



DESK FRAME 2 (DF2)
User manual

Description of the DESKLINE® Desk Frame 2

The Desk Frame 2 (DF2) is, as the name indicates, a complete frame from LINAK®. It is characterized by a rethought frame concept, evolved around a new top frame called the Beam. The Beam contains all electronics including the motor and all cable wiring. The DF2 is very fast and intuitive to assemble as the few parts are carefully designed to be either clicked together or attached with only a few screws.

The DF2 has a clean design. The lifting columns have no visible gliding pads and no punch holes in the profiles, and the internal wiring and pre-installed motor in the beam ensure that only the mains and the desk panel cables are visible. The DF2 is of the well-known LINAK quality and performance similar to other 3-part columns. As standard, the DF2 features the new anti-collision technology, Desk Sensor™ 1, ensuring that collisions with obstacles do not damage the furniture. The DF2 reuses the existing DESKLIFT™ Feet for mounting the lifting columns either on top of or recessed in the foot construction.

The method of packing ensures optimized logistics. All main components are packed individually and the quantity is aligned.

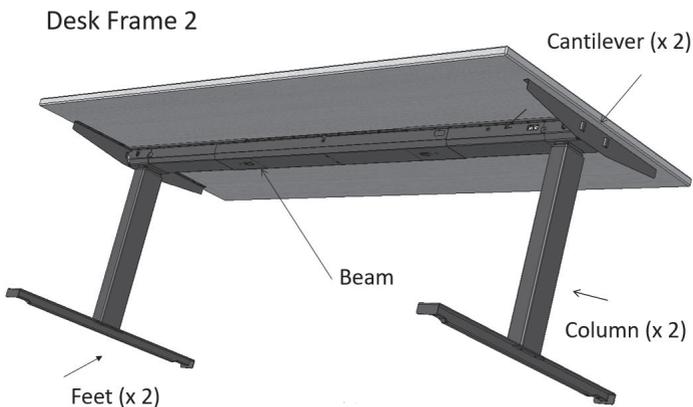


Figure 1 Names of the DF2 parts

With columns with a fully retracted length of 517 mm and a stroke length of 650 mm, it is possible for a DF2 system to obtain an adjustment range of the tabletop from e.g. 620 to 1270 mm, depending on the tabletop and the feet designs. Thus, the desk can be used for sitting as well as for standing types of work.

The DF2 can be delivered with a mounting kit consisting of:

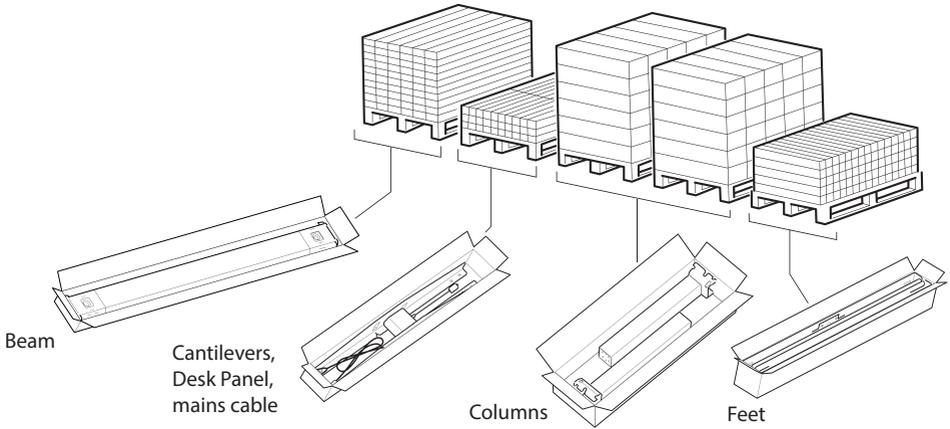
- 22 mounting screws for the beam and the cables (4.5 x 20 mm)
- 2 mounting screws for the desk panel (4.0 x 20 mm)
- 3 cable clamps (Ø6.6 mm)

Disassembly tool

Ordering code: SA1023W1241.

Set-packed solution

The DF2 is available as a set-packed solution.



For the set-packed solution the main components of a DF2 frame are packed in separate boxes meaning that a DF2 frame consists of 4 boxes:

- The beam (1 piece)
- The lifting columns (2 pieces)
- The cantilevers (2 pieces), the selected desk panel, mains cable and optionally a mounting kit containing screws for mounting the tabletop and the desk panel as well as cable relief clamps
- The feet (2 pieces including the screws for mounting and the adjustment screws for the foot)

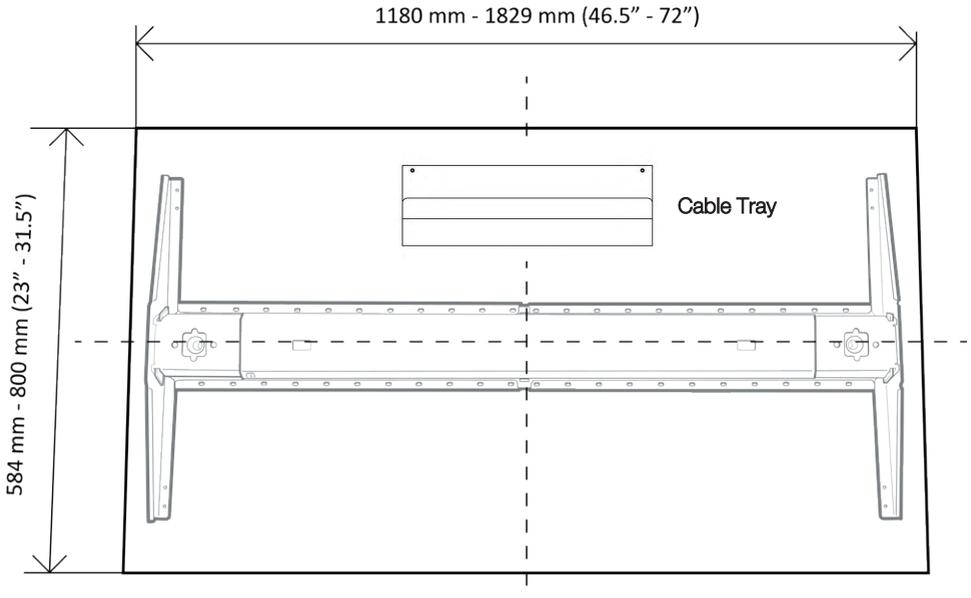
The set-packed solution simplifies logistics at the OEM end, making it easy to select the right components for the desk and ensuring that all parts are included.

A bulk-packed solution is typically an advantage for high volume OEMs who assemble the frames or the complete desks at their factories.

Mounting guidelines for the Desk Frame 2

Table size and type

The DF2 is designed for T-desks and must be mounted centrally on the tabletop.



DF2 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")



Recommended feet:

LINAK feet 560 mm (22") or 710 mm (28").

For tabletop depth greater than 760 mm (30"): Use 710 mm (28") feet



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, and the DPG 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.

Installation

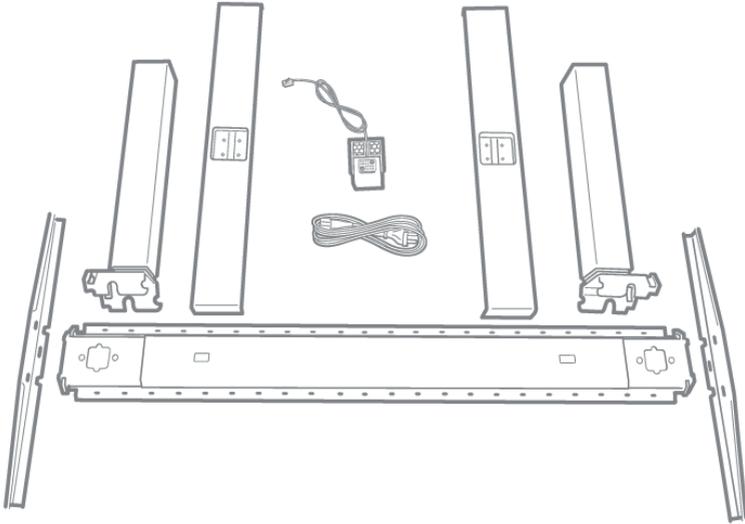


Check the packaging and the delivered items for visible damage and ensure that the drive shaft is mounted correctly and not pulled apart.

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

Assembling DF2 system

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



2. Turn the tabletop upside down.

3. Fix the beam length.

3.1. 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.

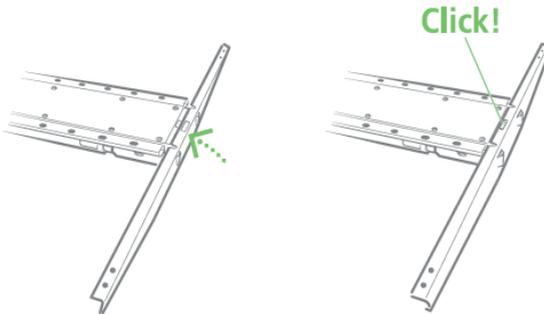


Minimum adjustment in the connection end is 100 mm (4") (to keep the power and RJ45 sockets accessible), otherwise adjustable in 50 mm (2") steps.

4. Mount the cantilevers.

4.1. Place a cantilever slightly tilted at the end of the beam.

4.2. Press the cantilever into place until a click is heard and the snap joint locks the cantilever in the correct position.



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



Check that the cantilever is placed correctly and cannot be twisted off the DF2 beam.



Do not extract the beam using the cantilevers as handles.

5. Place the assembled DF2 frame in the correct position.

Use a tape measure to ensure central placement of the DF2 frame.

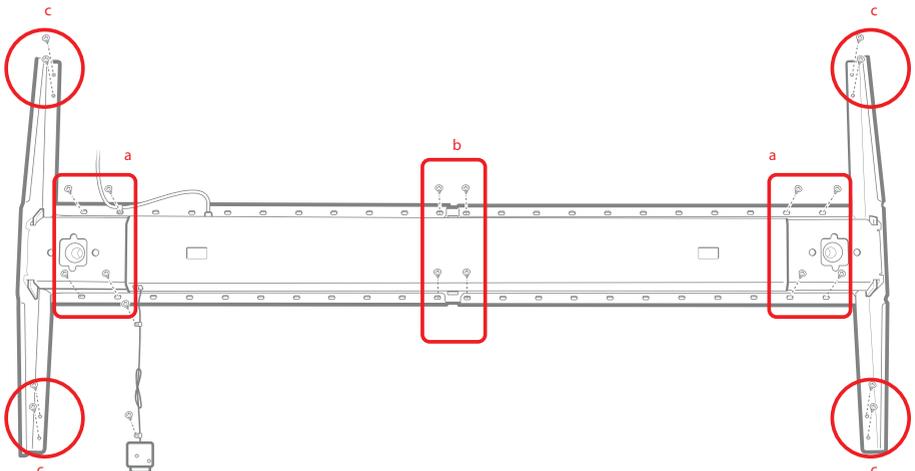
6. Fasten the DF2 frame to the tabletop using 20 mounting screws as follows:

6.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 step 9.
Connect power cable.

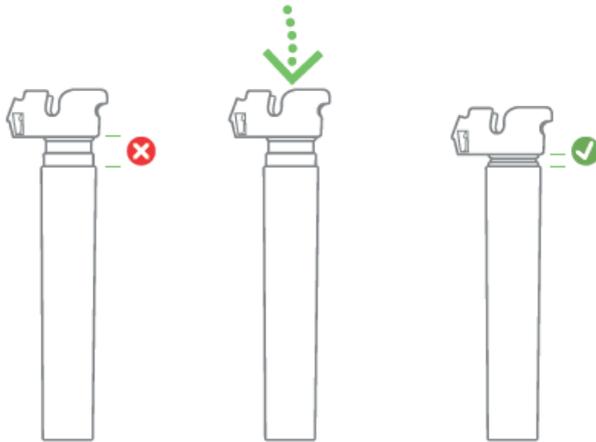
6.b. 4 screws at the extension points.

6.c. 8 screws in the cantilevers.



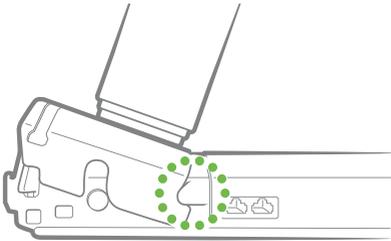
7. Mount the columns.

7.1. Ensure that the columns are completely retracted.

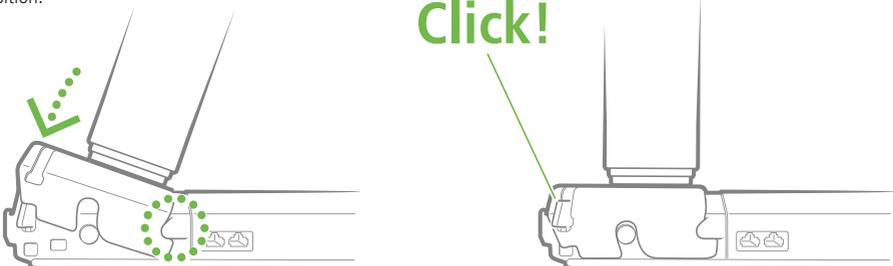


If the column extracts when turned upside down, press by hand to completely retracted position.

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



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



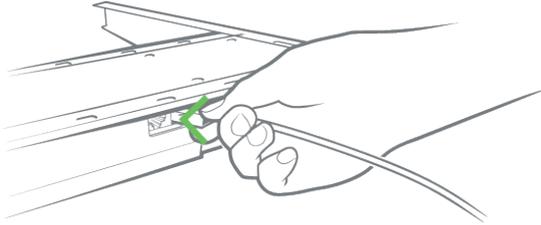
Check that both pawls are visible after mounting of the columns. Otherwise, remove the column and try again (see Disassembly, steps 4 and 5).

8. Mount the desk panel



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

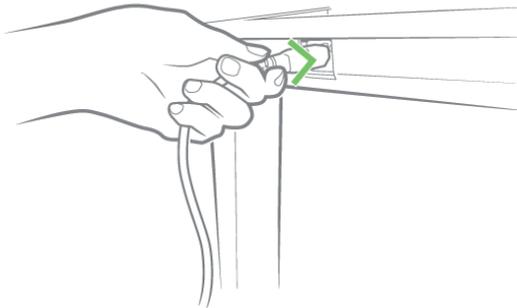
8.1 Connect the desk panel in one of the RJ45 sockets.



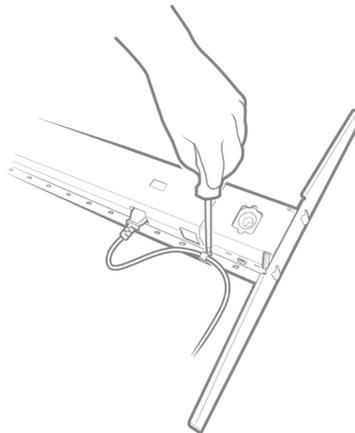
8.2. Fasten the desk panel to the tabletop using the mounting screws.

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

9. Connect the power cable.

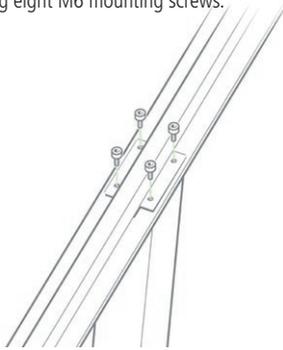


Ensure to make a cable relief using the cable clamp when fastening the cable to the tabletop.



10. Mount the feet

10.1 Mount the feet on the columns using eight M6 mounting screws.

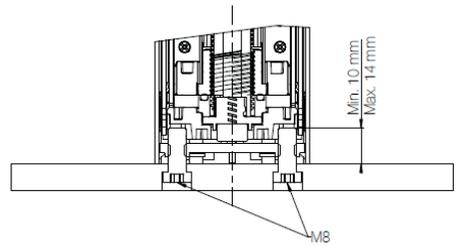
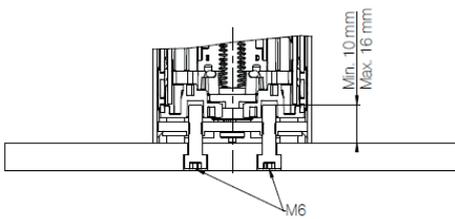


The DF2L06 columns are supplied with four M6 and two M8 threaded holes. For mounting the feet, always use four M6 or two M8 screws with the following specifications:

Quality: Min. grade 8.8

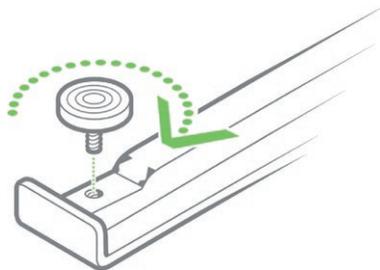
Length: Min. 10 mm (plus foot thickness); max. 16 mm (plus foot thickness)

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



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

10.3. Mount the adjustment screws.



11. Turn the table around.

12. Connect to the mains supply.

Your desk is now ready for use.

If you have purchased an A-frame desk, follow the steps below instead of attaching the feet as stated in previous step

- Place a leg through the plastic bezel (picture below) and place the leg into the top rectangular shape at the top of the A-frame.



- The leg will slot through and sit securely in the bottom of the A-frame.
- To secure it further, use the Allan key and M6 fixings (both supplied) to screw four M6 screws into the underneath of the A-frame.

It should look like the below images. Repeat this for the second leg.



Disassembly

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

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

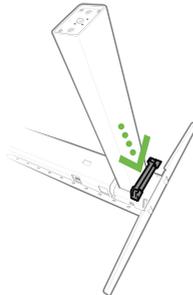


Figure 6 Disassembly tool

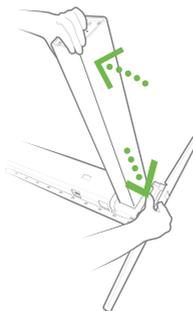
The disassembly tool has ridges on one side.

Disassembling the DF2

1. Drive the desk to its minimum height so the columns are completely retracted.
2. Disconnect from the mains supply.
3. Turn the table upside down.
4. Disconnect, unscrew and remove the desk panel.
5. Unscrew and remove the feet.
6. Place the disassembly tool on the beam with the ridges facing towards the cantilever.
7. Press straight down to loosen the cantilever and make pawl release the column.



8. At the same time press the disassembly tool down and tilt the column to remove it from the beam.



9. Unscrew the DF2 beam from the tabletop.
10. Twist the cantilever slightly to release it from the beam.
11. Disassemble the rest of the system.