

DL20 EXPERIENCE™

Data Sheet





The DL20 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 DL20 EXPERIENCE looks like a classic DL20 PLUS™ column. The real innovation has happened on the inside.

The EXPERIENCE columns are the first 2-part LINAK columns that feature fast 80 mm/s speed. Furthermore, the DL20 EXPERIENCE feature 800 N load per column, and a self-lock of 1200 N as standard. These three features could previously not coexist in one system. Together with a well-rounded pleasant sound, these features make DL20 EXPERIENCE push the boundaries of what is standard and raise the bar for performance.

Additionally, the 60 x 90 mm rectangular 2-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 DL20 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

- Two-part motor-housing column
- PLUS™: Invisible gliding pads and a smooth outer profile with no punch marks
- In combination with CBD6S:

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

- Installation dimension: 645 mm
- Stroke length: 500 mm
- Weight: Approximately 6.9 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

- Trim ring in black, grey or white
- Available with bench bracket, see [Dimension drawings](#)
- Available with custom brackets
- Customised colours

Compatibility

- DESKLINE® control boxes with SW03002024 (ver. 1.06 or newer) or SW03002026 (ver 1.15 or newer)
- DESKLINE® controls
- Kick & Click™ top frame
- Desk Frame 5 top frame
- Click-on Feet

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 EXPERIENCE columns, 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

DL20		
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 RING	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
OPTION	0	0 = Standard
OPTION	0	0 = Standard
OPTION	0	0 = Standard
OPTION	0	0 = Standard
STROKE LENGTH	0500	0500 = 500 mm
INSTALLATION DIM.	645	645 = 645 mm

DL20F3000B00100P0000000500645

* 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.

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.

DL20 EXPERIENCE 800 N (30 mm spindle)

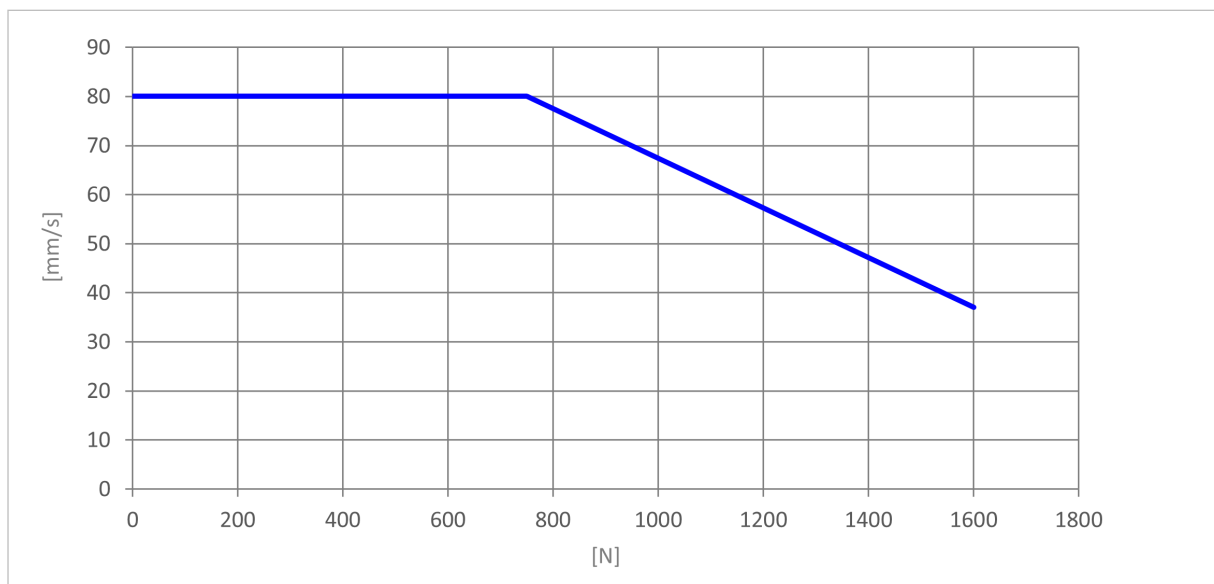


Figure 1 Two columns (equally loaded) - typical speed with CBD6S (230 V) 200 W

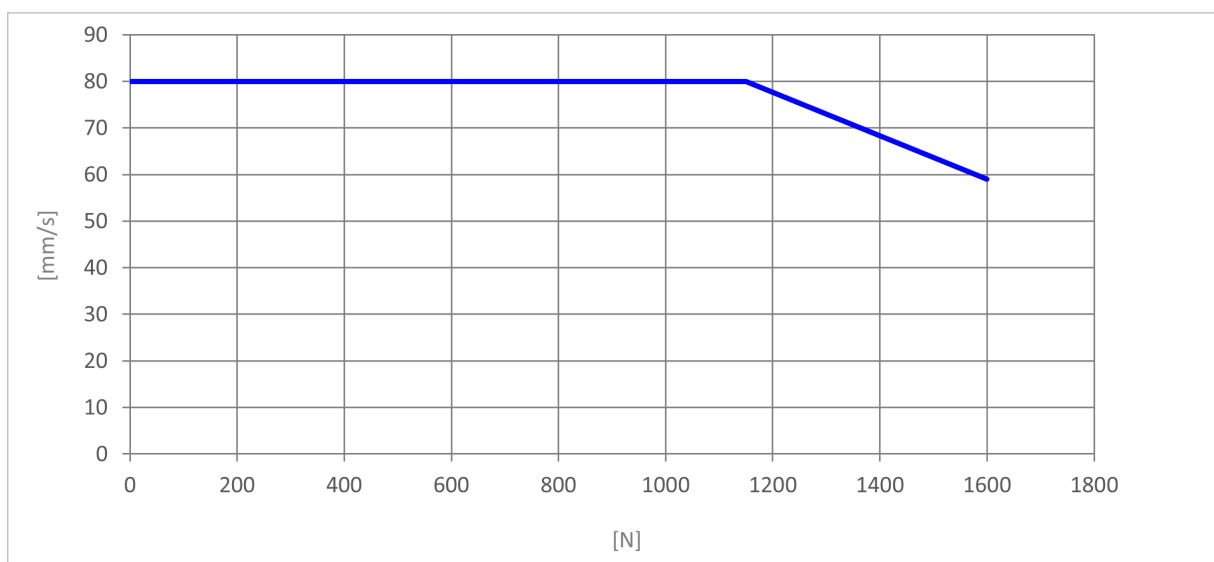


Figure 2 Two columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

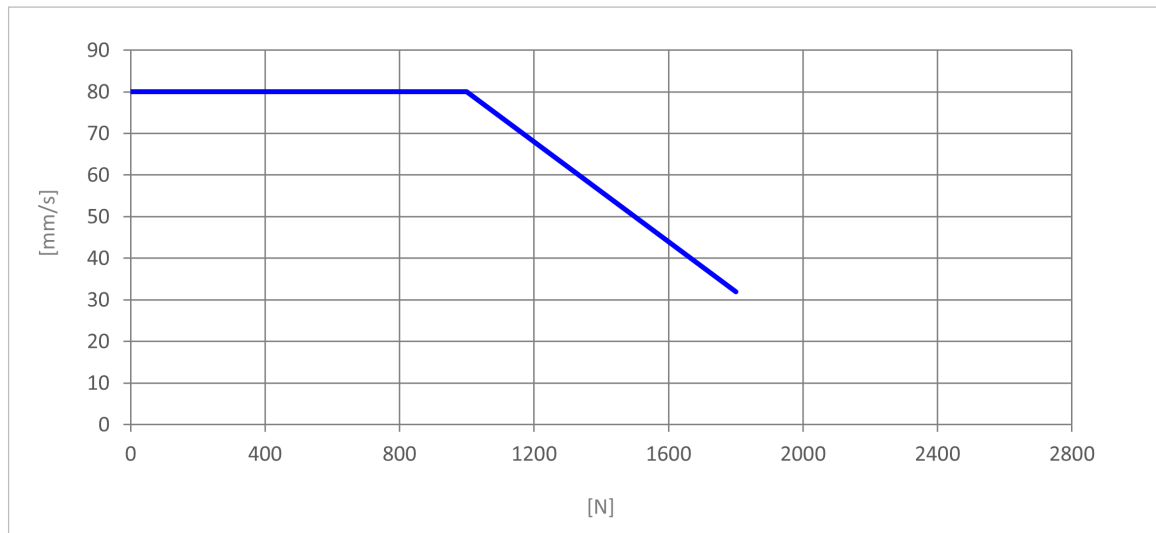


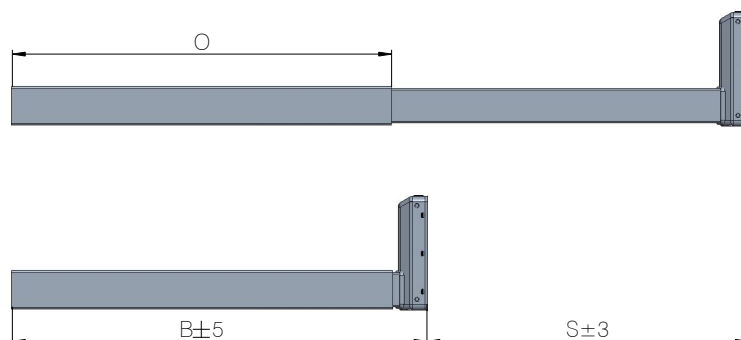
Figure 3 Three columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

Dimension drawings



All dimensions are in mm.

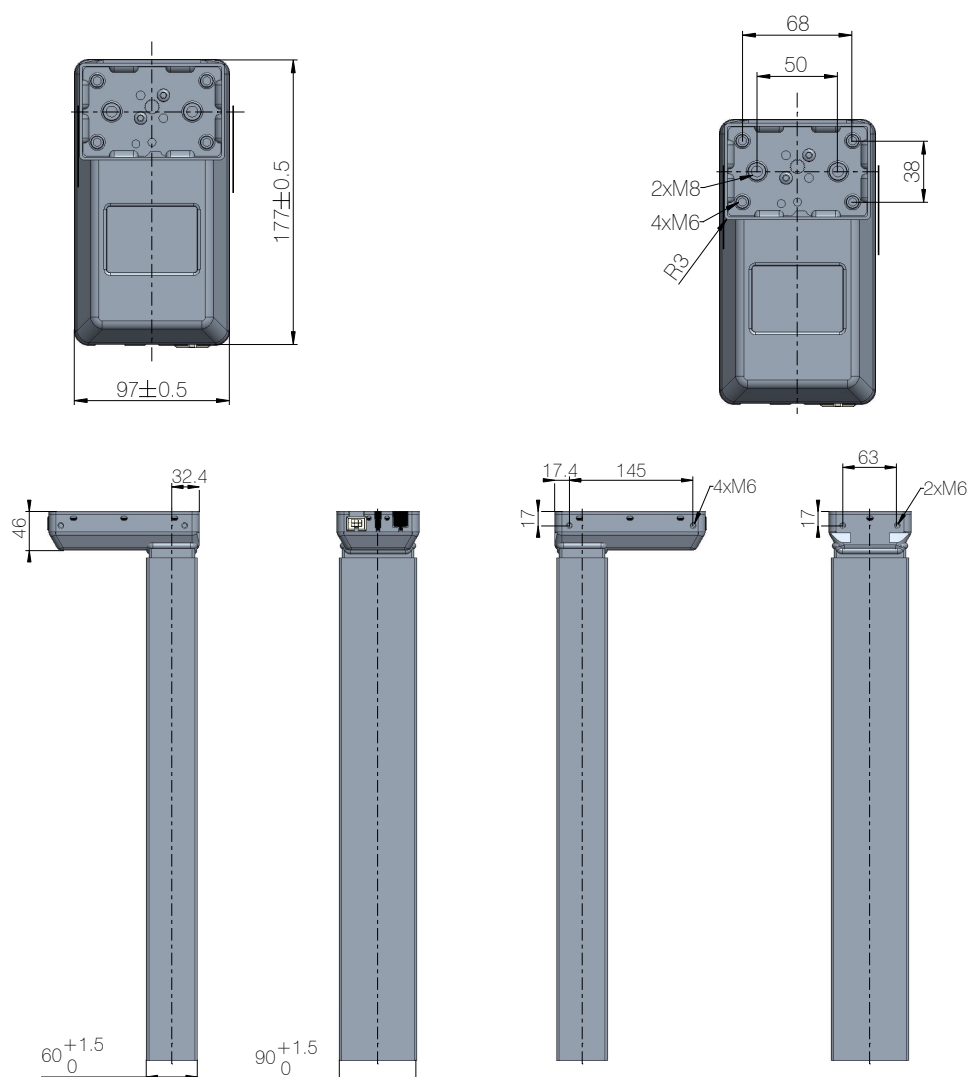
Column



Drawing no. 1064W8902

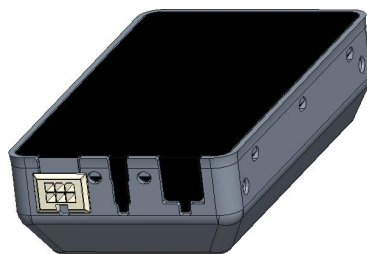
Version	Combination code	S (Stroke length)	B (Built-in length)	O (Outer profile length)
Standard	DL20FXXXXXXXXXXXXXXXXX0500645	500	645	590

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



Drawing no. 1064W8902

Figure 5 Motor housing, bottom plate and profile

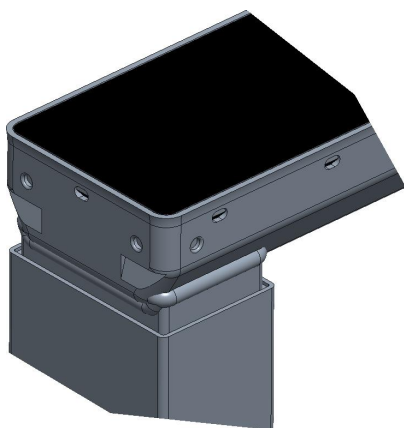


Standard

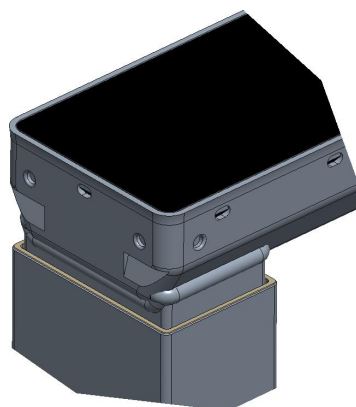
Drawing no. 1064W8902

Combination code	Type
DL20Fxxxxxxxxxxxxxxxxxxxxxxx	Standard

Figure 6 Socket combination



Without trim ring



With trim ring

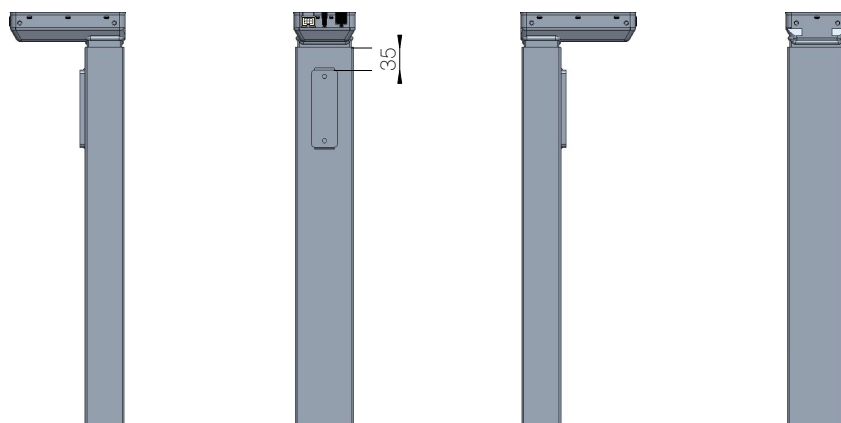
Drawing no. 1064W8902

Figure 7 Design

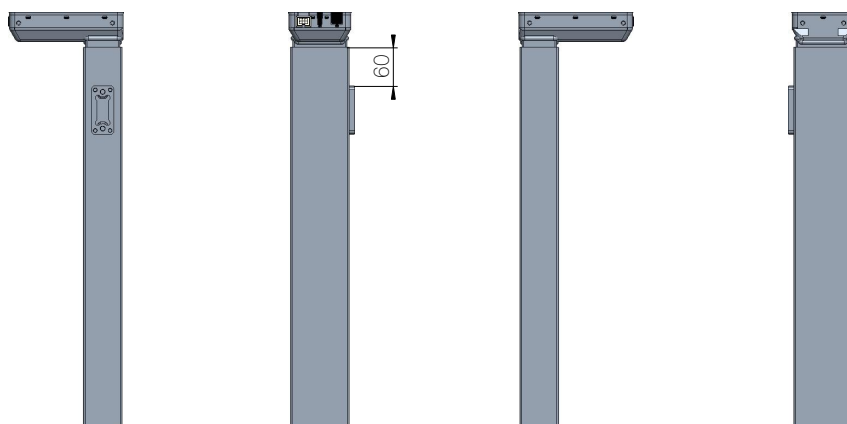
Bracket options

Standard

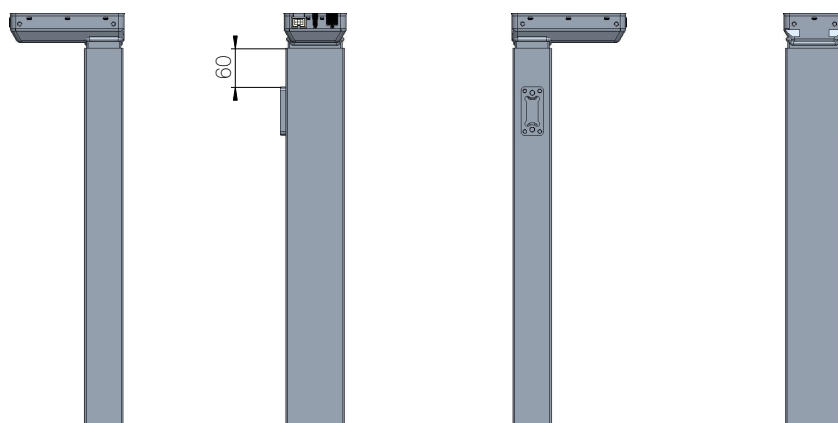
t



Bench left



Bench right

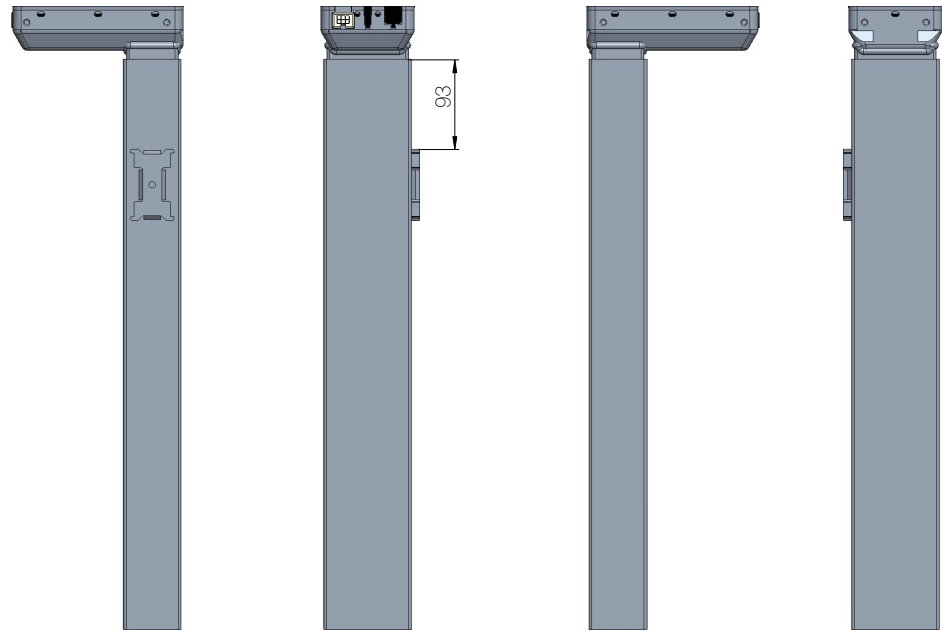


Drawing no. 1064W8902

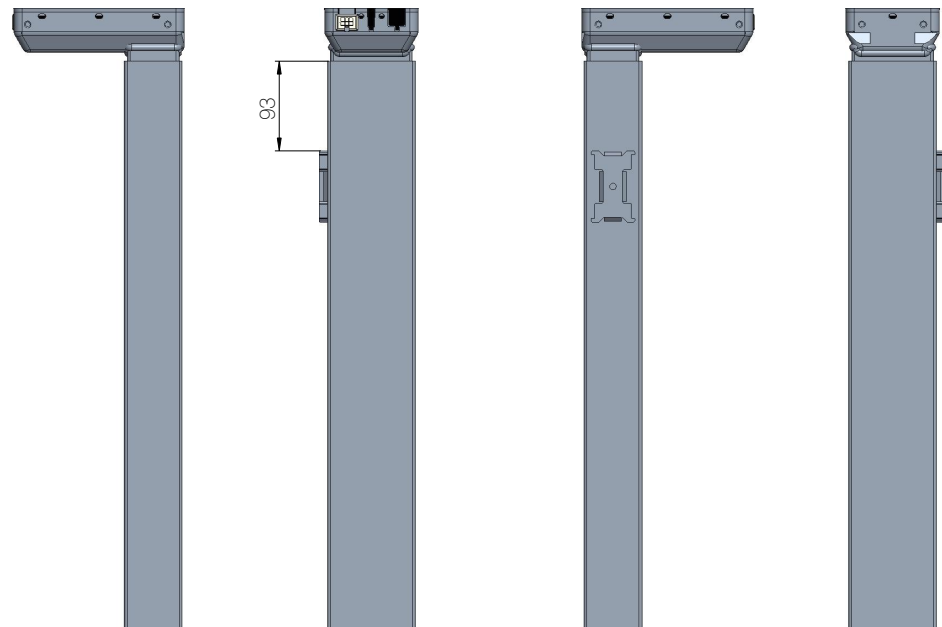
Combination code	Standard	Bench left	Bench right
DL20Fxxxxxxxx1xxxxxxxxxxxxxx	X		
DL20FxxxxxxxxLxxxxxxxxxxxxxx		X	
DL20FxxxxxxxxRxxxxxxxxxxxxxx			X

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

DESKLINE Bench left



DESKLINE Bench right



Drawing no. 1064W8902

Combination code	DESKLINE bench left	DESKLINE bench right
DL20FxxxxxxxxxVxxxxxxxxxxxxxx	X	
DL20FxxxxxxxxxHxxxxxxxxxxxxxx		X

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

Brackets

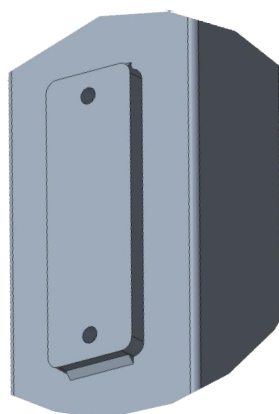


Figure 11 Standard bracket

Drawing no. 1064W8902

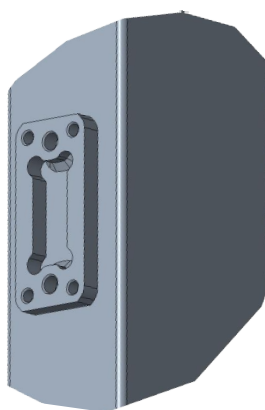


Figure 12 Bench bracket (types L and R)

Drawing no. 1064W8902

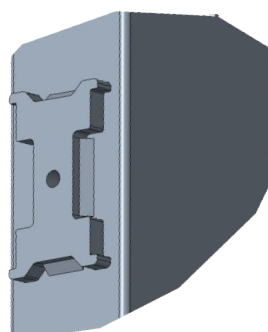
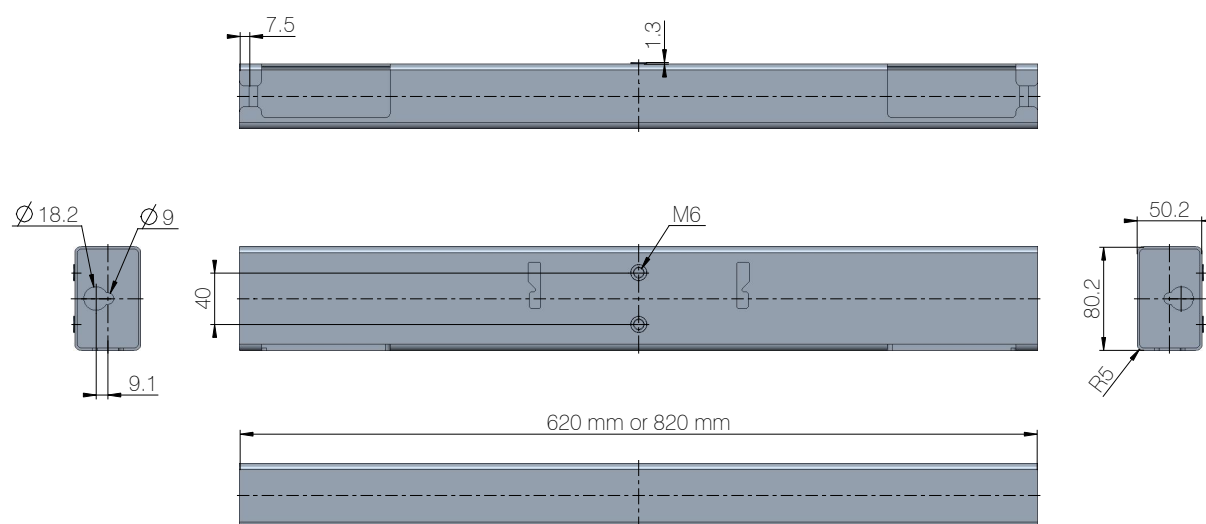


Figure 10 Bench bracket (types V and H) - compatible with LINAK cross members

Drawing no. 1064W8902

Cross members



Drawing no. 1066W4030

Figure 13 Cross member

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