# Kick & Click™ **User manual**



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# Preface

## Dear User,

We are delighted that you have chosen a product from LINAK<sup>®</sup>. LINAK systems are high-tech products based on many years of experience in the manufacture and development of actuators, electric control boxes, controls and chargers.

This User Manual does not address the end-user. It is intended as a source of information for the manufacturer of the equipment or system only, and it will tell you how to install, use and maintain your LINAK electronics. It is the responsibility of the manufacturer of the end-user product to provide a User Manual where relevant safety information from this manual is passed on to the end-user.

We are sure that your LINAK product/system will give you many years of problem-free operation. Before our products leave the factory, they undergo full function and quality testing. Should you nevertheless experience problems with your LINAK product/system, you are always welcome to contact your local contact. LINAK subsidiaries and some distributors situated all over the world have authorised service centres, which are always ready to help you.

LINAK provides a limited warranty on its products. This warranty is, however, subject to correct use in accordance with the specifications, maintenance being done correctly, and any repairs being carried out at a service centre, which is authorised to repair LINAK products. Changes in installation and use of LINAK products/ systems can affect their operation and durability. The products are not to be opened by unauthorised personnel. You can review the full terms of the LINAK warranty on the LINAK website *www.linak.com/warranty.* 

The User Manual has been written based on our present technical knowledge. We are constantly working on updating the information and we therefore reserve the right to carry out technical modifications.

## LINAK A/S

# Important information

Important information on  $\mathsf{LINAK}^{\circledast}$  products can be found under the following headings:



# Warning!

Failure to comply with these instructions may result in accidents involving serious personal injury.



Failing to follow these instructions can result in the product being damaged or being destroyed.

# Safety instruction



# General

Safe use of the system is possible only when the operating instructions are read completely and the instructions contained are strictly observed.

Failure to comply with instructions marked with the "NOTE" symbol may result in serious damage to the system or one of its components.



It is important for everyone who is to connect, install, or use the systems to have the necessary information and access to this User Manual. Follow the instructions for mounting – there is a risk of injury if these instructions are not followed.



The appliance is not intended for use by young children or infirm persons without supervision.



If there is visible damage to the product, do not install it.



Please note that during construction of applications in which the actuator is to be fitted, there must be no possibility of personal injury, for example squeezing of fingers or arms.



Assure free space for movement of the application in both directions to avoid blockades.

# Before installation, re-installation, or troubleshooting:

- Stop the columns.
- Switch off the power supply and pull out the mains plug.
- Relieve the columns of any loads, which may be released during the work.

# Before start-up:

- Make sure that the system has been installed as instructed in this User Manual. Describing the motor system.
- Make sure that the voltage of the control box is correct before connecting the system to the mains.
- System connection. The individual parts must be connected before connecting the control box to the mains. See the User Manual for LINAK actuators, if necessary.

# **During operation**

- If the control box makes unusual noise or smells, switch off the mains voltage immediately.
- Duty Cycle: 10%, Max. 2 min./18 min. pause
- Take care that the cables are not damaged.
- Unplug the mains cable on mobile equipment before moving it.
- The products must only be used in an environment, that corresponds to their IP protection.

# Misc.

For further information, installation guidelines etc. for the motor system, please see the relevant user manual: www.linak.com/deskline.

Updated manuals and declarations can always be found here: www.linak.com/deskline.

# **Only for EU markets**



This appliance can be used by children aged from aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.



Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

# **Only for Non EU markets**



Persons who do not have the necessary experience or knowledge of the product/products must not use the product/products. Besides, persons with reduced physical, sensory or mental abilities must not use the product/ products, unless they are under surveillance or they have been thoroughly instructed in the use of the apparatus by a person who is responsible for the safety of these persons.



Moreover, children must be under surveillance to ensure that they do not play with the product.



It is the operator's responsibility to ensure that there is free space for the n application to move without risk for the operator or bystanders before operating the application.

# Misuse



Do not overload the actuators - this can cause danger of personal injury and damage to the system.



Do not use the actuator system for lifting persons. Do not sit or stand on a Lable while operating – risk of personal injury.



Do not use the system in environments other than the intended indoor use

# Repairs

In order to avoid the risk of malfunction, all DESKLINE<sup>®</sup> repairs must only be carried out by authorised LINAK service centres or repairers, as special tools must be used and special gaskets must be fitted. Products under warranty must also be returned to authorised LINAK service centres.

Further information on DESKLINE warranty can be found on the LINAK website www.linak.com/warranty.



# Warning!

If any of the DESKLINE® products are opened, there will be a risk of subsequent malfunction.



## Warning!

The DESKLINE® systems do not withstand cutting oil.

### DECLARATION OF INCORPORATION OF PARTLY COMPLETED MACHINERY

LINAK A/S Smedevænget 8 DK - 6430 Nordborg

Herewith declares that LINAK DESKLINE® products as characterized by the following models and types:

Control Boxes	CBD6S
Linear Actuators	DB5, DB6, DB7, DB9, DB12, DB14, DB16, LA23, LA31
Lifting Columns	DL1A, DL2, DL4S, DL5, DL6, DL7, DL8, DL9, DL10, DL11, DL12, DL14, DL15,
	DL16, DL17, DL19, BASE1
Desk Panels	DPA, DPB, DPH, DPF, DPG1K, DPG1M, DPG1B, DPG1C, DPT, DP1, DP1CS,
	DP1K, DP1V, DP1U
RF Controls	HB10RF, HB20RF, RFT, RFRL
Accessories	BA001, SLS, Kick & Click

comply with the following parts of the Machinery Directive 2006/42/EC, ANNEX I, Essential health and safety requirements relating to the design and construction of machinery:

1.5.1 Electricity supply

The relevant technical documentation is compiled in accordance with part B of Annex VII and that this documentation or part hereof will be transmitted by post or electronically to a reasoned request by the national authorities.

This partly completed machinery must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of the Machinery Directive 2006/42/EC where appropriate.

Nordborg, 2017-12-08

John Eling

LINAK A/S John Kling, B.Sc.E.E. Certification and Regulatory Affairs Authorized to compile the relevant technical documentation

# Misc. on the DESKLINE® system

This system is a DESKLINE system developed for desks and for indoor use in offices. Do not use it in industrial kitchens or in other environments that have to be cleaned with aggressive detergents.

## Warranty

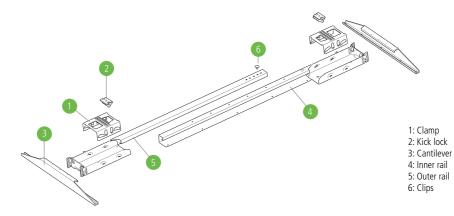
This DESKLINE product is subject to warranty pursuant to the terms of LINAK DESKLINE Warranty Paper, available on the LINAK website *www.linak.com/warranty*.

## Maintenance

Clean dust and dirt off the outside of the system at appropriate intervals and inspect them for damage and breaks. Inspect the connections, cables, and plugs and check for correct functioning as well as fixing points.

# Description of the DESKLINE<sup>®</sup> Kick & Click<sup>™</sup> system

The Kick & Click<sup>™</sup> system is the smart and intuitive solution for mounting DESKLIFT<sup>™</sup> columns to the tabletop. The solution is perfect for various office desks. The unique feature of Kick & Click is the way of mounting. Click the system together without using tools and screws, simply clever. Kick & Click is a modular concept compatible with all DESKLINE<sup>®</sup> columns with motor housing leaving the design to the desk manufacturer. Kick & Click comes standard in 3 versions: Kick & Click Adjustable, Kick & Click Fixed and Kick & Click Base. Additionally, Kick & Click can be used for creating large three-legged office desks by joining a Kick & Click 3rd leg kit with a Kick & Click system.



Kick & Click™: names of the different parts

## Features for all versions:

- Colours (all metal parts): Black (RAL 9005), grey (RAL 9006) or white (RAL 9016)
- Cantilever length: 550 mm
- Oval holes ensure flexibility as regards predrilling holes in tabletop
- Central or off-centre placement of columns (T-desk and C-desk)

## Kick & Click<sup>™</sup> Adjustable:

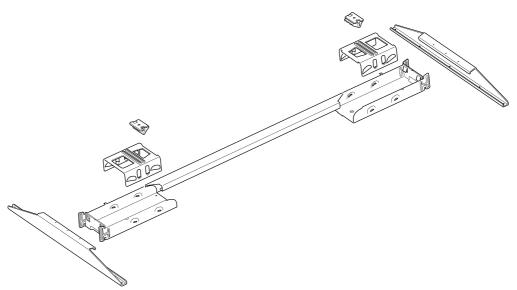
- Fits desks from 1400 to 2000 mm (frame width 1340 to 1940 mm)
- Set-packed or bulk deliveries
- Optional to order screws for mounting the tabletop

## Kick & Click<sup>™</sup> fixed:

- Fits desks of 1200 mm (frame width 1140 mm)
- Set-packed or bulk deliveries
- Optional to order screws for mounting the tabletop

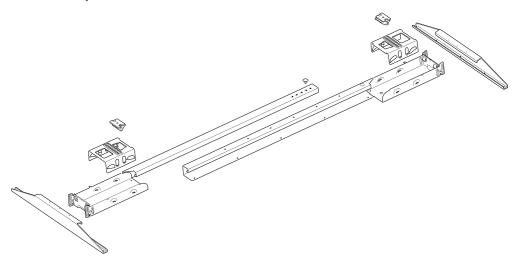
### Kick & Click<sup>™</sup> Base:

- Base consists of Cantilever (x2), Base (x2), Clamp (x2) and Kick Lock (x2) for a two-legged desk
- Bulk deliveries only

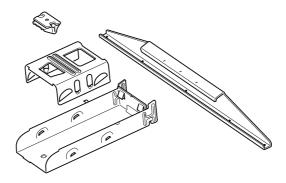


Compared to the Adjustable system the Fixed system only consists of one rail which is welded onto the base in both ends.

# Kick & Click<sup>™</sup> Adjustable

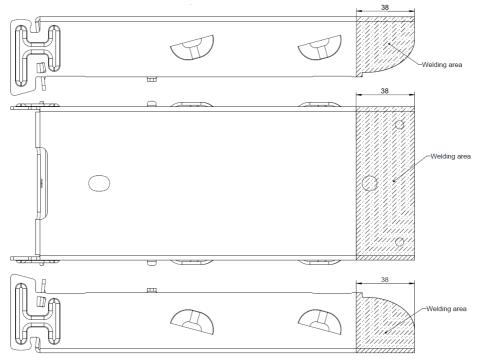


The Adjustable system includes a telescopic inner and outer rail onto which the base is welded.



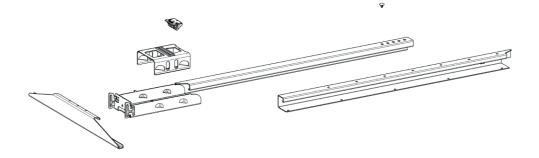
The Base system is without the inner and the outer rail. The system is preferred if the OEM want to weld his own rail onto the Base, or if the desk design does not need a rail e.g. due to tabletop thickness. The Base system could also be used for a 3 leg desk.

The allowed welding area (shaded) on the base is shown here:





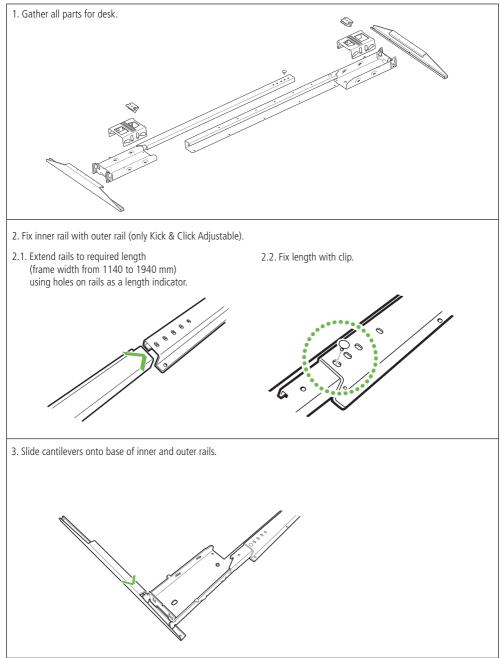
The Kick & Click base must only be used in connection with a Kick & Click cantilever. Do not develop your own cantilever!

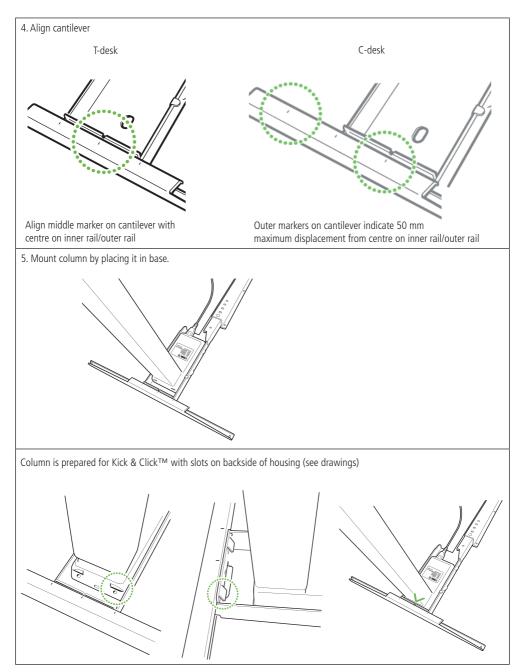


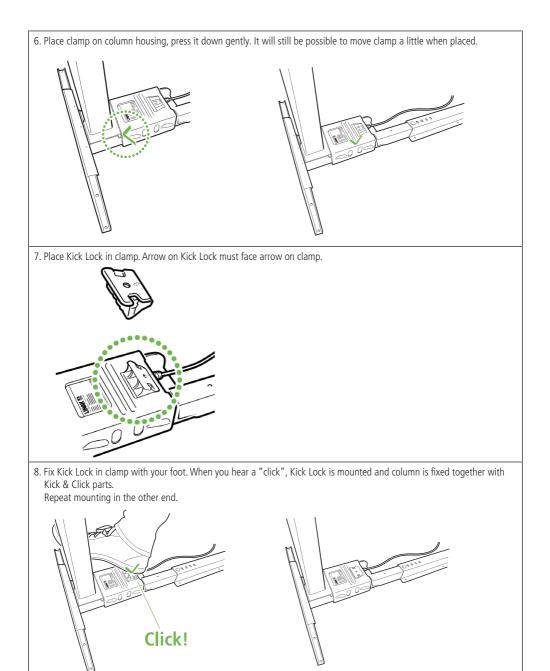
The 3<sup>rd</sup> leg kit system includes a telescopic inner and outer rail with a base welded onto the outer rail.

# Mounting guidelines for the Kick & Click<sup>™</sup> system

Kick & Click Adjustable

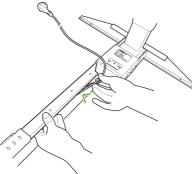






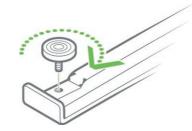


- 10. Place assembled Kick & Click in preferred position.
- 11. Mark and predrill holes in tabletop, if not done yet.
- 12. Fasten Kick & Click to tabletop with screws (in inner/outer rails and cantilevers).
- 13. Mount and connect electronics.
- 14. Hide cables. Rails are designed so cables from columns and control box can be hidden inside rail.



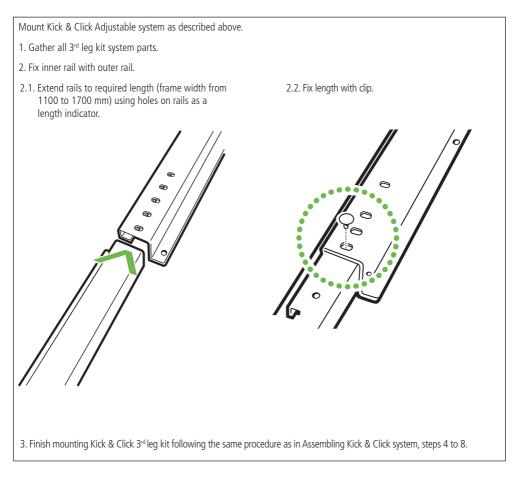
15. Mount feet on columns using supplied screws. Max. torque:10 Nm.





# Assembling a three-legged desk

The  $3^{rd}$  leg kit has only one base which is welded onto the outer rail.



# **Mounting tabletop**

The oval holes in the inner and outer rails and in the cantilevers of the Kick & Click system facilitate mounting of tabletops with predrilled holes.



## Old Kick & Click versions with circular holes

Do  $\underline{\textbf{not}}$  predrill holes for all the parts.

The combination of hole tolerances on each part, e.g. cantilever and rail, will cause uncertainty about the overall tolerances on the assembled Kick Click system. Therefore, we recommend drilling the holes when the assembled frame is mounted to the tabletop.

Exceptions:

- Fixing the Kick & Click Adjustable to a tabletop With a Kick & Click Adjustable system, a customer can predrill the holes for the cantilevers to fix the system to the tabletop. This can be done because the rails are adjustable. The hole size is  $5.3 \pm 0.2$  mm and the tolerances on the distance between the holes are  $\pm 0.2$  mm.
- Fixing the Kick & Click Fixed to a tabletop With a Kick & Click Fixed system, a customer can predrill the holes for the rail to fix the system to the tabletop. The hole size is  $5.3 \pm 0.2$  mm and the tolerances on the distance between the holes are  $\pm 0.5$  mm.



Max. distance from centre of base to edge of tabletop: 550 mm Max. distance from centre of base to centre of cantilever: 50 mm

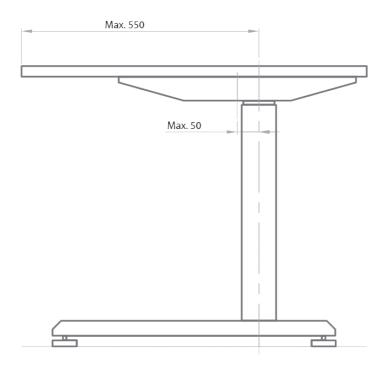
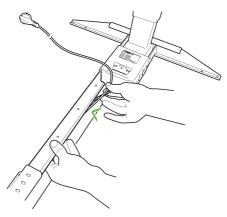


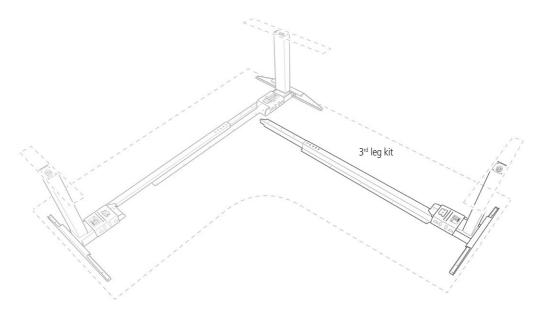
Figure 9 Kick & Click tabletop alignment measurements in mm

- 1. Turn tabletop upside down.
- 2. Place assembled Kick & Click in preferred position.
- 3. Mark and predrill holes in tabletop, if not done yet.
- 4. Fasten Kick & Click to tabletop with screws (in inner/outer rails and cantilevers).
- 5. Mount and connect electronics.
- 6. Hide cables. Rails are designed so cables from columns and control box can be hidden inside rail.



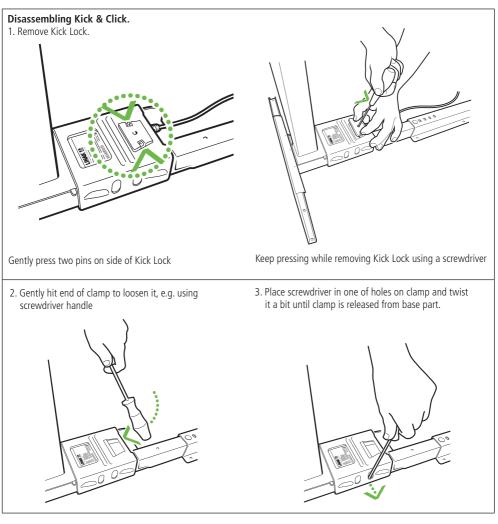
7. Mount feet.

## Example of Kick & Click three-legged desk



# Disassembly

A disassembling instruction video is available *here*.



- 4. Remove clamp.
- 5. Disassemble rest of system.

# Accessories

## Ordering accessories

Order from your nearest LINAK® contact, distributor or subsidiary.

## Accessories

Please contact your nearest LINAK® contact, distributor or subsidiary.



# Warning!

By unauthorised opening of the system there is a risk that it may malfunction at a later date.

## Spare parts

Please contact your nearest LINAK contact for information on spare parts.

# **Disposal of LINAK product**

As LINAK's customers often ask us how our products can be disposed or scrapped we have prepared this guide that enables a classification to different waste fractions for recycling or combustion.

## Guide

We recommend our products to be disassembled as much as possible and divided into different waste groups for recycling or combustion.

For example, waste can be sorted into metals, plastics, cable scrap, combustible material, and recoverable resources.

Some of these main groups can be further divided into subgroups; e.g. metal can be divided into steel/aluminium/copper and plastic can be divided into ABS/PA/PE/PP.

As an example, the table below breaks down the different components in LINAK products to various recycling groups:

Product	Components	Recycling group
Columns/ Actuator :	Spindle and motor Plastic housing Cable PCB boards	Scrap Plastic recycling or combustion Cable scrap or combustion Electronics scrap
Control Box :	PCB boards Plastic housing Cable Transformer	Electronics scrap Plastic recycling or combustion Cable scrap or combustion Metal scrap
Handset/Control :	Plastic housing Cable PCB board	Plastic recycling or combustion Cable scrap or combustion Electronics scrap
Kick & Click	Metal parts	Scrap

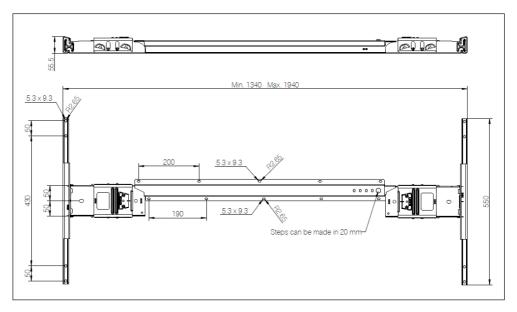
By now almost all our casted plastic parts are supplied with an interior code for plastic type and fibre content, if any.

# Main groups of disposal

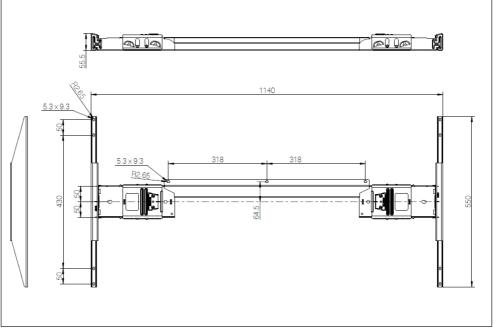
Product main groups	Metal scrap	Cable scrap	Electronics scrap	Plastic recycling or combustion	Comments
Kick & Click™ cantilever	Х				
Kick & Click™ inner + outer rail	Х				
Kick & Click <sup>™</sup> clamp	Х				
Kick & Click™ kick lock				Х	
Kick & Click™ clips				Х	
DESKLIFT <sup>™</sup> Feet	Х			Х	

# **DRAWING APPENDIX**

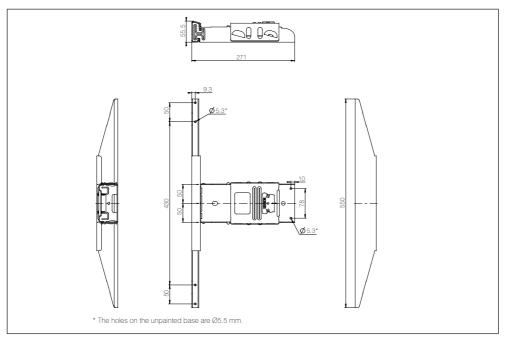
# Kick & Click Adjustable



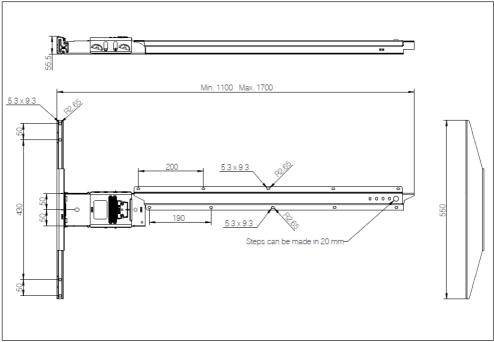
# Kick & Click Fixed



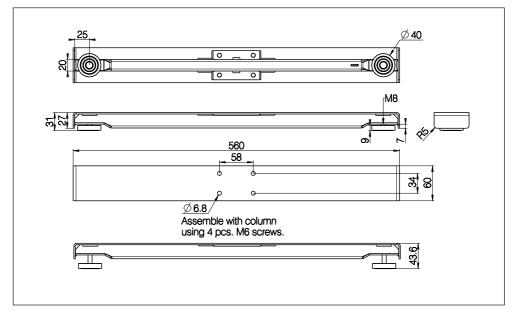
Kick & Click Base



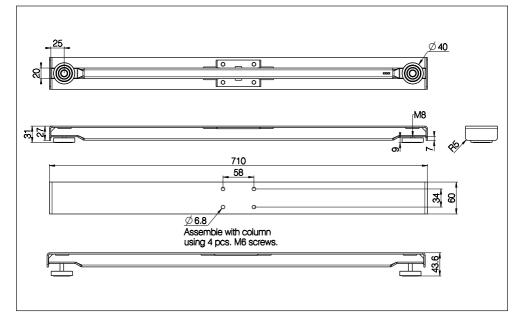
Kick & Click 3rd leg kit

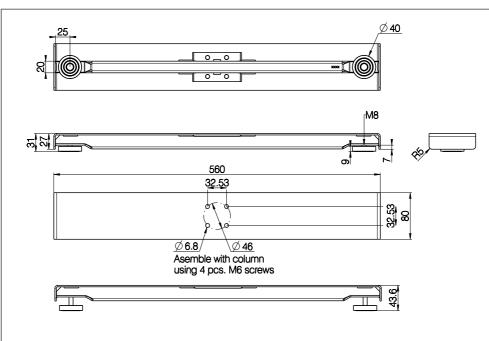


DL5/DL6 on top mounted column, 560 mm



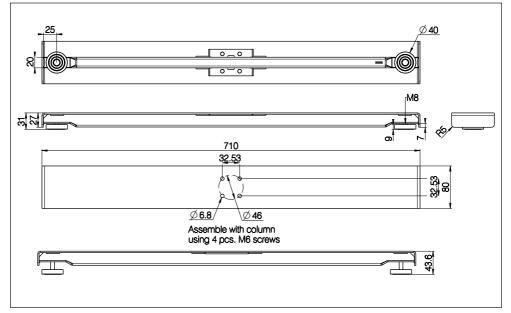
# DL5/DL6 on top mounted column, 710 mm

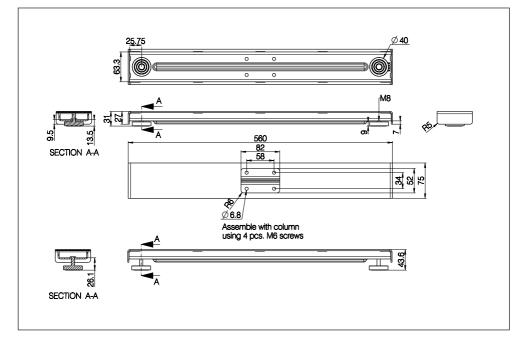




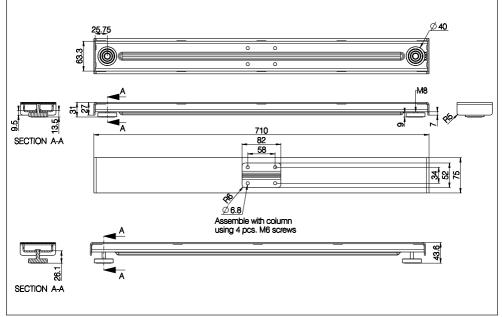
## DL10/DL11/DL14/DL17/DL19 on top mounted column, 560 mm

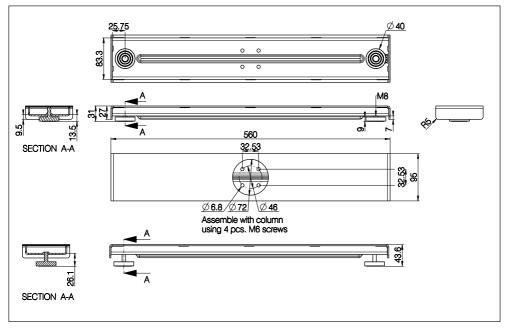
DL10/DL11/DL14/DL17/DL19 on top mounted column, 710 mm



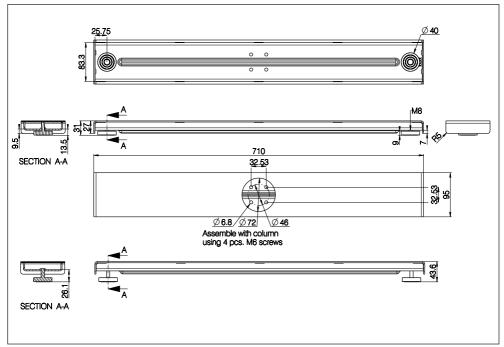


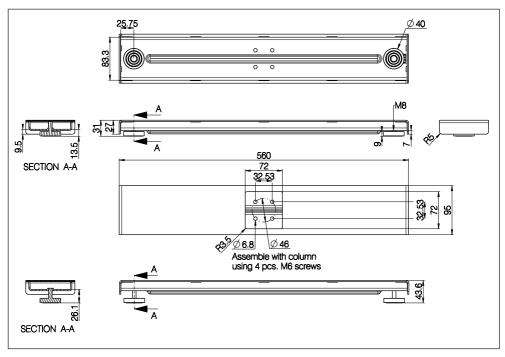
DL5/DL6 recessed mounted column, 710 mm



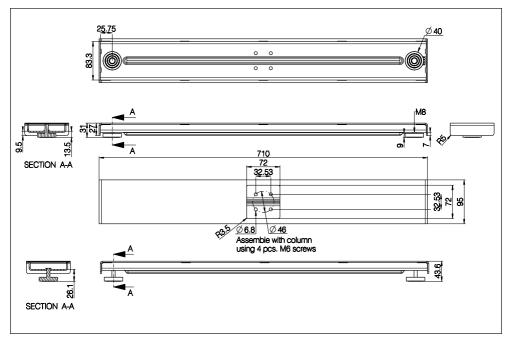


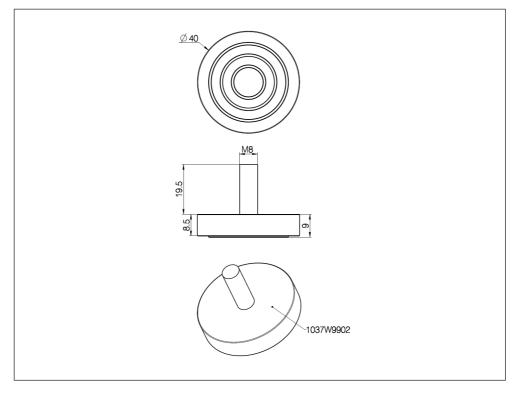
# DL10/DL11/DL14 recessed mounted column, 710 mm





DL17/DL19 recessed mounted column, 710 mm





## **DECLARATION OF CONFORMITY**

LINAK A/S Smedevænget 8 DK - 6430 Nordborg

hereby declares that LINAK Actuator System composed of:

Control Box(s)	CBD6SP00020A-309

CBD6S\*000\*0A-709

(The '\*' in the product description can either be a character or a number, thereby defining the variation of the product)

#### And

Linear Actuator(s) 31, DB4, DB5, DB6, DB7, DB9, DB12, DB14, DB16, LA23 series and / or Lifting Column(s) DL1A, DL2, DL4, DL5, DL6, DL7, DL8, DL9, DL10, DL11, DL12, DL14, DL15, DL16, DL17, DL19, BASE1 series

#### And

Desk Panel(s) DP1C, DP1K, DP1L, DP1V, DP1U, DPA, DPB, DPF, DPG, DPH, DPT, WDPL1 series

complies with EMC Directive: 2014/30/EU according to following standards: EN 61000-6-1:2007, EN 61000-6-3:2007+A1:2011+AC:2012

complies with Low Voltage Directive 2014/35/EU according to the standard: EN 60335-1:2012+A11:2014

complies with RoHS2 Directive 2011/65/EU according to the standard: EN 55581:2012

Additional information: The system does also comply with the standard: EN 13849-1:2015 SRP/CS Cat. B, PL = b and SRESW PL = b Note 1 : Exempted CBD6S with SW03003007 printed on the label.

Nordborg, 2017-12-08

John Eling

LINAK A/S John Kling, B.Sc.E.E. Certification and Regulatory Affairs Authorized to compile the relevant technical documentation

Original Declaration

## LINAK APPLICATION POLICY

The purpose of the application policy is to define areas of responsibilities in relation to applying a LINAK product defined as hardware, software, technical advice, etc. related to an existing or new customer application.

LINAK products, as defined above, are applicable for a wide range of applications within the Medical, Furniture, Desk and Industry areas. Yet, LINAK cannot know all the conditions under which LINAK products will be installed, used, and operated, as each individual application is unique.

The suitability and functionality of the LINAK product and its performance under varying conditions (application, vibration, load, humidity, temperature, frequency, etc.) can only be verified by testing, and shall ultimately be the responsibility of the LINAK customer using any LINAK product.

LINAK shall be responsible solely that the LINAK products comply with the specifications set out by LINAK and it shall be the responsibility of the LINAK customer to ensure that the specific LINAK product can be used for the application in question.

# FACTORIES

### China

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LINAK Canada Inc. Phone: +1 502 253 5595 Fax: +1 416 255 7720 www.linak-us.com

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### Denmark - Sales

LINAK DANMARK A/S Phone: +45 86 80 36 11 Fax: +45 86 82 90 51 www.linak.dk

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### Italy

LINAK ITALIA S.r.l. Phone: +39 02 48 46 33 66 Fax: +39 02 48 46 82 52 www.linak.it

### Japan

LINAK K.K. Phone: 81-45-533-0802 Fax: 81-45-533-0803 www.linak.ip

### Malavsia

LINAK Actuators Sdn. Bhd. Phone: +60 4 210 6500 Fax: +60 4 226 8901 www.linak.my

### Netherlands

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