

DL EXPERIENCE™ XL

Data Sheet





The EXPERIENCE™ XL columns are part of a whole new generation of lifting columns, raising the bar for electrically height-adjustable applications with true LINAK innovation.

The 3-part EXPERIENCE™ XL columns have 785 mm built-in dimension and 1100 mm long stroke length making them ideal for TV-lift applications. They feature fast 80 mm/s speed, 800 N load per column, and a self-locking force 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 EXPERIENCE™ push the boundaries of what is standard and raise the bar for performance.

- Available versions: DL6, DL11, DL19, and DL21
- PVC-free
- PFAS-free

Additionally, these columns use 30% less power while driving than their 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. The CBD6S is available in a version compliant with the IT AV standard EN 62368.

Compatibility with the BP10 and other DESKLINE® controls as well as with all accessories ensures that the integration of EXPERIENCE™ XL columns is just Plug & Play™.

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

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

Parameter	DL6	DL11	DL19	DL21
Type	3-part			
Profile	 50 x 80 mm	 ø70 mm	 70 x 70 mm	 60 x 90 mm
Built-in length	785 mm			
Stroke length	1100 mm			
Motor housing	177 x 97 x 46 mm			

- Weight (approximate per column):
DL6: 10.1 kg
DL11: 10.2 kg
DL19: 11.1 kg
DL21: 11.5 kg
- Four M6 and two M8 threaded holes in end plate for mounting of feet
- Bending moment: $M_y = \max. 100 \text{ Nm}$ dynamic
- 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
- Available with bracket, see [Dimension drawings](#)
- Available with custom brackets
- Trim rings in black, grey, or white (DL11, DL19, and DL21)
- Custom colours

Compatibility

- DESKLINE® control boxes
 - CBD6S variant compliant with IT AV standard EN 62368
- BP10 TV series
 - simple and intuitive
 - wireless hand control
 - for TV lifts and monitor stands
 - for one or two references
 - magnetic
- Other DESKLINE® controls

EXPERIENCE™ XL columns are compatible with DESKLINE® control boxes with SW03002024 (ver. 1.09 or later) or SW03002026 (ver 1.20 or later).



Please also refer to the [BP10 TV Data Sheet](#).

Usage

- Single or 2 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 [CBD6S Data Sheet](#).

Ordering

	DL	
COLUMN TYPE	06	06 = DL06 11 = DL11 19 = DL19 21 = 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)
OPTION	0	0 = Standard
BRACKET	0	0 = None 1 = Standard bracket - 120 x 40 x 8 mm (with 2 x M8) * X = Custom bracket
DESIGN	P	P = PLUS series
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	1100	1100 = 1100 mm
INSTALLATION DIMENSION	785	785 = 785 mm

DL06F3000B00100P0000001100785

* Standard brackets are not available with DL11.



All cables for creating a fully connected DESKLINE® system must be ordered separately. We offer a range of different versions and lengths. Ordering number as well as cable colour and length can be found in chapter [10.0 DESKLINE Cables](#).

Technical data

Performance curves

The following data is measured in connection with 2 lifting columns and control box CBD6S. The application 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™ XL columns (800 N; 30 mm spindle)

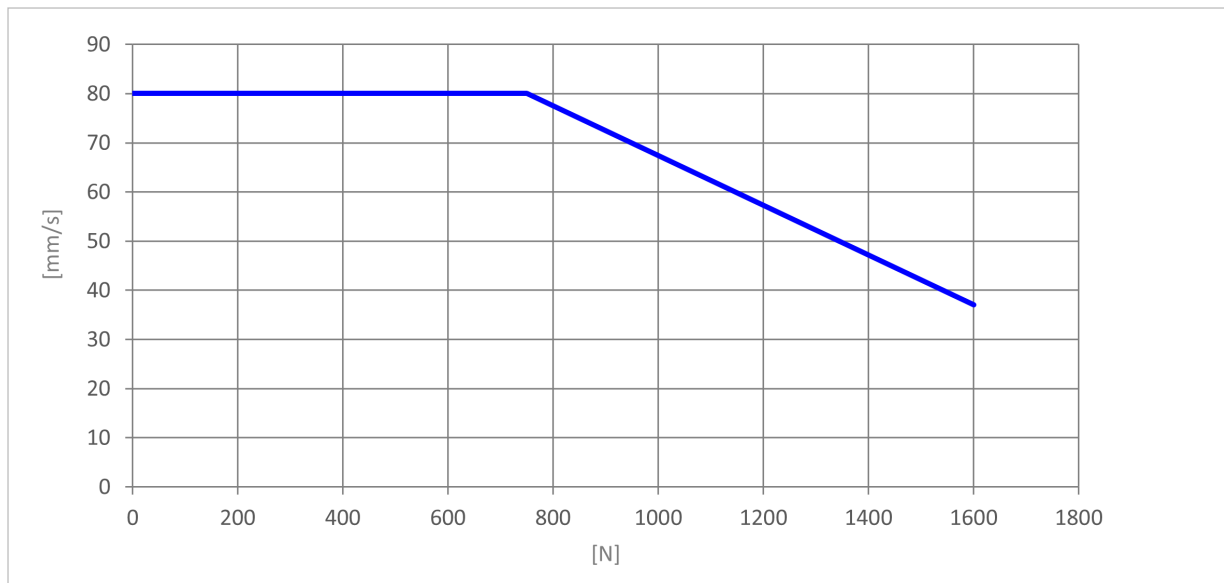


Figure 1 Two columns (equally loaded) - typical speed with CBD6S (230 V) 200 W

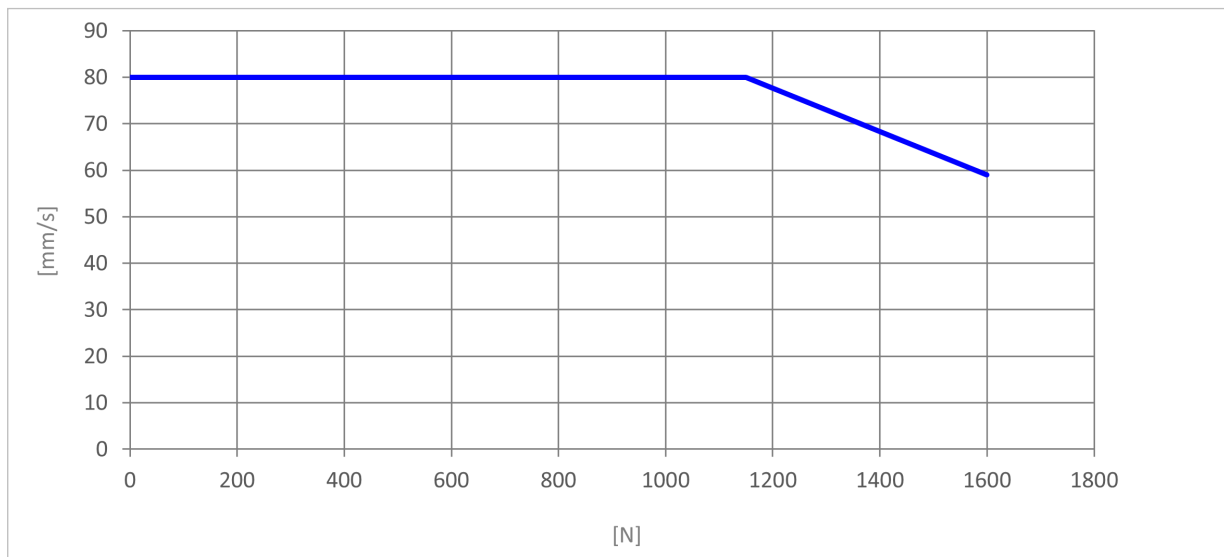
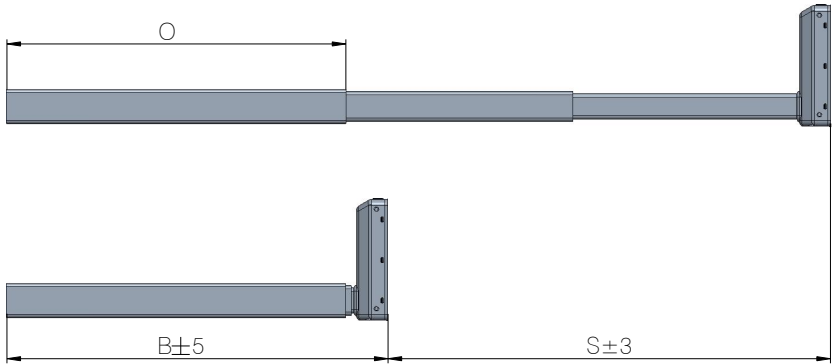


Figure 2 Two columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

Dimension drawings

 All dimensions are in mm and without powder coating.

Columns

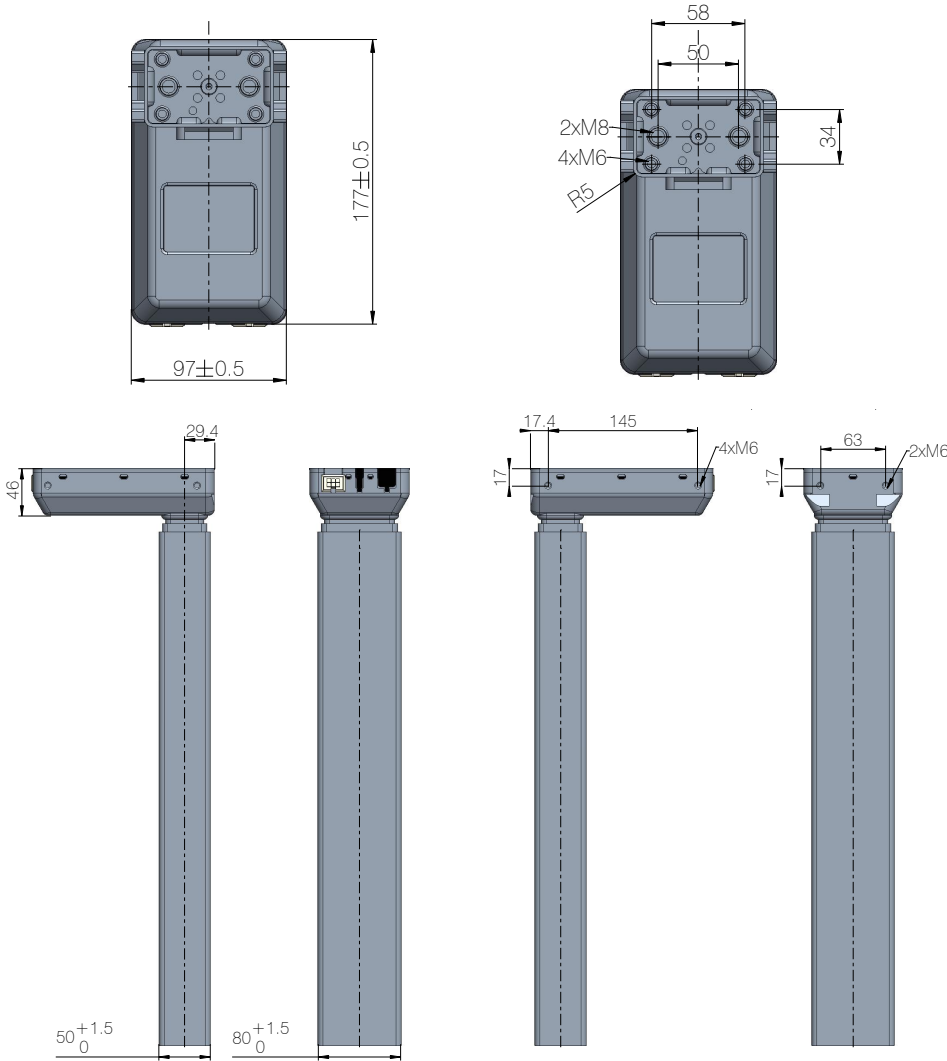


Drawing no. 1041W7906

Version	Combination code	S (Stroke length)	B (Built-in length)	O (Outer profile length)
XL	DLxxFxxxxxxxxxxxxxxxx1100785	1100	785	723

Figure 3 Built-in length, stroke length, and outer profile length

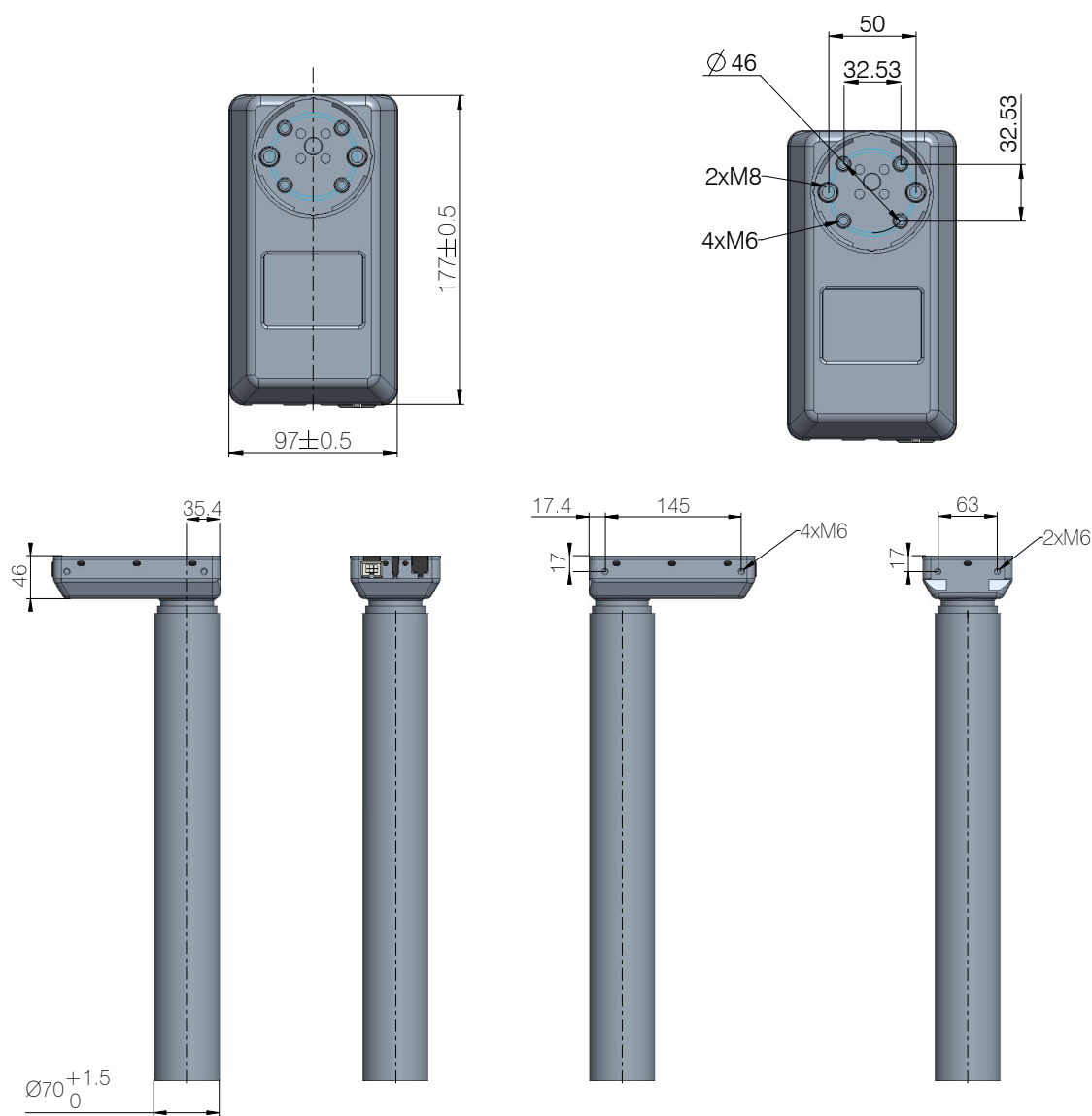
DL6



Drawing no. 1041W7906

Figure 4 DL6 motor housing, end plate, and profile

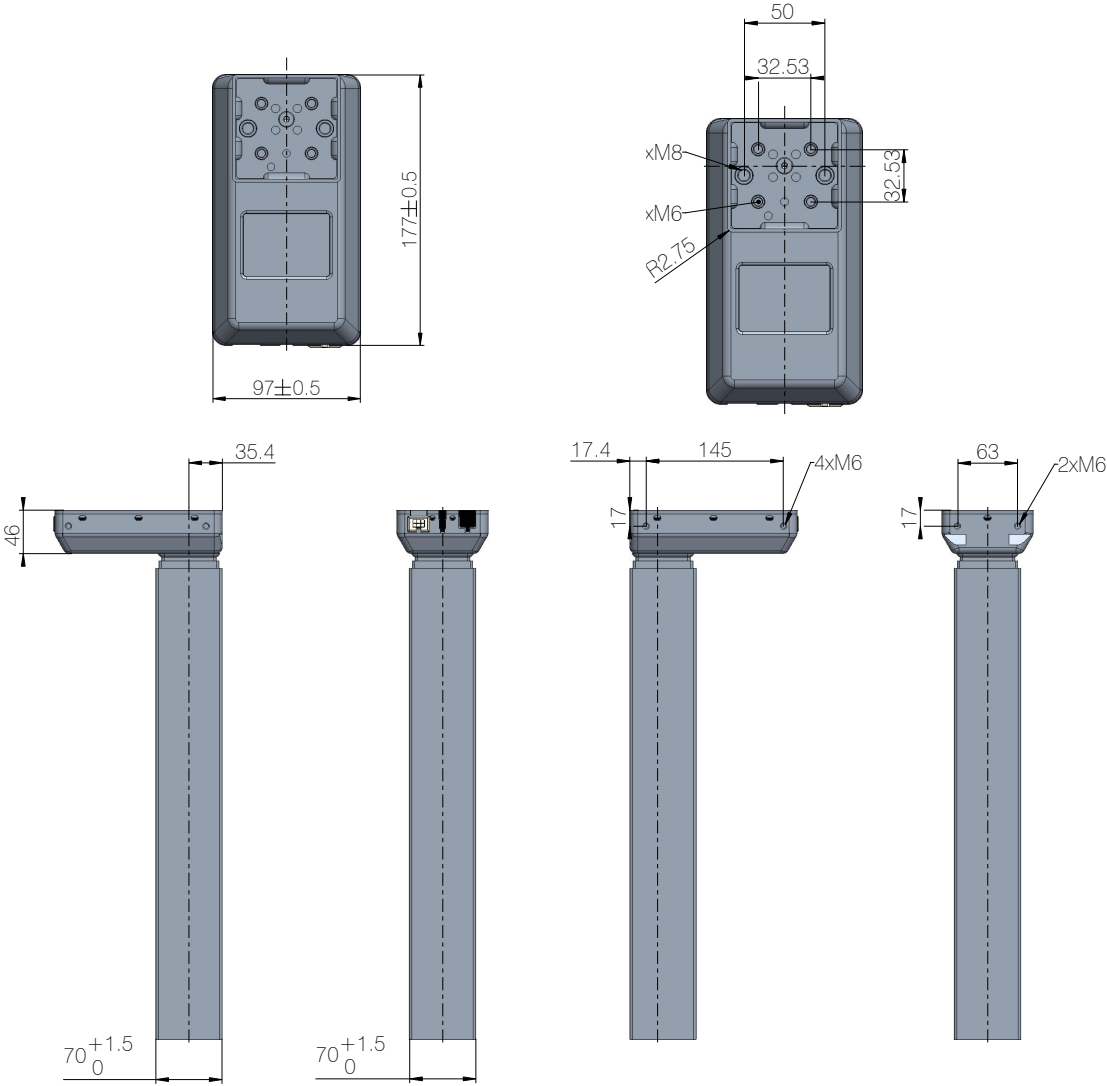
DL11



Drawing no. 0699101

Figure 5 DL11 motor housing, end plate, and profile

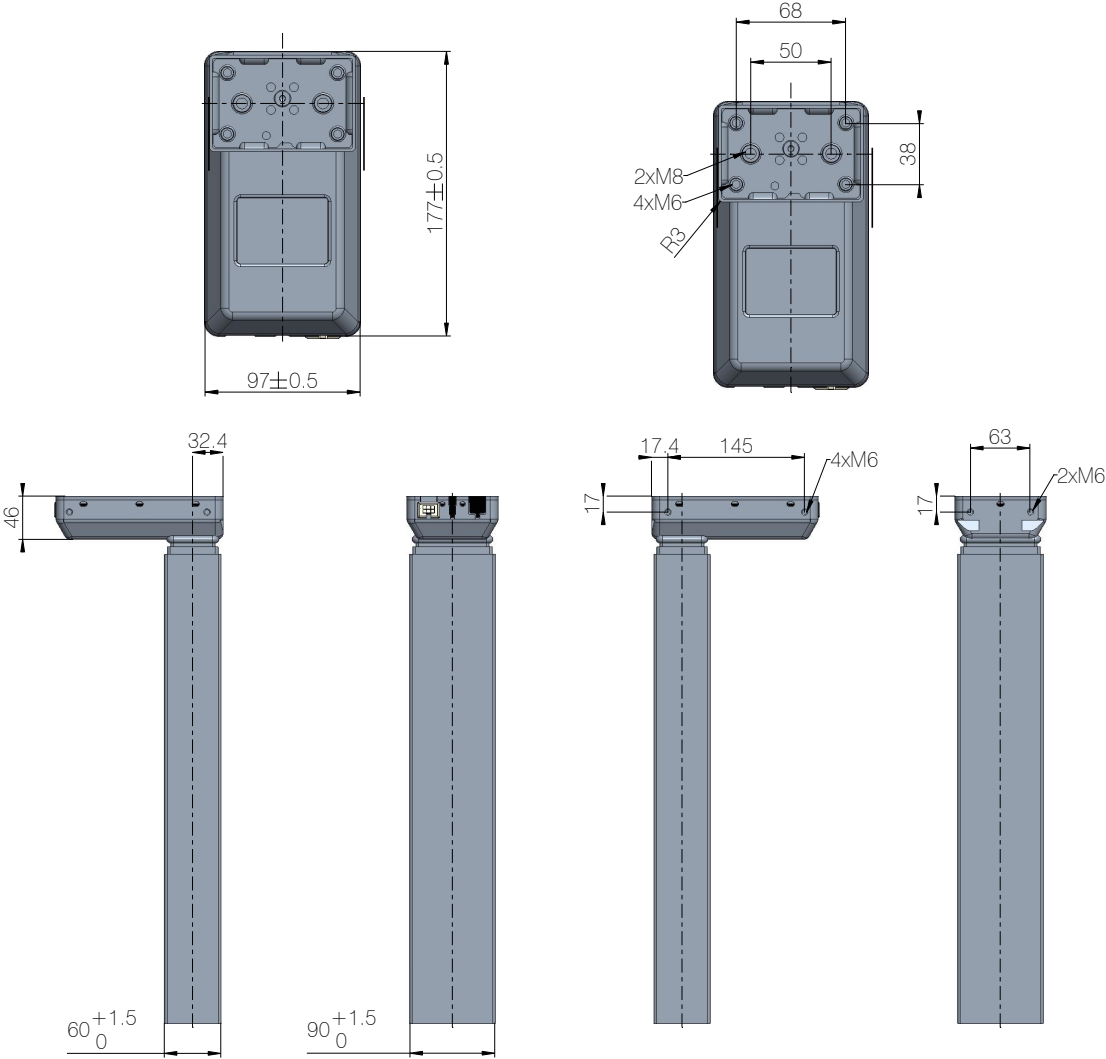
DL19



Drawing no. 1029W7901

Figure 6 DL19 motor-housing, end plate, and profile

DL21



Drawing no. 1064W8901

Figure 7 DL21 motor-housing, end plate, and profile

Sockets and design

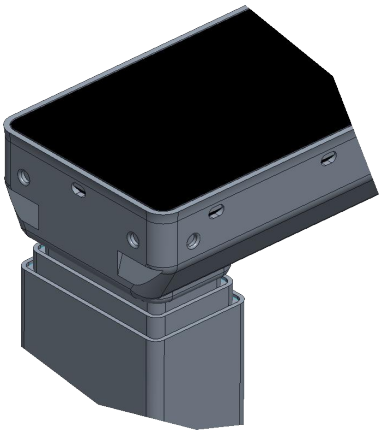


EXPERIENCE™

Drawing no. 1041W7906

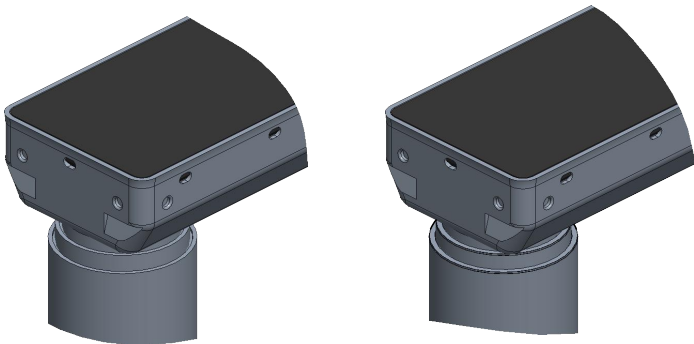
Combination code	Type
DLxxFxxxxxxxxxxxxxxxxxxxx	EXPERIENCE™

Figure 8 Socket combination



Drawing no. 1041W7906

Figure 9 DL6 profile design

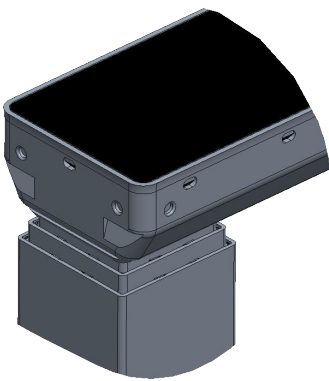


Without trim rings

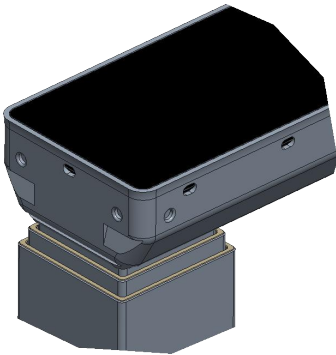
With trim rings

Drawing no. 0699101

Figure 10 DL11 profile design



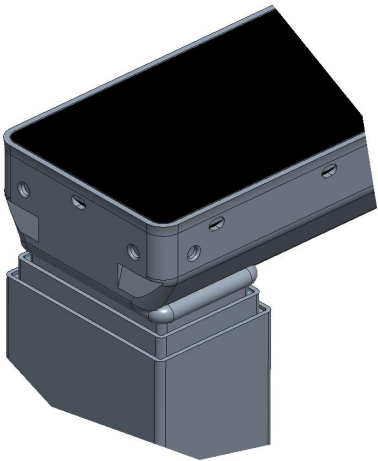
Without trim rings



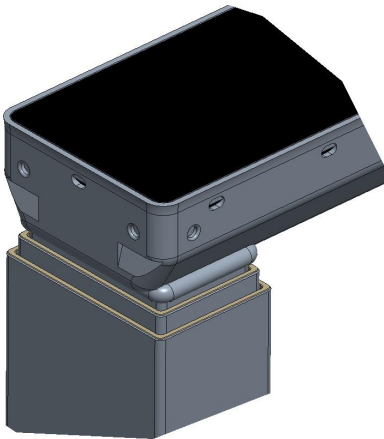
With trim rings

Drawing no. 1029W7901

Figure 11 DL19 profile design



Without trim rings



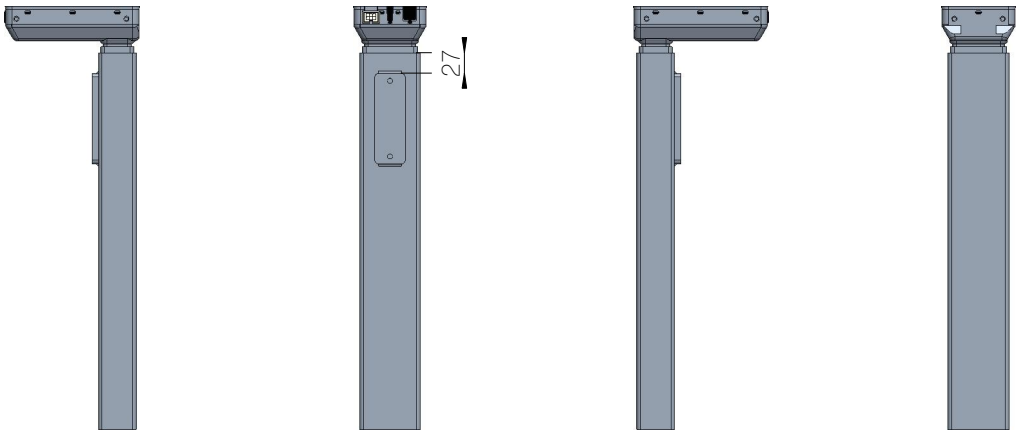
With trim rings

Drawing no. 1064W8901

Figure 12 DL21 profile design

Bracket options

Standard

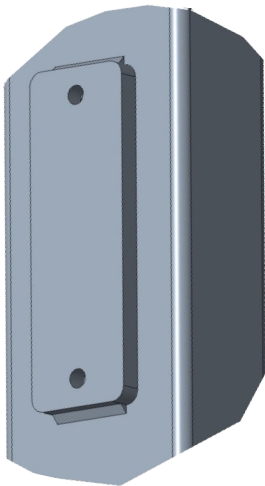


Drawing no. 1041W7906

Combination code	Std bracket
DLxxFxxxxxxxxx1xxxxxxxxxxxxxx	X

Figure 13 Standard bracket placement

Brackets



Drawing no. 102417906

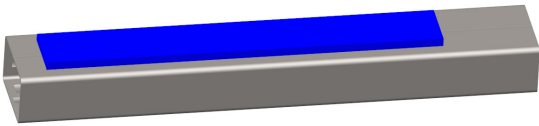
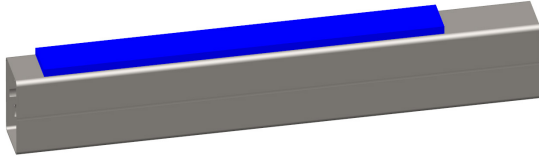
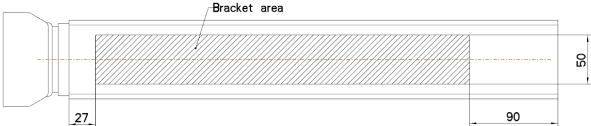
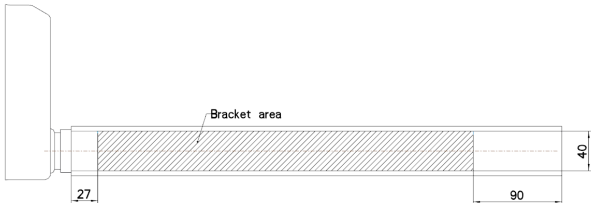
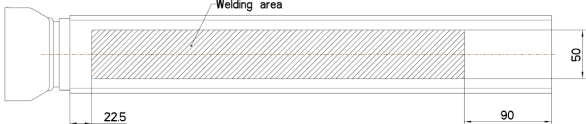
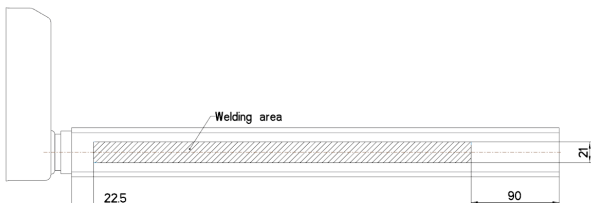


Standard brackets are not available for DL11.

Adding brackets

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

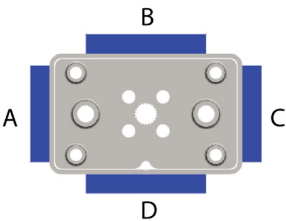
DL6

	
<p>Bracket area</p> 	<p>Bracket area</p> 
<p>Welding area</p> 	<p>Welding area</p> 
<p>Bracket dimensions (wide side):</p> <p>Width: maximum 50 mm</p> <p>Thickness: maximum 8 mm</p>	<p>Bracket dimensions (narrow side):</p> <p>Width: maximum 40 mm</p> <p>Thickness: maximum 8 mm</p>

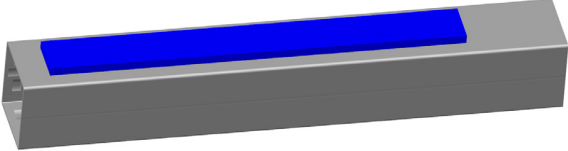
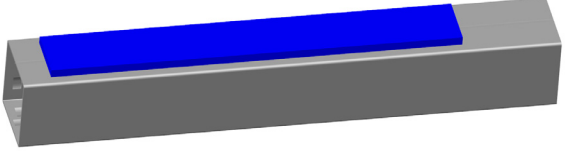
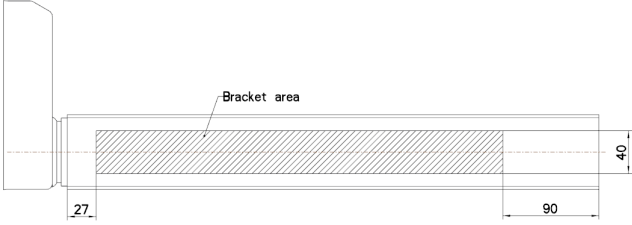
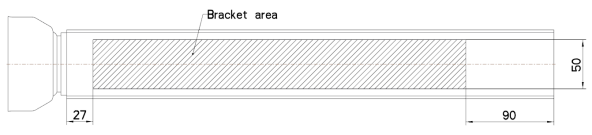
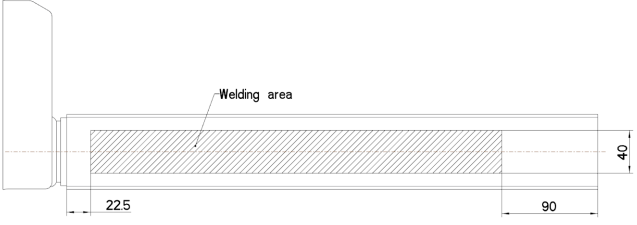
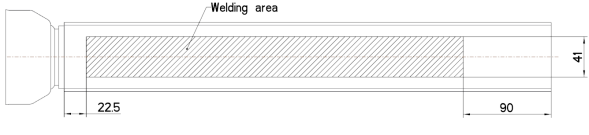
Right and left columns



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).

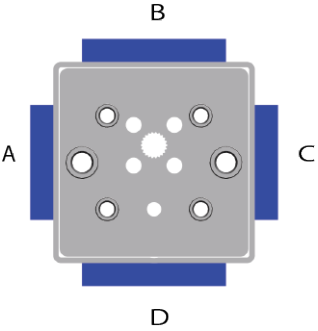


DL19

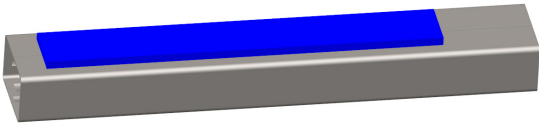
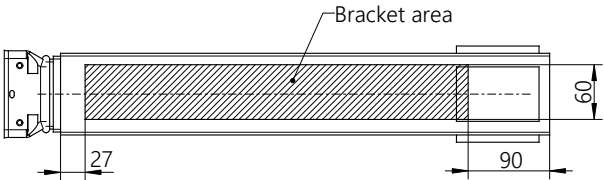
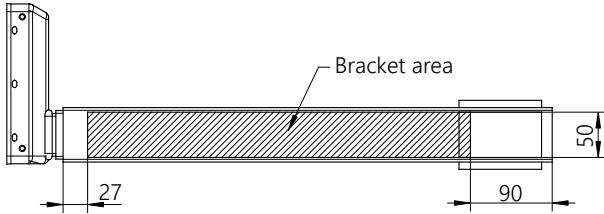
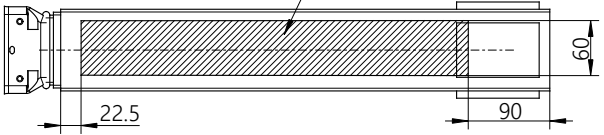
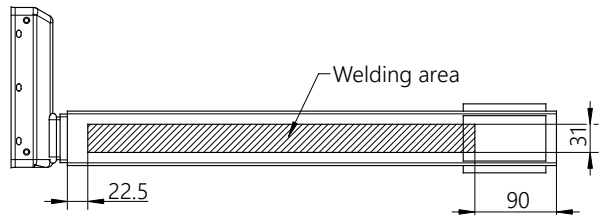
	
<p>Bracket area</p> 	<p>Bracket area</p> 
<p>Welding area</p> 	<p>Welding area</p> 
<p>Bracket dimensions (sides A and C):</p> <p>Width: maximum 40 mm</p> <p>Thickness: maximum 8 mm</p>	<p>Bracket dimensions (sides B and D):</p> <p>Width: maximum 50 mm</p> <p>Thickness: maximum 8 mm</p>

Right and left columns

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



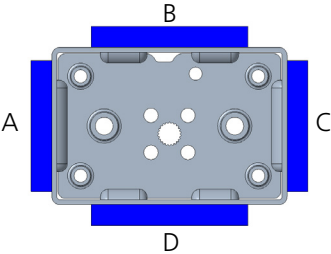
DL21

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

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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