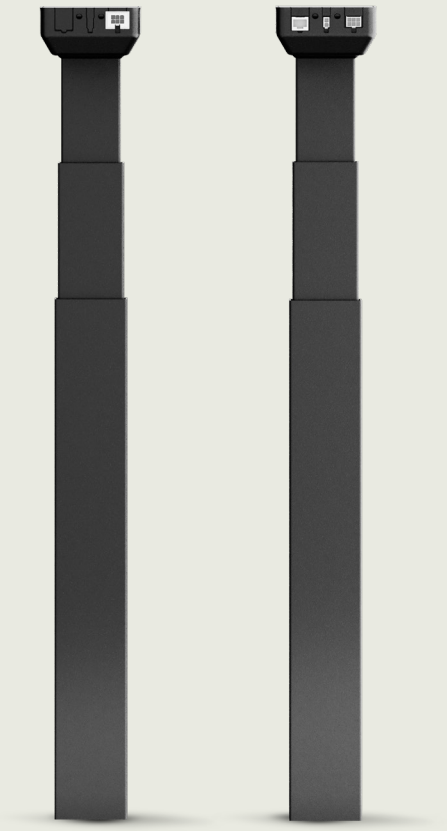
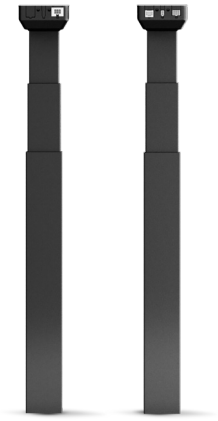
DESKLINE®
IMPROVING ERGONOMICS

DL19 IC
Data Sheet



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WE IMPROVE YOUR LIFE



The DESKLIFT™ DL19 IC (Integrated Controller) is a three-part lifting column featuring the optimised PLUS™ design with square profiles, based on the proven DL19 platform. Designed for adjustable economy office desks using only two columns, it combines a short installation height with a long stroke length, providing ergonomic height adjustment for users of all heights.

Sharing the same outer dimensions (70 × 70 mm) and motor-housing mounting holes as the two-part DL18 IC, the DL19 IC is compatible with the same top frames and foot constructions. Its compact motor housing is discreetly integrated into the tabletop construction for a clean desk design.

The DL19 IC range offers several options, including:

- Trim rings in black, grey, or white for an enhanced appearance
- Custom colours
- Versions designed for bench solutions

An IC system consists of a control column and a companion column connected by a motor cable. The control column features an integrated control PCB, eliminating the need for a separate control box.

The system is powered by an external SMPS (Switch Mode Power Supply) and supports a wide range of desk panels for desk adjustment. For enhanced protection, a Desk Sensor™ 1 anti-collision dongle can be added to help minimise the risk of damage to the desk or surrounding objects in the event of a collision during operation.

Features/Options/Compatibility/Usage

Features

- Three-part motor housing column
- PLUS™ design (invisible gliding pads and a smooth outer profile with no punch marks)
- In combination with SMPS:

Parameter	With SPMS001 / SMPS002	With SMPS006 / SMPS007
Max. speed (unloaded)	38 mm/s	38 mm/s
Max. load (per column)	500 N	700 N
Self-lock (per column)	500 N	700 N

- Installation dimension: 560 mm
- Stroke length: 650 mm
- Weight: 8.3 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), silver grey (RAL 9006) or white (RAL9016)
- Low sound level

Options

- Available with trim rings in grey, black, and white
- Available with bench bracket (two versions) and with standard bracket, see Dimension drawings
- Columns prepared for Click-on Feet
- Customised colours
- Available as DESKLIFT™ SetPack

For more information on the SetPack solution, please refer to the DESKLIFT SetPack Data Sheet.

Compatibility

- Switch Mode Power Supply
  - SMPS001 (230 V)
  - SMPS002 (120 V)
  - SMPS006 (Universal)
  - SMPS007 (120 V)
- DESKLINE® controls
- Desk Sensor™ 1
- Battery Box BA001
- Kick & Click™ top frame
- Desk Frame 5
- DESKLIFT™ Feet including Click-on Feet

For systems with Battery Box BA001, the Control column must be configured correctly.

Usage

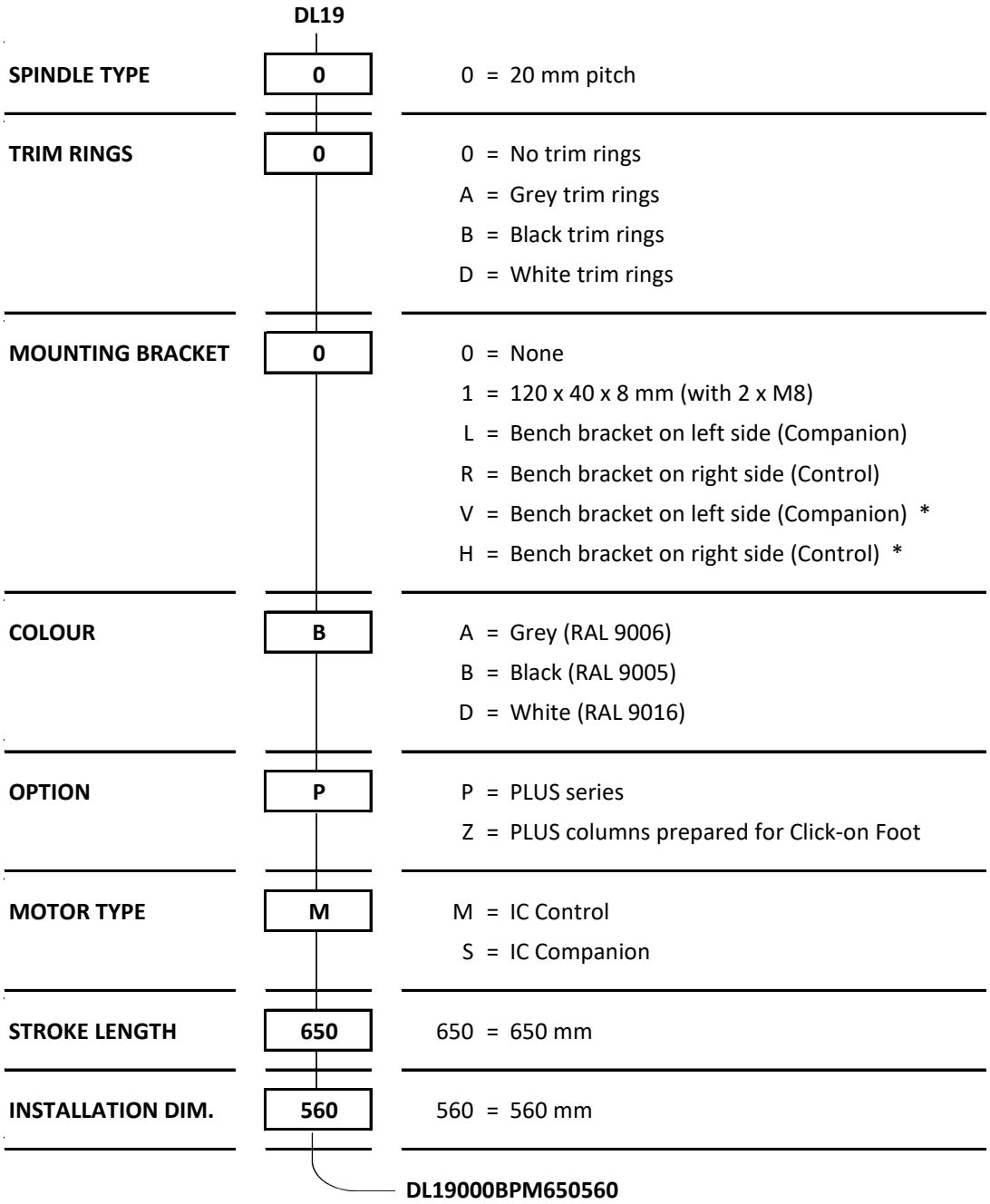
- 2 parallel drive with one DL19 IC Control and one DL19 IC Companion, and an external power supply (SMPS)
- Duty cycle: 10 % ≈ max. 2 minutes continuous use at full load, followed by 18 minutes pause
- For indoor use in dry locations

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

For system compliance, please refer to the Declaration of Conformity in the User Manual.

When a desk panel DP1CS, DPF1C, DPF1D, or DPT is used, ensure that the light intensity is configured to 50% before use.

Ordering



**: 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 note 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 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.

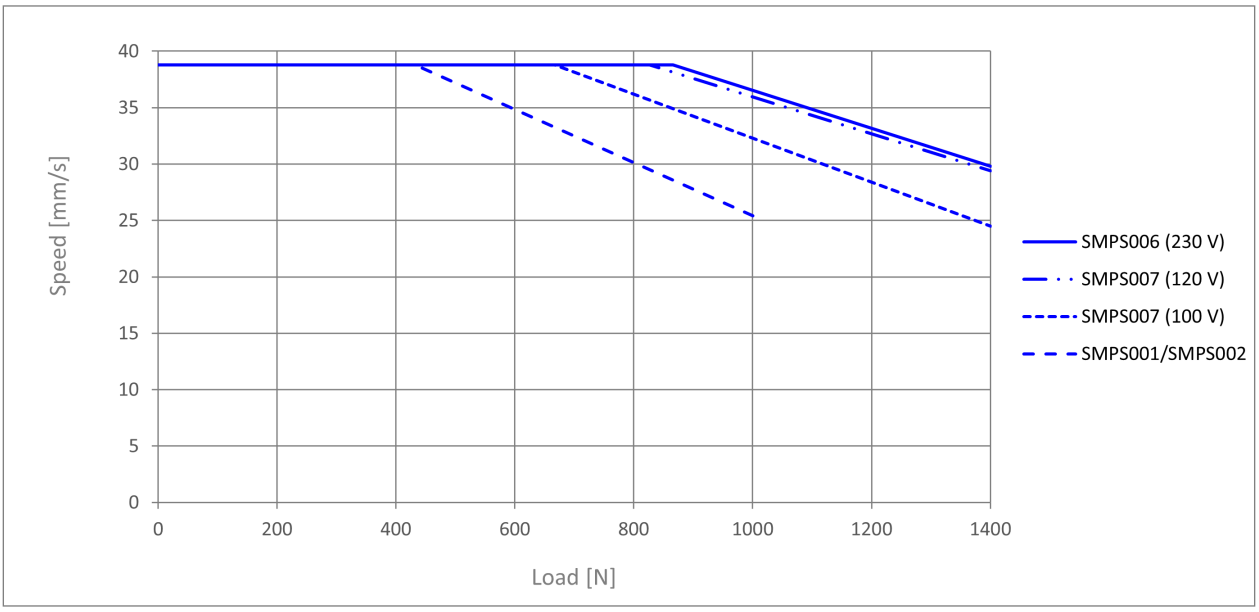


Figure 1 Typical curves for two 3-part IC columns (equally loaded) with SMPS001/002/006/007

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:

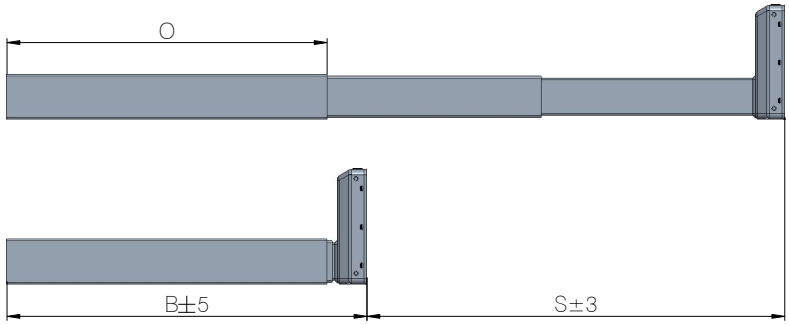
Inward direction: Installation dimension - tolerances – 5 mm

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

Dimension drawings

All dimensions are in mm and without powder coating.

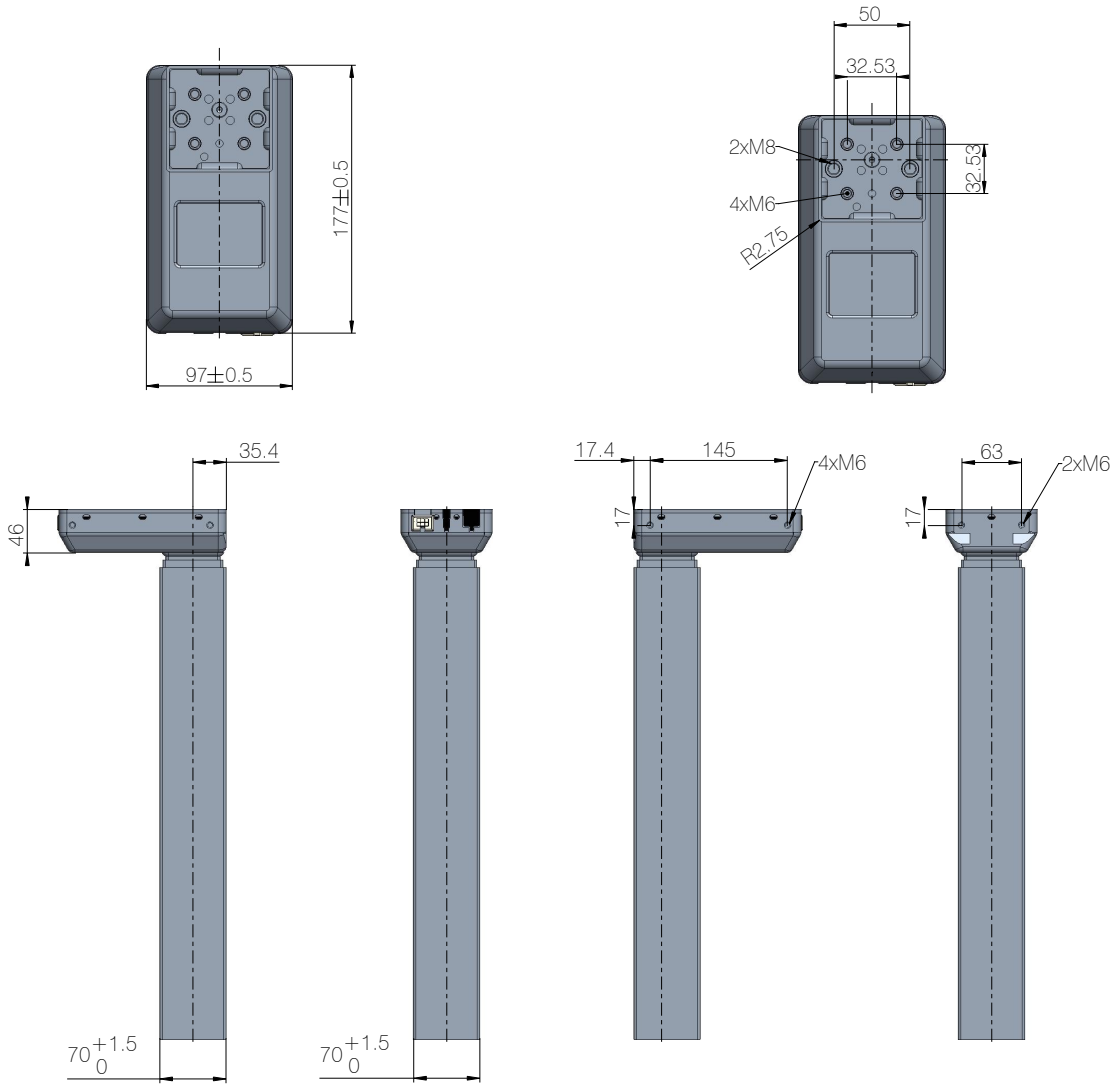
Columns



Drawing no. 1029W7901

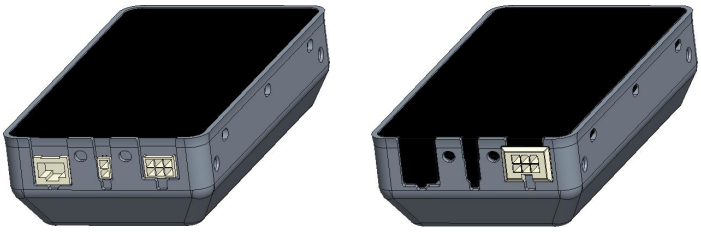
Version	Combination code	B (Built-in length)	S (Stroke length)	O (Outer profile length)
Standard	DL19xxxxxx650560	560	650	498

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



Drawing no. 1029W7901

Figure 3 Motor-housing, bottom plate, and profile

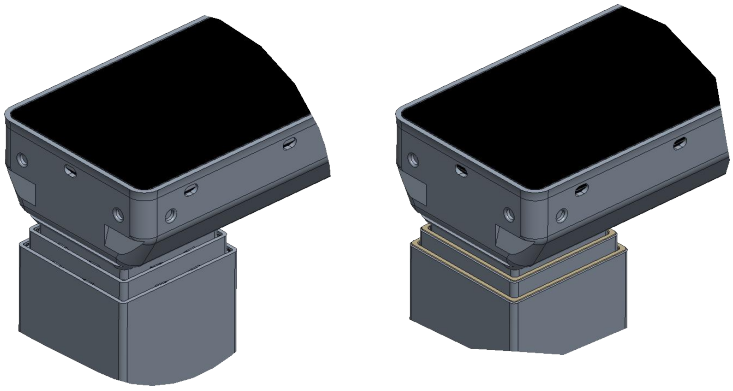


IC Control IC Companion

Drawing no. 1029W7901

Combination code	Type
DL19xxxxxMxxxxxx	IC Control
DL19xxxxxSxxxxxx	IC Companion

Figure 4 Socket combination

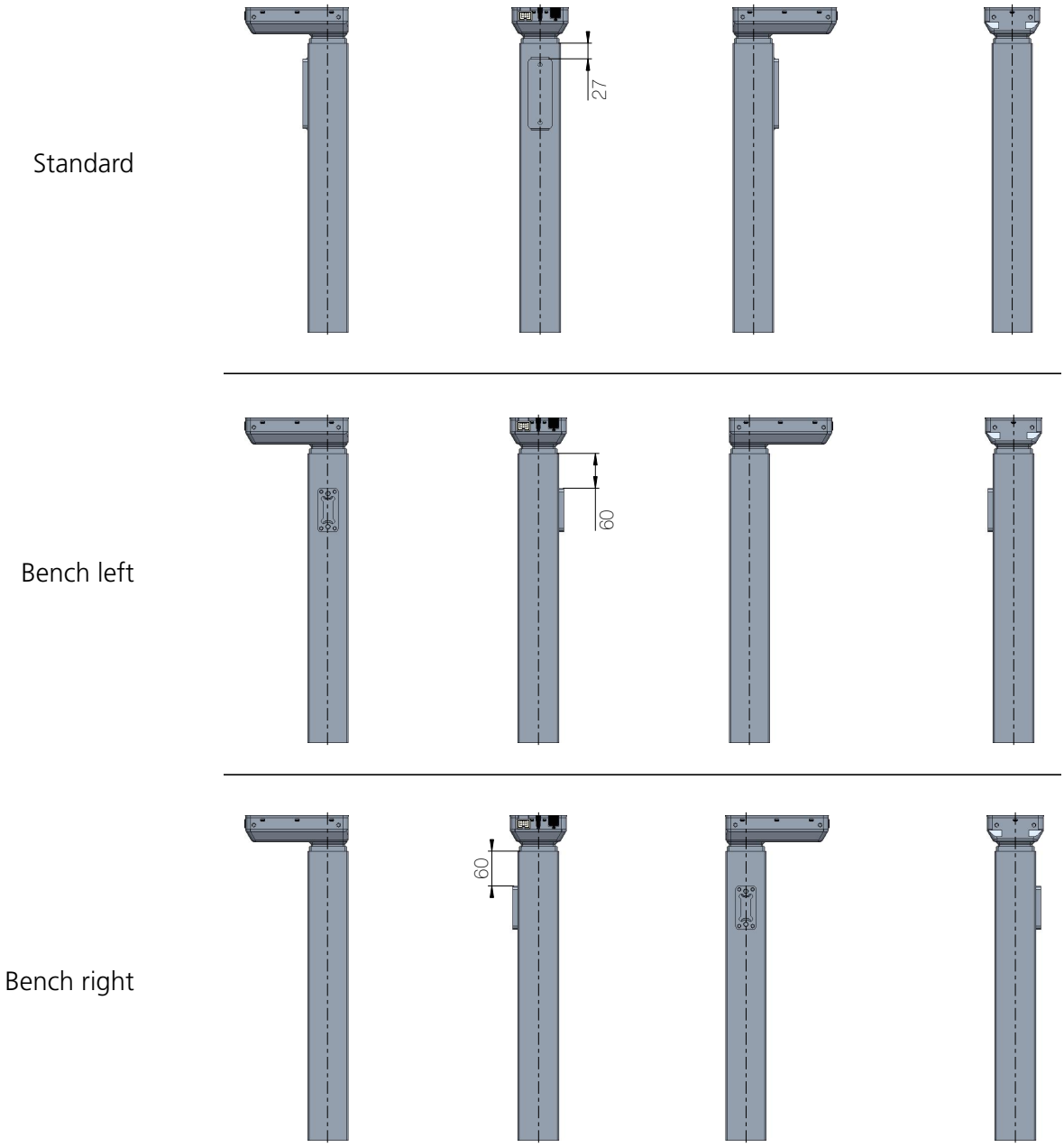


Without trim rings With trim rings

Drawing no. 1029W7901

Figure 5 Profile designs

Bracket options

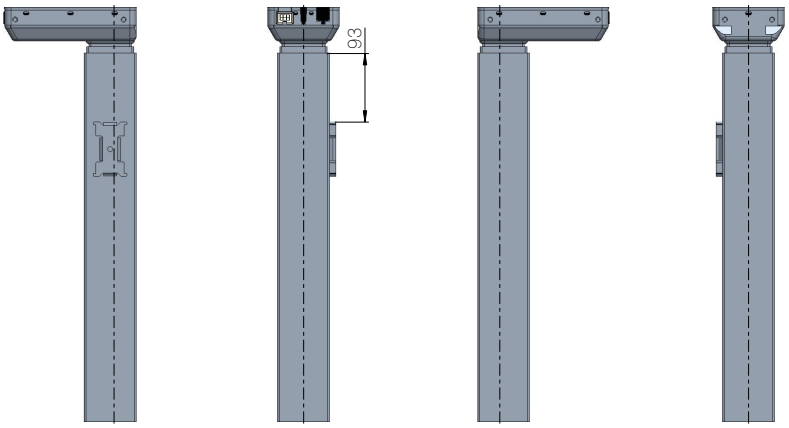


Drawing no. 1029W7901

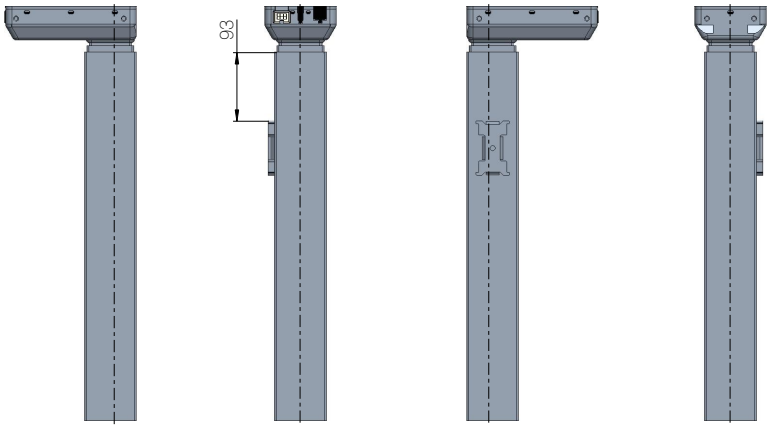
Combination code	Standard	Bench left	Bench right
DL19xx1xxxxxxxxx	X		
DL19xxLxxSxxxxxx		X	
DL19xxRxxMxxxxxx			X

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

DESKLINE Bench left



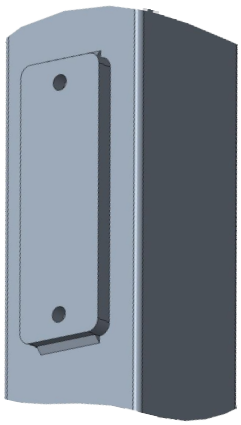
DESKLINE Bench right



Drawing no. 1029W7901

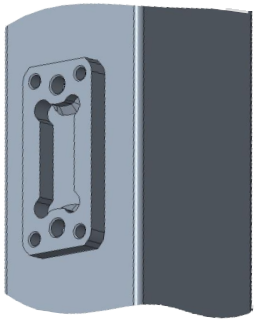
Combination code	DESKLINE Bench left	DESKLINE Bench right
DL19xxVxxSxxxxxx	X	
DL19xxHxxMxxxxxx		X

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



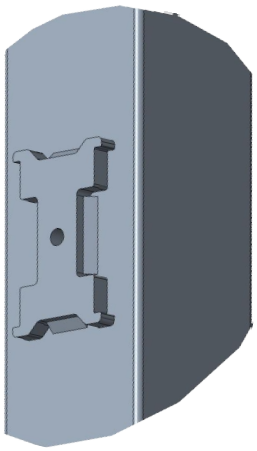
Drawing no. 1029W7901

Figure 8 Standard bracket



Drawing no. 1029W7901

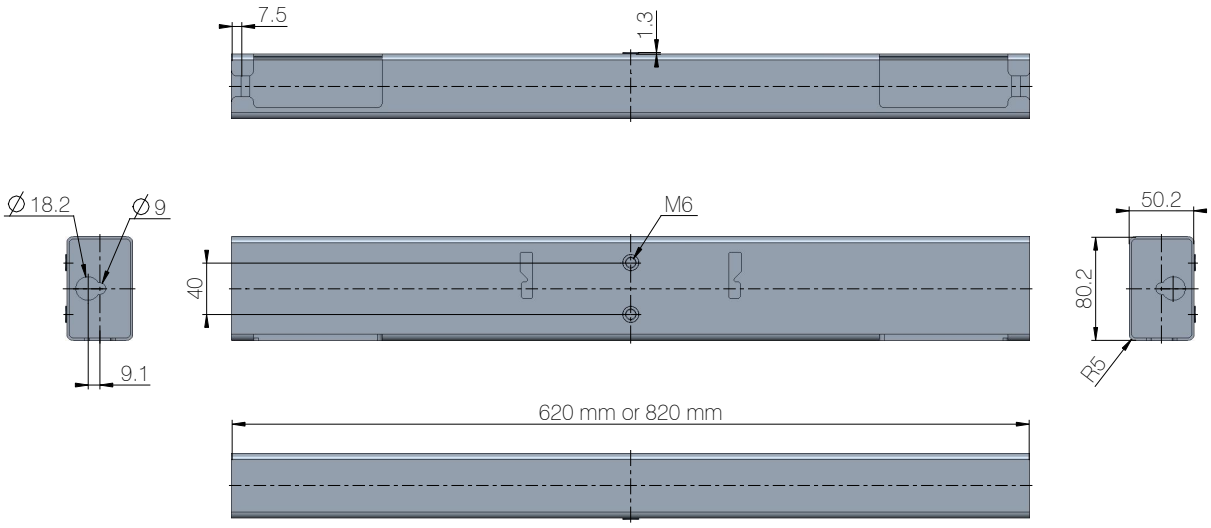
Figure 9 Bench bracket (type L and R)



Drawing no. 1029W7901

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

Cross members



Drawing no. 1066W4030

Figure 11 Cross member

For more information about bench accessories, please refer to the DESKLINE® bench accessories Data Sheet.

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