



# Lifting Column LC1 DESKLINE

## Data sheet

# LC1 DESKLINE

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The LC1 DESKLINE® is a three-part aluminium lifting column which is a perfect choice for height adjustment of high-load applications demanding strength and sturdiness. The three-part construction has a short installation dimension and a long stroke length which ensures ergonomic flexibility. The LC1 is the optimal choice for consoles, workstations, work benches, assembly desks, and office desks.

The LC1 outer profile has grooves in three sides, so a mounting bracket can be used for placement of, for example, a crossbar or a customised encapsulation. For easy mounting and simple system integration, an optional end-plates kit is available.

The LC1 system is controlled by a DESKLINE® control box (CBD). The control box ensures optimal parallel drive and a pleasantly low noise level. The LC1 can be used as a single column, with 2, 3 or 4 columns in parallel systems, or with up to 16 columns in multi-parallel systems. A Desk Sensor™ 1 anti-collision dongle can be plugged into the control box to limit material damage to the application or an object in case a collision occurs during driving of the application.



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## Features

- Load per column:
  - up to 2000 N (spindle pitch 10 mm)
  - up to 4000 N (spindle pitch 6 mm)
- Speed: Up to 30 mm/s with CBD6S
- Motor: 24 V DC
- Installation dimensions: 560 mm  
518 mm (BIFMA)
- Stroke length: 650 mm  
665 mm (BIFMA)
- Weight: Approximately 12.5 kg
- Bending moment: Max. 250 Nm dynamic
- Colour: Available in natural anodised aluminium with grey top frames and zinc-grey end plates
- Prepared for mounting bracket on three sides of the column
- Low noise level

## Accessories

- Black end plates kit
- Mounting bracket
- Cable lock and self-tapping screw
- Desk Sensor™ 1 anti-collision dongle

## Usage

- Single or 2, 3 or 4 parallel drive or even multi-parallel with up to 16 columns
- Duty cycle: max. 10 %  $\approx$  max. 2 minutes continuous use followed by 18 minutes pause
- For indoor use in dry locations
- Ambient temperature: 5 to 40 °C
- Storage and transport temperature: -40 to +70 °C
- Compatible and UL-approved with DESKLINE® control boxes (must be configured)
  - EN-approval pending
- Compatible with all DESKLINE® controls

## LC1 DESKLINE

Ordering example:

LIFTING COLUMN TYPE	LC1	
SPINDLE PITCH	100	060 = 6 mm (max. 4000 N) 100 = 10 mm (max. 2000 N)
STROKE LENGTH	650	650 = 650 mm 665 = 665 mm (BIFMA)
OPTION	T000	T000 = Standard
POSITIONING	0H	0H = Hall sensor
OUTER PROFILE	C	C = Standard DESKLINE (Outer profile prepared with dovetail grooves)
INSTALLATION DIMENSION	0560	560 = 560 mm 518 = 518 mm (BIFMA)
OPTION	0	0 = None
MOTOR TYPE	G	G = Standard DESKLINE motor
END STOP	0	0 = Power switch
IP DEGREE	4	4 = Standard DESKLINE
COLOUR	+	+ = Aluminium
END PLATE OPTIONS	E	E = Standard end plate for DESKLINE profiles
OPTION	0000	0000 = Standard

Selected item type **LC1100650T0000HC05600G04+E0000**



All cables for creating a fully connected DESKLINE® system must be ordered separately. We offer a range of different versions and lengths. To get information as ordering number, colour and length of the cables, please contact your local LINAK.

## Accessories

### Kits

Remember to order cable-lock, mounting-plate, and mounting-bracket kits separately:

Article number	Contents	Purpose	Order quantities
1053W8011	1 x Mini-Fit cable lock 1 x self-tapping screw, Ø4 x 10 mm	Securing the adaptor cable	Boxes of 100 pieces
1053W8012	1 x top end plate (14 mm) 1 x bottom end plate (10 mm) 8 x screw, Ø8 x 40 mm	Mounting the top and bottom end plates Torque: 20 Nm ± 10 %	Packed individually - no minimum quantity
0578006	1 x mounting bracket 2 x screws, M8 x 12 mm	Mounting a bracket in the groove	Boxes of 60 pieces

### Mounting screws

It is possible to use the customers' own top and bottom end plates.

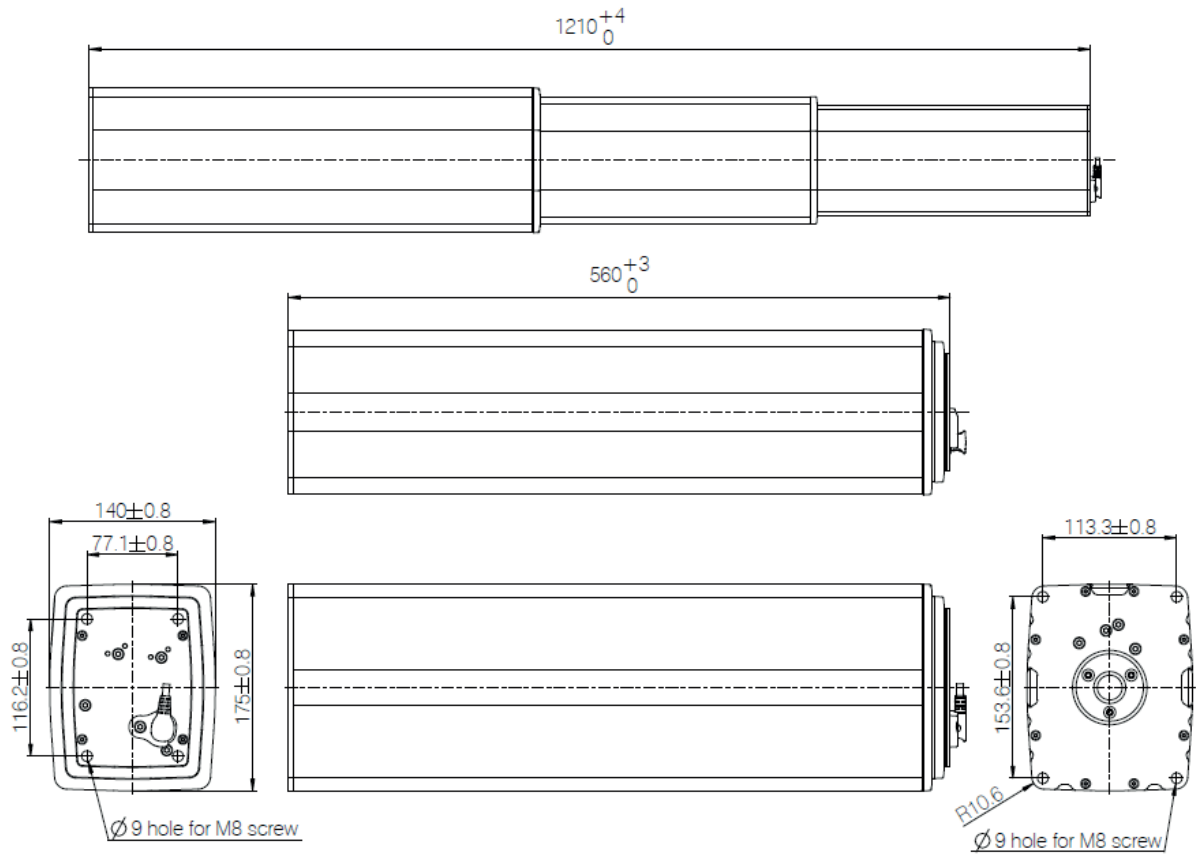
Please note: The screws must go minimum 30 mm into the LC1 column.

For mounting customised top and bottom end plates, two LINAK mounting screws are available:

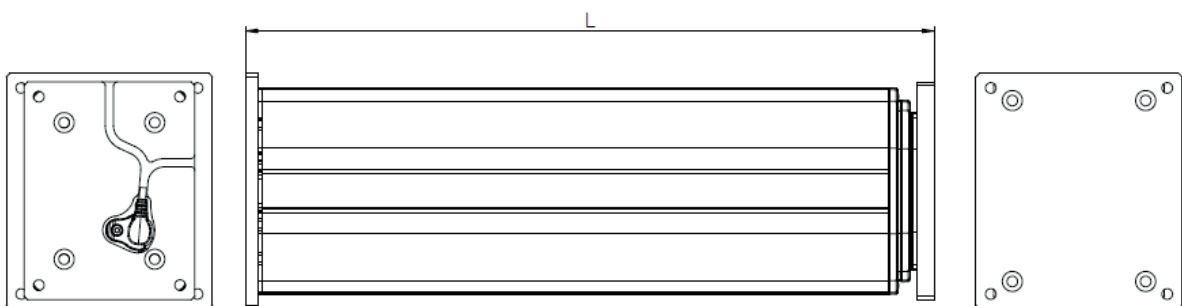
Article number	Description
0002445	Ø8 x 40 mm, self-tapping screw, EJOT PT
1000208	Ø8 x 60 mm, self-tapping screw, EJOT PT

## Dimension drawings

LC1 DESKLINE



LC1 without end plates dimensions (mm)



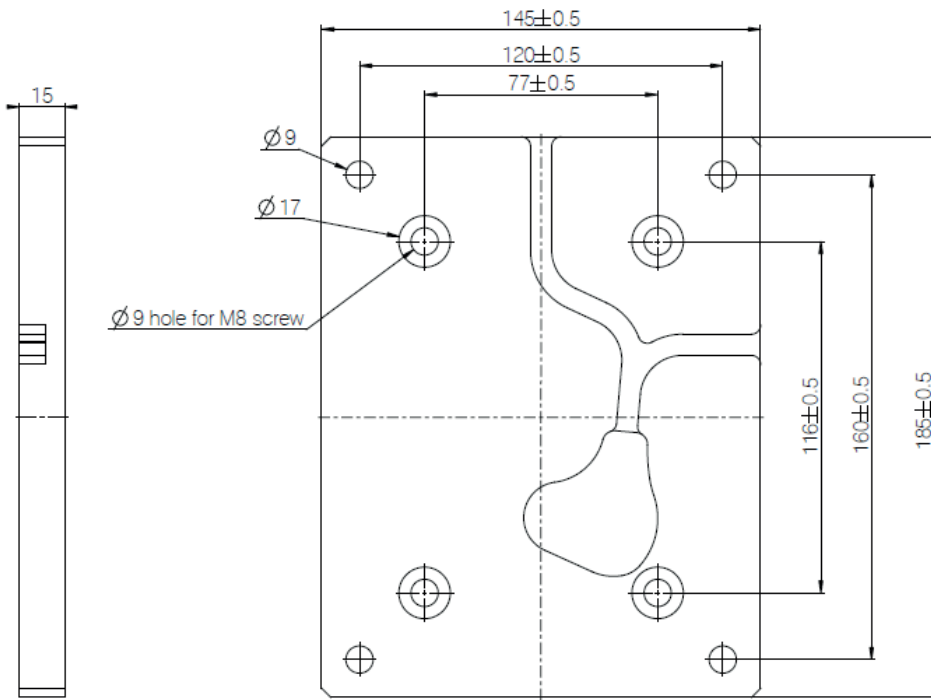
Version	L [mm]
EU	584
BIFMA	542

LC1 dimensions with 14 mm top end plate and 10 mm bottom end plate (mm)

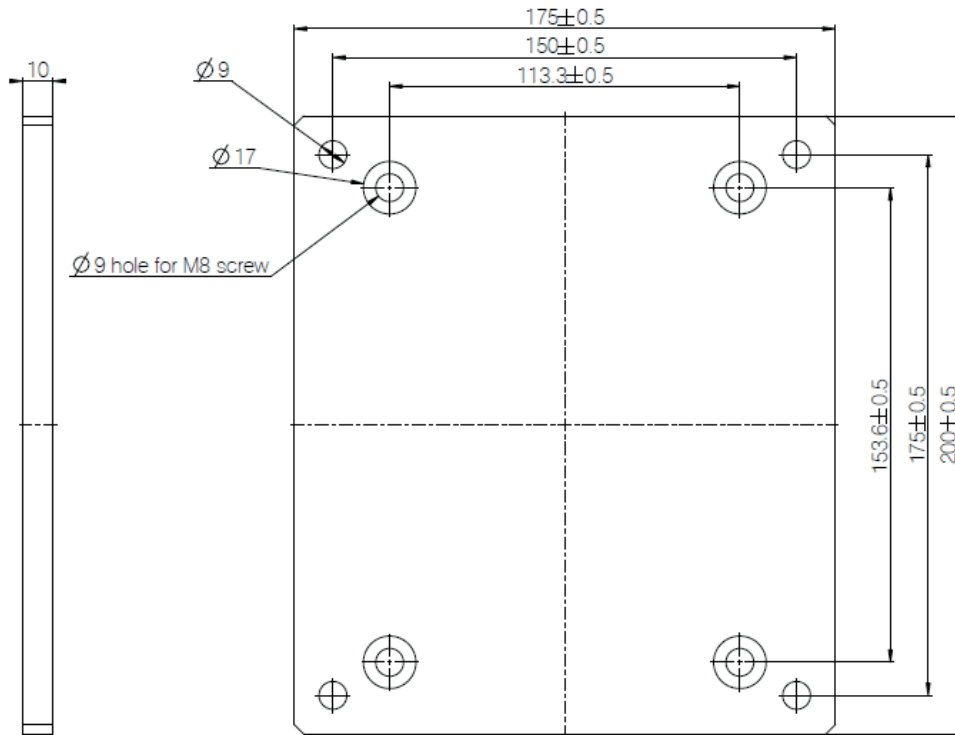
End plates



All measurements are without powder coating



Top end plate dimensions (mm)



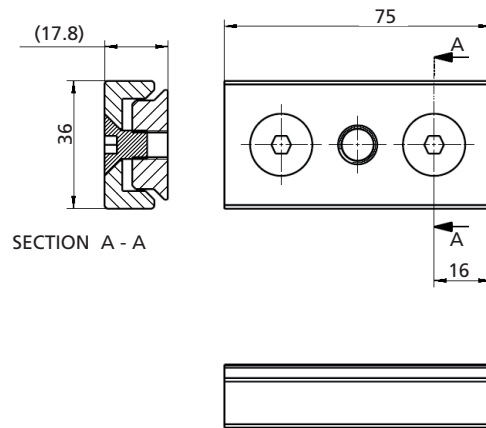
Bottom end plate dimensions (mm)



A customised top end plate must cover the entire top plate of LC1 and be strong enough to carry the load.

### Mounting bracket

The mounting bracket can for example be used for placement of a crossbar, a customised cover for encapsulation, a control box, or a computer.  
The mounting bracket order code is: 0578006.



Drawing no.: 0578006

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