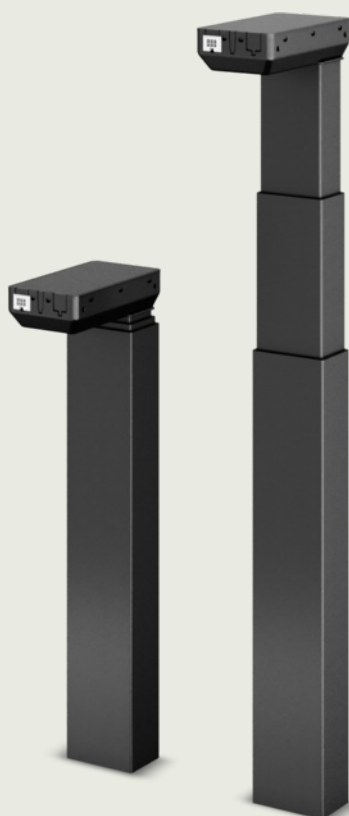


DL21 EXPERIENCE™

Data Sheet





The DL21 EXPERIENCE™ column is part of a whole new generation of lifting columns, raising the bar for electrically height-adjustable desks with true LINAK innovation. On the outside the DL21 EXPERIENCE looks like a classic DL21 PLUS™ column. The real innovation has happened on the inside.

The DL21 EXPERIENCE features fast 80 mm/s speed, 800 N load per column, and a self-lock of 1200 N - all as standard. These three features could previously not coexist in one system. Together with a well-rounded pleasant sound, these features make DL21 EXPERIENCE push the boundaries of what is standard and raise the bar for performance.

Additionally, the 60 x 90 mm rectangular 3-part column is both PVC and PFAS-free addressing the increasing focus on materials and, on top of that, it uses 30% less power while driving than its predecessor, despite the increase in performance. Our standard Control Box CBD6S features ZERO™ ensuring that the system uses less than 0.1 W in standby. Compatibility with DESKLINE® desk panels and all accessories ensures that the integration of DL21 EXPERIENCE is just Plug & Play™. Simply put, EXPERIENCE is engineered to perform and built to last without any sacrifices or compromises making it a perfect choice for office desks and similar desk applications.

Features/Options/Compatibility/Usage

Features

- Three-part motor-housing column
- PLUS™: Invisible gliding pads and a smooth outer profile with no punch marks
- Performance:

Parameter	With CBD6S (300 W or 200 W)
Max. speed (unloaded)	80 mm/s
Max. load (per column)	800 N
Self-lock (per column)	1200 N

- Installation dimension: 560 mm
518 mm (BIFMA)
- Stroke length: 650 mm
665 mm (BIFMA)
- Weight: Approximately 8.5 kg per column
- Dimensions column: 60 x 90 mm (see also [Dimension drawings](#)).
- Dimension motor housing: 177 x 97 x 46 mm
- Four M6 and two M8 threaded holes in bottom plate for mounting of feet
- Colour: Available in black (RAL 9005), grey (RAL 9006) or white (RAL 9016)
- Low sound level

Options

- PIEZO™: Integrated sensor minimising the risk of damage to a desk caused by squeezing or blocking it in upward or downward direction
- Versions prepared for Click-on Feet
- Available with bench bracket, see [Dimension drawings](#)
- Available with custom brackets
- Trim rings in black, grey or white
- Custom colours

Compatibility

- DESKLINE® control boxes
- DESKLINE® controls
- Kick & Click™ top frame
- Desk Frame 5 top frame
- Click-on Feet

EXPERIENCE™ columns are compatible with DESKLINE® control boxes with SW03002024 (ver. 1.06 or later) or SW03002026 (ver. 1.15 or later).

Usage

- Single or 2, 3 or 4 parallel drive
- Duty cycle:
Load $\leq$ 600 N: 10% $\approx$ max. 60 seconds continuous use, followed by 540 seconds pause
Load $>$ 600 N: 5% $\approx$ max. 30 seconds continuous use, followed by 570 seconds pause
- For indoor use in dry locations

Parameter	Operation	Storage and transportation
Temperature	10 to 40 °C	-10 to +50 °C
Relative humidity	20% to 80% - non-condensing	20% to 80% - non-condensing
Atmospheric pressure	800 to 1060 hPa	700 to 1060 hPa
Altitude	Max. 2000 m	N/A



Duty cycle:

If you plan to perform lifetime tests on LINAK systems, please contact LINAK for guidelines.



For system compliance, please refer to the Declaration of Conformity in the [User Manual](#) and to the [CBD6S Data Sheet](#).

Ordering

DL21		
MOTOR TYPE	F	F = EXPERIENCE Motor
SPINDLE PITCH	30	30 = 30 mm pitch
OPTION	0	0 = Standard
OPTION	0	0 = Standard
COLOUR	B001	A120 = Grey (RAL 9006) B001 = Black (RAL 9005) D022 = White (RAL 9016)
TRIM RINGS	0	0 = None A = Grey B = Black D = White
BRACKET	0	0 = None 1 = 120 x 40 x 8 mm (with 2 x M8) L = Bench bracket on left narrow side R = Bench bracket on right narrow side V = DESKLINE bench bracket on left narrow side * H = DESKLINE bench bracket on right narrow side *
DESIGN	P	P = PLUS serie
OPTION	0	0 = Standard
OPTION	0	0 = Standard
FOOT INTERFACE	0	0 = Standard Z = Prepared for Click-on Foot
OPTION	0	0 = Standard
OPTION	0	0 = Standard
PIEZO	0	0 = None E = PIEZO
STROKE LENGTH	0650	0650 = 650 mm 0665 = 665 mm (BIFMA)
INSTALLATION DIM.	560	560 = 560 mm 518 = 518 mm (BIFMA)
DL21F3000B00100P0000000650560		

* Columns with DESKLINE bench bracket (H / V) are compatible with the LINAK cross member set for a complete bench solution. Cross members sets, cable trays, and bridges must be ordered separately.



Please also refer to the [DESKLINE bench accessories Data Sheet](#).



All cables for creating a fully connected DESKLINE® system must be ordered separately. We offer a range of different versions and lengths. To get information such as ordering number, and colour and length of the cables, please contact your local LINAK.



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

Technical data

Performance curves

The following data is measured in connection with 2 or 3 lifting columns and control box CBD6S. The desk is driving upwards.



The curves below apply to a centrally placed load. With moment load, there will be increased friction in the columns, which will reduce the lifting force correspondingly.

EXPERIENCE columns (800 N; 30 mm spindle)

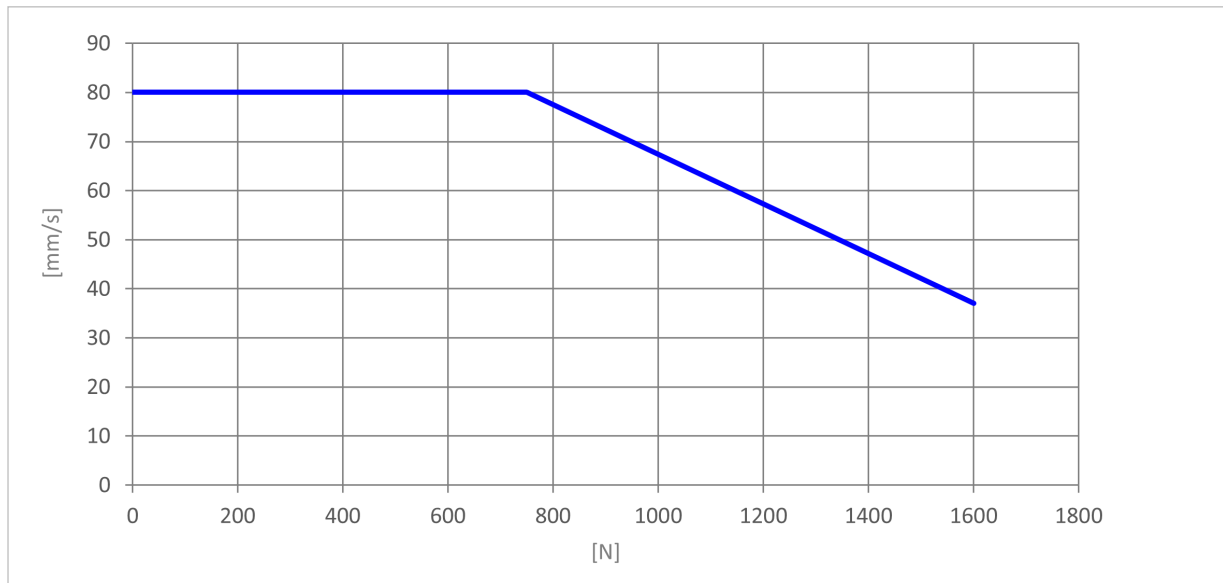


Figure 1 Two columns (equally loaded) - typical speed with CBD6S (230 V) 200 W

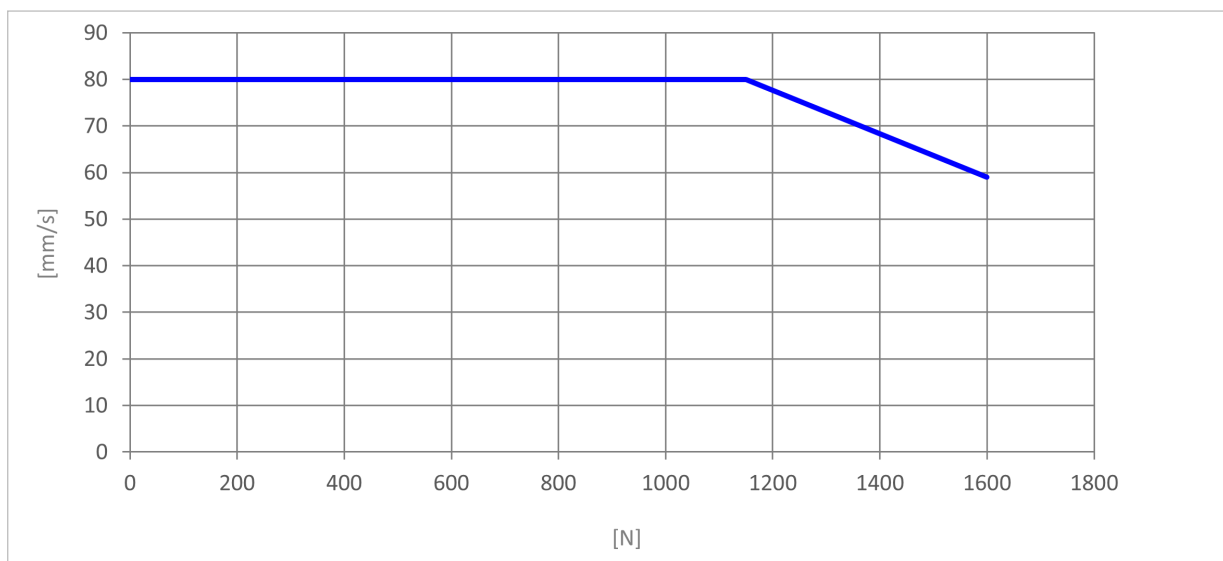


Figure 2 Two columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

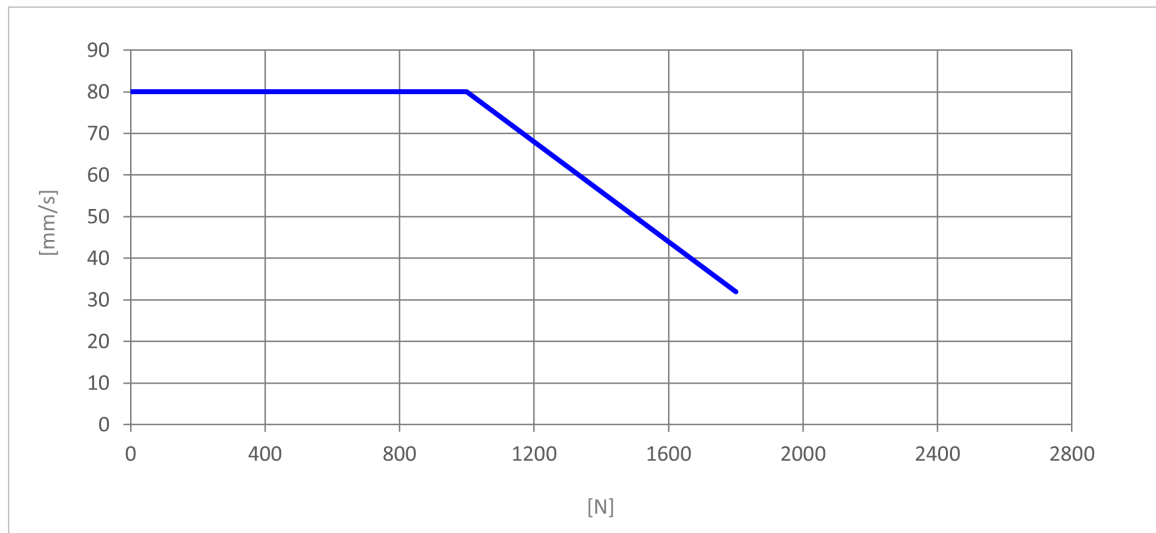


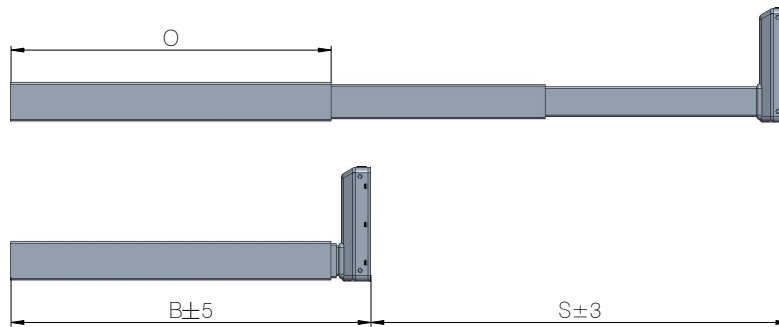
Figure 3 Three columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

Dimension drawings



All dimensions are in mm.

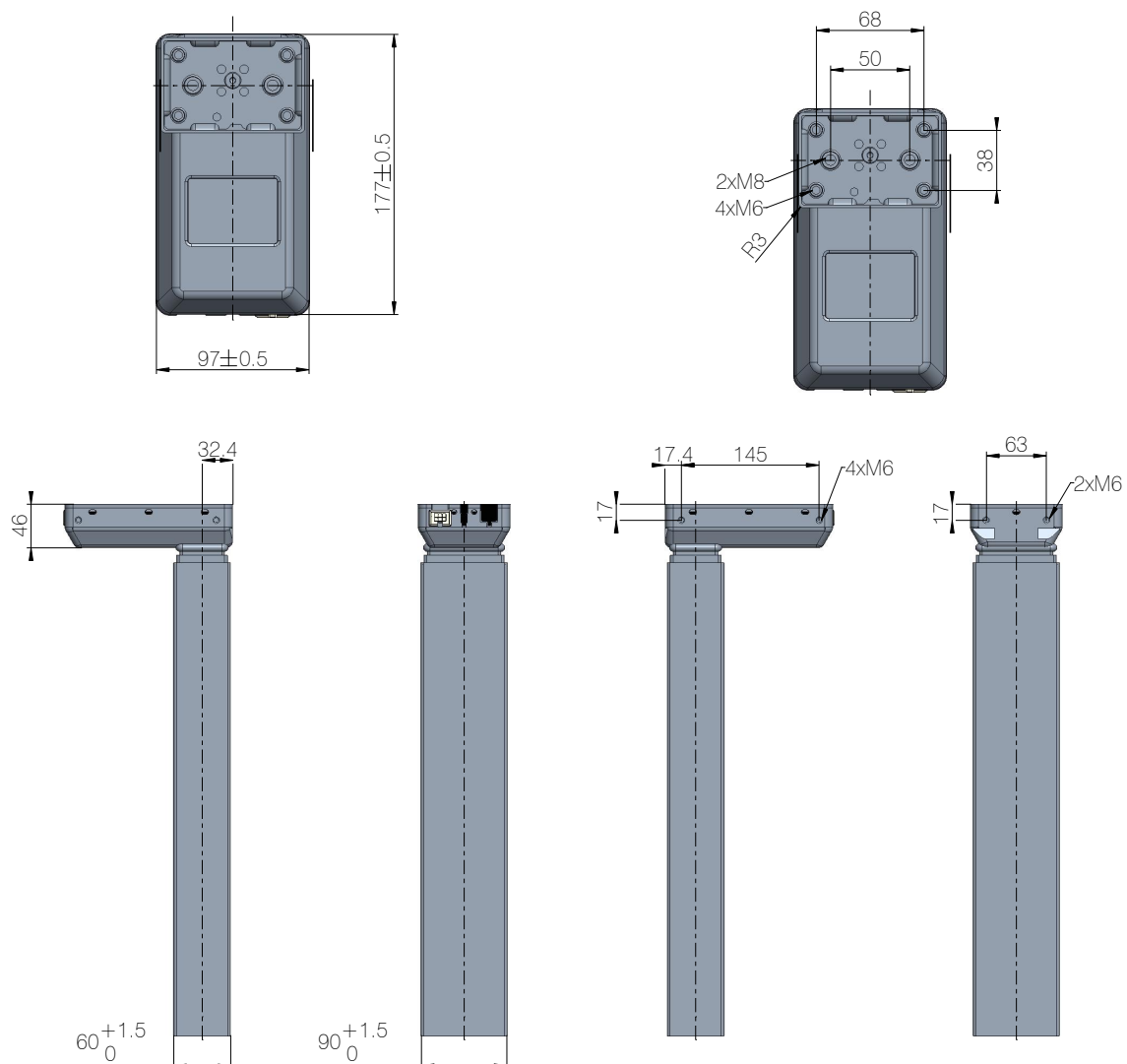
Columns



Drawing no. 1064W8901

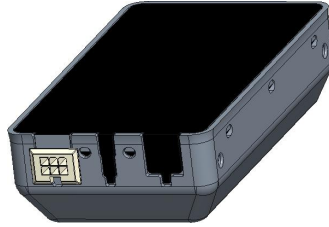
Version	Combination code	S (Stroke length)	B (Built-in length)	O (Outer profile length)
Standard	DL21Fxxxxxxxxxxxxx0650560	650	560	498
BIFMA	DL21Fxxxxxxxxxxxxx0665518	665	518	456

Figure 4 Built-in length, stroke length, and outer profile length



Drawing no. 1064W8901

Figure 5 Motor housing, bottom plate, and profile

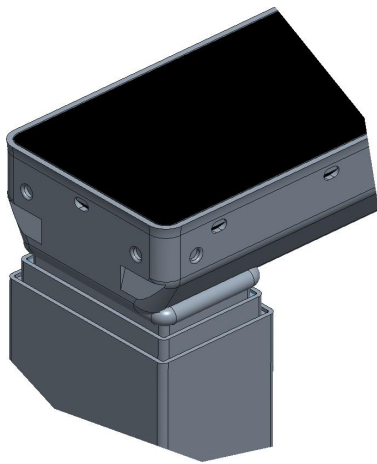


Standard

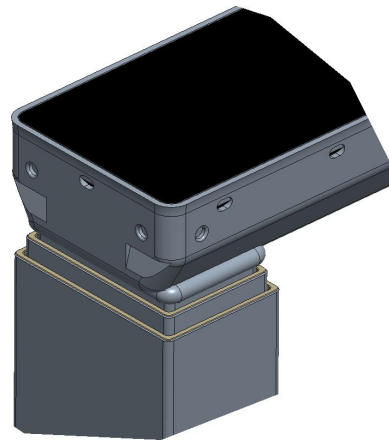
Drawing no. 1064W8901

Combination code	Type
DL21Fxxxxxxxxxxxxxxxxxxxxxx	Standard

Figure 6 Socket combination



Without trim rings

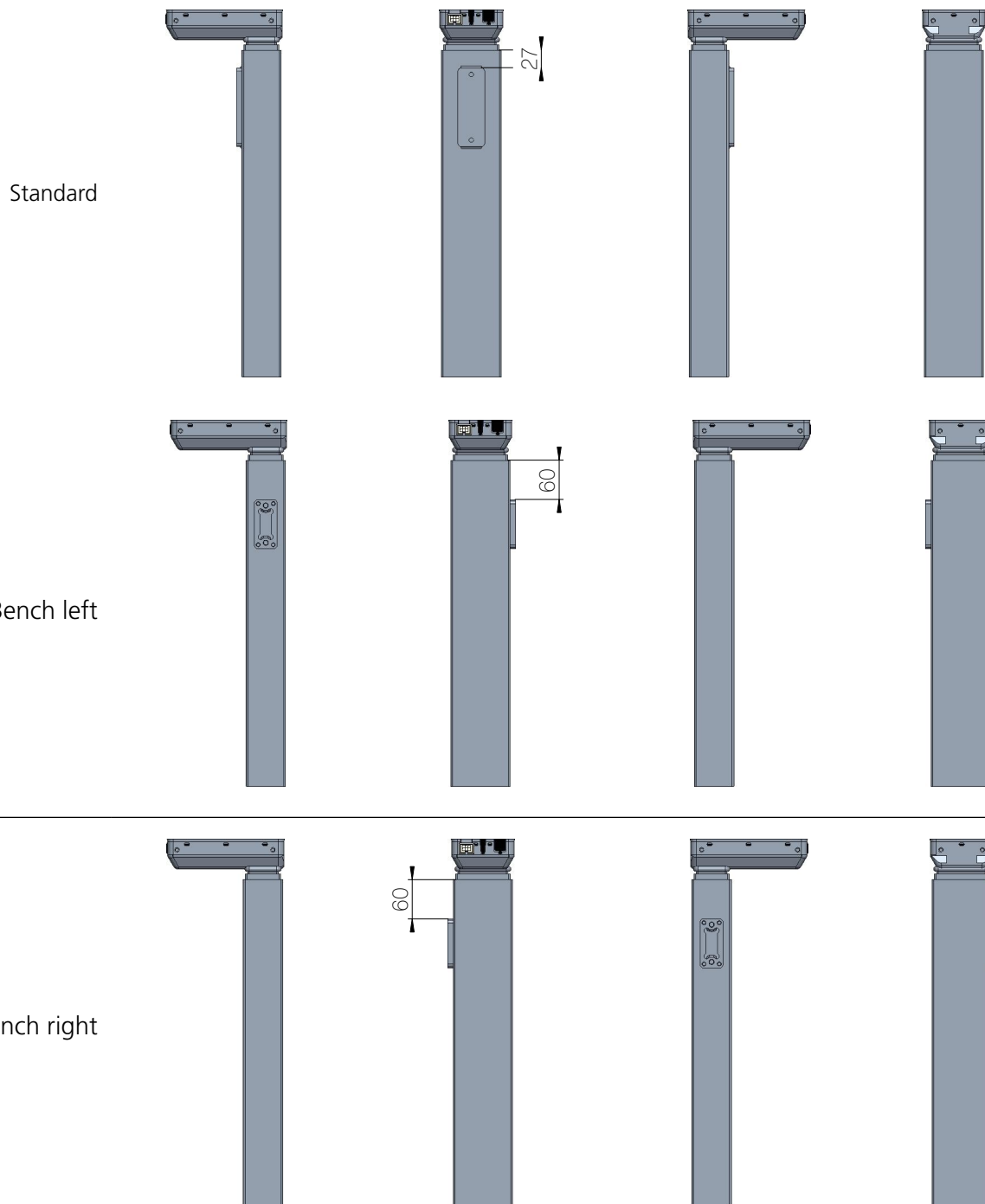


With trim rings

Drawing no. 1064W8901

Figure 7 Design

Bracket options

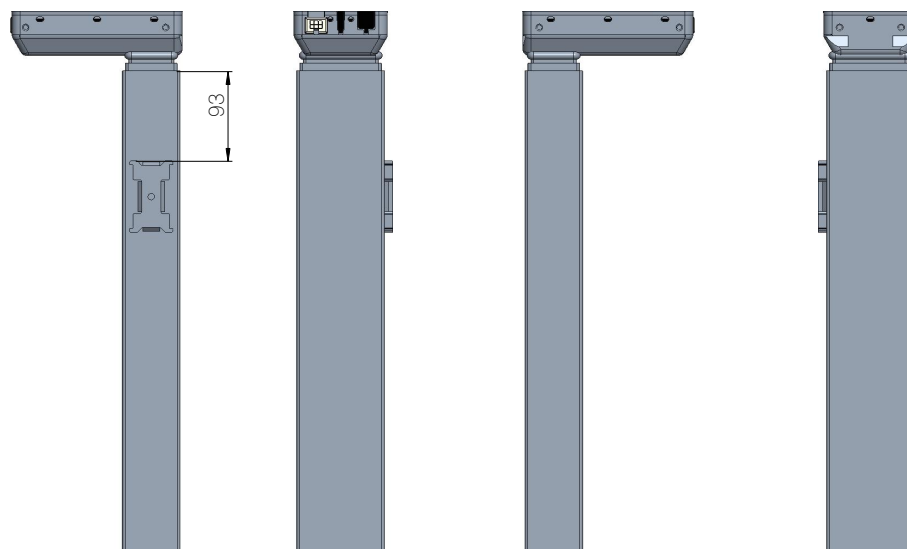


Drawing no. 1064W8901

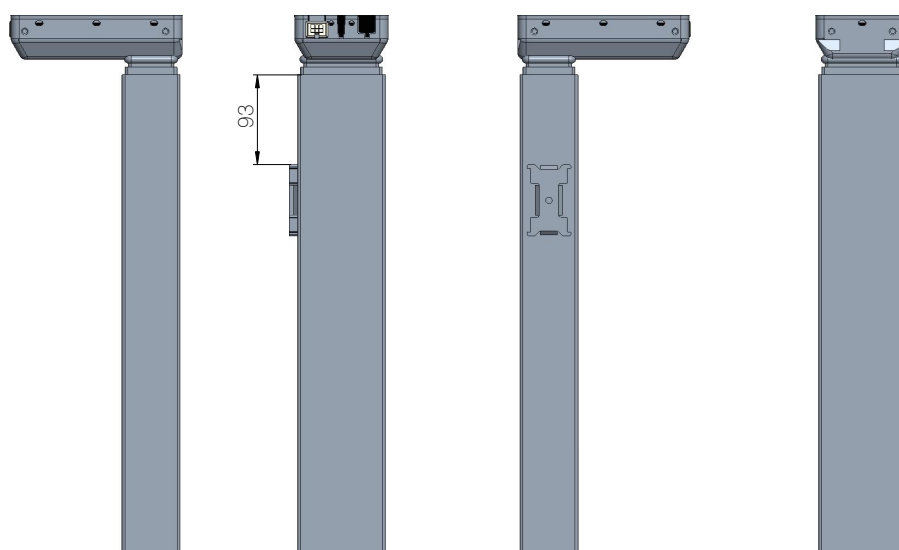
Combination code	Standard	Bench left	Bench right
DL21Fxxxxxxxx1xxxxxxxxxxxxx	X		
DL21FxxxxxxxxLxxxxxxxxxxxxx		X	
DL21FxxxxxxxxRxxxxxxxxxxxxx			X

Figure 8 Bracket options (types 1, L, and R)

Bench left



Bench right



Drawing no. 1064W8901

Combination code	DESKLINE bench left	DESKLINE Bench right
DL21FxxxxxxxxVxxxxxxxxxxxxxx	X	
DL21FxxxxxxxxHxxxxxxxxxxxxxx		X

Figure 9 Bracket options (types V and H) - compatible with LINAK cross members

Brackets

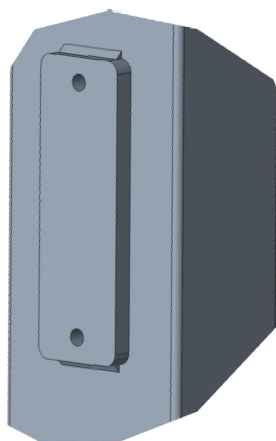


Figure 11 Standard bracket

Drawing no. 1064W8901

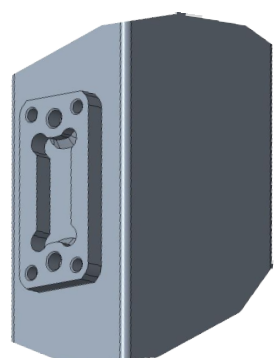


Figure 12 Bench bracket (types L and R)

Drawing no. 1064W8901

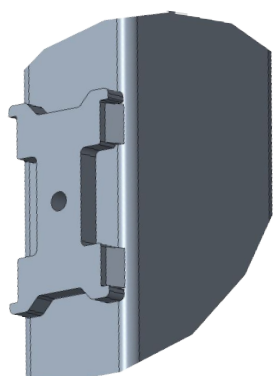
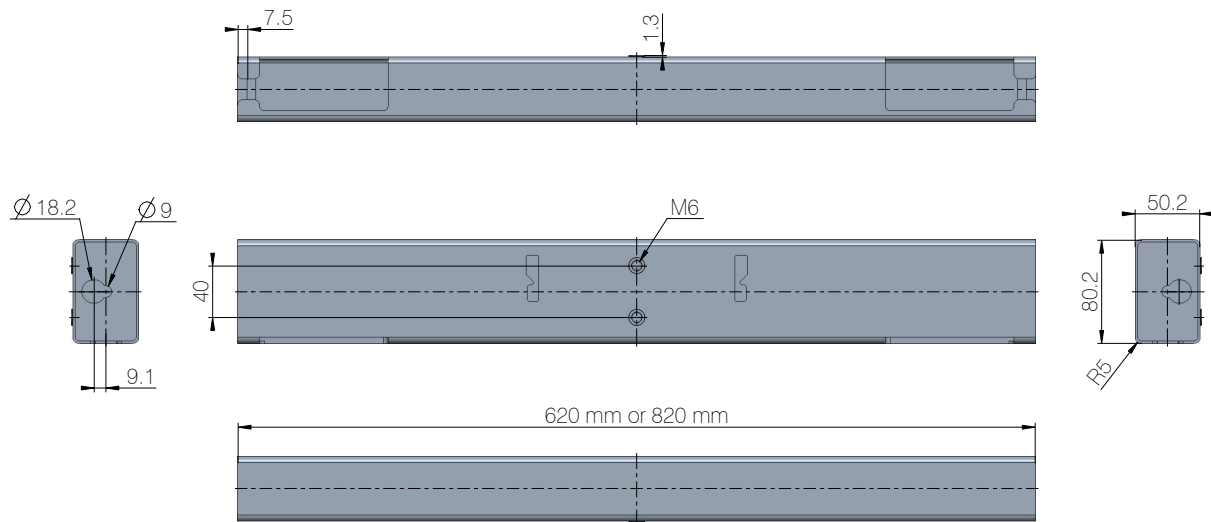


Figure 10 Bench bracket (type V and H) - compatible with LINAK cross members

Drawing no. 1041W7906

Cross members

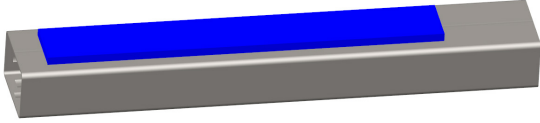
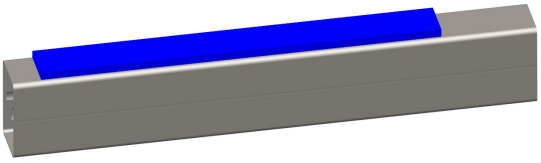
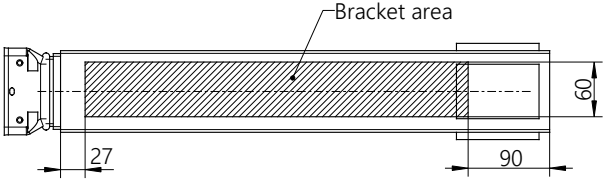
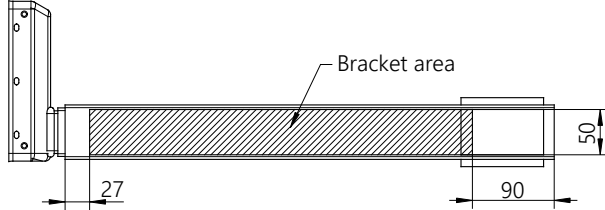
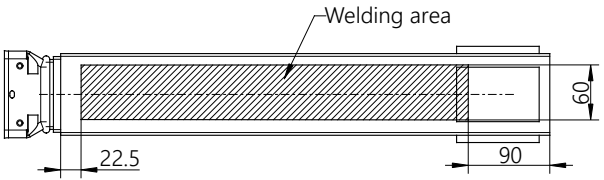
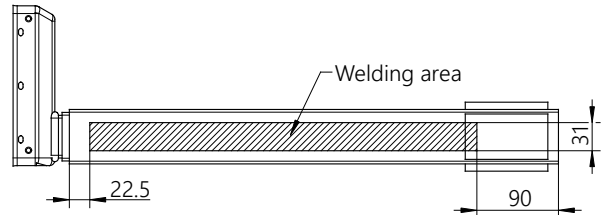


Drawing no. 1066W4030

Figure 13 Cross member

Brackets

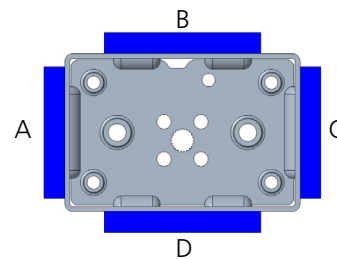
Maximum four brackets can be placed on the same profile. Place the bracket in the specified areas only.

	
Bracket area 	Bracket area 
Welding area 	Welding area 
Bracket dimensions (wide side): Width: maximum 60 mm Thickness: maximum 8 mm	Bracket dimensions (narrow side): Width: maximum 50 mm Thickness: maximum 8 mm

Right and left columns



If you place the bracket on the narrow side of the profile (A or C), you create a right and a left column version (due to the cable outlet).



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