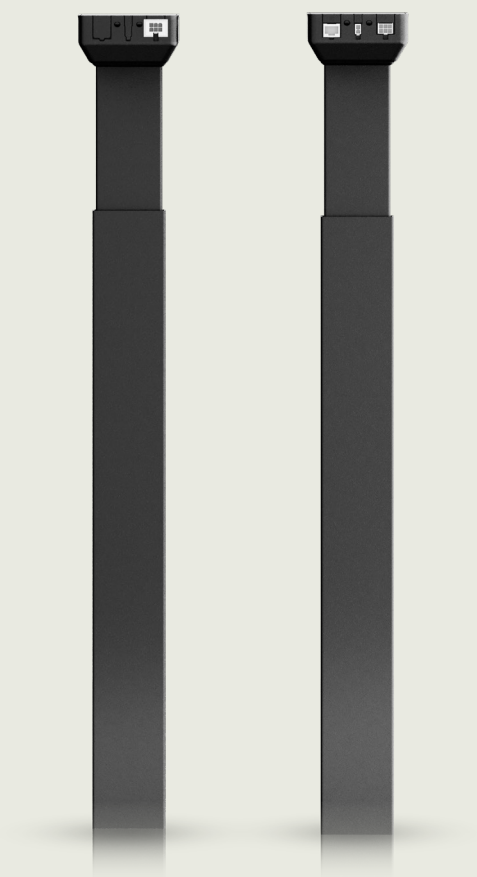
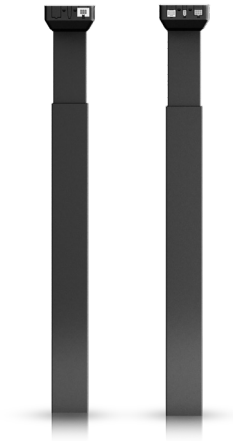


DESKLIFT™ DL18 IC

Data Sheet





The DESKLIFT™ DL18 IC (Integrated Controller) is a compact two-part lifting column with square profiles, based on the DL18 column. It comes with invisible gliding pads for a clean design and is a perfect choice for adjustable economy office desks using only two columns and requiring a stroke length of maximum 500 mm. The DL18 IC has a compact motor housing, which is almost invisible in the tabletop construction. The DL18 IC has the same outer dimensions (70 x 70 mm) and mounting holes as the three-part DL19 IC column, which makes them fit the same top frame and foot constructions, including the Kick & Click™ top frame. The column is very sturdy and the compact motor housing makes the column easy to integrate in various desk designs. The DL18 IC column is available in three standard colours (black, grey and white).

The DL18 IC product programme offers options such as:

- trim rings in black, grey or white for optimised appearance
- customised colours
- versions for bench solutions

An IC system consists of two columns, a control column and a companion column connected via a motor cable. The control column has a built-in control PCB; thus, no separate control box must be mounted in an IC system. The mains supply is an external SMPS (Switch Mode Power Supply) unit, and a variety of desk panels can be used for adjusting the desk. A Desk Sensor™ 1 anti-collision dongle can be added to the system to limit material damage to a desk or an object in case a collision occurs during driving of the desk.

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 SMPS:

Parameter	With SPMS001 / SMPS002 / SMPS006 / SMPS007
Max. speed (unloaded)	38 mm/s
Max. load (per column)	500 N
Self-lock (per column)	500 N

- Installation dimension: 645 mm
- Stroke length: 500 mm
- Weight: Approximately 6.5 kg per column
- Dimensions column: 70 x 70 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

- Available with bench bracket (two versions, see [Dimension drawings](#))
- Available with trim ring in black, grey or white
- Customised colours

Usage

- DESKLINE® controls
- Battery Box BA001
- Kick & Click™ top frame
- DESKLIFT™ Feet

Usage

- 2 parallel drive with one DL18 IC Control and one DL18 IC Companion, and an external power supply (SMPS001 (230 V), SMPS002 (120 V), SMPS006 (Universal), or SMPS007 (120 V))
- Duty cycle: 10 % $\approx$ max. 2 minutes continuous use at full load, followed by 18 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

- System compliance, see the Declaration of Conformity in the [User Manual](#)



Be aware that when a desk panel DP1CS, DPF1C, DPF1D, or DPT is used, the light intensity must be configured to 50% before use.

Ordering

	DL18	
SPINDLE TYPE	0	0 = 20 mm pitch
TRIM RING	0	0 = No trim ring A = Grey trim ring B = Black trim ring D = White trim ring
MOUNTING BRACKET	0	0 = None 1 = 120 x 40 x 8 mm (with 2 x M8) L = Bench bracket on left side (Companion) R = Bench bracket on right side (Control) V = Bench bracket on left side (Companion) * H = Bench bracket on right side (Control) *
COLOUR	B	A = Grey (RAL 9006) B = Black (RAL 9005) D = White (RAL 9016)
OPTION	P	P = PLUS series
MOTOR TYPE	0	M = Control S = Companion
STROKE LENGTH	500	500 = 500 mm
INSTALLATION DIM.	645	645 = 645 mm
DL18000BP0500645		

*: Columns with bench bracket compatible with the LINAK cross member set for a complete bench solution. Cross members 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.



Please observe that the item numbers for columns with bench bracket will be created so that the control column will be on the right and the companion column on the left side of the desk, seen from the position of the user.

Technical data

Performance curves

The data below is measured in connection with two IC lifting columns and SMPS001/002/006/007. 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.

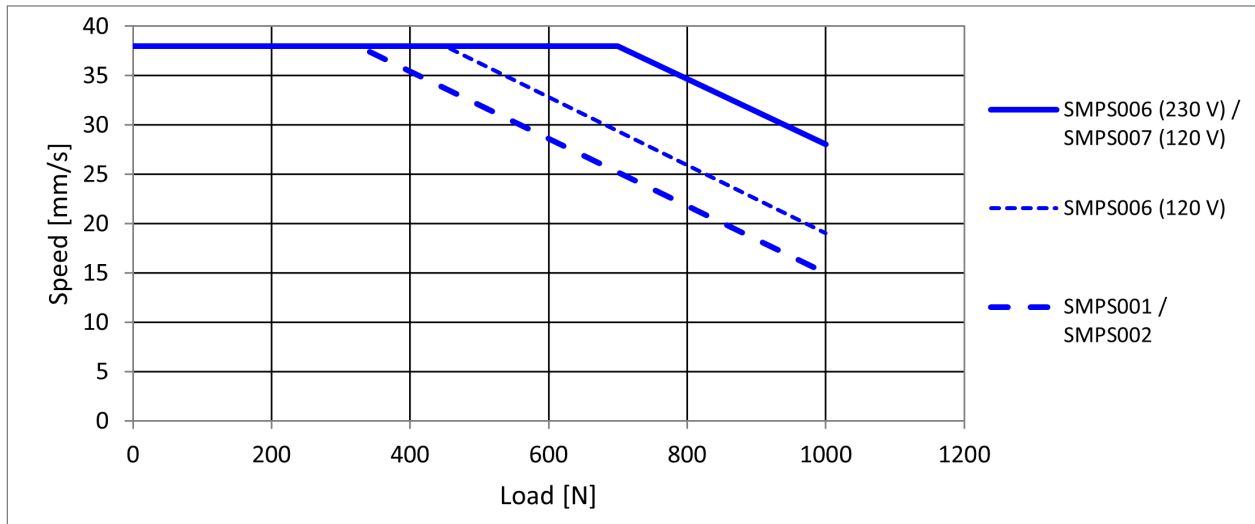


Figure 1 Two IC columns (equally loaded) with SMPS001/002/006/007



The end-stop system in the IC column is based on a buffer system, meaning that you must be aware of the lengths when initialising. The products must be able to drive:

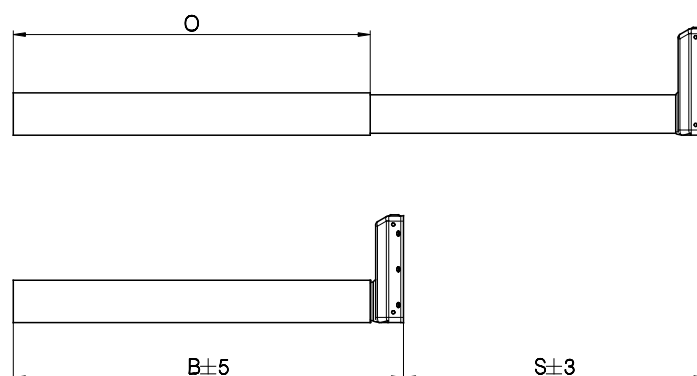
Inward direction: Installation dimension - tolerances - 5 mm

Outward direction: Installation dimension + stroke length + tolerances + 5 mm

Dimension drawings



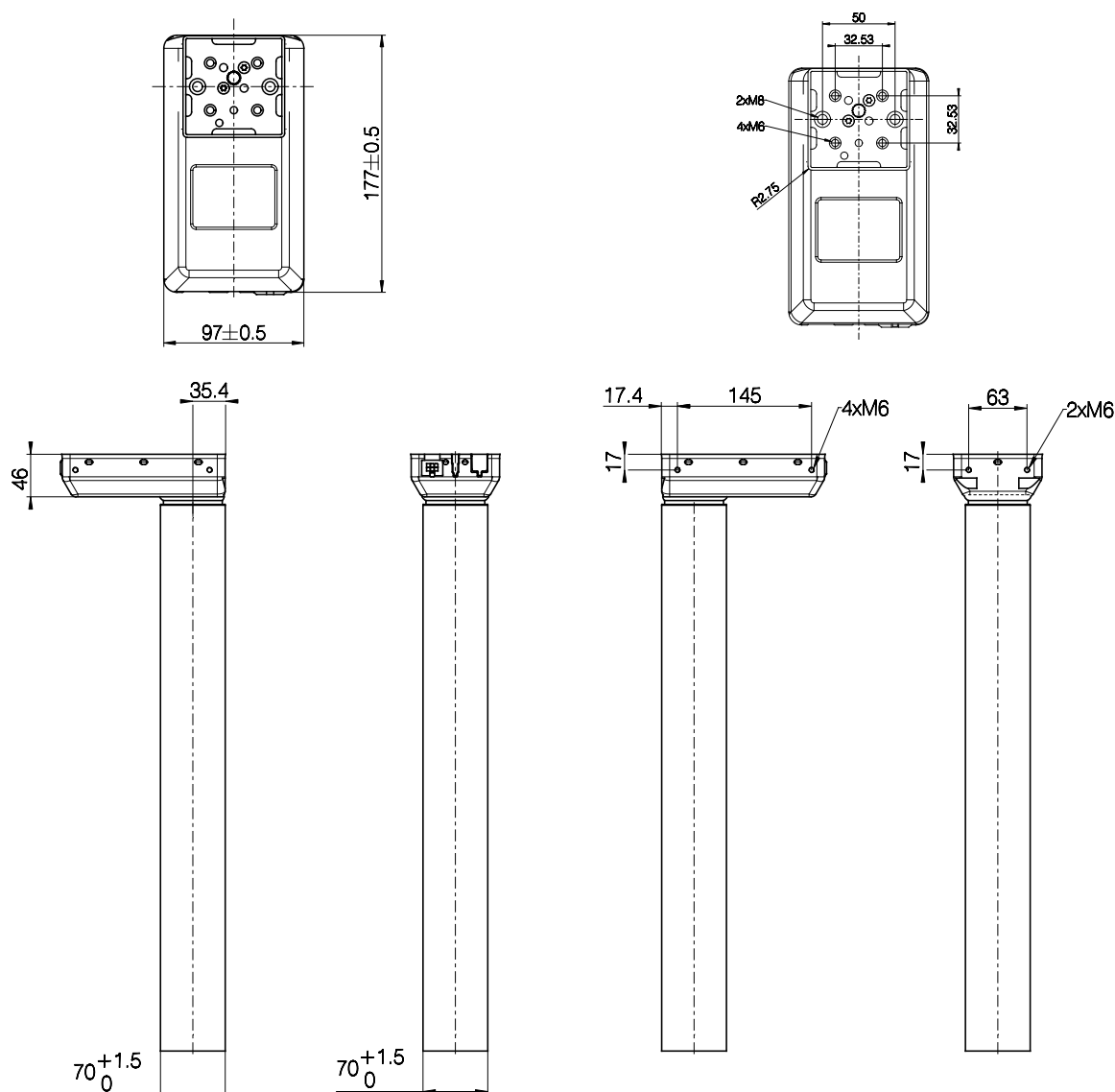
All dimensions are in mm.



Drawing no. 1029W7903

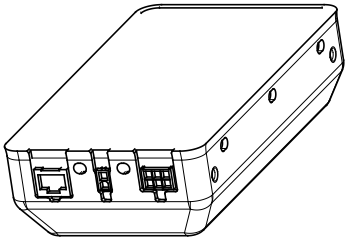
Version	Combination code	B (Built-in length) [mm]	S (Stroke length) [mm]	O (Outer profile length) [mm]
EU	DL18xxxxxx500645	645	500	590

Figure 2 Built-in length, stroke length, and outer profile length

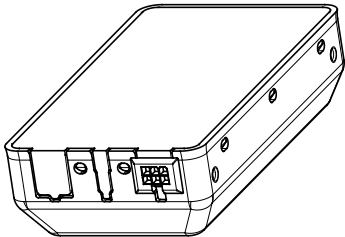


Drawing no. 1029W7903

Figure 3 Motor-housing, bottom plate, and profile



IC Control

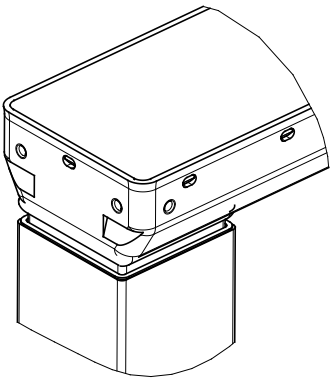


IC Companion

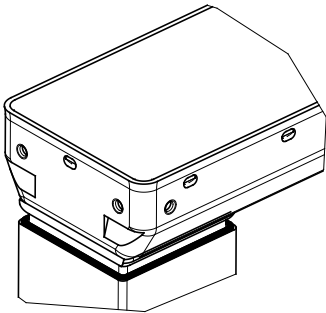
Drawing no. 1029W7903

Combination code	Type
DL18xxxxxMxxxxxx	IC Control
DL18xxxxxSxxxxxx	IC Companion

Figure 4 Socket combination



PLUS™ without trim rings

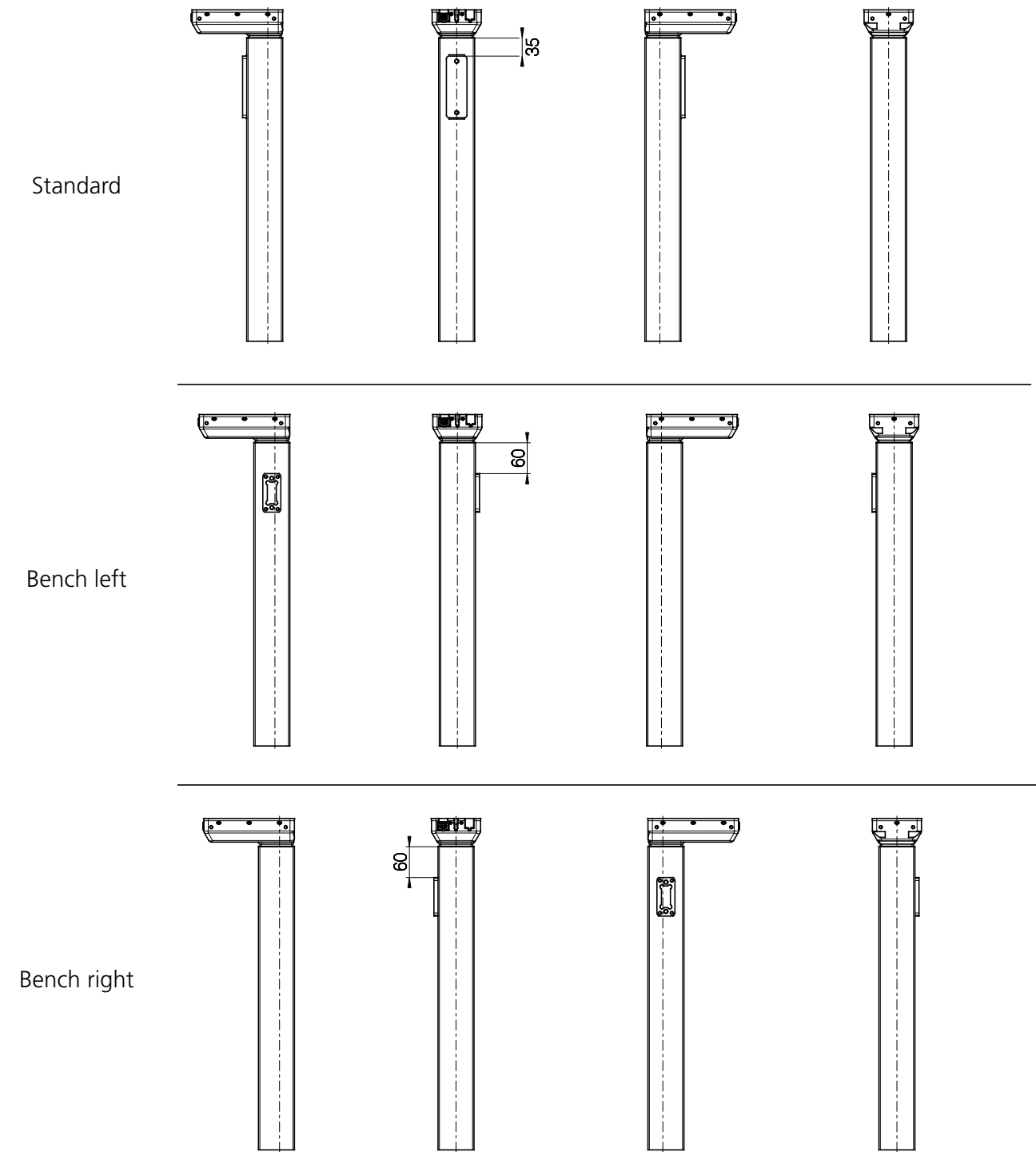


PLUS™ with trim rings

Drawing no. 1029W7903

Figure 5 Profile design

Bracket options

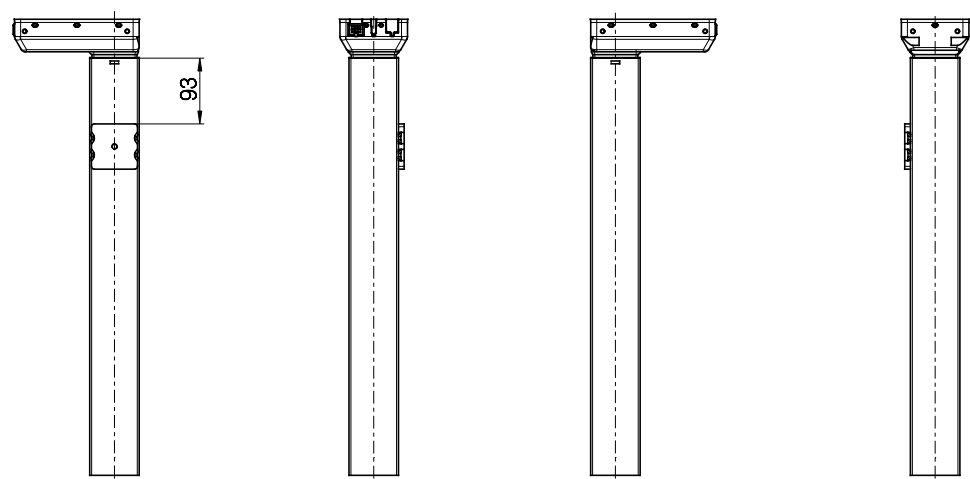


Drawing no. 1029W7903

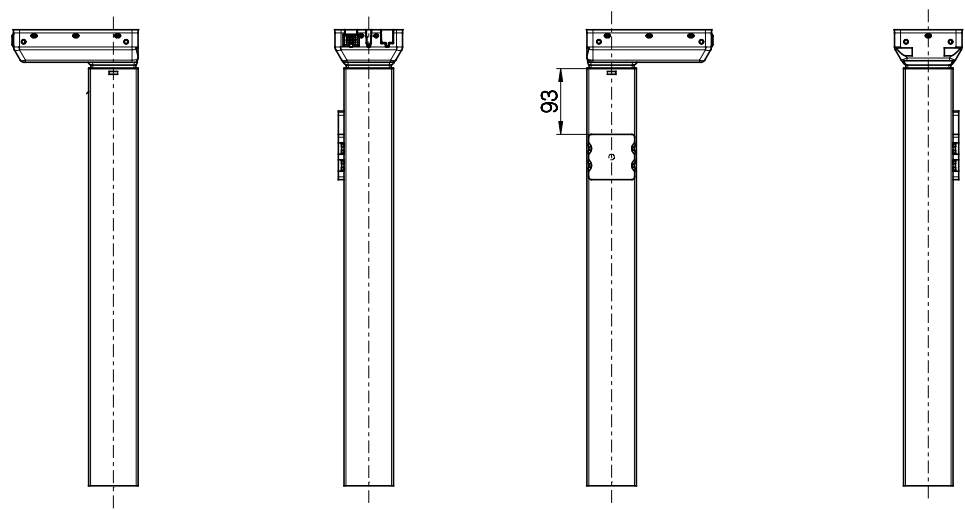
Combination code	Standard	Bench left	Bench right
DL18xx1xxxxxxxxxx	X		
DL18xxLxxSxxxxxx		X	
DL18xxRxxMxxxxxx			X

Figure 6 Bracket options (types standard, L and R)

DESKLINE Bench left



DESKLINE Bench right



Drawing no. 1029W7903

Combination code	Bench left	Bench right
DL18xxVxxSxxxxxx	X	
DL18xxHxxMxxxxxx		X

Figure 7 DESKLINE Bench bracket options (types V and H)
(compatible with LINAK cross members)

Brackets

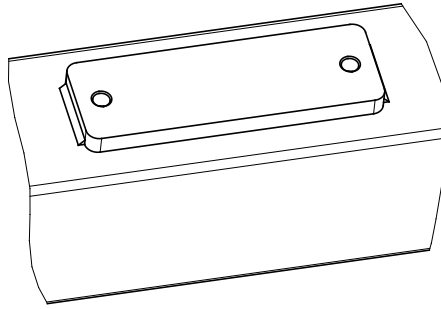


Figure 8 Standard bracket

Drawing no. 1029W7901

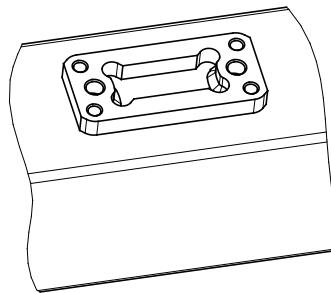


Figure 9 Bench bracket (type L and R)

Drawing no. 1029W7901

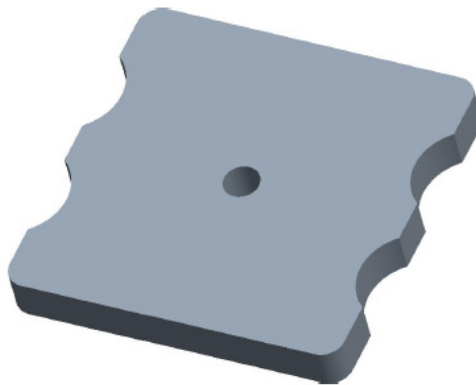


Figure 10 Bench bracket (type V and H) - compatible with LINAK cross members

Drawing no. 1066W4056

Cross member

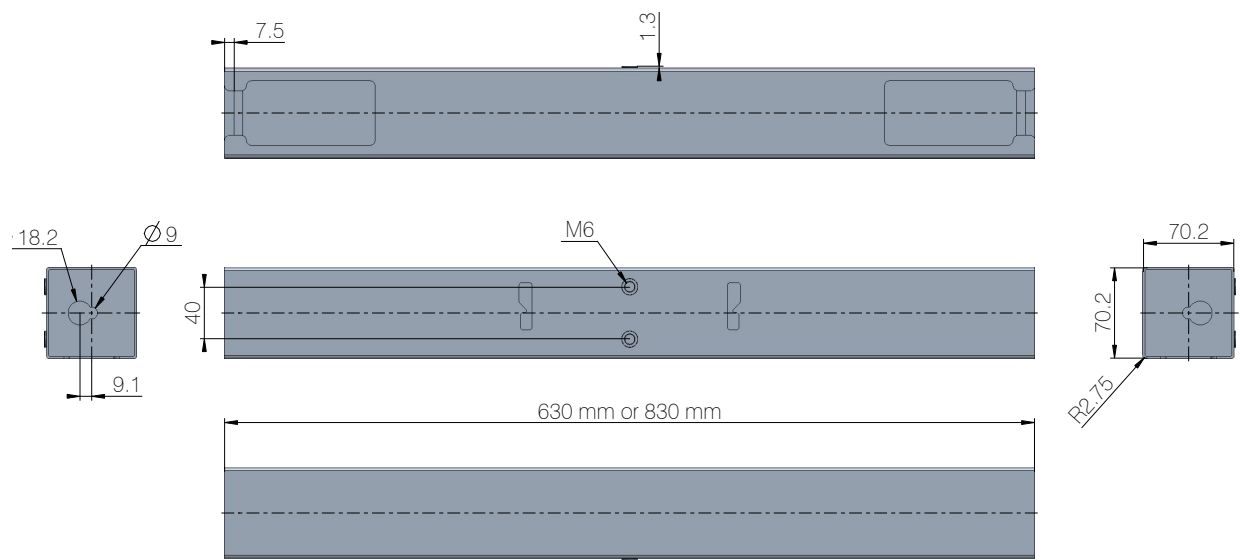


Figure 11 Cross member

Drawing no. 1066W4028

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