

LC1 DESKLINE

Data Sheet





The LC1 DESKLINE is a three-part aluminium lifting column which is an ideal choice for adjusting the height of high-load applications that demand 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, industrial 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.

Features/Accessories/Usage

Features

- Three-part lifting column
- In combination with CBD6S:

Parameter	Spindle pitch 10 mm	Spindle pitch 6 mm
Max. speed (unloaded)	30 mm/s	19 mm/s
Max. load per column	2500 N	4000 N

- Motor: 24 V DC
- Installation dimensions: 560 mm
518 mm (BIFMA)
- Stroke length: 650 mm
665 mm (BIFMA)
- Weight: Approximately 12.5 kg
- Dimensions: 140 x 175 mm (see also [Dimension drawings](#))
- 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 (see [Dimension drawings](#) and [Mounting bracket](#))
- 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

Parameter	Operation	Storage and transportation
Temperature	10 to 40 °C	-10 to +50 °C
Relative humidity	20% to 80% - non-condensing	20% to 80% - non-condensing
Atmospheric pressure	700 to 1060 hPa	700 to 1060 hPa
Altitude	Max. 2000 m	Max. 2000 m

- System compliance, see the Declaration of Conformity in the [User Manual](#)
- Compatible and UL-approved with DESKLINE® control boxes (must be configured)
- Compatible with all DESKLINE® controls

Ordering

	LC1	
SPINDLE PITCH	100	060 = 6 mm (max. 4000 N) 100 = 10 mm (max. 2500 N)
STROKE LENGTH	650	650 = 650 mm 665 = 665 mm (BIFMA)
OPTION	T000	T000 = Standard
POSITIONING	1H	1H = Hall sensor
OUTER PROFILE	C	C = Standard DESKLINE (Outer profile prepared with dovetail grooves)
INSTALLATION DIMENSION	0560	0560 = 560 mm 0518 = 518 mm (BIFMA)
OPTION	0	0 = None
MOTOR TYPE	G	G = Standard DESKLINE motor
END STOP	0	0 = Power switch
IP DEGREE	6	6 = IPX6
CLOUR	+	+ = Aluminium
END PLATE OPTIONS	E	E = Standard end plate for DESKLINE profiles
OPTION	0000	0000 = Standard

Selected item type LC1100650T0001HC05600G06+E0000



For use with CBD6S, remember to order the adaptor cable CAB0964764 for the LC1.



All cables for creating a fully connected DESKLINE® system must be ordered separately. We offer a range of different versions and lengths. For information such as ordering number, colour and cable lengths, 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
0002085	Ø8 x 60 mm, self-tapping screw, EJOT PT

Dimension drawings

LC1 DESKLINE

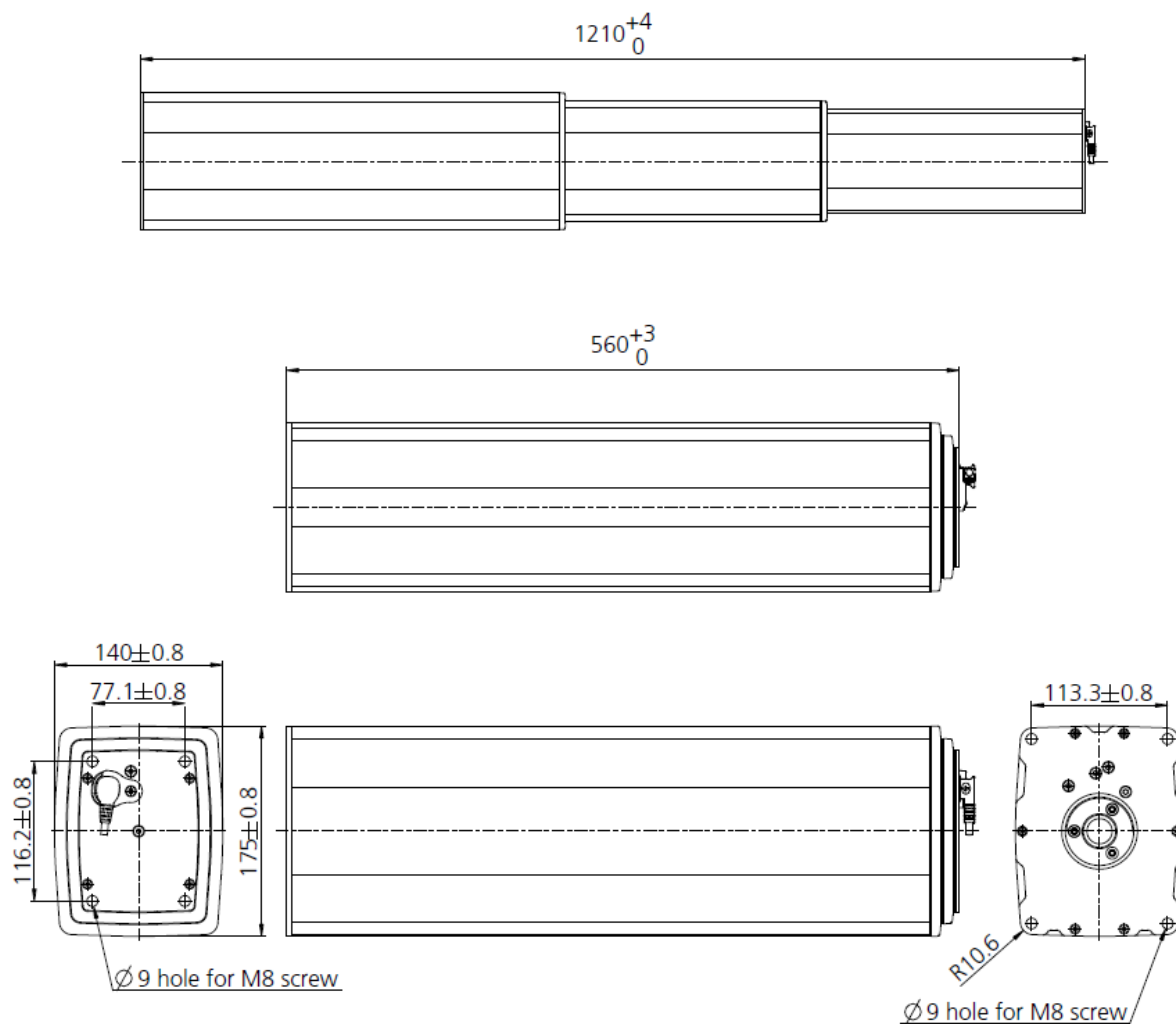
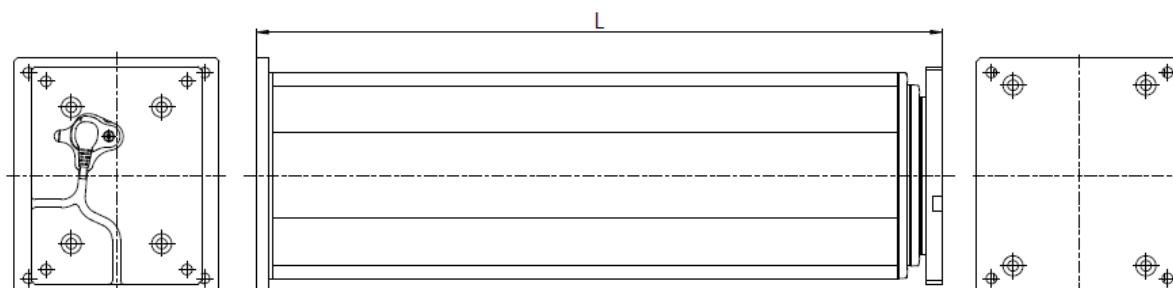


Figure 1 LC1 without end plates dimensions (mm)



Version	L [mm]
EU	584
BIFMA	542

Figure 2 LC1 dimensions with 14 mm top end plate and 10 mm bottom end plate (mm)

End plates



All measurements are without powder coating.

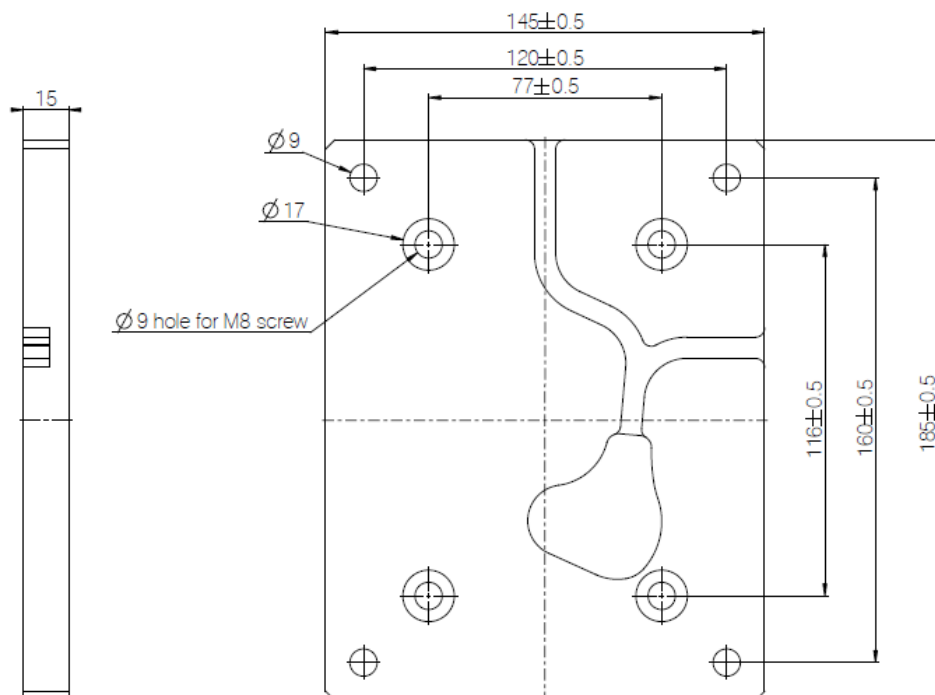


Figure 3 Top end plate dimensions (mm)

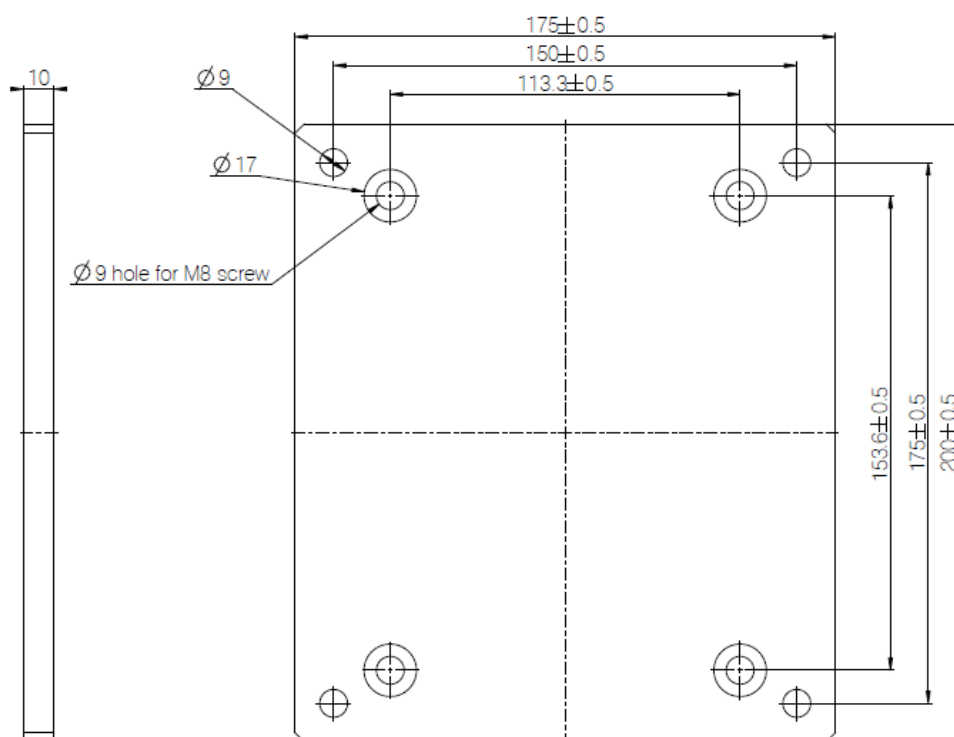


Figure 4 Bottom end plate dimensions (mm)

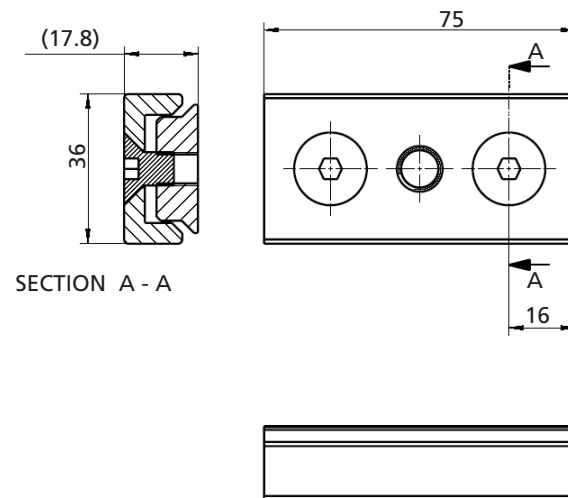


A customised top end plate must cover the entire top plate of LC1 and be strong enough to carry the load.

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.



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