

DL EXPERIENCE™ HD

Data Sheet





The EXPERIENCE™ HD (Heavy Duty) columns represent a new generation of lifting technology, elevating the standard for electrically height-adjustable ergonomic workstations. They are ideally suited for demanding applications such as trading desks, control room consoles, technical and dispatch workstations, and similar industrial setups.

Built on true LINAK® innovation, these columns deliver powerful performance. Each EXPERIENCE™ HD column offers a load capacity of 1200 N, a self-locking force of 1200 N, and an impressive speed of 53 mm/s.

The integrated soft start/stop function ensures smooth, controlled movement. Combined with a low noise level, these features redefine expectations for heavy-duty lifting performance.

Engineered to perform and designed to last, the EXPERIENCE™ HD series is built with high-quality components to ensure robust performance and reliable, trouble-free operation over many years of intensive use.

- Available versions: DL5, DL6, DL10, DL11, DL19, DL20, and DL21
- PVC-free
- PFAS-free
- PIEZO™ anti-collision (optional)
- 10-year warranty on entire system

Our standard Control Box CBD6S features ZERO™ ensuring that the system uses less than 0.1 W in standby. Compatibility with DESKLINE® controls and all accessories ensures that the integration of EXPERIENCE™ HD columns is just Plug & Play™.

Simply put, EXPERIENCE™ HD is engineered to perform and built to last without any sacrifices or compromises, making it a perfect choice for industrial and technical workstations.

Features/Options/Compatibility/Usage

Features

- Two-part or three-part motor-housing column in various profile shapes
- PLUS™: Invisible gliding pads and a smooth outer profile with no punch marks
- Performance:

Parameter	With CBD6S
Max. speed (unloaded)	53 mm/s
Max. load (per column)	1200 N
Self-lock (per column)	1200 N

- Dimensions (see also [Dimension drawings](#)):

Parameter	DL5	DL10	DL20	DL6	DL11	DL19	DL21
Type	2-part			3-part			
Profile [mm]	 50 x 80	 ø70	 60 x 90	 50 x 80	 ø70	 70 x 70	 60 x 90
Built-in length	645 mm			560 mm 518 mm (BIFMA)			
Stroke length	500 mm			650 mm 665 mm (BIFMA)			
Motor housing	177 x 97 x 46 mm						

- Weight (approximate per column):
DL5: 6.1 kg
DL6: 7.3 kg
DL10: 6.1 kg
DL11: 7.4 kg
DL19: 8.3 kg
DL20: 6.9 kg
DL21: 8.5 kg
- 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 system/application caused by squeezing or blocking it in upward or downward direction (only available with 3-part columns)
- Available with bench bracket, see [Dimension drawings](#)
- Available with custom brackets
- Custom colours

Compatibility

- DESKLINE® control boxes
- DESKLINE® desk panels
- Kick & Click™ top frame
- Desk Frame 5 top frame
- DESKLIFT™ Feet

Usage

- Single or 2, 3, or 4 parallel drive
- Duty cycle: 10% ≈ max. 1 minute continuous use, followed by 9 minutes 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

	DL	
COLUMN TYPE	06	05 = DL05 06 = DL06 10 = DL10 11 = DL11 19 = DL19 20 = DL20 21 = DL21
MOTOR TYPE	F	F = EXPERIENCE Motor
SPINDLE PITCH	20	20 = 20 mm pitch
OPTION	0	0 = Standard
OPTION	0	0 = Standard
COLOUR	B001	A120 = Grey (RAL 9006) B001 = Black (RAL 9005) D022 = White (RAL 9016)
OPTION	0	0 = Standard
BRACKET *	0	0 = None 1 = 120 x 40 x 8 mm (with 2 x M8) L = Bench bracket on left side R = Bench bracket on right side V = DESKLINE bench bracket on left side ** H = DESKLINE bench bracket on right side ** X = Custom bracket
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
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)

DL06F2000B00100P0000000650560

* Brackets are not available with DL10 and DL11.

** 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.



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.



Do not configure the actuator type in the control box. These columns have IID, and the actuator type will automatically be detected by the control box.



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 to 4 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™ HD columns (1200 N; 20 mm spindle)

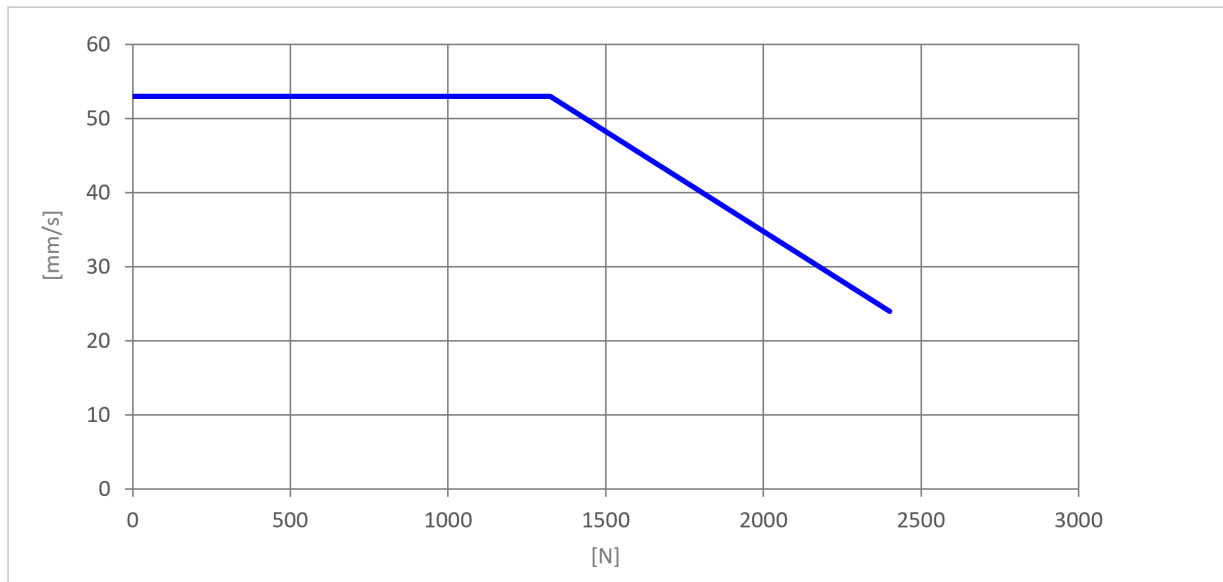


Figure 1 Two columns (equally loaded) - typical speed with CBD6S (230 V) 200 W

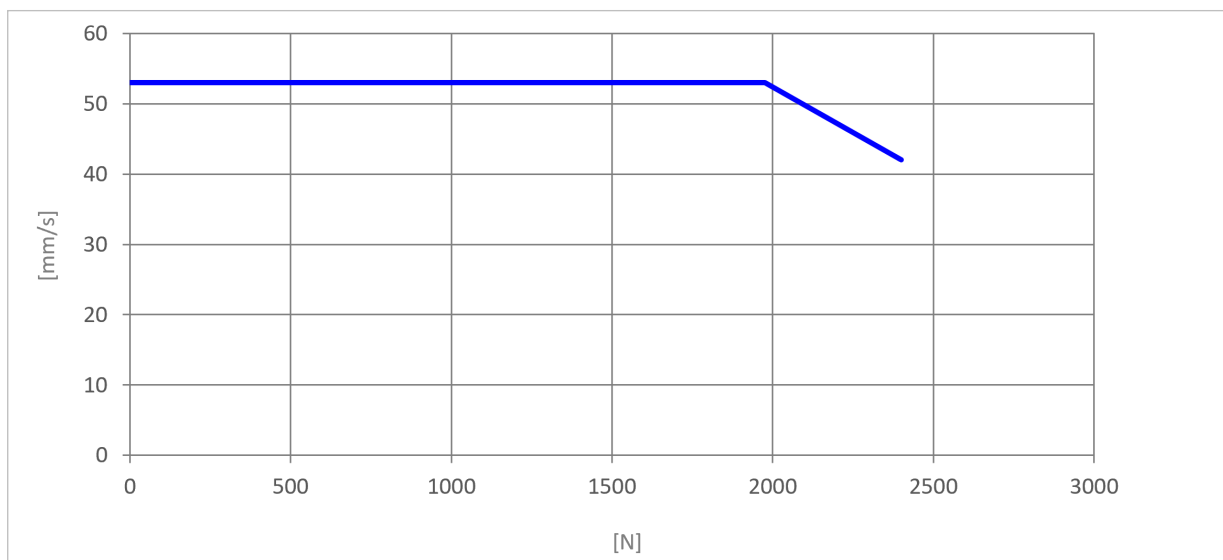


Figure 2 Two columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

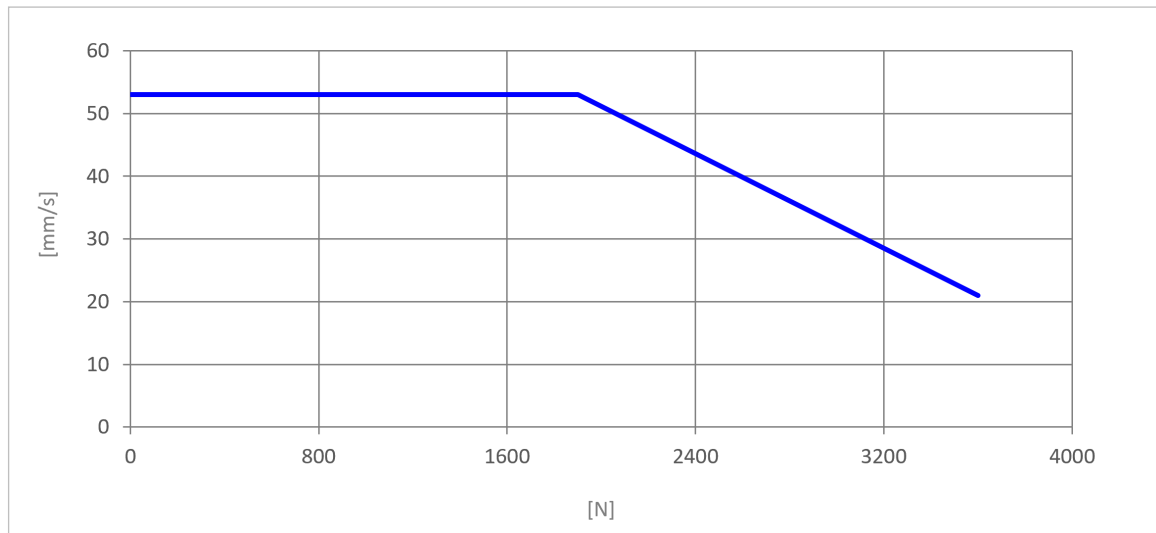


Figure 3 Three columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

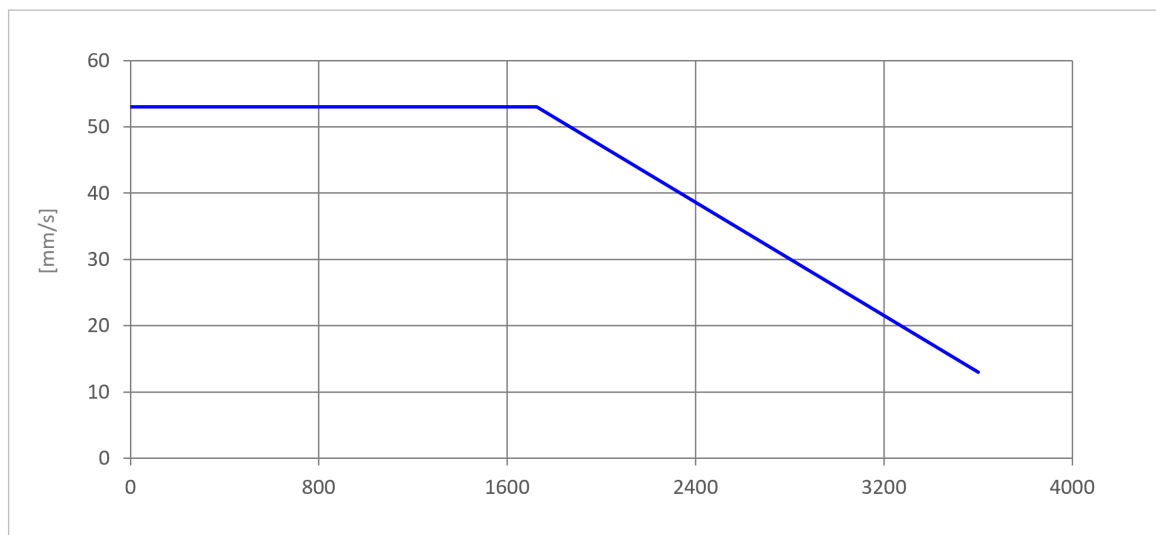


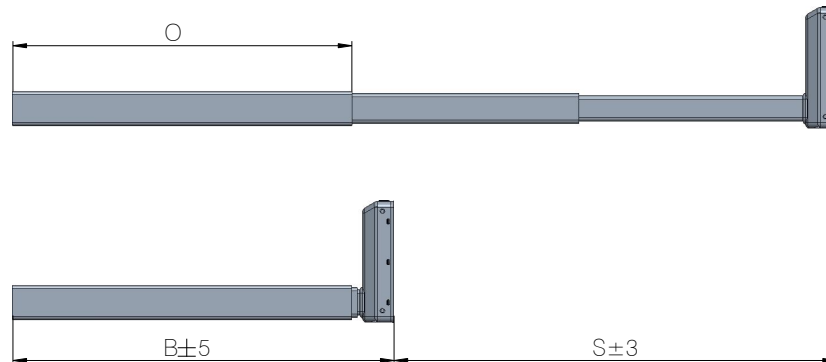
Figure 4 Four columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

Dimension drawings



All dimensions are in mm and without powder coating.

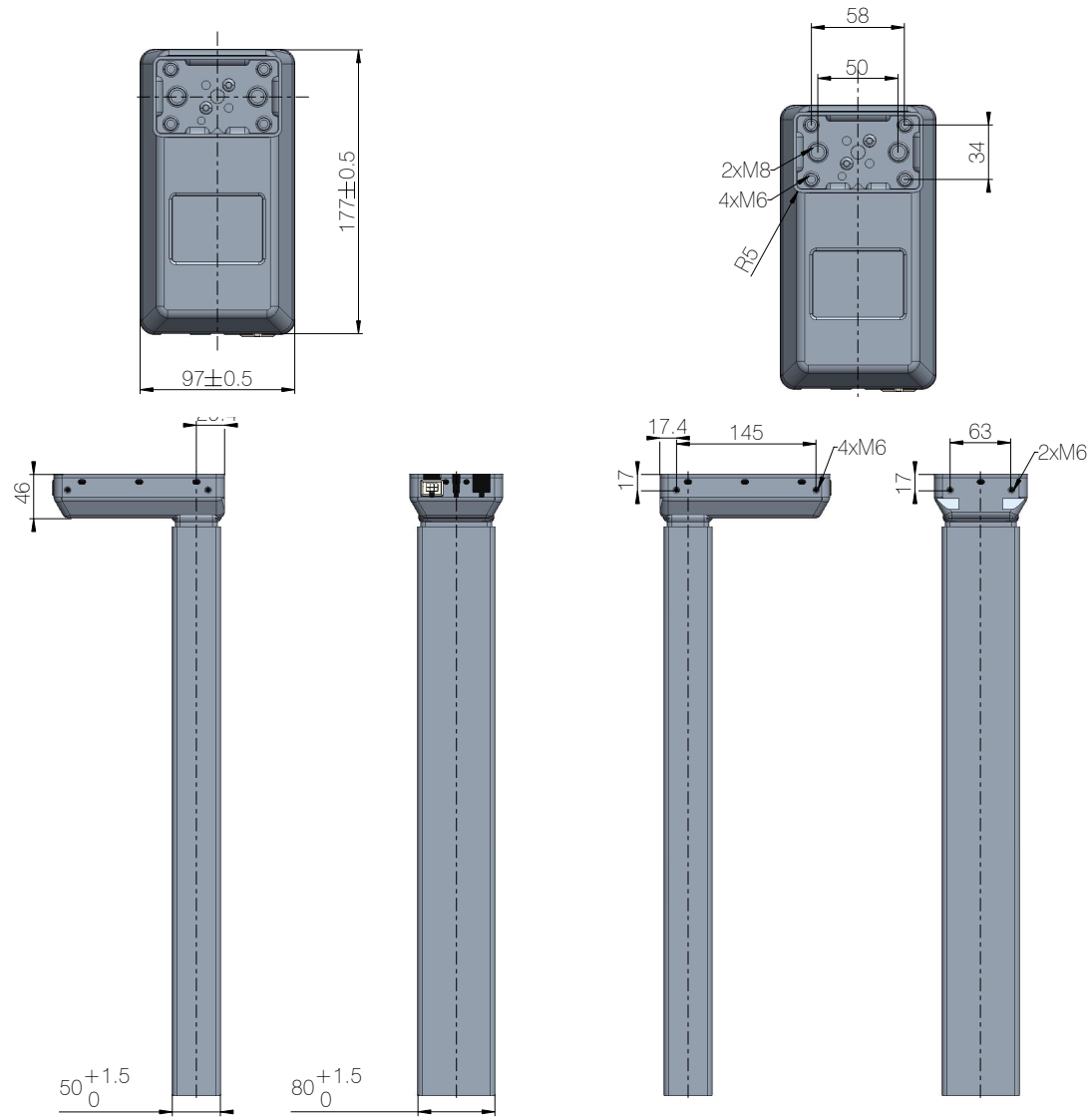
Columns



Drawing no. 1041W7906

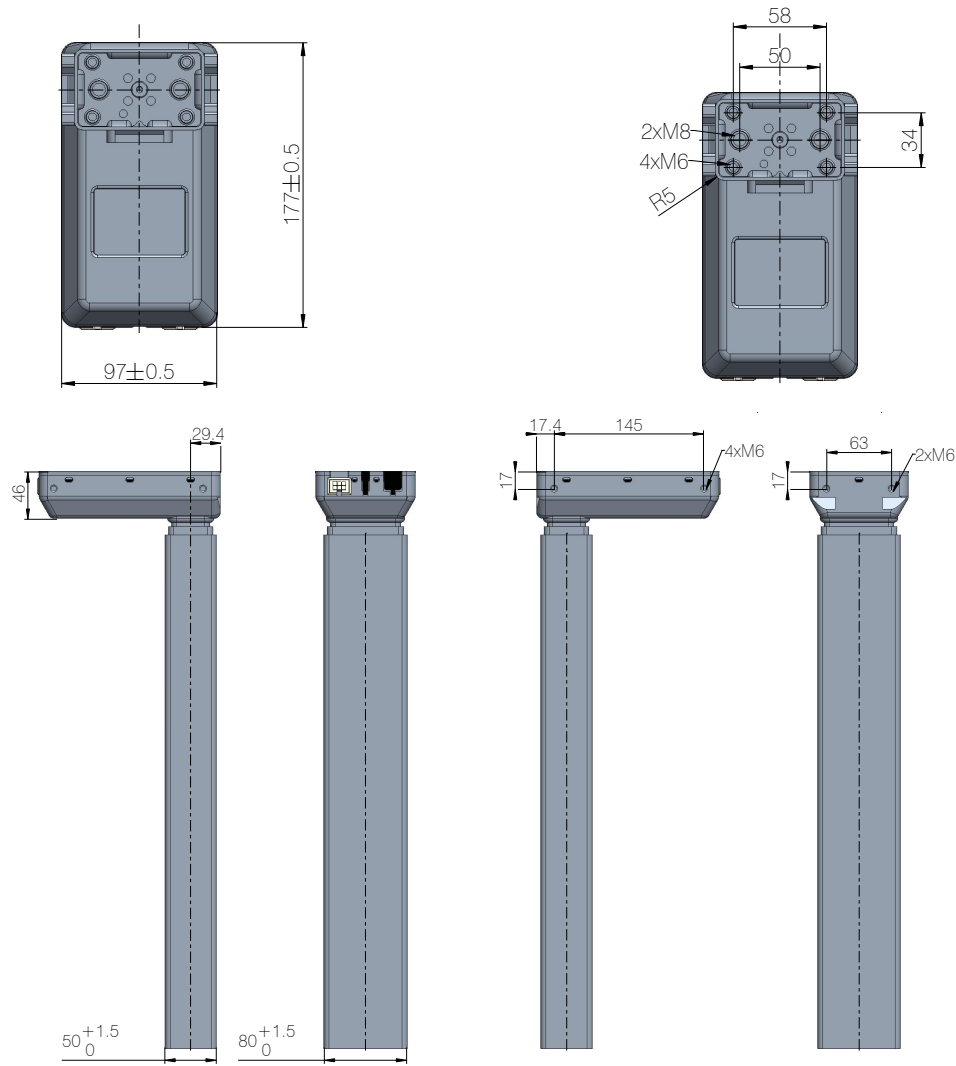
Type	Version	Combination code	S (Stroke length)	B (Built-in length)	O (Outer profile length)
3-part	Standard	DLxxFxxxxxxxxxxxxxxxx0650560	650	560	498
3-part	BIFMA	DLxxFxxxxxxxxxxxxxxxx0665518	665	518	456
2-part	Standard	DLxxFxxxxxxxxxxxxxxxx0500645	500	645	590

Figure 5 Built-in length, stroke length, and outer profile length



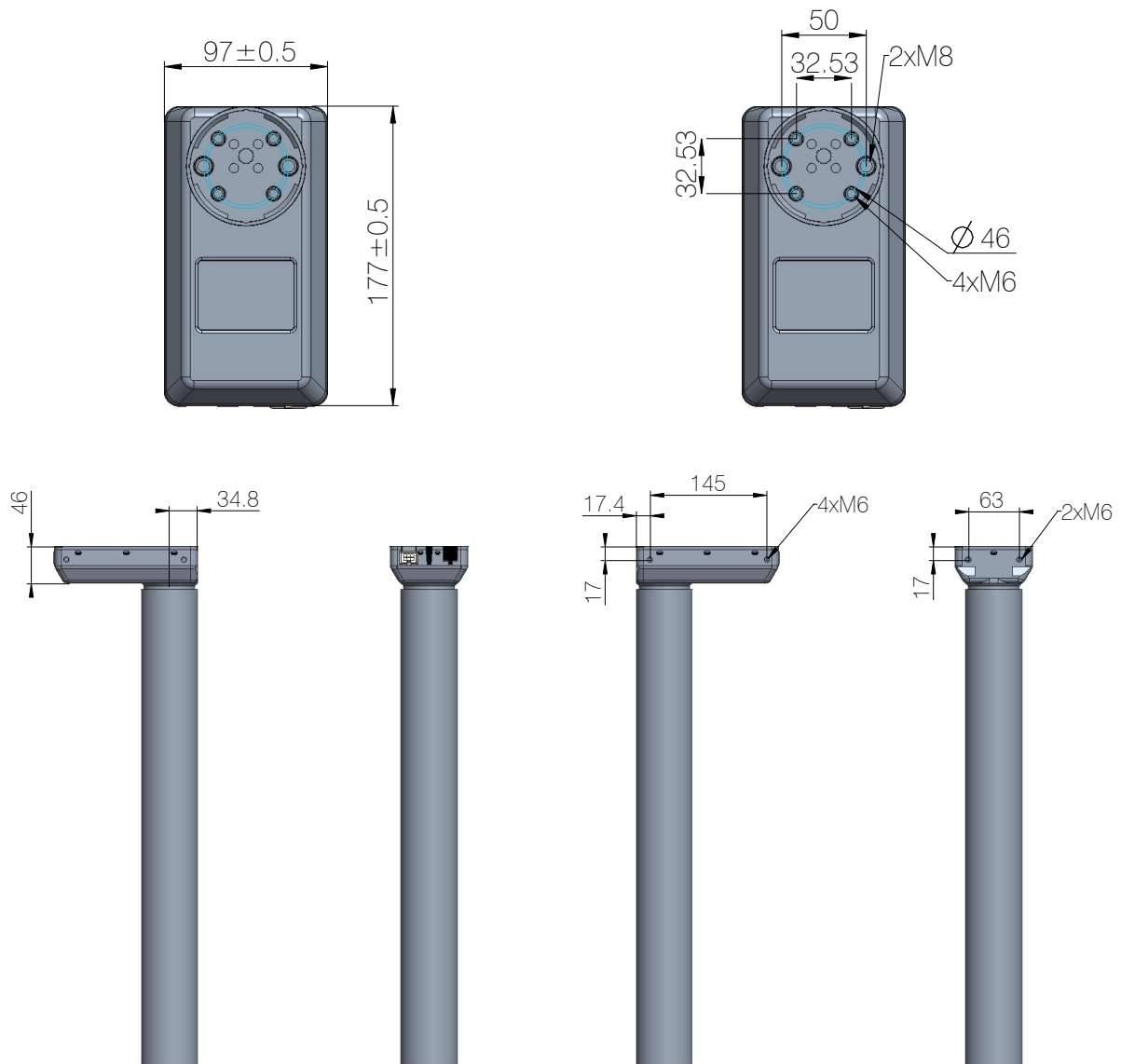
Drawing no. 1041W7909

Figure 6 DL5 motor housing, bottom plate, and profile



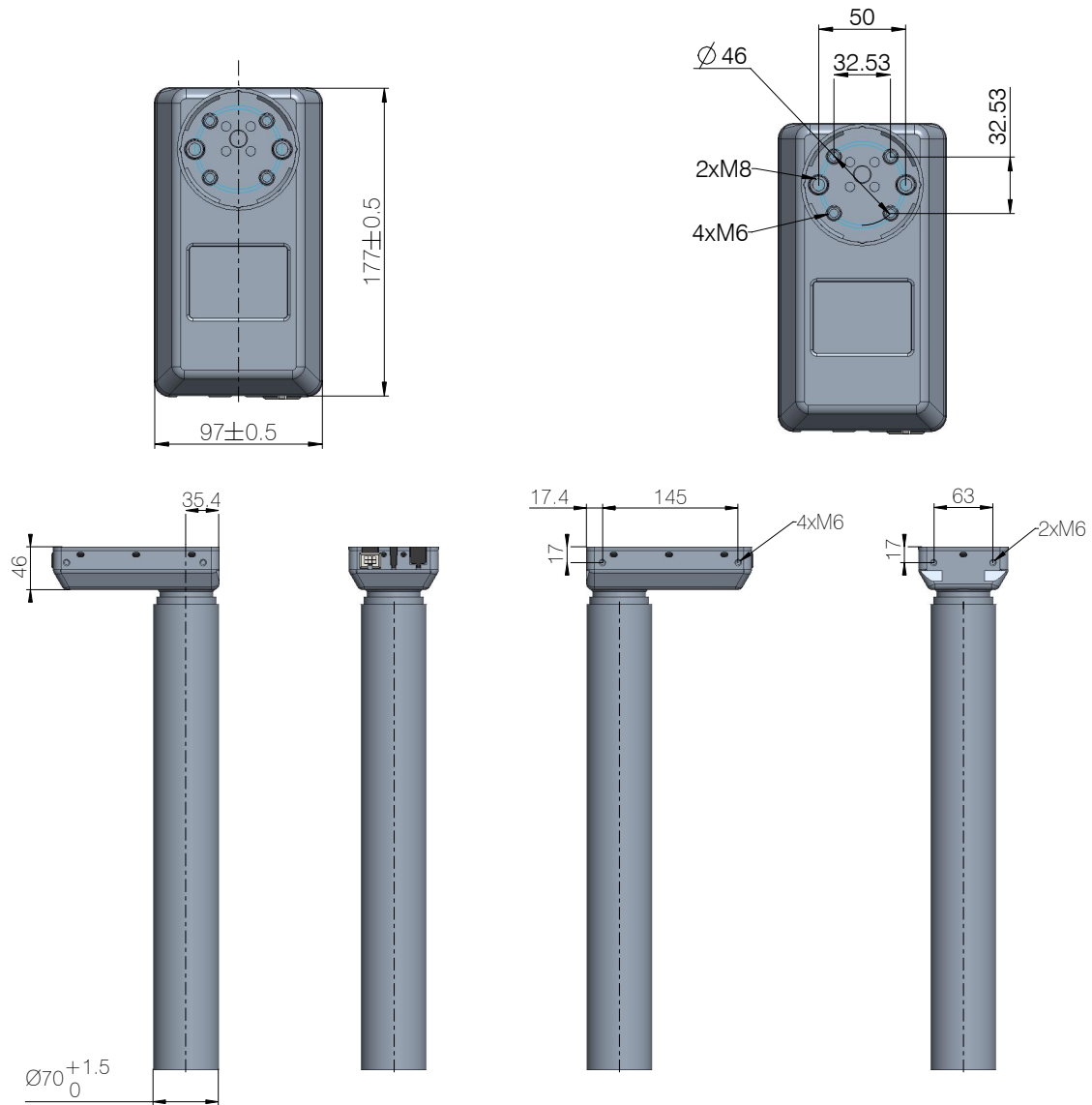
Drawing no. 1041W7906

Figure 7 DL6 motor housing, bottom plate, and profile



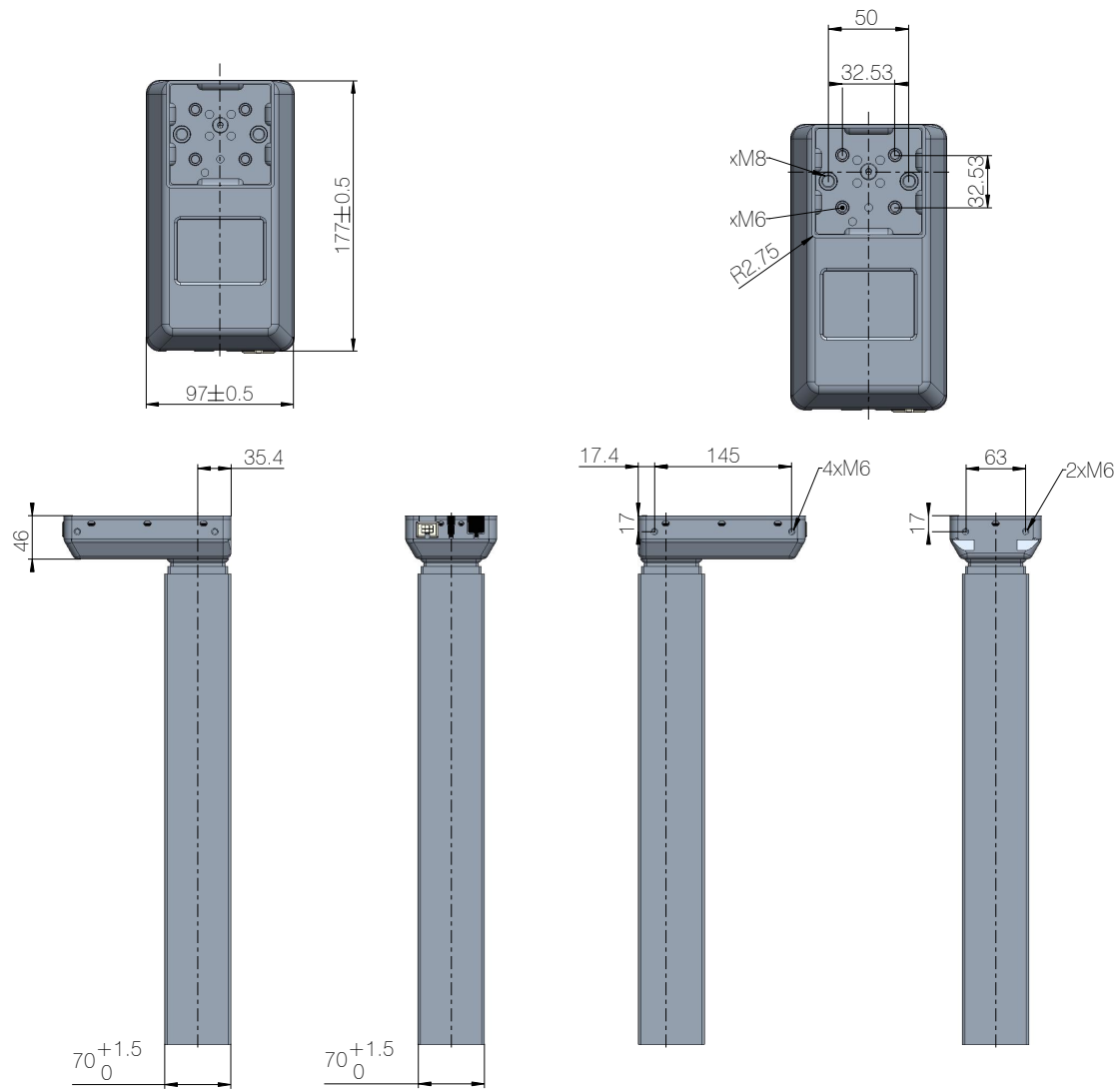
Drawing no. 1040W7901

Figure 8 DL10 motor housing, bottom plate, and profile



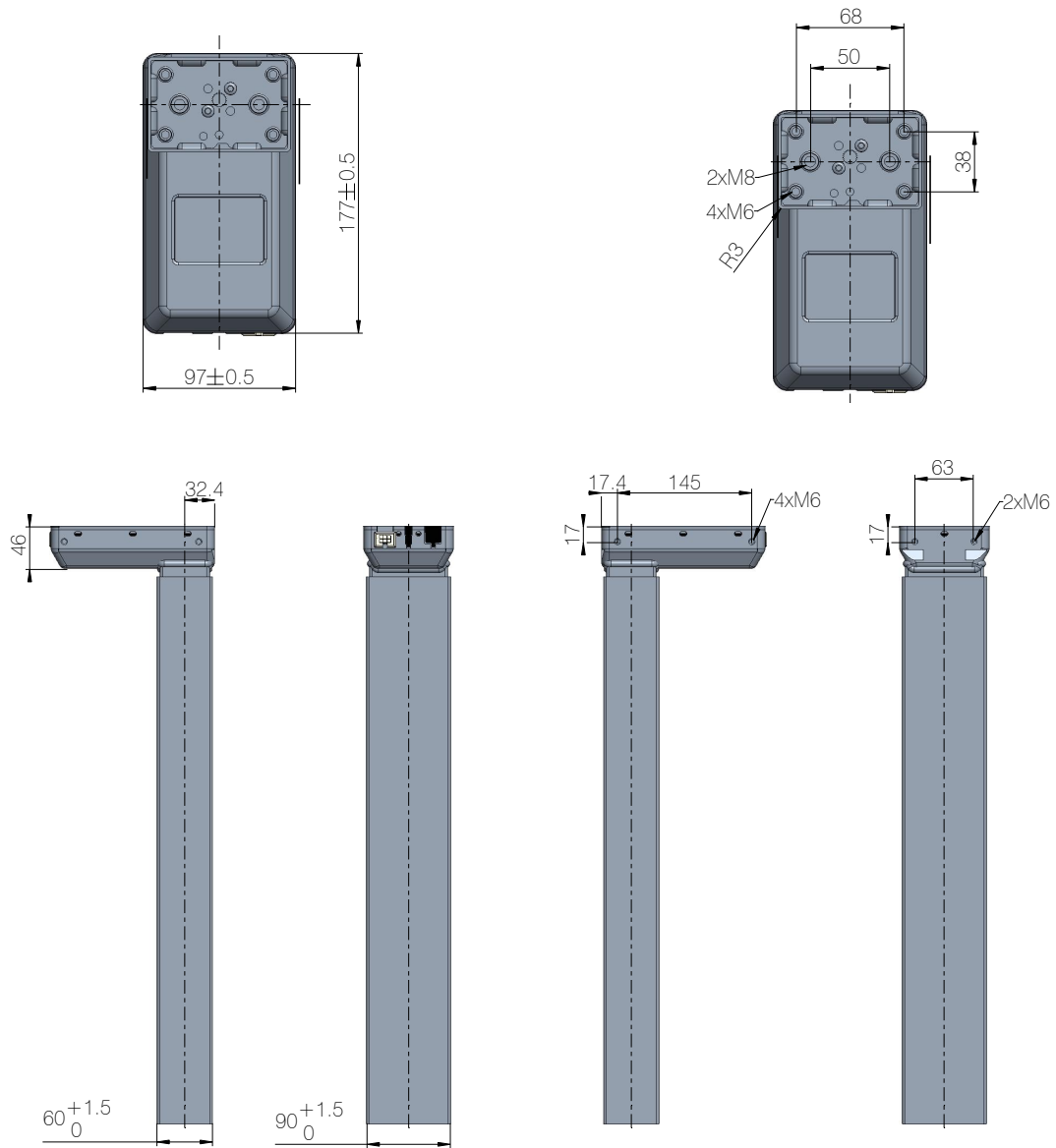
Drawing no. 0699101

Figure 9 DL11 motor housing, bottom plate, and profile



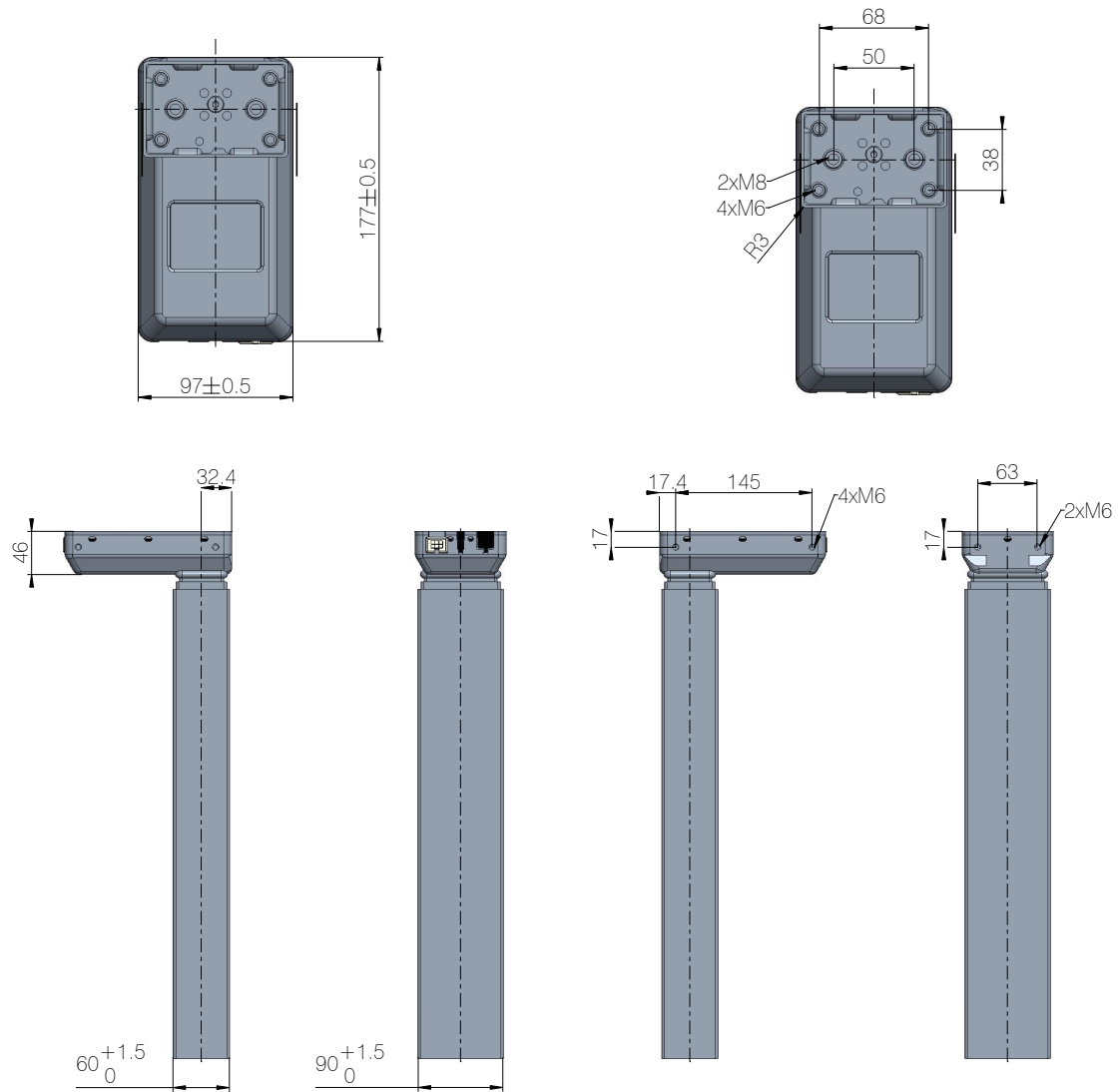
Drawing no. 1029W7901

Figure 10 DL19 motor housing, bottom plate, and profile



Drawing no. 1064W8902

Figure 11 DL20 motor housing, bottom plate, and profile



Drawing no. 1064W8901

Figure 12 DL21 motor housing, bottom plate, and profile



EXPERIENCE™

Drawing no. 1041W7906

Combination code	Type
DLxxFxxxxxxxxxxxxxxxxxxxxxx	EXPERIENCE™

Figure 13 Socket combination

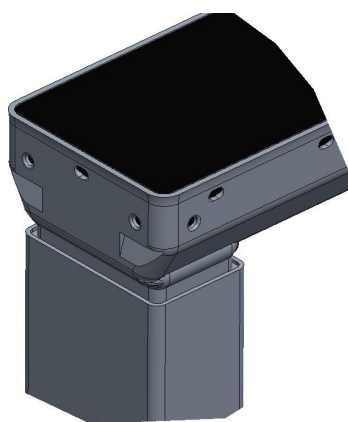


Figure 14 DL5 profile design

Drawing no. 1041W7909

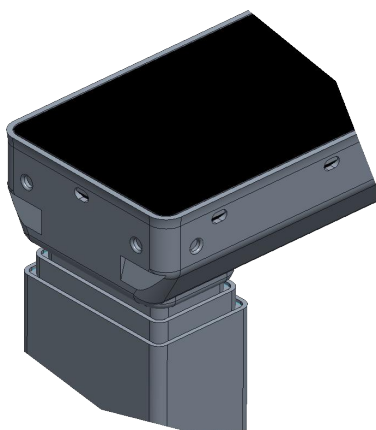


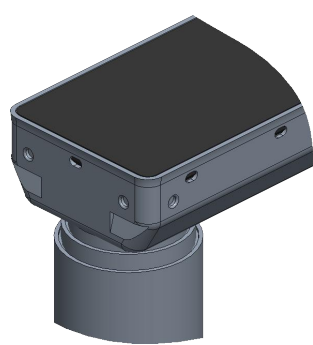
Figure 15 DL6 profile design

Drawing no. 1041W7906

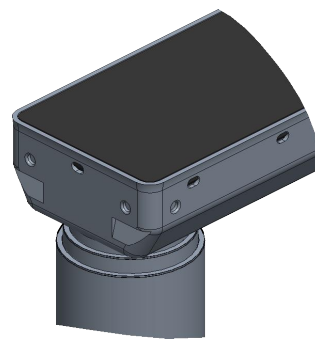


Figure 16 DL10 profile design

Drawing no. 1040W7901



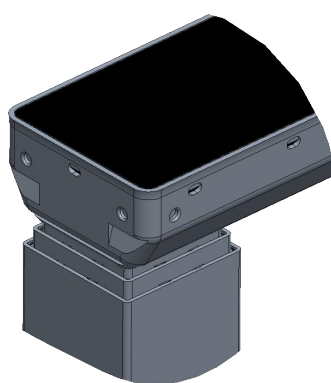
Without trim rings



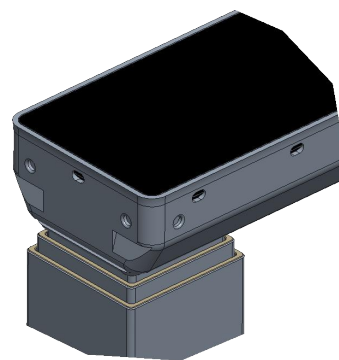
With trim rings

Figure 17 DL11 profile design

Drawing no. 0699101



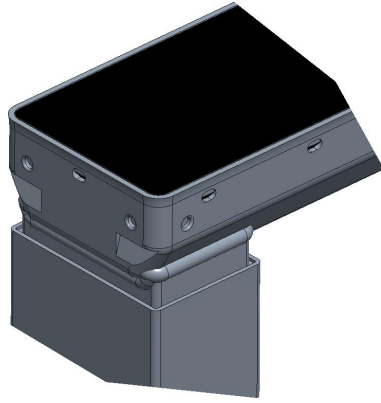
Without trim rings



With trim rings

Figure 18 DL19 profile design

Drawing no. 1029W7901



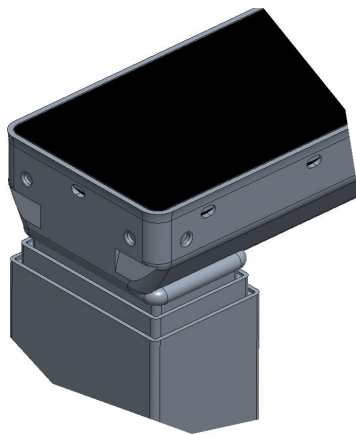
Without trim rings



With trim rings

Drawing no. 1064W8902

Figure 19 DL20 profile design



Without trim rings



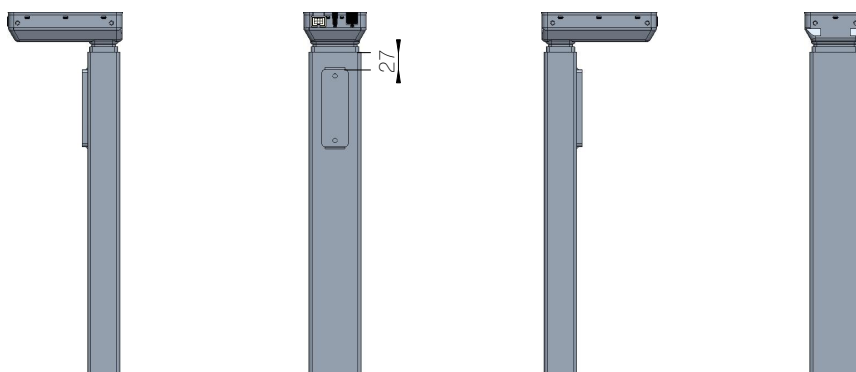
With trim rings

Drawing no. 1064W8901

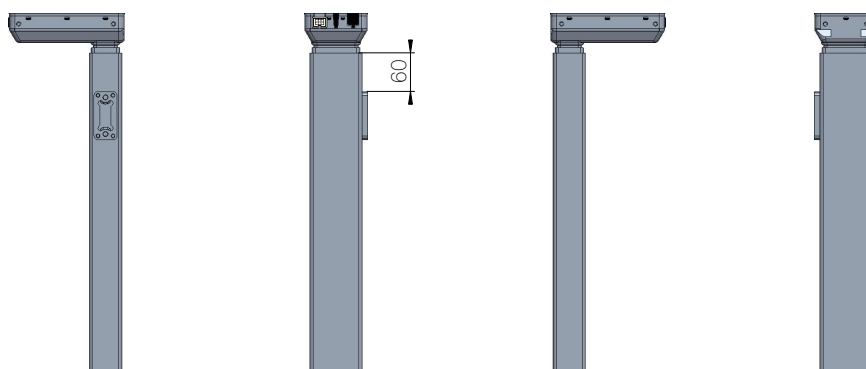
Figure 20 DL21 profile design

Bracket options

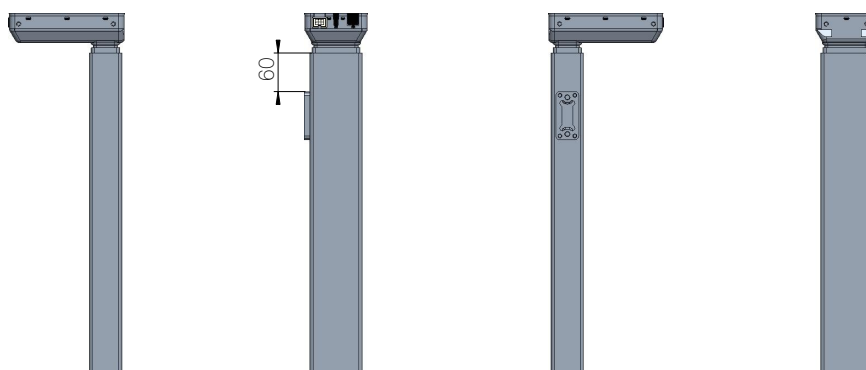
Standard



Bench left



Bench right

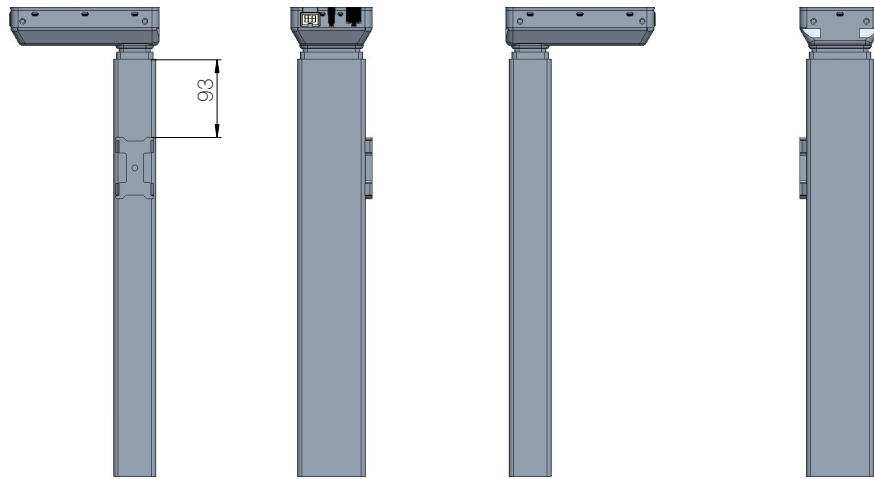


Drawing no. 1041W7906

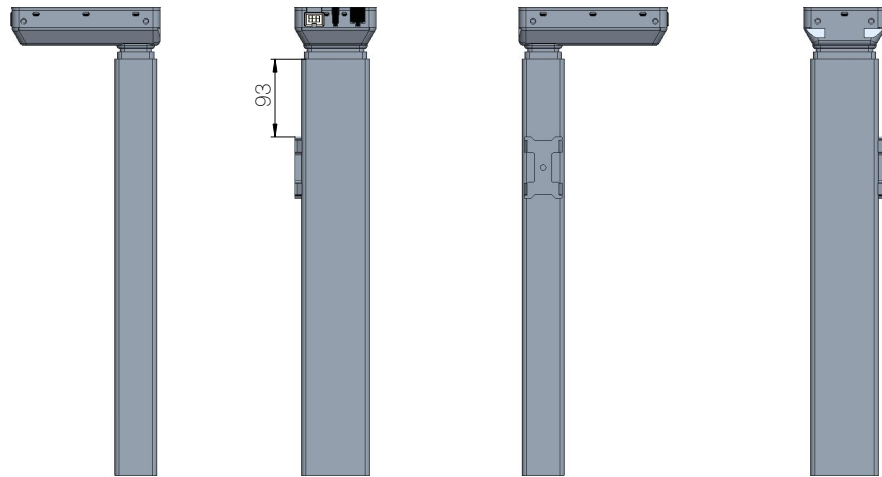
Combination code	Std bracket	Bench left	Bench right
DLxxFxxxxxxxx1xxxxxxxxxxxxx	X		
DLxxFxxxxxxxxLxxxxxxxxxxxxx		X	
DLxxFxxxxxxxxRxxxxxxxxxxxxx			X

Figure 21 Bracket options (types standard, L and R)

DESKLINE Bench left



DESKLINE Bench right



Drawing no. 1041W7906

Combination code	DESKLINE Bench left	DESKLINE Bench right
DLxxFxxxxxxxxxVxxxxxxxxxxxxxxxx	X	
DLxxFxxxxxxxxxHxxxxxxxxxxxxxxxx		X

Figure 22 DESKLINE Bench bracket options (types V and H)
(compatible with LINAK cross members)

Bracket types



Figure 23 Standard bracket

Drawing no. 102417906



Figure 24 Bench bracket (type L and R)

Drawing no. 1041W7906

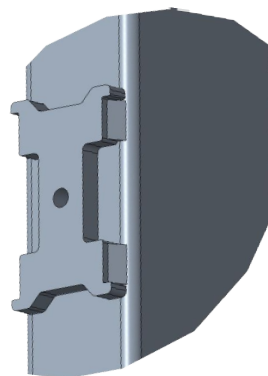
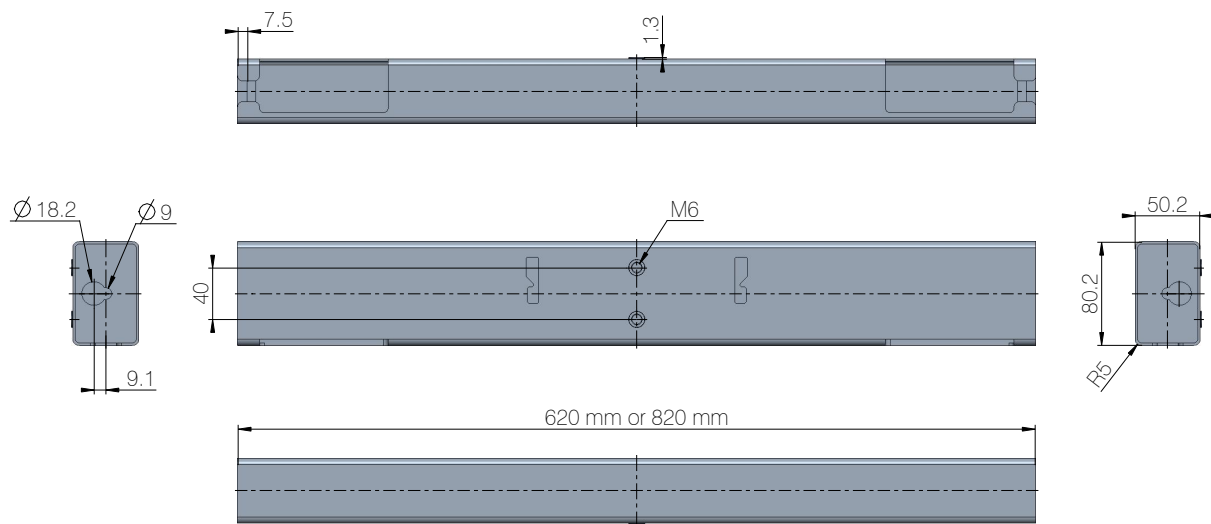


Figure 25 Bench bracket (type V and H) - compatible with LINAK cross members

Drawing no. 1041W7906

Cross members



Drawing no. 1066W4030

Figure 26 Cross member



For more information about bench accessories, please refer to the [DESKLINE® bench accessories Data Sheet](#).

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