

Desk Frame 2 (DF2) User Manual



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Preface

Dear User,

We are delighted that you have chosen a LINAK® product.

LINAK systems are high-tech products based on many years of experience in the manufacture and development of actuators, lifting columns, desk frames, electric control boxes, controls, batteries, accessories and chargers.

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

We are convinced that your LINAK product/system will give you many years of problem-free operation.

Before our products leave the factory, they undergo both function and quality testing. Should you, nevertheless, experience problems with your product/system, you are always welcome to contact your supplier.

LINAK subsidiaries and some distributors situated all over the world have authorised service centres, which are always ready to help you. Locate your local contact information on the back page.

LINAK provides a warranty on all products, see [Warranty](#).

This warranty, however, is 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 systems can affect their operation and durability. The products may only be opened by authorised personnel.

This User Manual has been written based on the present technical knowledge. LINAK reserves the right to carry out technical modifications and keeps the associated information updated.

LINAK A/S

Important safety information

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

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

Read all instructions before using this product.

Important safety information on LINAK® products can be found under the following heading(s):



DANGER

Failure to comply with these instructions will result in severe personal injury.



WARNING

Failure to comply with these instructions may result in severe personal injury.



CAUTION

Failure to comply with these instructions can result in minor personal injury.



NOTICE

Failure to comply with these instructions can result in property damage.

READ AND SAVE THESE INSTRUCTIONS

Important safety instructions

General



DANGER

Plugged-in products

Risk of electric shock

- Always unplug this product from the electrical outlet before assembling, disassembling, cleaning, or servicing.
- Only use the product indoors in dry locations.



WARNING

General precautions

Risk of burns, fire, electric shock, or injury to persons

- Unplug from outlet before putting on or taking off parts.
- It is important that everyone who is to connect, install, or use the systems has 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.
- Close supervision is necessary when this product is used by or near children, invalids, or disabled persons.
- If there is visible damage to the product, do not install or use the product. Ensure that the cable and the plug are not damaged, and keep the cable away from heated surfaces.
- Use this product only for its intended use as described in this User Manual. Do not use attachments not recommended by the manufacturer.
- Never insert any object into any opening.
- During construction of applications in which the system is to be fitted, there must be no risk of personal injury, for example squeezing of fingers or arms.
- Do not open the product.



CAUTION

Objects above and below the desk

Risk of personal injury and material damage

- Ensure free space above and below the application to avoid entrapment and blocking the movement in either direction.

Intended use

This product is intended for use indoors in household and commercial usage areas.

Do not use outdoors or in wet areas.

Before installation, re-installation, cleaning, or troubleshooting

- Stop the system.
- Unplug the mains cable.
- Relieve the system of any loads, which may be released during the work.
- Review the assembly instructions to confirm that the appropriate critical components and accessories are being used with this product.

Before start-up

- Make sure that the system has been installed as instructed in this User Manual.
- Make sure that the voltage of the system matches the mains voltage before connecting the system to the mains.
- Always use the supplied mains cable.

During operation

- If the system makes unusual noise or smells, unplug the mains cable immediately.
- Observe the maximum lifting force/self-lock (per frame; load - including tabletop - equally distributed)

Column	Desk type	Max. lifting force (N)	Self-lock (N)	Bending moment
Three-part	T-desk	1600	1200	Max. 200 Nm dynamic
	C-desk	1400		

- Duty cycle: 5 %, max. 1 minute continuous use at full load followed by 19 minutes pause.
- Take care that the cables are not damaged.



CAUTION

Load on the desk

Risk of injury to persons and of malfunction

- Do not overload the frame.
- Place heavy load centrally on the desk.
- Do not use the desk as a work bench.
- Do not use the frame for lifting persons.
- Do not stand on the desk while it is driving up or down.



NOTICE

Duty cycle

Risk of malfunction

- Do not exceed the duty cycle.



WARNING

- This appliance can be used by children aged from 8 years, and by 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 US and Canadian 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 application to move without risk for the operator or bystanders before operating the application.

Servicing double-insulated products

In a double-insulated product, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated product, nor is means for grounding to be added to the product. Servicing a double-insulated product requires extreme care and knowledge of the system, and is to be done only by qualified service personnel. Replacement parts for a double-insulated product must be identical to the parts they replace. A double-insulated product is marked with the words "Double insulation" or "Double insulated." The symbol  (square within a square) can also be marked on the product.

Updated manuals and declarations can always be found at:

<https://www.linak.com/user-manuals/deskline/>.

Repairs



WARNING

Opening the product

Risk of injury to persons

- Do not open the DESKLINE® product.

In order to avoid the risk of malfunction, all DESKLINE® repairs must only be carried out by authorised LINAK workshops or repairers, as special tools must be used and special gaskets must be fitted. Lifting units under warranty must also be returned to authorised LINAK workshops.

Informations importantes en matière de sécurité

Une utilisation sûre du système n'est possible que lorsque ce document est lu dans son intégralité et que les instructions qu'il contient sont strictement respectées.

Le non-respect des instructions marquées du symbole "AVIS" peut entraîner de graves dommages au système ou à l'un de ses composants.

Lisez toutes les instructions avant d'utiliser ce produit.

Des informations de sécurité importantes sur les produits LINAK® sont disponibles dans la ou les rubriques suivantes :



DANGER

Le non-respect de ces instructions entraînera des blessures graves.



AVERTISSEMENT

Le non-respect de ces instructions peut entraîner des blessures graves.



ATTENTION

Le non-respect de ces instructions peut entraîner des blessures corporelles légères.



AVIS

Le non-respect de ces instructions peut entraîner des dommages matériels.

LIRE ET CONSERVER CES INSTRUCTIONS

Consignes importantes de sécurité

Général



DANGER

Produits enfichés

Risque de choc électrique

- Débranchez toujours ce produit de la prise électrique avant de l'assembler, de le démonter, de le nettoyer ou de l'entretenir.
- N'utilisez le produit qu'à l'intérieur, dans des endroits secs.



AVERTISSEMENT

Précautions générales

Risque de brûlures, d'incendie, d'électrocution ou de blessure des personnes

- Débrancher la prise de courant avant de mettre ou de retirer des pièces.
- Il est important que toutes les personnes chargées de connecter, d'installer ou d'utiliser les systèmes disposent des informations nécessaires et aient accès à ce manuel de l'utilisateur. Suivez les instructions de montage - risque de blessure en cas de non-respect de ces instructions.
- L'appareil n'est pas destiné à être utilisé par de jeunes enfants ou des personnes infirmes sans surveillance.
- Si le produit présente des dommages visibles, il ne doit pas être installé.
- Veillez à ce que le câble et la fiche ne soient pas endommagés et tenez le câble éloigné des surfaces chauffées.
- N'utilisez ce produit que pour l'usage auquel il est destiné, tel qu'il est décrit dans ce manuel de l'utilisateur.
N'utilisez pas d'accessoires non recommandés par le fabricant.
- N'insérez jamais d'objet dans une ouverture.
- Il convient de noter que lors de la construction des applications dans lesquelles l'actionneur doit être monté, il ne doit pas y avoir de risque de blessure, par exemple en cas d'écrasement des doigts ou des bras.
- N'ouvrez pas le produit.



ATTENTION

Objets au-dessus et au-dessous du bureau

Risque de blessures et de dommages matériels

- Veillez à ce qu'il y ait un espace libre au-dessus et au-dessous de l'application afin d'éviter tout risque de coincement et de blocage du mouvement dans l'une ou l'autre direction.

Utilisation prévue

Ce produit est destiné à être utilisé à l'intérieur des habitations et des locaux commerciaux.

Ne pas utiliser à l'extérieur ou dans des zones humides.

Avant l'installation, la réinstallation, le nettoyage ou le dépannage

- Arrêter le système.
- Débrancher le câble d'alimentation.
- Libérer le cadre de toute charge susceptible d'être libérée pendant les travaux.
- Examinez les instructions d'assemblage pour vous assurer que les composants et accessoires critiques appropriés sont utilisés avec ce produit.

Avant le démarrage

- Assurez-vous que le système a été installé conformément aux instructions du présent manuel de l'utilisateur.
- Assurez-vous que la tension du système correspond à la tension du réseau avant de raccorder le système au réseau.
- Utilisez toujours le câble d'alimentation fourni.

Pendant le fonctionnement

- Si le système émet des bruits ou des odeurs inhabituels, débranchez immédiatement le câble d'alimentation.
- Respecter la force de levage/autoblocage maximale (par cadre ; la charge - y compris le plateau - est répartie de manière égale)

Colonne	Type de bureau	Force de levage max. (N)	Autobloquant (N)	Moment de flexion
Trois parties	T-bureau	1600	1200	Max. 200 Nm dynamique
	C-bureau	1400		

- Cycle d'utilisation : 5 %, max. 1 minute d'utilisation continue à pleine charge suivie de 19 minutes de pause.
- Veillez à ce que les câbles ne soient pas endommagés.



ATTENTION

Charge sur le bureau

Risque de dommages corporels et de dysfonctionnement

- Ne pas surcharger le cadre.
- Placer la charge lourde au centre du bureau.
- Ne pas utiliser le bureau comme table de travail.
- Ne pas utiliser le cadre pour soulever des personnes.
- Ne vous tenez pas debout sur le bureau pendant qu'il monte ou descend.



NOTICE

Cycle d'utilisation

Risque de dysfonctionnement

- Ne dépassez pas le cycle d'utilisation.



AVERTISSEMENT

- Cet appareil peut-être utilisé par des enfants âgés de 8 ans et plus, ainsi que les personnes dont les capacités physiques, sensorielles ou mentales sont réduites ou ayant un manque d'expérience et de connaissance si elles ont bénéficié d'une surveillance ou d'instructions concernant l'utilisation de l'appareil en toute sécurité et compris les risques encourus.
- Les enfants ne doivent pas jouer avec l'appareil. Le nettoyage et l'entretien ne doivent pas être réalisés par des enfants sans surveillance

Seulement pour les marchés américains et canadiens

- Les personnes qui n'ont pas l'expérience ou les connaissances nécessaires sur le ou les produit(s) ne doivent pas le ou les utiliser. Par ailleurs, les personnes ayant des capacités physiques, sensorielles ou mentales réduites ne doivent pas utiliser le ou les produit(s), sauf si elles sont sous surveillance ou ont suivi une formation approfondie de l'utilisation de l'appareil par l'individu responsable de la sécurité de ces personnes.
- De plus, les enfants doivent-être sous surveillance afin de s'assurer qu'ils ne jouent pas avec le produit.
- Il est de la responsabilité de l'opérateur de s'assurer qu'il y a de l'espace libre pour que l'application puisse se déplacer sans risque pour l'opérateur ou les passants avant d'utiliser l'application..

Entretien des produits à double isolation

Dans un produit à double isolation, deux systèmes d'isolation sont prévus au lieu de la mise à la terre. Aucun moyen de mise à la terre n'est prévu sur un produit à double isolation, et aucun moyen de mise à la terre ne doit être ajouté au produit. L'entretien d'un produit à double isolation nécessite une attention et une connaissance extrêmes du système et ne doit être effectué que par un personnel qualifié. Les pièces de rechange d'un produit à double isolation doivent être identiques à celles qu'elles remplacent. Un produit à double isolation est marqué des mots "Double isolation" ou "Double isolé". Le symbole  (carré dans un carré) peut également être apposé sur le produit.

Les manuels et déclarations mis à jour peuvent toujours être consultés à l'adresse suivante :

<https://www.linak.com/user-manuals/deskline/>.

Réparations



AVERTISSEMENT

Ouverture du produit

Risque de blessure pour les personnes

- Ne pas ouvrir le produit DESKLINE®.

Afin d'éviter tout risque de dysfonctionnement, toutes les réparations de DESKLINE® doivent être effectuées par des ateliers ou des réparateurs LINAK agréés, car des outils spéciaux doivent être utilisés et des joints spéciaux doivent être montés. Les unités de levage sous garantie doivent également être retournées aux ateliers LINAK agréés.

EU Declaration of Conformity

LINAK A/S
Smedevænget 8
DK - 6430 Nordborg

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

DF2 Beam models: DF2B000a00b00000A009 (a=0 or 1; b=A,B,D or X where X equals any colour)

DF3 Beam models: DF3B000a0bcd000fgh09 (a=0,1,2; b=0,1,2; c=A,B,D; d=2,3,4; f=0,1; g=A,B; h=0,1)

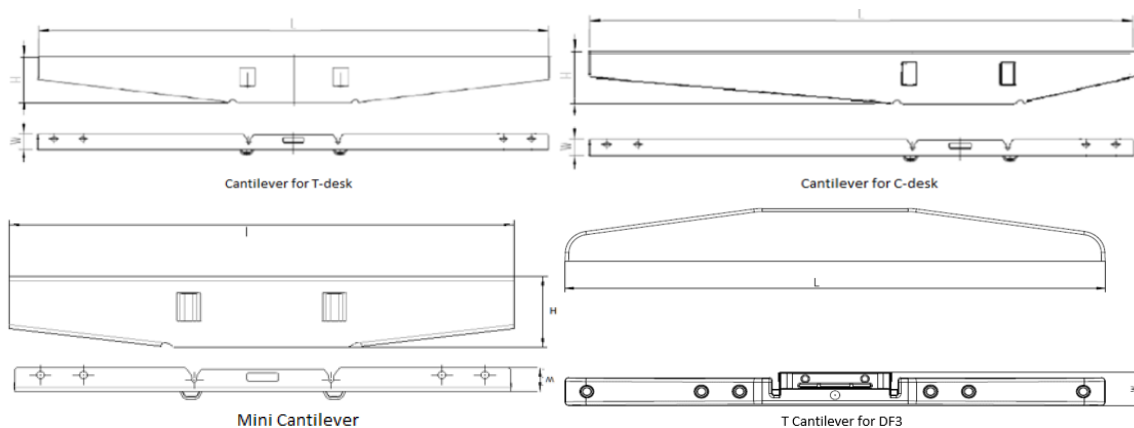
DF2 Legs models: DF2Laa0b00cdP0eeefff

(aa=05,06,18,19,22,23; b=0 or 1; c=0,1,L,H or V or R; d=A,B,D or X where X equals any colour; eee=500 or 665; fff=475 or 602).

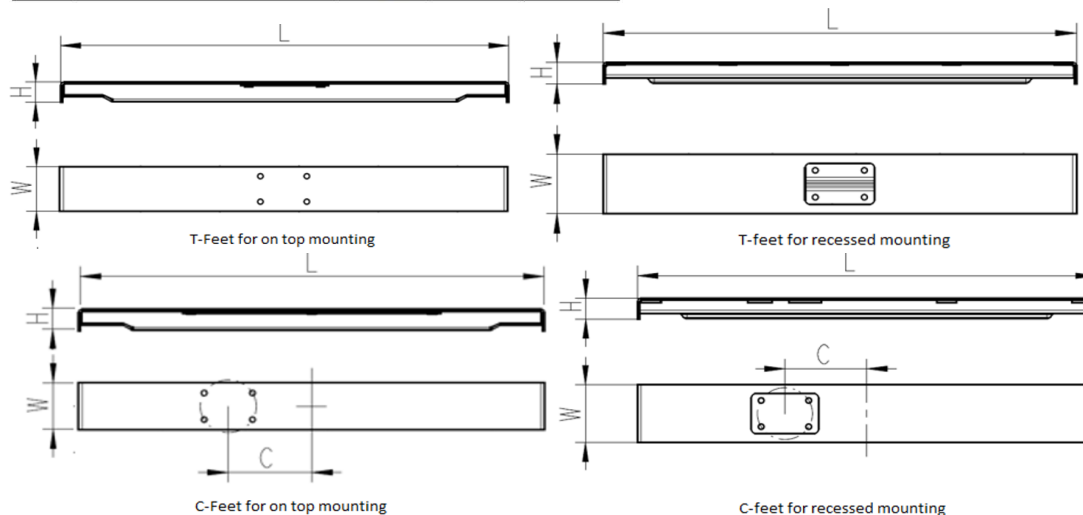
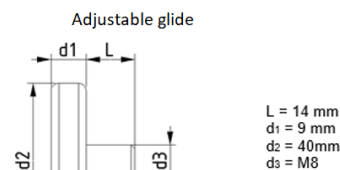
Desk Panels: DPF1K, DPF1C, DPG1K, DPG1M, DPG1C

DF2 accessories: Cantilevers, Feet and adjustable glides

	Type	Length L mm	Wide W	Height H
T-desk	T-Cantilever for DF2B	550	18	53
C-desk	C-Cantilever RH, for DF2B	550	18	53
	C-Cantilever LH. For DF2B			
Mini	Mini Canteliver	346	18	53
T-desk	T-Cantilever for DF3B	452	25	48



	Type	Length L(mm)	Wide W(mm)	Height H(mm)
T-desk	T-Feet for DF2L05+06, on top mounting	560	60	27
		710		
	T-feet for DF2L05+06, recessed mounting	560	75	
		710		
	T-feet for DF2L18+19, on top mounting	560	80	
		710		
	T-feet for DF2L18+19, recessed mounting	560	95	
710				
C-desk	C-Feet for DF2L05+06, on top mounting	560	60	27
		710		
	C-feet for DF2L05+06, recessed mounting	560	75	
		710		
	C-feet for DF2L18+19, on top mounting	560	80	
		710		
	C-feet for DF2L18+19, recessed mounting	560	95	
710				



complies with EMC Directive: **2014/30/EU** (OJ L 96, 29.3.2014, p. 79–106) 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** (OJ L 96, 29.3.2014, p. 357–374) according to the standard:
 EN 60335-1:2012+AC:2014+A11:2014 +A13:2017+A1:2019+A14:2019+A2:2019+A15:2021

Complies with Directive **2011/65/EU** of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (OJ L 174, 1.7.2011, p. 88–110) and Directive **2015/863** (OJ L 137, 4.6.2015, p. 10–12) (amending Annex II to Directive 2011/65/EU) according to the standard:
 EN IEC 63000:2018

And the applicable Desk Panels and Accessories complies with the Radio Equipment Directive **2014/53/EU** (OJ L 153, 22.5.2014, p. 62–106) according to the standards listed in the RED DoC for the individual radio products.

Nordborg, 2024-01-26

LINAK A/S
 Dragan Macura
 Regulatory Compliance Manager
 Deskline and Homeline Segments
 Authorized to compile the relevant technical documentation

Original Declaration

Manufacturer's declaration

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:

DF2 Beam models: DF2B000a00b00000A009 (a=0 or 1; b=A,B,D or X where X equals any colour)

DF3 Beam models: DF3B000a0bcd000fgh09 (a=0,1,2; b=0,1,2; c=A,B,D; d=2,3,4; f=0,1; g=A,B; h=0,1)

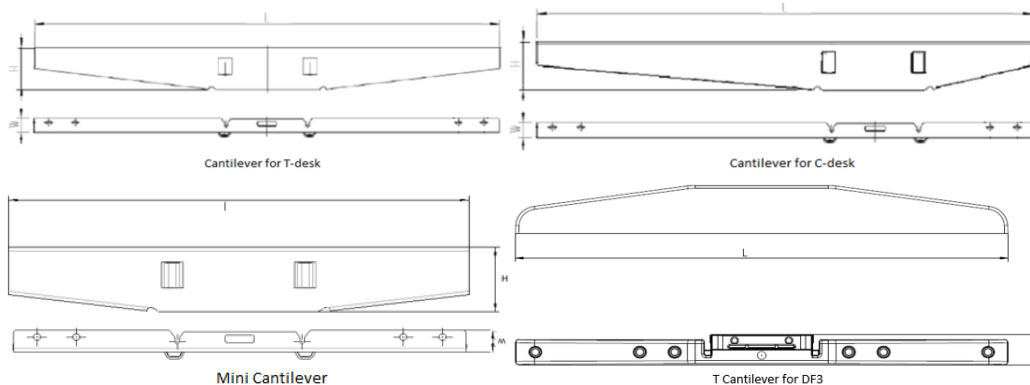
DF2 Legs models: DF2Laa0b00cdP0eeefff

(aa=05,06,18,19,22,23 b=0 or 1; c=0,1,L,H or V or R; d=A,B,D or X where X equals any colour ; eee=500 or 665 ;
fff=475 or 602).

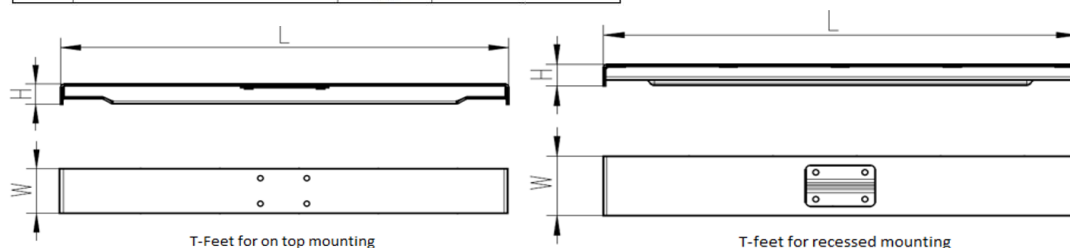
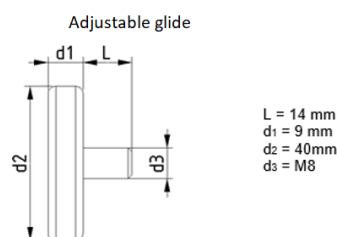
Desk Panels: DPF1K, DPF1C, DPG1K, DPG1M, DPG1C

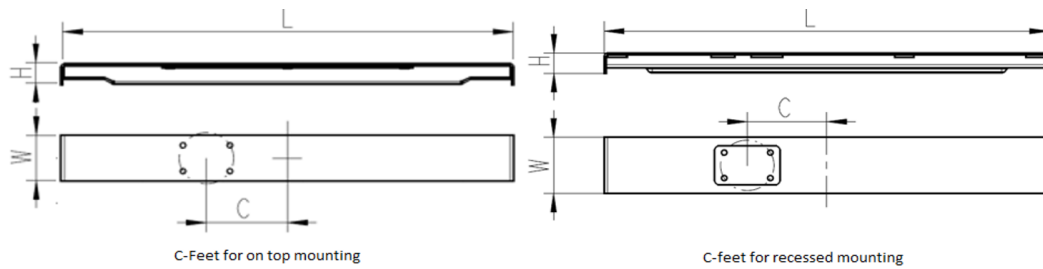
DF2 accessories: Cantilevers, Feet and adjustable glides

	Type	Length L mm	Wide W	Height H
T-desk	T-Cantilever for DF2B	550	18	53
C-desk	C-Cantilever RH, for DF2B	550	18	53
	C-Cantilever LH, For DF2B			
Mini	Mini Canteliver	346	18	53
T-desk	T-Cantilever for DF3B	452	25	48



	Type	Length L(mm)	Wide W(mm)	Height H(mm)
T-desk	T-Feet for DF2L05+06, on top mounting	560	60	27
	T-Feet for DF2L05+06, recessed mounting	560	75	
	T-Feet for DF2L18+19, on top mounting	710	80	
	T-Feet for DF2L18+19, recessed mounting	560	95	
	T-Feet for DF2L18+19, recessed mounting	710	95	
C-desk	C-Feet for DF2L05+06, on top mounting	560	60	27
	C-Feet for DF2L05+06, recessed mounting	710	75	
	C-Feet for DF2L18+19, on top mounting	560	80	
	C-Feet for DF2L18+19, recessed mounting	710	80	
	C-Feet for DF2L18+19, recessed mounting	560	95	





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*:

- 1.1.2 a) Fitted for function and foreseeable misuse*
- 1.1.2 b) Selection of the most appropriate methods*
- 1.1.2 c) Foreseeable misuse*

1.2.1 Safety and reliability of control systems

1.2.2 Control devices. Shape, readability, overview*

1.2.3 Starting*

1.2.4.1 Normal Stop*

- 1.3.1 Risk of loss of stability
- 1.3.2 Risk of break-up during operation
- 1.3.3 Risk due to falling or ejected objects*
- 1.3.4 Risk due to surface, edges or angles*
- 1.3.7 Risk related to moving parts*
- 1.3.8 Choice of protection against risks arising from moving parts

1.5.1 Electricity supply

1.5.5 Extreme temperatures

1.5.6 Fire

1.5.10 Radiation. EMC. Emission of electromagnetic radiation, X-rays, γ -rays*

1.5.11 External radiation*

1.7.1 Information and warnings on machinery*

1.7.3 Marking of machinery*

*need to be further evaluated in the end product

We confirm that prior to market introduction the relevant technical documentation is compiled in accordance with part B of Annex VII and the assembly instruction pursuant to Annex VI.

This documentation or part hereof will be transmitted by post or electronically to a reasoned request by the national authorities

The products mentioned in this document are to be combined for use in height adjustable furniture.

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, 2024-01-26

LINAK A/S

Dragan Macura

Regulatory Compliance Manager

Deskline and Homeline Segments

Authorized to compile the relevant technical documentation

Original Declaration

The DESKLINE® system

This system is a DESKLINE system developed for desks and for indoor use in offices.

Do not use it in other environments that have to be cleaned with aggressive detergents.

Part names

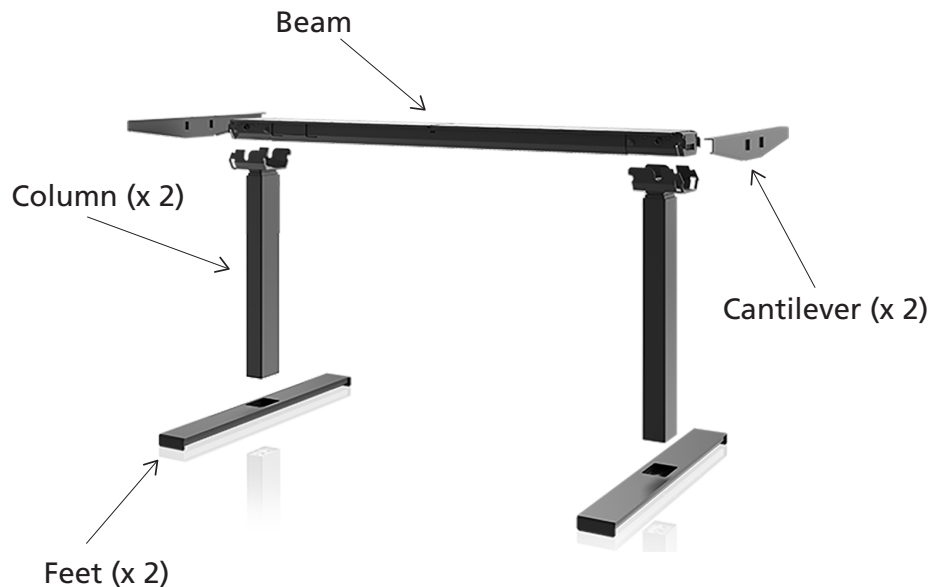


Figure 1 DF2 part names

Important:

The DF2 has a great feature which prevents overheating of the system. The temperature of the motor and the electronics is calculated by the SW during use and it depends on load, run time, etc. The DF2 duty cycle is 5 % $\approx$ 1 minute continuous use at full load, followed by 19 minutes pause. If the DF2 is being used beyond the duty cycle, the system gets hot and stops. If a desk panel with display is mounted, it will show error code E90. After a few minutes break, the DF2 will be able to run for another stroke. However, to cool down the system to factory settings, the DF2 must cool for at least 2 hours with the mains plugged in.

Please note:

If you disconnect mains, the DF2 SW cannot work and thus not calculate the temperature. When the system is powered on again, the SW will continue to calculate using the data from when the mains was disconnected.

Warranty

The warranty terms for DESKLINE products are described in this warranty paper:

<https://cdn.linak.com/-/media/files/warranty/warranty-paper-deskline-eng.pdf>

Maintenance

Clean dust and dirt from the outside of the system at appropriate intervals and inspect for damage and breaks.

Inspect connections, cables, and plugs without disconnecting, and check functioning as well as fixing points.



CAUTION

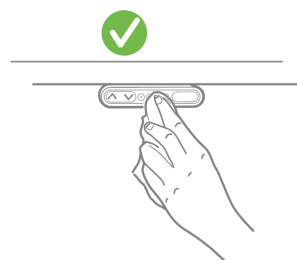
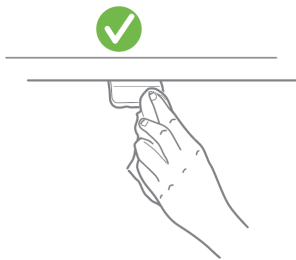
Loose screws

Risk of loss of stability

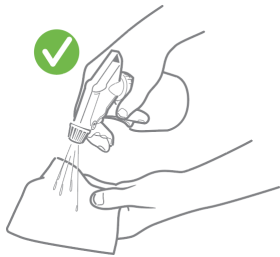
- Check for loose screws on a regular basis. Fasten if necessary.

Cleaning the desk panel

Clean your desk panel with a soft damp cloth. Universal cleaning detergents may be used.



For disinfection of the desk panel, use a 70 percent isopropyl alcohol either as a wipe or add a small amount to a soft cloth.

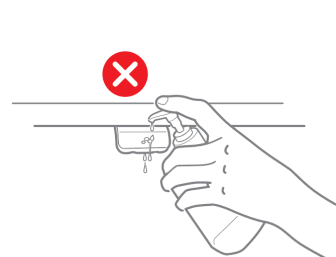
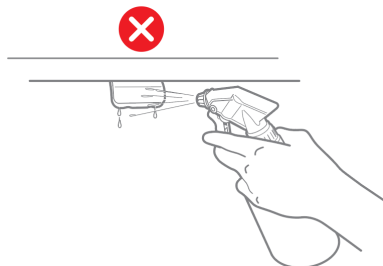


CAUTION

Risk of damaging the desk panel

The desk panel is not a sealed unit and there are electronics inside it.

- Ensure that liquids or moisture does not enter an opening. It may damage the PCB and ruin the desk panel.
- Avoid spraying the cleaning agent or disinfectant directly on the desk panel.



- Cleaning agents and disinfectants must not be highly alkaline or acidic (pH value must be 6 to 8), and they must not contain bleach or chlorine.
- Do not use hand sanitizer gel as a cleaning agent.

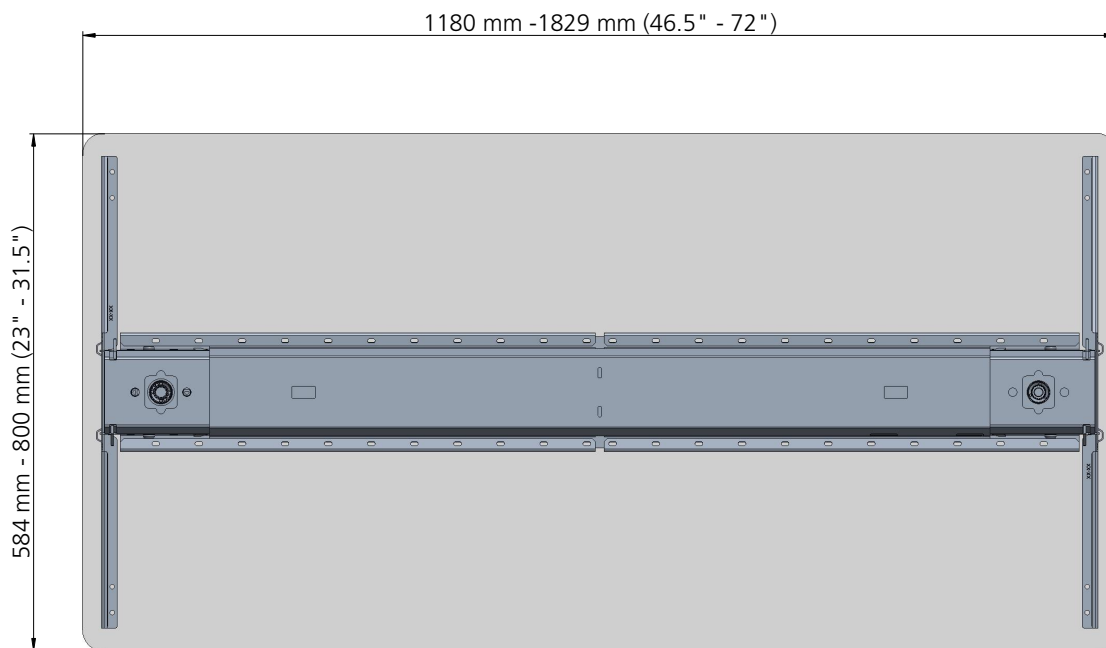
Table size and type

The Desk Frame 2 is designed for T-desks and C-desks. The cantilevers must be mounted centrally on the tabletop.



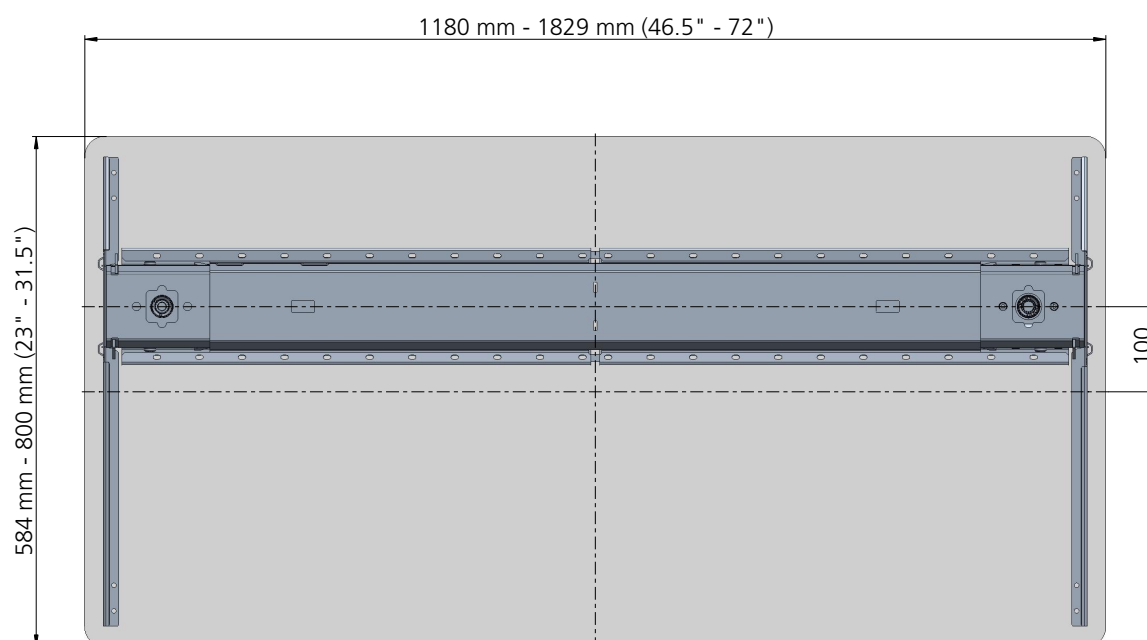
Recommended tabletop:

Material	Veneered chipboard
	Plywood
Thickness	Min. 21 mm (13/16")
Size	Min. 584 mm x 1180 mm (23" x 46.5")
	Max. 800 mm x 1829 mm (31.5" x 72")



Drawing No. 1066W4037

Figure 2 DF2 (T-desk design) with cantilevers mounted centrally on the tabletop



Drawing No. 1066W4038

Figure 3 DF2 (C-desk design) with cantilevers mounted centrally on the tabletop

Installation

A mounting instruction video is available [here](#).



NOTICE

Delivery

- Check the packaging and the delivered items for visible damaged. If there is visible damage to the product, do not install it.



WARNING

Plastic bags

Risk of suffocation

- Keep the plastic bags away from babies and children.



WARNING

Adjusting the beam

Risk of squeezing fingers

- Be careful when adjusting the beam. Fingers may get squeezed.



WARNING

Mounting the columns

Risk of squeezing fingers

- Be careful when mounting the columns. Fingers may get squeezed or crushed.



WARNING

Flipping the desk over

Risk of injury to persons and of damaged desk

- Do not flip the desk over single-handed as the desk is too heavy and you may drop it.



WARNING

Power-up

Risk of injury to persons due to clothes getting entangled or fingers getting squeezed

- Do not apply power to the frame until it is mounted on the tabletop.



WARNING

Liquid in desk panel

Risk of injury to persons if the desk starts running unexpectedly

- Place the desk panel where liquids are unlikely to run into the desk panel.



CAUTION

Heavy parts

Risk of injury to persons due to crushing or cutting

- Be careful when handling the desk parts.



CAUTION

Sharp edges on tabletops

Risk of injury to persons.

- Use tabletops with rounded edges which comply with EN527.



CAUTION

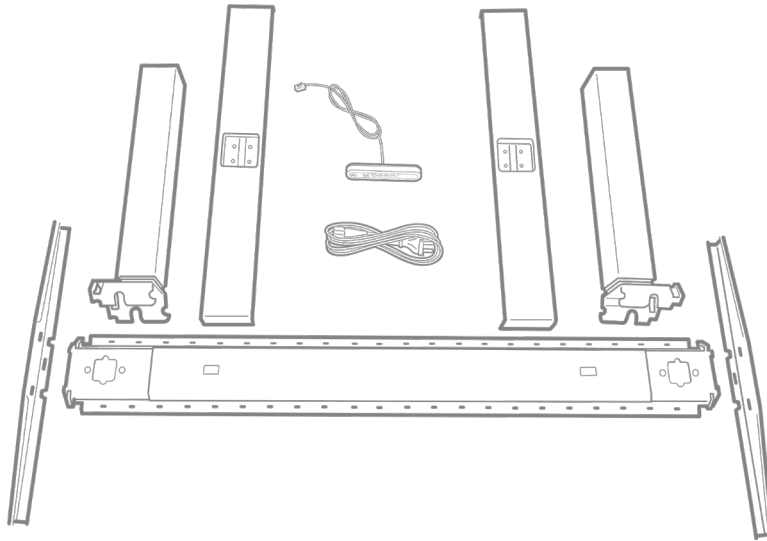
Tilting table

Risk of injury to persons

- Do not mount the frame on tabletops bigger than the recommended size.
- Mount the frame with the cantilevers centrally placed on the tabletop. Risk of injury to persons due to crushing or cutting
- For C-desks: Ensure to turn the feet in the correct direction.
- Be careful when handling the desk parts.

Preparing the assembly

1. Gather all parts for the desk including the tabletop.



2. Turn the tabletop upside down.

Assembling the top frame

1. Adjust the beam length.



Be careful when adjusting the beams. Fingers may get squeezed.

- 1.1. Extend the beam to the required length (1150 mm to 1750 mm (45" to 69")), adjustable in 50 mm (2") steps).



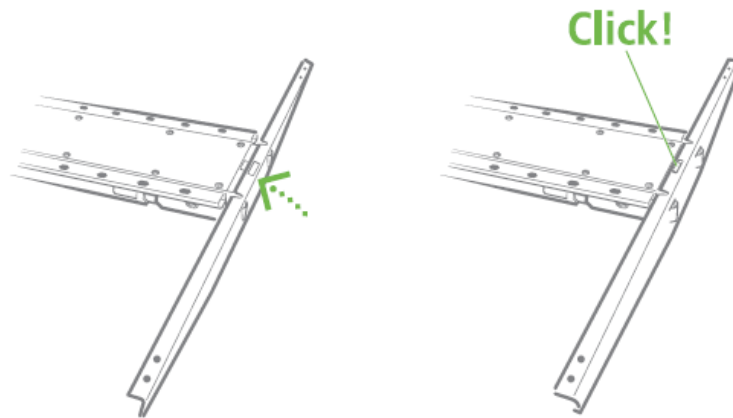
The beam must **not** be pulled completely apart in order not to pull the drive shaft apart.



Minimum adjustment in the connection end is 100 mm (4") (to keep the power and RJ45 sockets accessible), otherwise adjustable in 50 mm (2") steps.

Mounting the cantilevers

1. Place a cantilever slightly tilted at the end of the beam.
2. Press the cantilever into place until a click is heard and the snap joint locks the cantilever in the correct position.



3. Mount the cantilever in the other end of the beam.



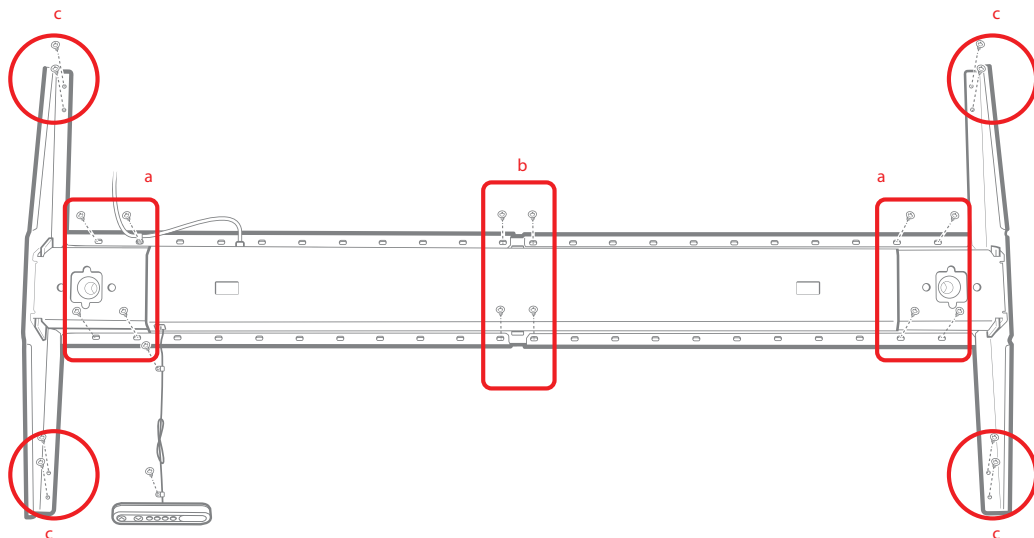
Check that the cantilever is placed correctly and cannot be twisted off the beam.



Do not extract the beam using the cantilevers as handles.

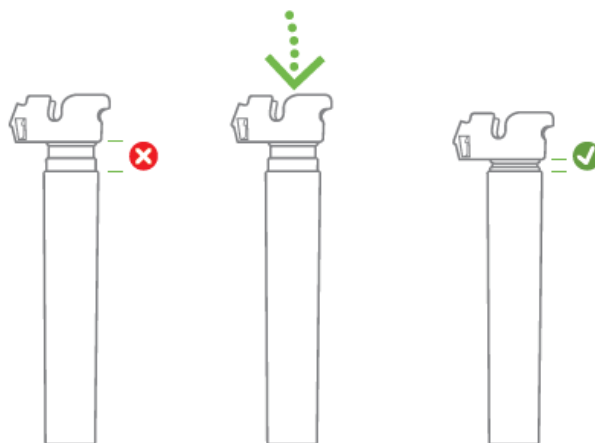
Mounting the top frame

1. Place the assembled top frame in the correct position.
Use a tape measure to ensure central placement of the DF2 frame.
2. Fasten the top frame to the tabletop using 20 mounting screws as follows:
 - 2.a. 8 screws at the ends of the beam.
Use one of these to fix the mains cable to the beam with a cable clamp creating a cable relief, see [Connecting the mains cable](#)
 - 2.b. 4 screws at the extension points.
 - 2.c. 8 screws in the cantilevers.



Mounting the columns

1. Ensure that the columns are completely retracted.

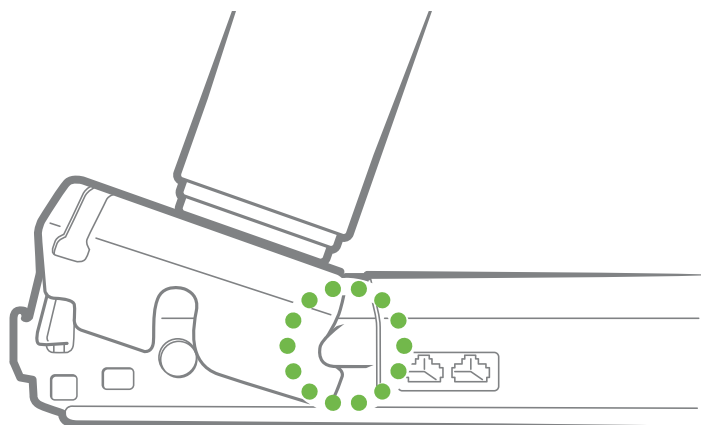


If the column extracts when turned upside down, press by hand to completely retracted position.

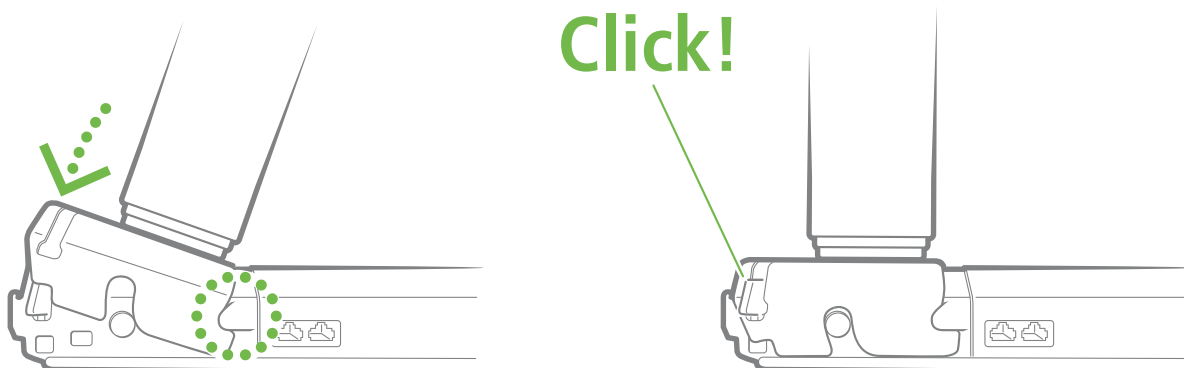


Be careful when mounting the columns. Fingers may get squeezed or crushed.

2. Tilt the columns and place them correctly on the beam using the guiding notches.



3. Fix the column to the beam by pressing down until a “click” is heard and **both** pawls lock the column in the correct position.



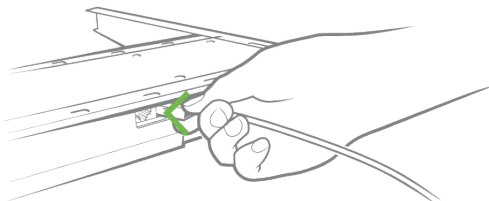
Check that both pawls are visible after mounting the columns. Otherwise, remove the column and try again (see [Disassembly](#), steps [7](#), [8](#) and [9](#)).

Mounting the desk panel

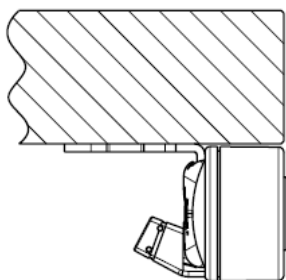


Ensure that only one desk panel at the time is connected to the DF2.

1. Connect the desk panel in one of the RJ45 sockets.



2. Mount the DPF using a 90° mounting bracket (article number 914759) and place it close to the tabletop edge.

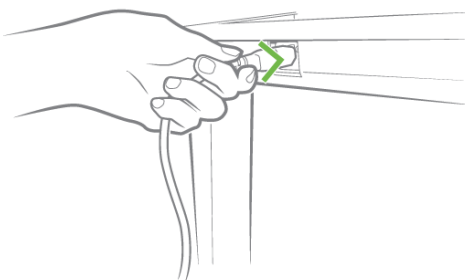


3. Fasten the cable to the tabletop using two screws and two cable clamps.

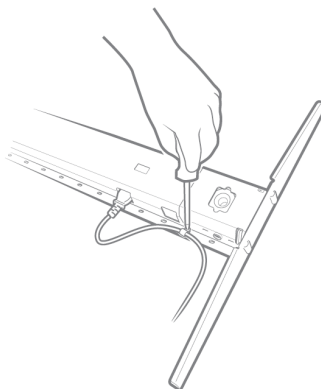


Connecting the mains cable

1. Plug the mains cable into the power socket on the beam.



2. Use one of the mounting screws to fix the mains cable to the beam with a cable clamp creating a cable relief.



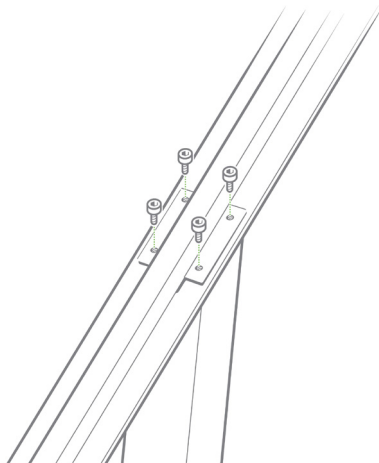
Mounting the feet

On-top or recessed



In case of a C-desk design, ensure to turn the feet in the correct direction to avoid tilting of the desk.

1. Mount the feet on the columns using four M6 or two M8 mounting screws for each foot.



The columns have four M6 and two M8 threaded holes in the bottom plate. For mounting the feet, always use four M6 or two M8 screws with the following specifications:

- | | |
|----------|---|
| Quality: | Min. grade 8.8 |
| Length: | Min. 10 mm (plus foot thickness); |
| | Max. 16 mm (plus foot thickness) for M6 |
| | Max. 14 mm (plus foot thickness) for M8 |

2. Fasten the screws thoroughly (torque: max. 10 Nm).

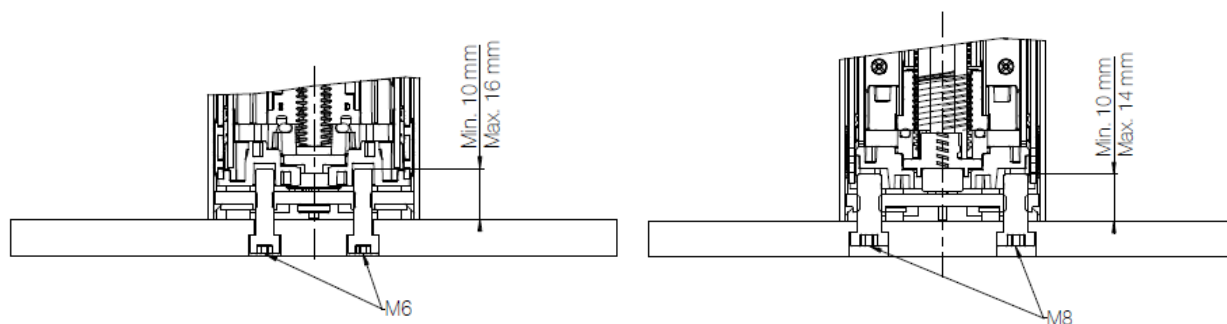
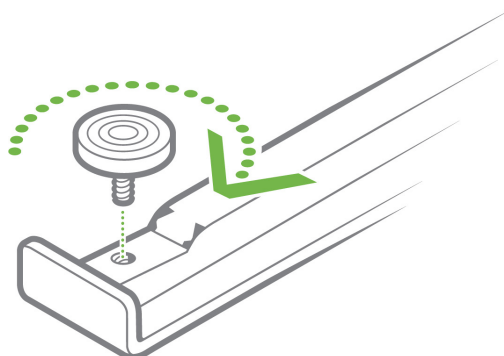


Figure 4 Column bottom mounted on desk foot (left: M6; right: M8)

3. Mount the adjustment screws.

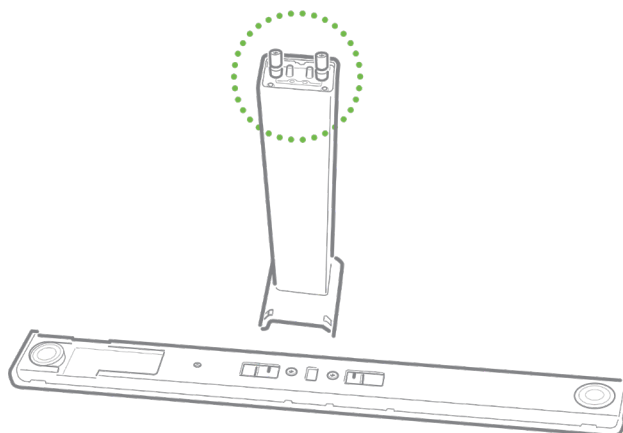


Click-on

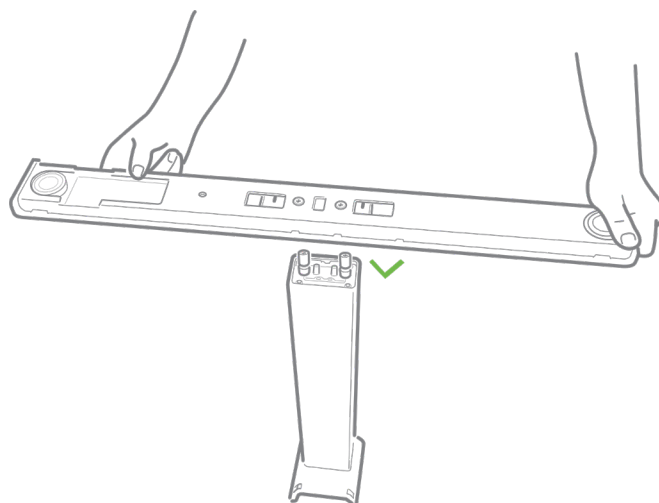
A mounting instruction video is available [here](#).



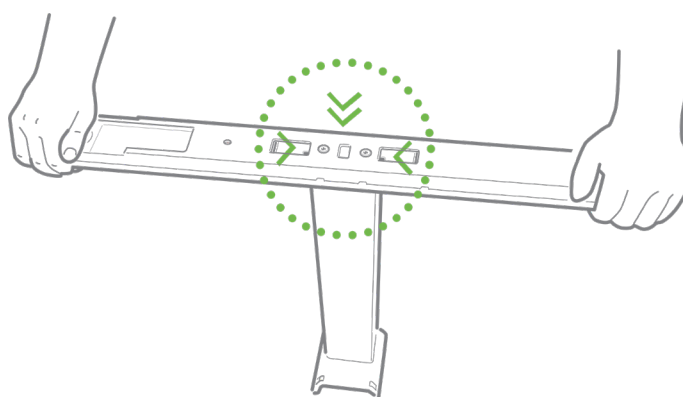
The Click-on Feet can only be used with columns with pre-mounted mounting screws and plastic plate.



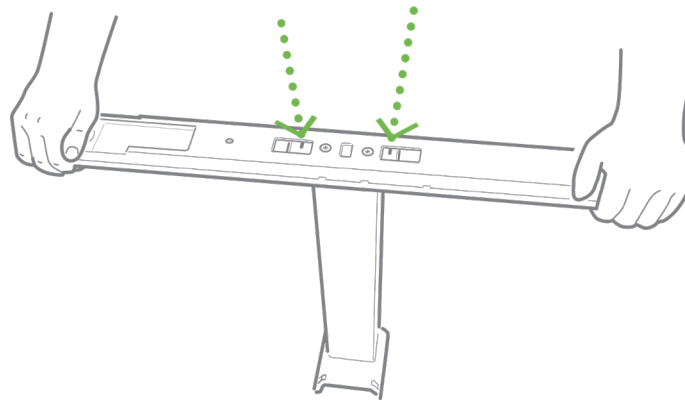
1. Align the holes in the foot with the screws on the column.



2. Press down quickly until a 'Click' is heard.



3. Ensure that locking plates snap inwards and lock the screws.



Finalising the installation

1. Flip the desk over.



It is recommended **not** to flip the desk over single-handed as the desk is too heavy. You might get injured, or the desk might be damaged if dropped.

2. Connect to the mains supply.

Your desk is now ready for use.



Check for loose screws on a regular basis. Fasten if necessary.

Disassembly

For disassembling the DF2, use a disassembly tool (ordering code SA1023W1241).



Figure 5 Disassembly tool

The disassembly tool has ridges on one side.

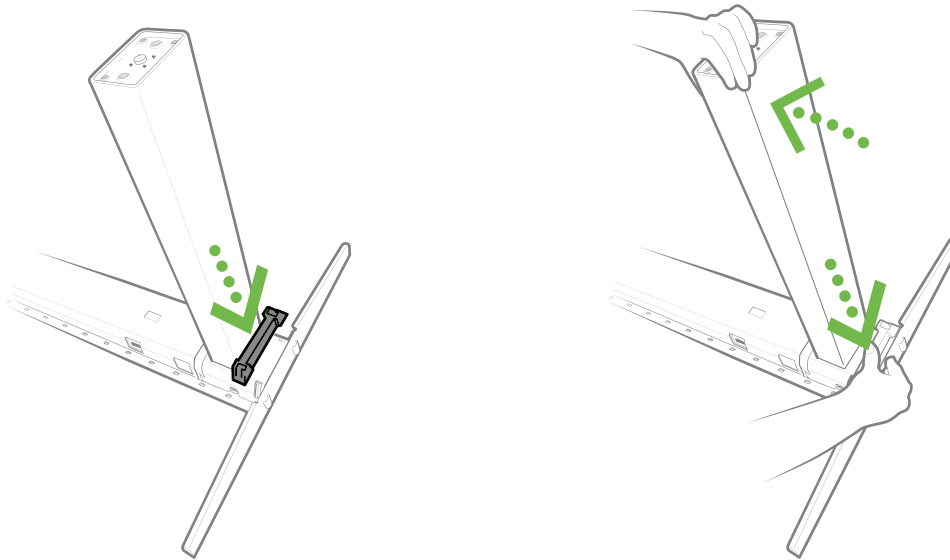
Disassembling the DF2

1. Drive the desk to its minimum height so the columns are completely retracted.
2. Disconnect from the mains supply.
3. Flip the desk over.

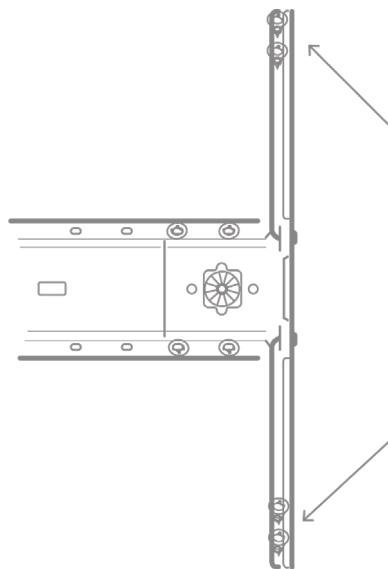


It is recommended not to flip the desk over single-handed as the desk is too heavy. You might get injured, or the desk might be damaged if dropped.

4. Disconnect, unscrew and remove the desk panel.
5. Unscrew and remove the mains cable.
6. Unscrew and remove the feet.
7. Place the disassembly tool on the beam with the ridges facing towards the cantilever.
8. Press straight down to loosen the cantilever and make the pawl release the column.
9. At the same time press the disassembly tool down and tilt the column to remove it from the beam.



If the column cannot be removed easily, try to loosen the four screws in the cantilever to allow the cantilevers to tilt a little.



10. Unscrew the beam from the tabletop.
11. Twist the cantilever slightly to release it from the beam.
12. Disassemble the rest of the system.

Operation



CAUTION

Heavy load

Risk of injury to persons

- Place heavy load centrally on the desk

For operation of the desk, please see the relevant desk panel User Manual which is available on:

<https://www.linak.com/user-manuals/deskline/>

Troubleshooting/FAQs

Error codes

Error code	Description	Remedy
E90	The system temperature is high and operation is not allowed.	Allow the system to cool down. Leave the system powered on and do not operate for 2 hours.
E92	Input voltage too high.	Check if you have connected a 110 V system to 230 V, or if the general input voltage is too high.
E93	The anti-collision sensor was triggered.	Remove any obstacles causing the desk drive to stop and adjust the desk height again.

Accessories and repair



WARNING

Opening the product

Risk of injury to persons and of malfunction

- Do not open the system unless you are authorised to do so.

Accessories

Please contact your nearest LINAK contact.

Repairs

Systems should only be repaired by an authorised LINAK service centre or engineer. Systems to be repaired under warranty must be sent to an authorised LINAK service centre.

Spare parts

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

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.

Disposal of LINAK products

As LINAK 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.

Almost all our cast plastic parts are supplied with an interior code for plastic type and fibre contents, if any.

Main groups of disposal

Product	Metal scrap	Cable scrap	Electronics scrap	Plastic recycling or combustion	Paper and cardboard recycling
Beam	x		x	x	
Cantilever	x				
Column	x			x	
Feet	x				
Desk panel		x	x	x	
Cable		x			
Packaging				x	x

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