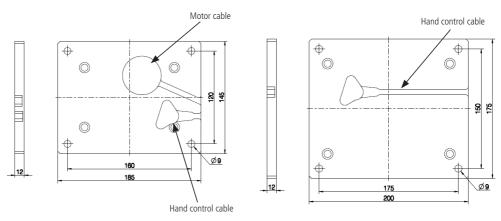
BL1 end plate kit with cable through:

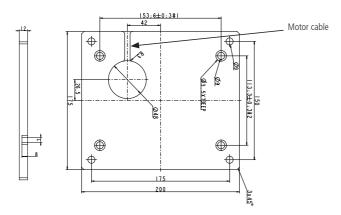
Top plate dimensions:

Bottom plate dimensions:



Please notice the thickness of the bottom plate is 12 mm. The thickness of the bottom plate without connections is 10 mm.

Bottom plate dimensions:

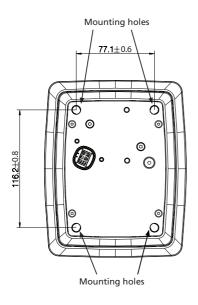


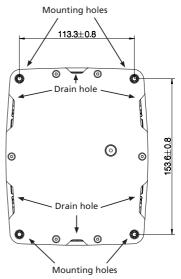
Drawing no.: 0801263-A



BL1 Mounting guidelines:

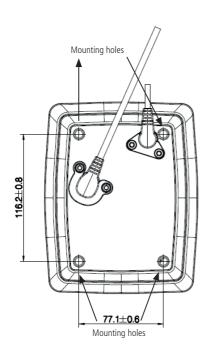
- BL1 is for use in push applications, and can be mounted in both directions (smallest profile down, or up).
 Note: The cable outlet can be positioned at the top (smallest profile). If the option with integrated cable is chosen, the cable outlet can also be positioned at the bottom (biggest profile).
- It is very simple to mount the BL1 in the application using the 4 mounting holes in both endplates.
- Use 4 self-tapping screws, in each end, for mounting to the application. Use EJOT PT type DG Ø8, screw depth must be min. 30 mm in aluminium profile. Screw torque: 15 - 17 Nm.
- If the column has been loosened from the application, it is very important that the self-tapping screws are mounted in the same thread, to ensure
 the same strength in the thread. Therefore we recommend that the screws are loosened no more than 1 or 2 times.

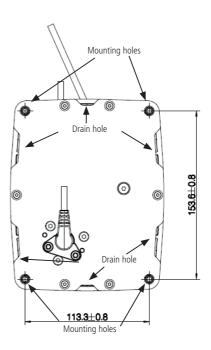




Drawing no.: 0807000-1

Mounting of BL1 with cable through:





Drawing no.: 0807001-1



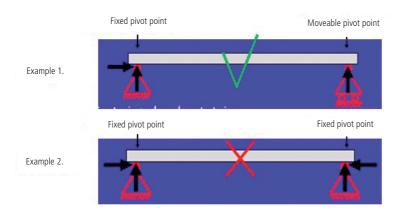
Recommendations

- The mounting plate in the application must cover the entire top plate of the BL1 and be strong enough to carry the load.
- Remember to secure the cable mounted in the top of the column to the application, so that it cannot be pulled out of the column. We recommend to use LINAK Cable:
 - Lock kit for BL1 with motor cable: 0808040
 - Lock kit for BL1 with hand control cable through: 0808046

Use only the screws included in the kit.

- For motor cable mounted at the top, use the long screw with the coarse thread.
 Screw torque 1.7 Nm.
- For motor cable mounted at the bottom and for cable through, use the short screw with the fine thread. Screw torque 2.7 Nm.
- Electro Static Discharges!
 - There is no electrical connection through the length of the BL1 column. Therefore, to avoid ESD issues, consider external potential alignment between the top and bottom of the bed frame.
 - To connect for further earth wiring in the application, use an appropriate ø8 mm cable shoe under one of the 8 mm screws at both the top plate and the bottom plate.
- Remember to mount the blind plugs in the top plate if the motor cable is connected from the bottom plate to ensure the IPX6 protection.

When mounting more than one BL1 you need to consider the fixation:

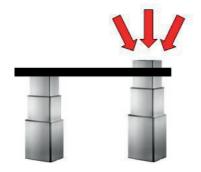


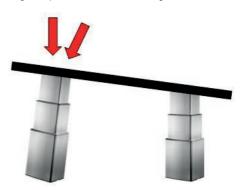
The reason why it is important only to fix one column, is that the columns will not move exactly in parallel — even if you have positioning such as hall.

If more than one column is fixed it can lead to dangerous situations.

If you have a trend/anti-trend function in your application, you need to mount one or more BL1s with a slider.

Having sliders prevents the column from bending as illustrated below.





2. LC3 (MEDLINE® CARELINE®)

Designed in Denmark DK - 6430 Nordborg

LC3100400T0000M0320G114-000

: J90315 Prod. Date : 2018.07.03

Max Load : Push 4000 N IPX4 Power Rate: 24 V=, Max. 13.8 A Duty Cycle: 10%, Max. 2 min. / 18 min.

NOT TO BE OPENED BY UNAUTHORIZED PERSONNEL NE PAS OUVRIR PAR DU PERSONNEL NON AUTORISE

W/O# - 0001



The LC3 2-stage and 3-stage set the standard for vertical lifting columns to high-end medical applications. This compact lifting column fulfils the market requirements for a solid and stable lifting column.

Usage:

Duty cycle: 10%, 2 minutes continuous use followed by 18 minutes not in use

Operation temperature: +5 °C to +40 °C Storage temperature: -40 °C to + 70 °C

Compatible with LINAK control boxes. Compatibility:

Please contact LINAK.

Relative humidity: 20% to 80% - non-condensing

700 to 1060 hPa Atmospheric pressure: Max. 3000 meters Meters above sea level: IEC 60601-1 Approvals:

> IEC 60601-1-6 ANSI/AAMI ES60601-1 CAN/CSA-C22 2 No. 60601-1

LC3 mounting guidelines

LC3 is for use in push or pull applications and can be mounted in both directions – largest profile down or largest profile up. LC3 must be specified for specific mounting direction.

Mounting direction according to item number nomenclature.



IPX6 is only available when LC3 is mounted with the largest profile up.

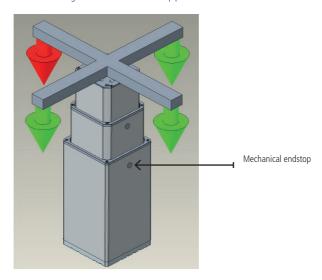
IPX6 is only applicable when the LC3 column is fully retracted.

Note: The cable outlet for motor connection can be positioned at the top (smallest profile) or from the side of the column.

LC3 mounting guidelines

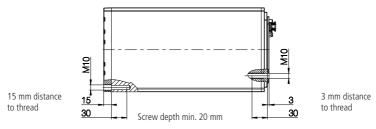
If you want to use the column with a high off-center load, we recommend that you install the weight in one of the 3 ways illustrated by the green symbols. It is not recommended to install the weight on the opposite side of the mechanical endstop as illustrated with the red symbol.

This installation can create an uneven movement when the lifting column reaches the endstop position.

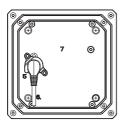


Use 4 pcs. M10 8.8 screws, in each end, for mounting to the application. The screw depth must be min. 20 mm and max. 30 mm in aluminum profile. Screw torque: 35 Nm.

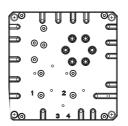
LC3 3-Stage



Mounting holes, top



Mounting holes, bottom

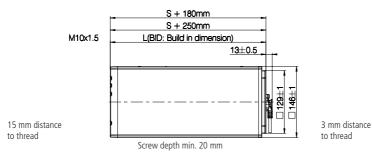


Drawing no.: 1002W9005

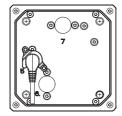
Use 4 pcs. M10 8.8 screws, in each end, for mounting to the application. The screw depth must be min. 20 mm and max. 30 mm in aluminum profile.

Screw torque: 35 Nm.

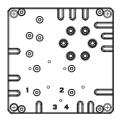
LC3 2-Stage



Mounting holes, top



Mounting holes, bottom



Drawing no.: 1002W9008

Notice that the cable plug must be mounted correctly. The cable slot must fit into the socket.

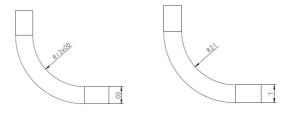


Remember to secure the cable mounted in the top of the column to the application, so that it cannot be pulled out of the column. We recommend to use LINAK Cable:

- Lock kit for minifit cable: 1002W8136-A.
- Lock kit for hand control cable through: 1002W8137-A

Use only the screws included in the kit. Screw torque: 2 Nm

The cables coming out of the side of the column should follow below guidelines. The internal radius should not be more than 3 times the outer dimension – OD - of the cable. For instance if the outer cable dimension is Ø7, the internal radius of the maximum cable bending is 21 mm.





- LC3 3-stage protective grounding cable
 LC3 has potential equalization between top and bottom plate h
- LC3 has potential equalization between top and bottom plate but the middle profile is not grounded.



- It is recommended to use screws with thread-lock adhesive
- Screws of high quality steel 8.8 or 10.9 must be used to secure safe mounting of the LC3 to the application.

Cable connections overview

3-stage is used as examples but variants are also applicable for 2-stage. This overview shows all possible cable connections, but please notice that some variants are upon request.

Variant	Top plate Drawing no:1002W9005	Side entry Drawing no.:1002W9005	Model view
T000	7 5: Motor		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
T001	6/	© 00	
	7 0		
Connections	5: Motor		Including protective grounding cable
T100 Connections	5: Motor 6: Minifit through	3: Minifit through	The state of the s
T200			
	7 @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @		
Connections	5: Motor 6: HB through	→3: HB through	

Page 87 of 264

