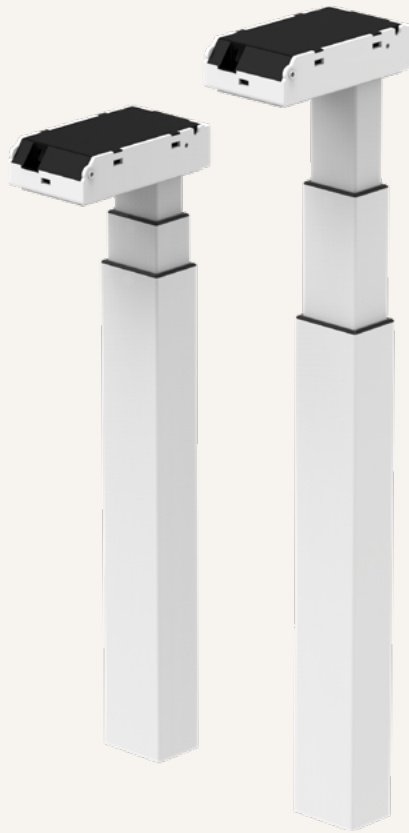


# TL10H

series



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## Product Segments

- **Ergo Motion**

The TL10H is a heavy-duty lifting column for Ergo applications with a large capacity (120kg per column). With the same dimensions and fixation methods as TL10, it's compatible with the control box for Ergo Motion and TEK series. This lifting column is suitable for consoles, workbenches, industrial workstations, heavy tabletops, and other heavy loading applications.

## Features

- Load and speed per column<sup>12</sup>

| Code | Load (N) | Self Locking Force (N) | Current (A) with 29V DC |           | Speed (mm/s) with 29V DC |           |
|------|----------|------------------------|-------------------------|-----------|--------------------------|-----------|
|      | Push     |                        | No Load                 | With Load | No Load                  | With Load |
| E    | 1200     | 1200                   | 2.8                     | 6.0       | 23.0                     | 19.0      |

- Retracted length 590mm  
560mm (M)
- Stroke 650mm  
660mm (M)
- Outer profile 80\*60mm rectangular
- Stages 3-stage
- Output signals Hall sensors
- Voltage 24VDC
- Color<sup>3</sup>
 RAL9005
  RAL9006
  RAL9016
  RAL9022
- Product Weight 9kg /column

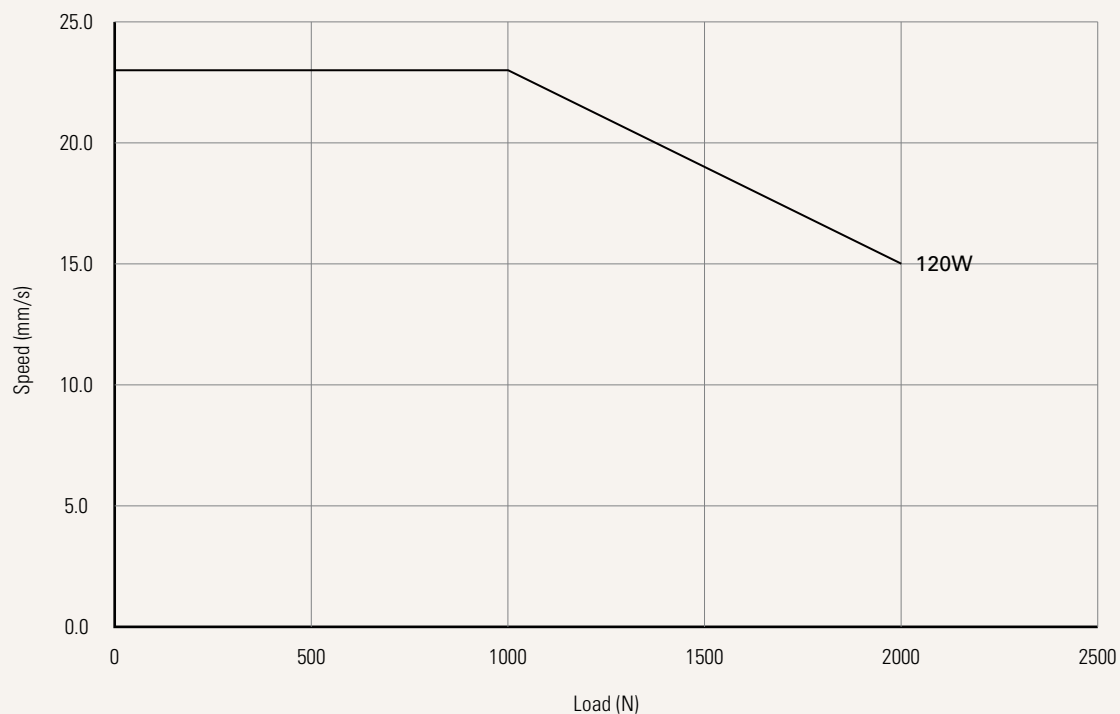
## Note

- <sup>1</sup> The self locking force, current, and speed performance are tested with TiMOTION control boxes.
- <sup>2</sup> The parameters are based on average test values; final specifications are subject to the approval drawings.
- <sup>3</sup> For more color options, please consult your sales representative.

## Performance Data with Control Box

The following is the performance data of two columns driven by an Ergo Motion control box TC15S. The load is evenly distributed on the work surface.<sup>4</sup>

- TL10H, two columns driven by TC15S



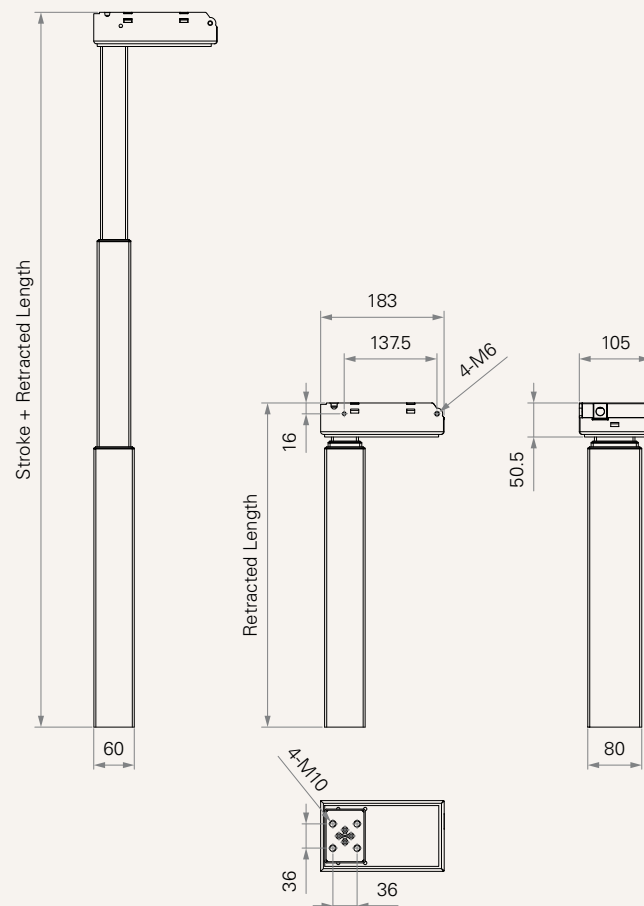
| TC15S Spec | Load (N) | Constant Speed (mm/s) with TC15S |
|------------|----------|----------------------------------|
| 120W       | 2000     | 23                               |

### Note

<sup>4</sup> The corresponding control box software is required.

## Drawing

Standard Dimensions  
(mm)



### Stroke & Retracted Length

| Options  | Stroke (mm) | Retracted Length (mm) |
|----------|-------------|-----------------------|
| Standard | 650         | 590                   |
| M        | 660         | 560                   |

TL10H

Version: 20240511-I

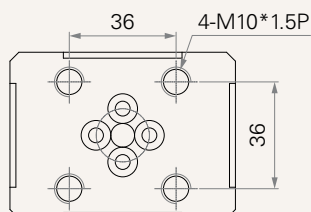
|                                |   |                            |  |                            |
|--------------------------------|---|----------------------------|--|----------------------------|
| Appearance of Motor House      | C = TiMOTION standard                                     |                            |  |                            |
| Voltage                        | 2 = 24VDC   |                            |  |                            |
| Load and Speed                 | <a href="#">See page 2</a>                                |                            |  |                            |
| Stroke & Retracted Length (mm) | <a href="#">See page 4</a>                                |                            |  |                            |
| 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 bracket | R = Right, Standard bracket                              |                            |
| <a href="#">See page 6</a>     |   |                            |  |                            |
| Bottom Plate Type (mm)         | 1 = M10, 36*36, TiMOTION standard                         |                            |  |                            |
| <a href="#">See page 6</a>     |   |                            |  |                            |
| Bottom Plate Height            | 1 = Standard  |                            |  |                            |
| Output Signals                 | 2 = Hall sensor * 2                                       |                            |  |                            |
| Connector                      | 1 = DIN 6P, 90° plug<br>E = Molex 8P, 180° 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.

## Bottom Plate Type (mm)

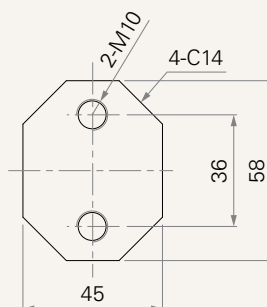
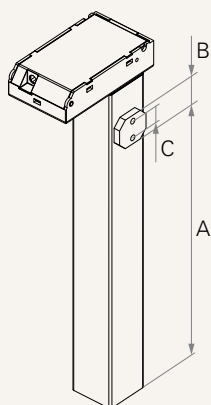
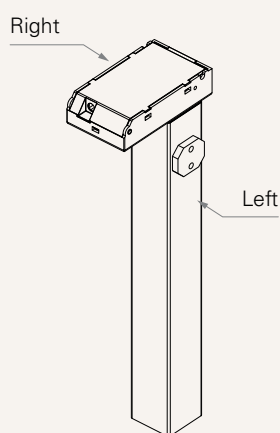
1 = M10, 36\*36, TiMOTION standard



## Bracket (Standard)

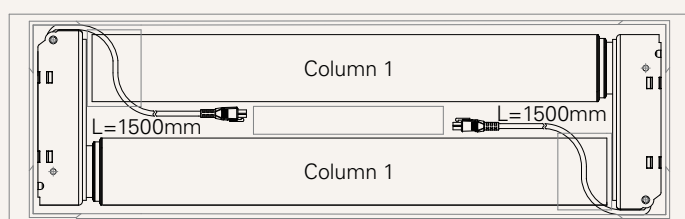
Direction

Dimension



## Package

Package of one TL part number

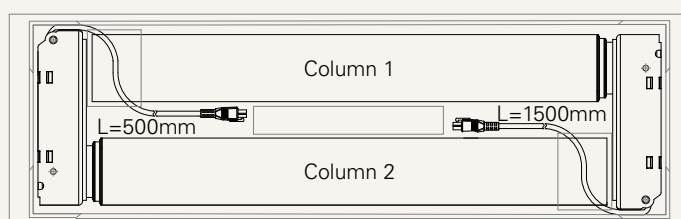


Column: 2pcs TL/box (Same PN& cable length)

Electronic control system: Without

Weight with package: 16KG

Package of two TL part numbers in pairs



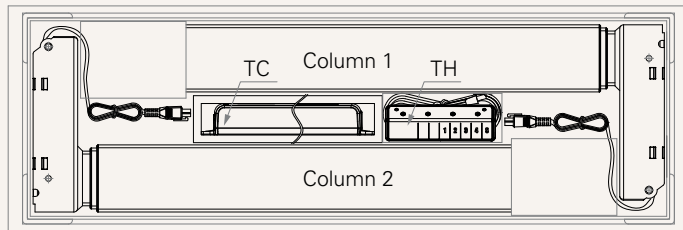
Column: 2pcs TL/box (Different PN, cable length, for pair use)

Electronic control system: Without

Weight with package: 16KG

## Package

Package of MP part number set-TL in pairs + electronic control system



Column: 2pcs TL/box (Different PN, cable length, for pair use)

Electronic control system: TC + TH

Weight with package: 17KG

## Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application. TiMOTION products are subject to change without prior notice.