

TL32SR

series



Product Segments

• Ergo Motion

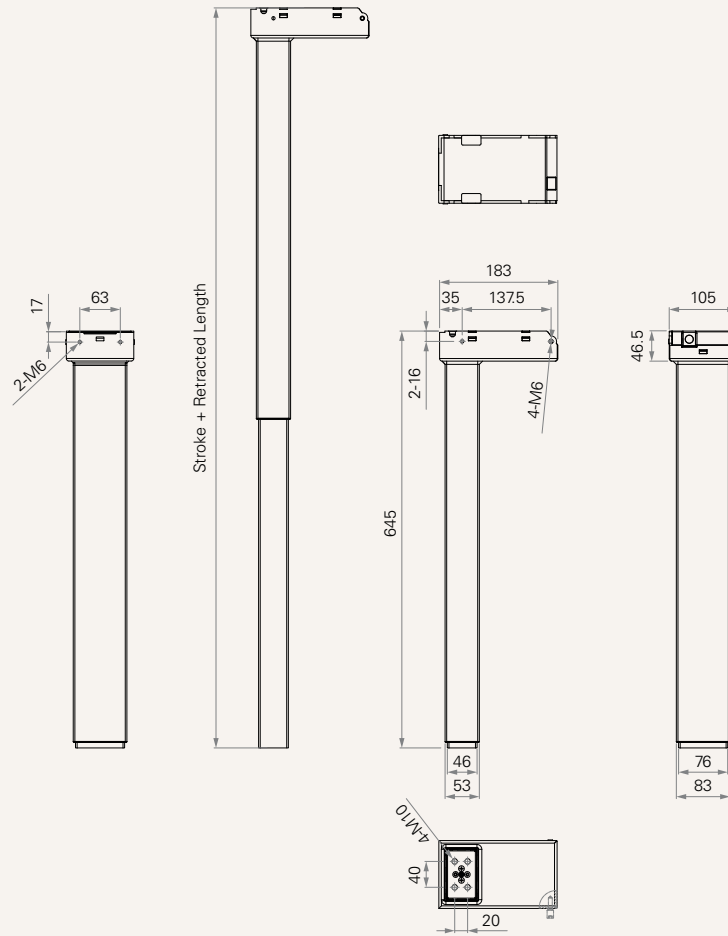
TiMOTION's TL32SR series lifting columns are specifically designed for use in ergonomic desks and work tables. Using multiple TL series lifting columns with compatible TC series control boxes and TH/TDH series controls, work surfaces can be controlled quietly and smoothly with synchronous movement. All Ergo Motion TC series control boxes have a less than 0.1W standby power option that reduces power consumption. Our wide range of columns offers customers the solutions they require to satisfy their project requirements. The TL32SR has a two stage telescopic outer tube that is designed for a wide-top, narrow-bottom rectangular appearance.

General Features

| | |
|-------------------------|---|
| Max. load | 600N (push) |
| Max. speed at max. load | 24mm/s |
| Max. speed at no load | 40mm/s |
| Retracted length | 645mm |
| Dimension of outer tube | 2 stage, 83*53mm rectangular, upside down |
| Stroke | 500mm |

Drawing

Standard Dimensions
(mm)



Load and Speed

| CODE | Load (N) | Self Locking Force (N) | Typical Current (A) | | Typical Speed (mm/s) | |
|---|----------|------------------------|---------------------|------------------|----------------------|------------------|
| | Push | | No Load 32V DC | With Load 24V DC | No Load 32V DC | With Load 24V DC |
| Motor Speed (5200RPM, short motor) | | | | | | |
| B | 600 | 900 | 2.0 | 4.2 | 40.0 | 24.0 |

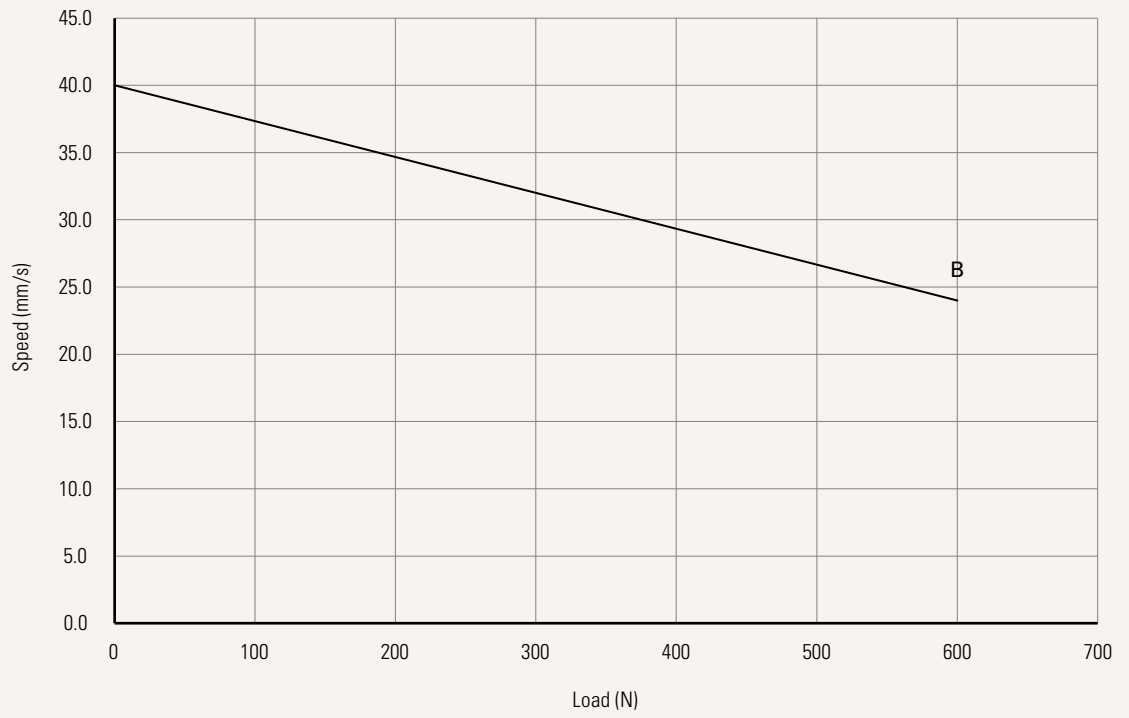
Note

- 1 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 2 Please refer to the approved drawing for the final authentic value.

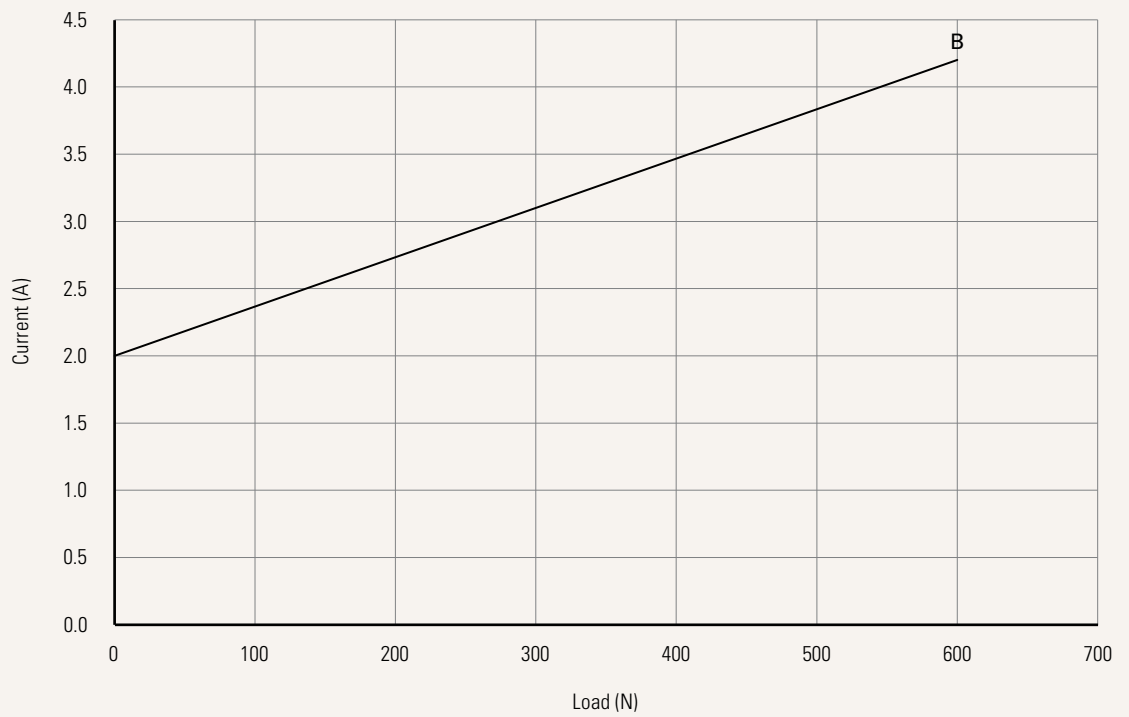
Performance Data (24V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



Current vs. Load



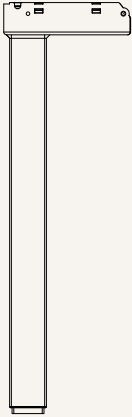
| | | | |
|---|---|---|--------------------|
| Appearance of Tubes | C = Without wiper fixing holes at sides | | |
| See page 5 | | | |
| Voltage | 2 = 24V DC | | |
| Load and Speed | See page 2 | | |
| Stroke & Retracted Length (mm) | See page 5 | | |
| Color | 1 = Black, RAL 9005, Black wiper 2 = Grey, RAL 9006, Black wiper 3 = White, RAL 9016, Black wiper 4 = Special grey, RAL 9022, Grey 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 | |
| Motor Housing Step | 0 = With | 1 = Without | |
| Output Signals | 2 = Hall sensor*2 | | |
| Plug | 1 = DIN 6P, 90° plug | E = Molex 8P, plug, standard | |
| Cable Length (mm) | 1 = Straight, 500 | 3 = Straight, 1000 | 4 = Straight, 1500 |
| Bracket | 0 = Without | | |

Note

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

Appearance of Tubes

C = Without wiper fixing holes at sides

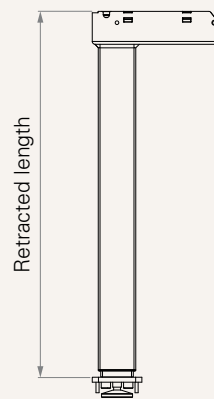


Stroke & Retracted Length (mm)

| Foot Assembly | Stroke & Retracted Length |
|---------------|---------------------------|
| | Standard |
| Standard | 500 / 645 |

Foot Assembly

Standard



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.