

DESK FRAME 2 (DF2)

Data Sheet





The Desk Frame 2 (DF2) is a full-frame solution from LINAK. Simple and intuitive to assemble, the DF2 is one of the fastest ways to create a 2-legged sit-stand desk.

The frame is built around a telescopic beam making it possible to create various desk sizes with the same frame. The beam contains all electronics and motor, and the columns are simply clicked on to the beam, minimizing the number of cables needed.

With a lifting capacity of up to 1600 N, the DF2 frame can be used for various office applications. Select among various column shapes, desk feet types, and desk panel designs, and create your own favorite frame design. As standard, the DF2 features sensor-based anti-collision, ensuring that collisions with obstacles do not damage the furniture.

DF2 features

- Telescopic frame, fits desk sizes from 120 – 180 cm
- Available as T or C frame
- Up to 1600 N lifting capacity
- Built-in sensor-based anti-collision
- 0.1 W standby power consumption
- Soft start and stop

Part names

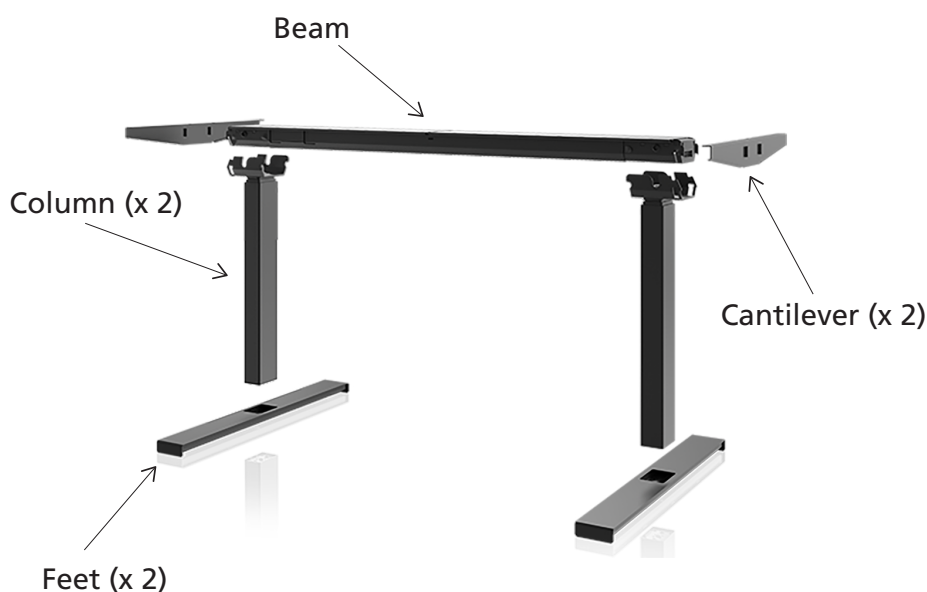


Figure 1 DF2 part names

Features/Usage

Features

Common

- Colours (all metal parts): black (RAL 9005), grey (RAL 9006) or white (RAL 9016)

Beam

- Contains the motor and all electronics
- A telescopic solution – fits table lengths 1180 mm to 1829 mm (46.5" to 72")
- adjustable in 50 mm (2") steps
- Mains voltage:
 - 230-240 V, 50-60 Hz
 - 120 V, 50-60 Hz (US / Canada)
 - 100 V, 50-60 Hz (Japan)
- Oval holes ensure flexibility as regards pre-drilling holes in tabletop
- Sensor-based anti-collision
- ZERO™ power: low standby power consumption – only 0.1 W

Columns

- PLUS™ design (no visible gliding pads)
- Easy mounting without any screws - simply snap on to the beam
- Max. speed 38 mm/s unloaded
- Lifting force/self-lock (per frame; load - including tabletop - equally distributed)

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

- Dimensions:

Profile	Built-in length	Stroke length
50 x 80 mm	517 475 (BIFMA)	650 665 (BIFMA)
70 x 70 mm	517 475 (BIFMA)	650 665 (BIFMA)

See also [Dimension drawings](#)

Cantilevers

- Available for T-desk or C-desk designs
 - T-desks (central placement of columns)
 - C-desks (off-centre placement of columns)
- Easy mounting without any screws - simply click on to the beam
- Length (fits table depth 584 mm to 800 mm):
 - 546 mm (T desks)
 - 550 mm (C desks)

Desk panels

- DPF1C
- DPF1K

Feet

- Feet for T-desk or C-desk designs
- Length: 560 mm or 710 mm
- Mounting option:
 - On top
 - Recessed
 - Click-on Feet for T-desk design

Usage

- Can be used for:
 - T-desks (central placement of columns)
 - C-desks (off-centre placement of columns)
- Compatible with DESKLIFT™ Feet
- Compatible with Desk Panels DPF1C and DPF1K
- Duty cycle: 5% ~ 1 minute continuous use at full load, followed by 19 minutes pause
- For indoor use in dry locations
- Ambient temperature: 10 to 40 °C
- Storage and transportation temperature: -10 to +50 °C
- Complies with
 - IEC/EN 60335-1 - Household and similar electrical appliances – Safety – Part 1: General requirements
 - UL962 - Standard for Household and Commercial Furnishings 4th edition
 - UL2999 - Individual Commercial Office Furnishings 1st Edition
 - CSA C22.2 No.68-18 - Motor Operated Appliances (Household and Commercial) 8th Edition
- Meets ANSI/BIFMA X5.5:2014 (up to 1829 mm (72"))
- Tested in accordance with:
 - EN527-1:2011 Office furniture – Work tables and desks – Part 1: Dimensions
 - EN527-2:2016+A1:2019 Office furniture – work tables – Part 2: Safety , strength and durability requirements

Ordering

Combination codes for DF2 beam, columns, cantilevers, desk panels and cables.

Beam

	DF2B	
MOTOR TYPE	0	0 = Standard
OPTION	0	0 = Standard
OPTION	0	0 = Standard
PACKAGING	1	1 = Set-packed
OPTION	0	0 = Standard
OPTION	0	0 = Standard
COLOUR	B	A = All metal parts grey (RAL 9006) B = All metal parts black (RAL 9005) D = All metal parts white (RAL 9016)
LENGTH	0	0 = Adjustable from 1150 mm to 1750 mm
OPTION	0	0 = Standard
OPTION	0	0 = Standard
OPTION	0	0 = Standard
ANTI-COLLISION	0	0 = Standard (sensor-based)
INTERFACE	A	A = LINbus interface
MAINS VOLTAGE	1	0 = 230-240 V, 50-60 Hz 1 = 120 V, 50-60 Hz (US / Canada) 100 V, 50-60 Hz (Japan)
OPTION	0	0 = Standard
MAINS CABLE	9	9 = Without cable

Selected combination code:

DF2B000100B00000A109

Columns

	DF2L	
COLUMN TYPE	06	06 = 3-part 50 x 80 19 = 3-part 70 x 70
SPINDLE TYPE	0	0 = 20 mm pitch
OPTION	0	0 = Standard
OPTION	0	0 = Standard
OPTION	0	0 = Standard
MOUNTING BRACKET	0	0 = None
COLOUR	B	A = Grey (RAL 9006) B = Black (RAL 9005) D = White (RAL 9016)
STANDARD	P	P = Standard Z = Prepared for Click-on Foot
OPTION	0	0 = Standard
STROKE LENGTH	650	650 = 650 mm 665 = 665 mm (BIFMA)
INSTALLATION DIM.	517	517 = 517 mm 475 = 475 mm (BIFMA)

Selected combination code:
DF2L0600000BP0650517



A column in BIFMA version is less stable in full stroke length compared to a standard column as it has less overlap between the profiles.

Disassembly tool

A tool for disassembling the DF2 columns from the beam.



Order separately using ordering code: SA1023W1241.

Cantilever set

(Cantilevers, desk panel and cable)

	DF2C	
DESK TYPE	T	C = C desk T = T desk
OPTION	0	0 = Standard
OPTION	0	0 = Standard
PACKAGING	1	1 = Set-packed
MOUNTING KIT	00	00 = None 02 = 20 x ø4.5 x 20 mm panhead chipboard screws for beam 2 x ø4.0 x 20 mm for DP1FC and DP1FK 3 x 6.6 mm cable clamps
COLOUR	B	A = All metal parts grey (RAL 9006) B = All metal parts black (RAL 9005) D = All metal parts white (RAL 9016)
OPTION	0	0 = Standard
MAINS CABLE	00	00 = None AA = EU 0015869, 2.0 m * AB = UK 0015588, 3.2 m AC = US 0015942, 3.2 m AD = CH 0015833, 3.2 m AE = EU 0015562, 3.2m AF = CH 0015618, 2.0 m * AG = US 0015862, 3.2 m * AI = KOR 0015864, 3.2 m AJ = JP 0015841, 3.2 m
OPTION	0	0 = Standard
OPTION	0	0 = Standard
DESK PANEL	00	00 = None AK = DPF1K (with mounting bracket 914759) AQ = DPF1C cm (with mounting bracket 914759) AR = DPF1C inch (with mounting bracket 914759)
OPTION	0	0 = Standard
OPTION	0	0 = Standard

Selected combination code:
DF2CT00100B000000000

* PVC-Free™

Feet, set-packed (DLF)

For ordering of DESKLIFT™ feet, please also refer to the [DESKLIFT™ Feet data sheet](#).

	DLF	
COLUMN TYPE	06	00 = Click-on Feet 06 = DL6 19 = DL19
COLUMN INTERFACE	1	1 = Top (On top / Click-on) 2 = Recessed
DESK DESIGN	1	1 = T-type 2 = C-type *
MOUNTING KIT	0	0 = None (for Click-on feet the adjustment screws are pre-mounted) 1 = 8 x M6 cylinder head screws + 4 x adjustable glides
COLOUR	B	A = Grey (RAL 9006) B = Black (RAL 9005) D = White (RAL 9016)
LENGTH	710	560 = 560 mm (≈ 22") 710 = 710 mm (≈ 28")
OPTION	0	0 = Standard
PACKING	0	0 = Set-packed
OPTION	0	0 = Standard
Selected combination code: DLF06110B710000		

*: C variant in recessed version only available for Column type option 06



Click-on Feet are available as a T-type variant

Tehcnical data

Performance curves



The DF2 performance depends on the mains supply in the application.

The curves below show the performance of the DF2 (T-desk) with two columns (equally loaded).

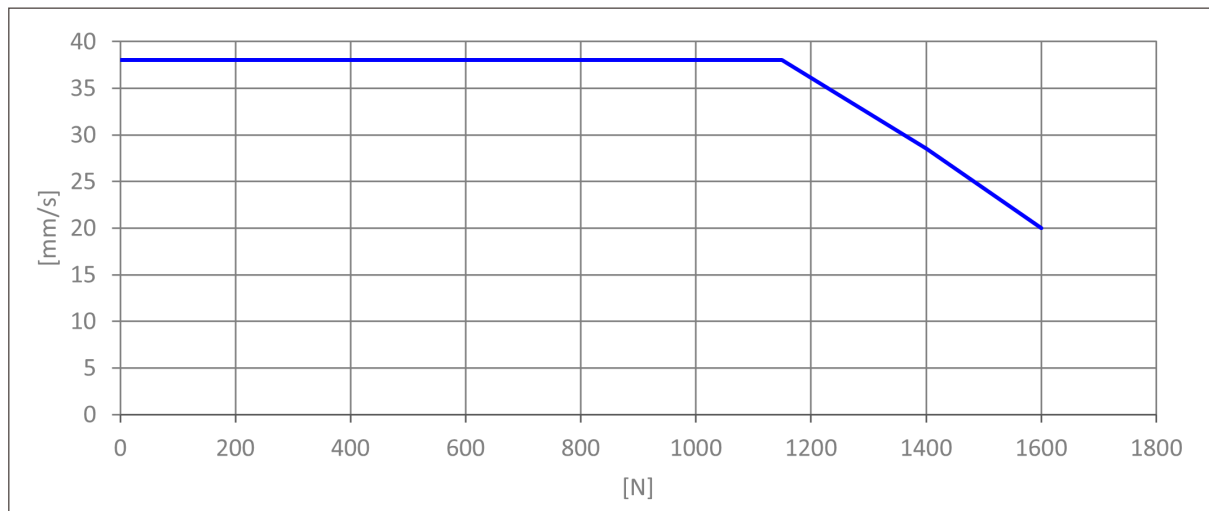


Figure 2 Mains: 230-240 V / 50-60 Hz or 110-120 V / 50-60 Hz

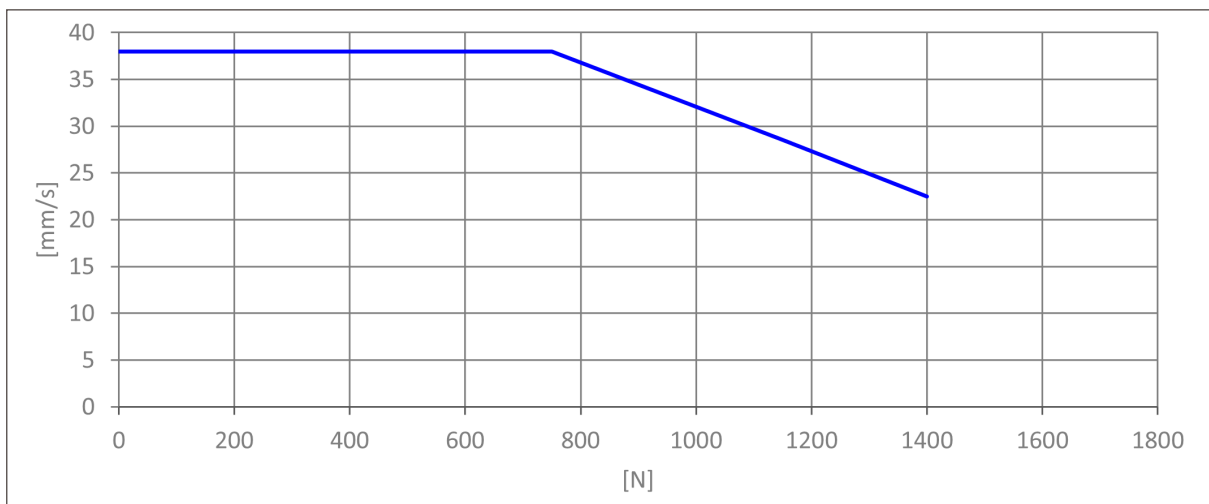


Figure 3 Mains: 100 V / 50 Hz

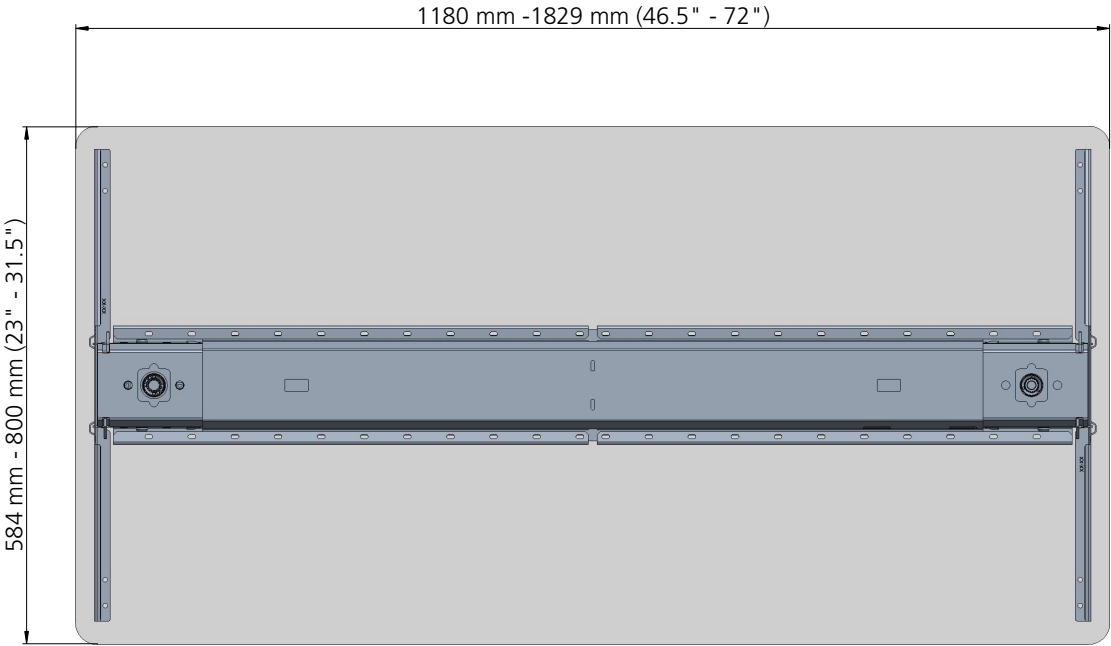
Table size and type

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



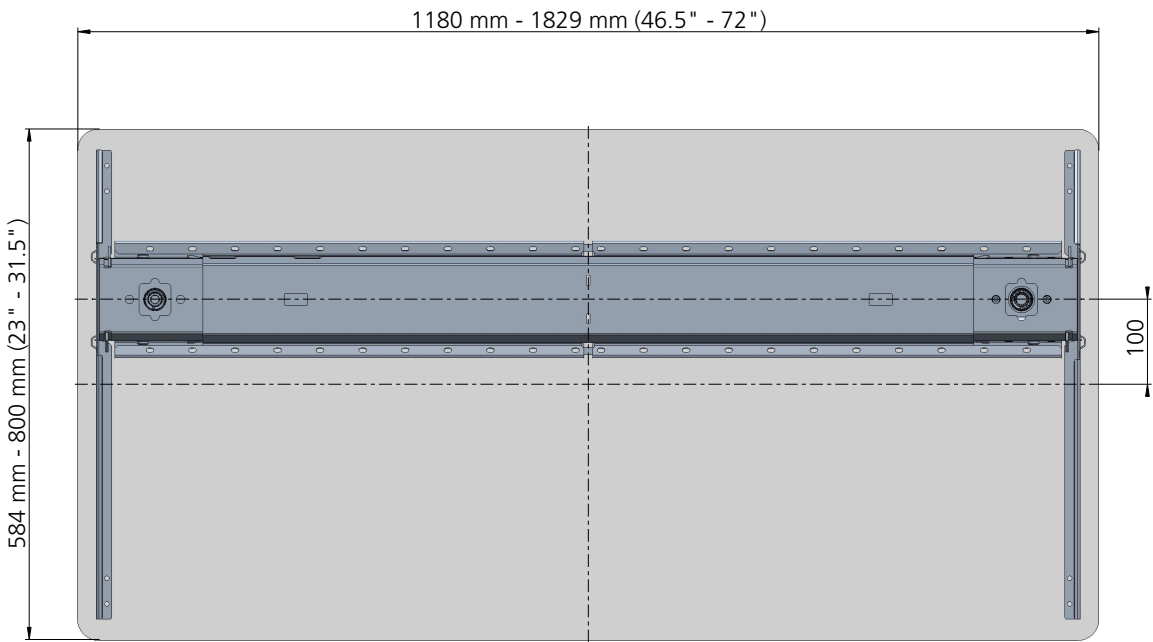
Recommended tabletop:

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



Drawing No. 1066W4038

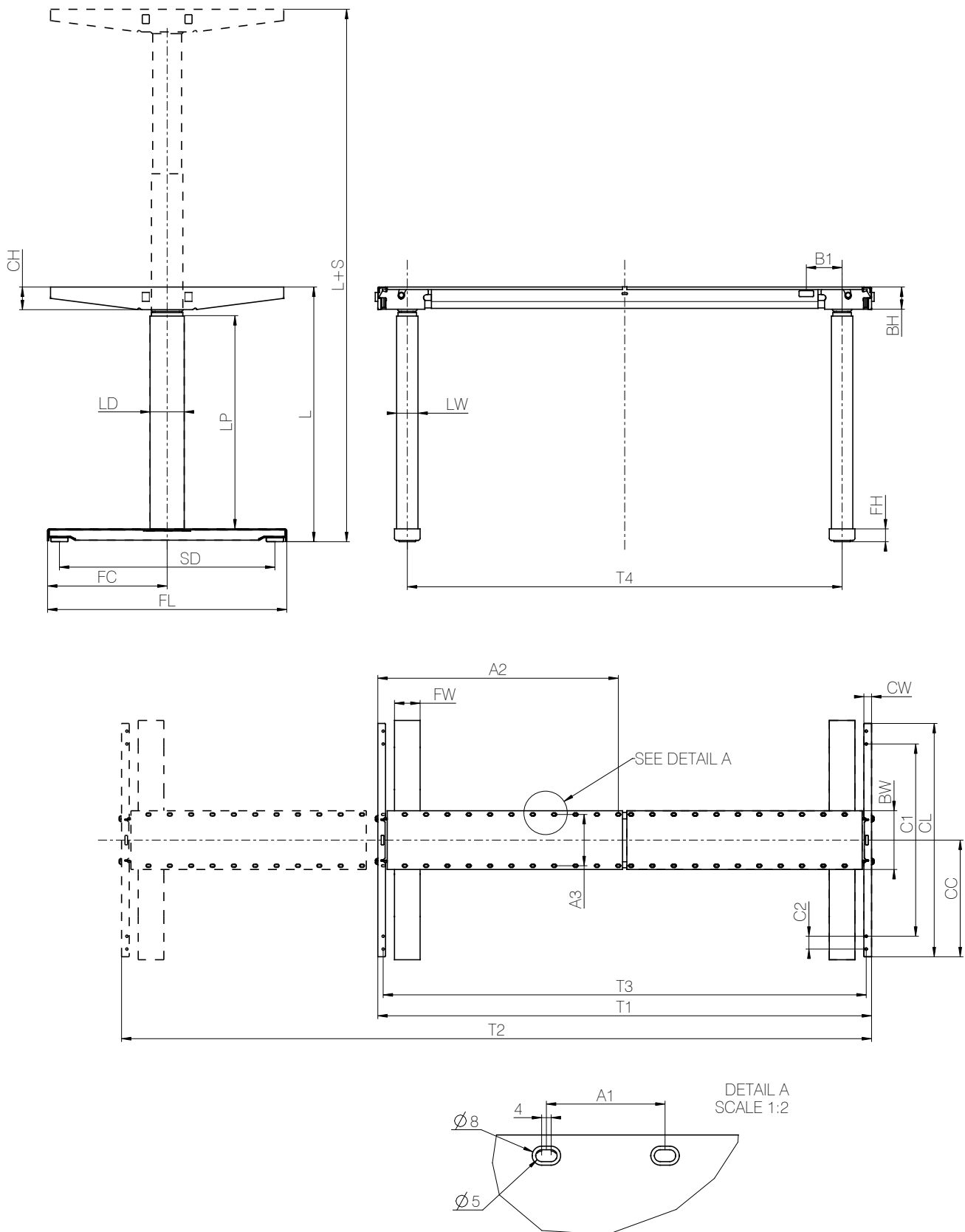
Figure 5 DF2 (C-desk design) with cantilevers mounted centrally on the tabletop

Dimension drawings

More dimension drawings are available on our website:

<https://www.linak.com/products/desk-frames/desk-frame-2/#/2d3d>

Overview



Drawing No. 1023W4010

Figure 6 Desk Frame 2 dimensions (mm)

For specifications, see the following tables.

Top frame

Legend	Description	Measurement
T1	Length (completely retracted)	1150
T2	Length (completely extracted)	1750
T3	Distance between screw holes for cantilever (completely retracted beam)	1131
T4	Distance between centre of columns (completely retracted beam)	1018

Table 7 Top frame dimensions (mm)

Beam

Legend	Description	Measurement
BH	Height	50
BW	Width	137.5
B1	Distance between column centre and centre of hole for RJ45 ports	84
A1	Distance between screw holes for beam (length)	50
A2	Distance between outside cantilever and centre of innermost screw hole	563
A3	Distance between screw holes for beam (width)	119

Table 8 Beam dimensions (mm)

Cantilevers

Legend	Description	T-desk	C-desk
CL	Length	546	550
CH	Height	53	53
CW	Width	18	18
C1	Distance between inner screw holes	450	454
C2	Distance between screw holes	30	30
CC	Distance from centre of column to front of cantilever	69	69

Table 9 Cantilever dimensions (mm)

Columns

Legend	Description	DF2L06	DF2L06 (BIFMA)	DF2L19	DF2L19 (BIFMA)
L *	Length	622	563	622	563
S	Stroke	650	665	650	665
LP	Length of outer profile	498	456	498	456
LD	Depth	80	80	70	70
LW	Width	50	50	70	70

Table 10 Column dimensions (mm)

* DL6 BIFMA: recessed foot

The other columns: on top foot

The adjustment screw: minimum height

Feet

Legend	Description		On top	Recessed	Click-on
FL	Length	Long	710	710	710
		Short	560	560	560
FH	Height		31	27 (14*)	21
FW	Width	DF2L06	60	75	75
		DF2L19	80	95	75
FC	Distance from centre of column to front of foot	Long	T: 355 C: 455	T: 355 C: 455	355
		Short	T: 280 C: 380	T: 280 C: 380	280
SD	Distance between centre of adjustment screws	Long	656.8	656.8	649
		Short	506.8	506.8	499

Table 11 Feet dimensions (mm)

* Distance from floor to bottom of column mounting hole.

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