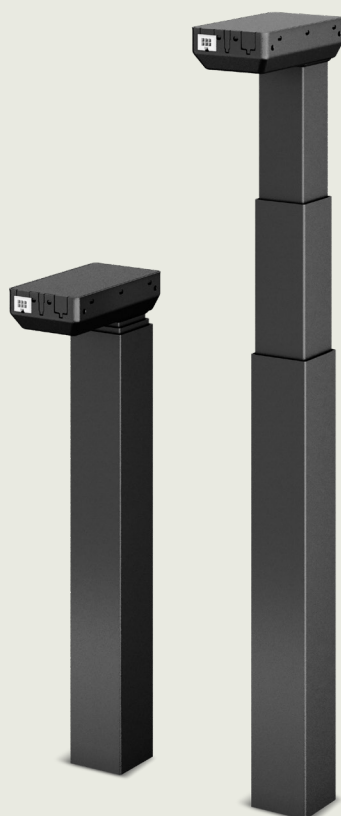


# DL19 EXPERIENCE™

## Data Sheet





The DL19 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 DL19 EXPERIENCE looks like a classic DL19 PLUS™ column. The real innovation has happened on the inside.

The DL19 EXPERIENCE features fast 80 mm/s speed, 800 N load per column, and a self-lock 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 DL19 EXPERIENCE push the boundaries of what is standard and raise the bar for performance.

Additionally, the 70 x 70 mm square 3-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 DL19 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

- 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     |

- Installation dimension: 560 mm  
518 mm (BIFMA)
- Stroke length: 650 mm  
665 mm (BIFMA)
- Weight: Approximately 8.5 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 (RAL9016)
- Low sound level

### Options

- PIEZO™: Integrated sensor minimising the risk of damage to a desk caused by squeezing or blocking it in upward or downward direction
- Versions prepared for Click-on Feet
- Available with bench bracket, see [Dimension drawings](#)
- Available with custom brackets
- Trim rings in black, grey or white
- Custom 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
- DESKLIFT™ Feet, including 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 the [CBD6S Data Sheet](#).

## Ordering

| DL19                          |      |                                                                                                                                                                                                               |
|-------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>B001 = Black (RAL 9005)<br>D022 = White (RAL 9016)                                                                                                                                  |
| TRIM RINGS                    | 0    | 0 = None<br>A = Grey<br>B = Black<br>D = White                                                                                                                                                                |
| BRACKET                       | 0    | 0 = None<br>1 = 120 x 40 x 8 mm (with 2 x M8)<br>L = Bench bracket on left side<br>R = Bench bracket on right side<br>V = DESKLINE bench bracket on left side *<br>H = DESKLINE bench bracket on right side * |
| DESIGN                        | P    | P = PLUS serie                                                                                                                                                                                                |
| OPTION                        | 0    | 0 = Standard                                                                                                                                                                                                  |
| OPTION                        | 0    | 0 = Standard                                                                                                                                                                                                  |
| FOOT INTERFACE                | 0    | 0 = Standard<br>Z = Prepared for Click-on Foot                                                                                                                                                                |
| OPTION                        | 0    | 0 = Standard                                                                                                                                                                                                  |
| OPTION                        | 0    | 0 = Standard                                                                                                                                                                                                  |
| PIEZO                         | 0    | 0 = None<br>E = PIEZO                                                                                                                                                                                         |
| STROKE LENGTH                 | 0650 | 0650 = 650 mm<br>0665 = 665 mm (BIFMA)                                                                                                                                                                        |
| INSTALLATION DIM.             | 560  | 560 = 560 mm<br>518 = 518 mm (BIFMA)                                                                                                                                                                          |
| DL19F3000B00100P0000000650560 |      |                                                                                                                                                                                                               |

\* 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.



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 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.

#### DL19 EXPERIENCE 800 N (30 mm spindle)

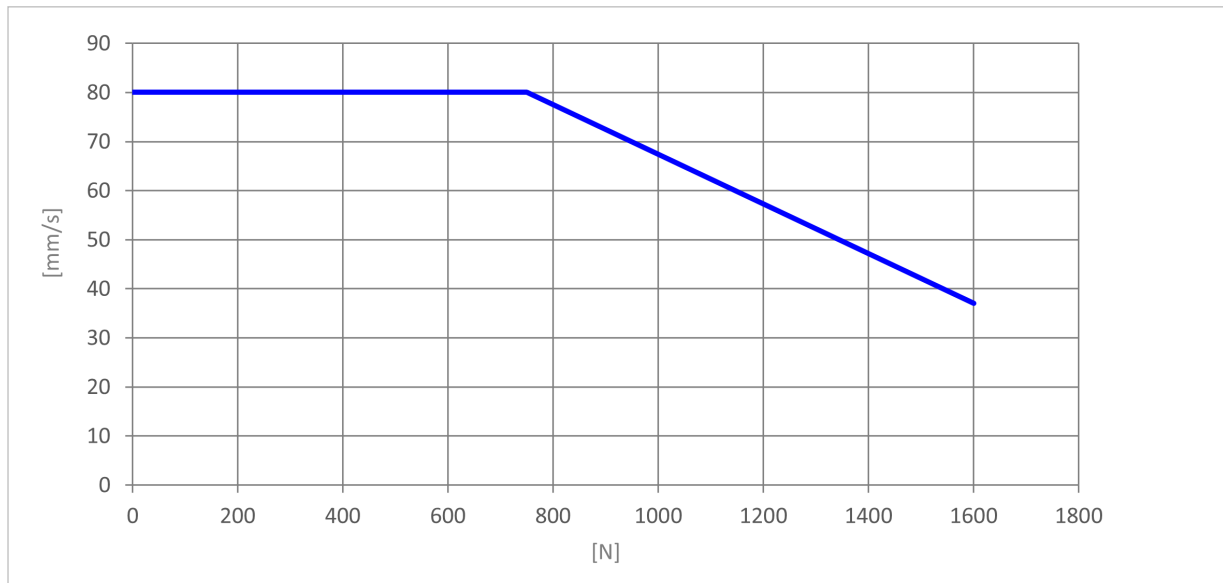


Figure 1 Two columns (equally loaded) - typical speed with CBD6S (230 V) 200 W

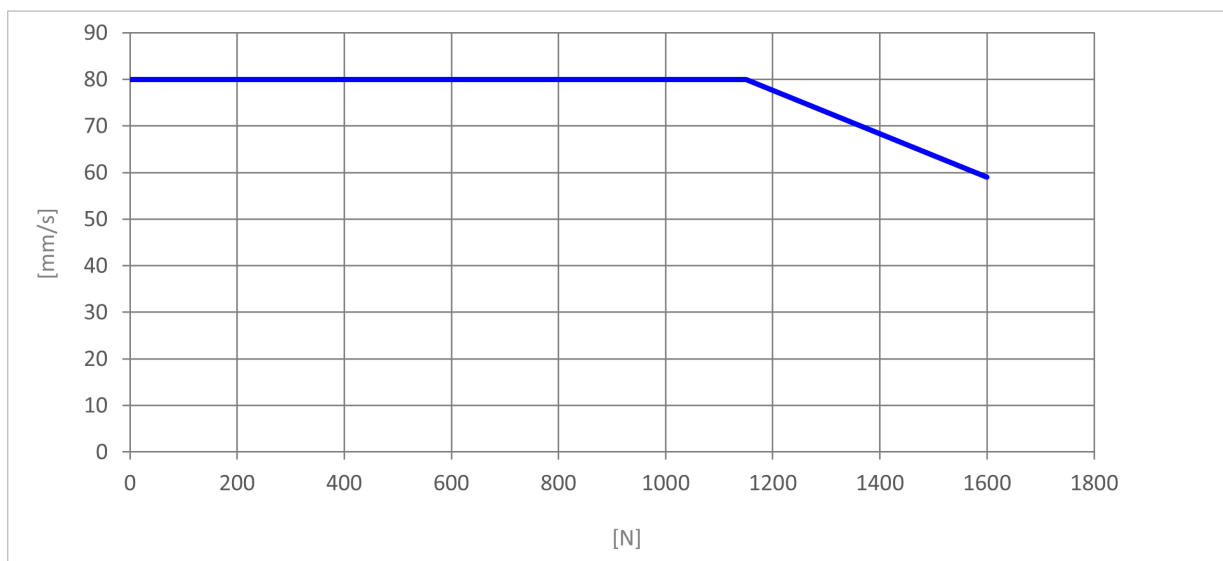


Figure 2 Two columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

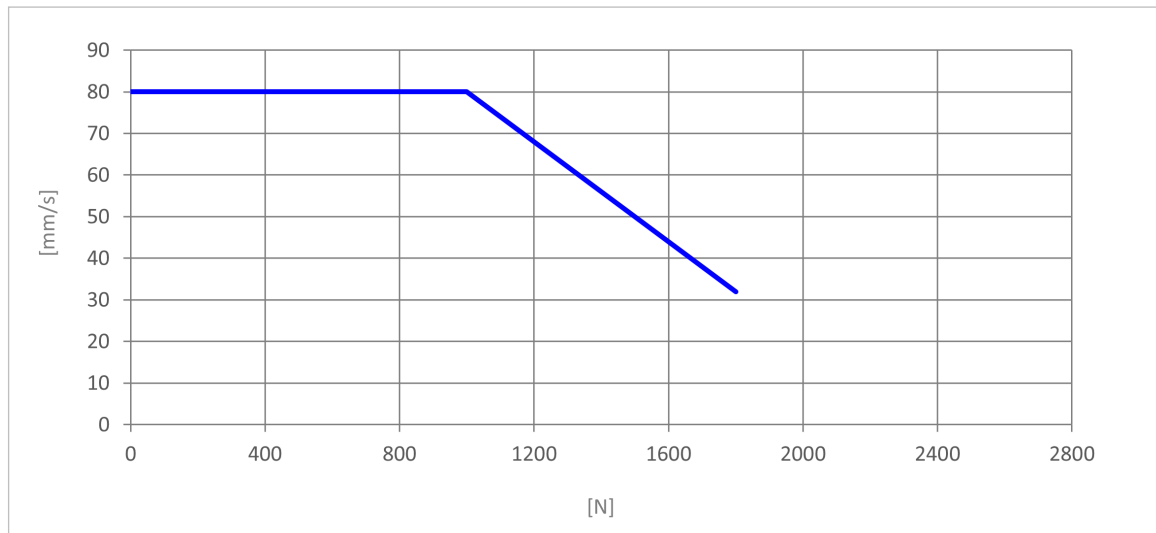


Figure 3 Three columns (equally loaded) - typical speed with CBD6S (230 V) 300 W

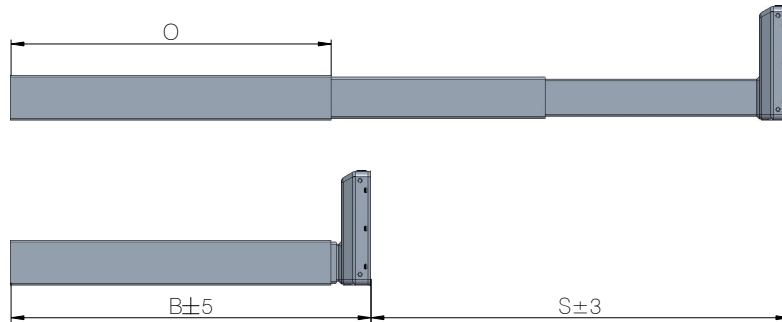


## Dimension drawings



All dimensions are in mm.

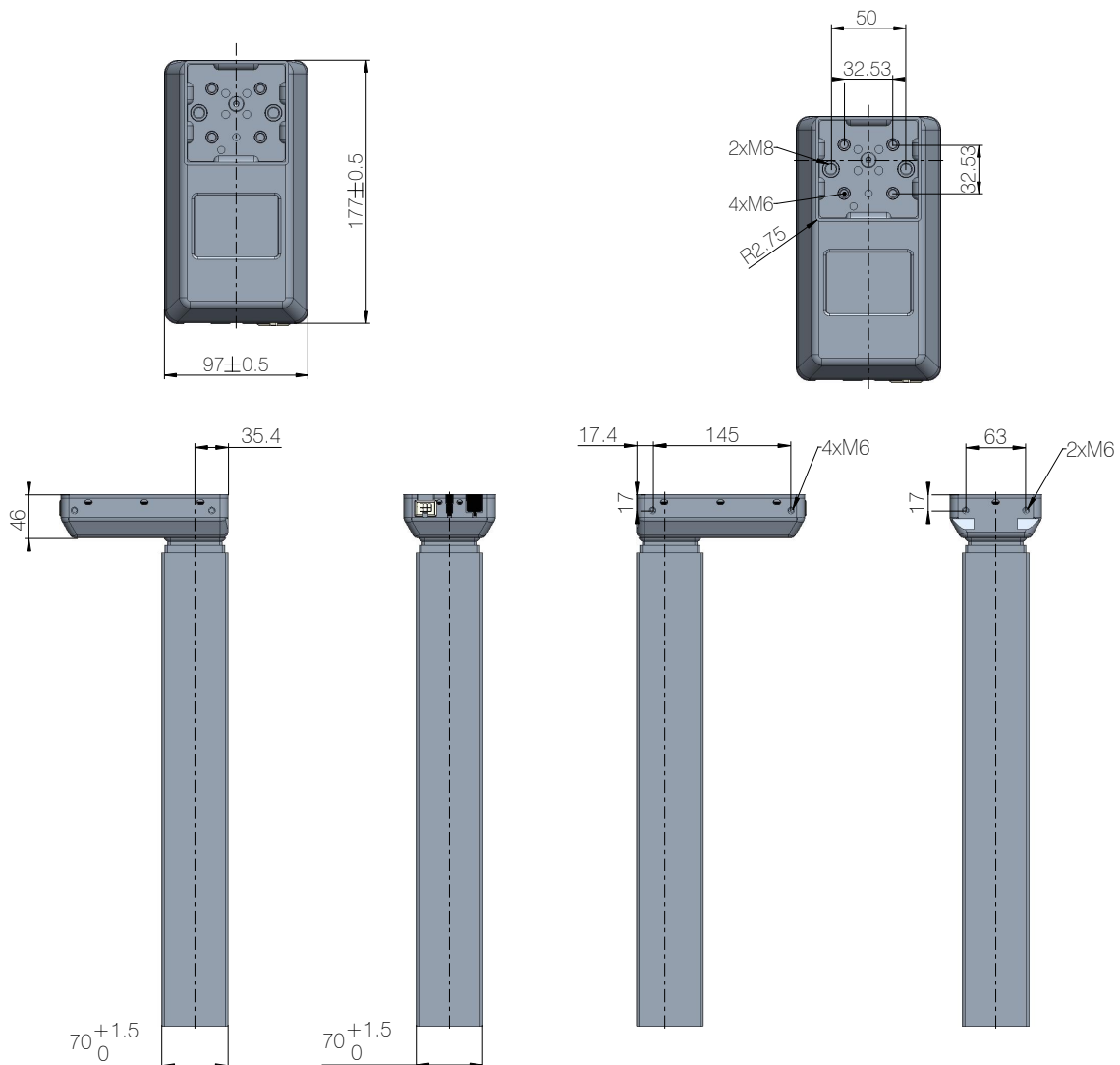
### Columns



Drawing no. 1029W7901

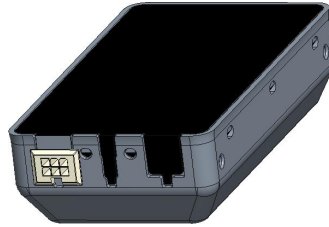
| Version  | Combination code          | S (Stroke length) | B (Built-in length) | O (Outer profile length) |
|----------|---------------------------|-------------------|---------------------|--------------------------|
| Standard | DL19Fxxxxxxxxxxxxx0650560 | 650               | 560                 | 498                      |
| BIFMA    | DL19Fxxxxxxxxxxxxx0665518 | 665               | 518                 | 456                      |

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



Drawing no. 1029W7901

Figure 5 Motor housing, bottom plate, and profile

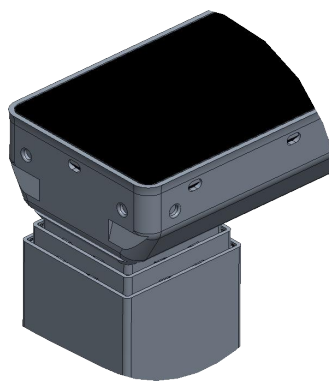


Standard

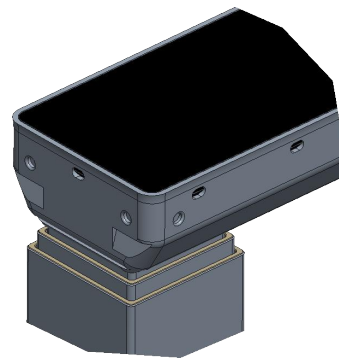
Drawing no. 1029W7901

| Combination code            | Type     |
|-----------------------------|----------|
| DL19Fxxxxxxxxxxxxxxxxxxxxxx | Standard |

Figure 6 Socket combination



Without trim rings

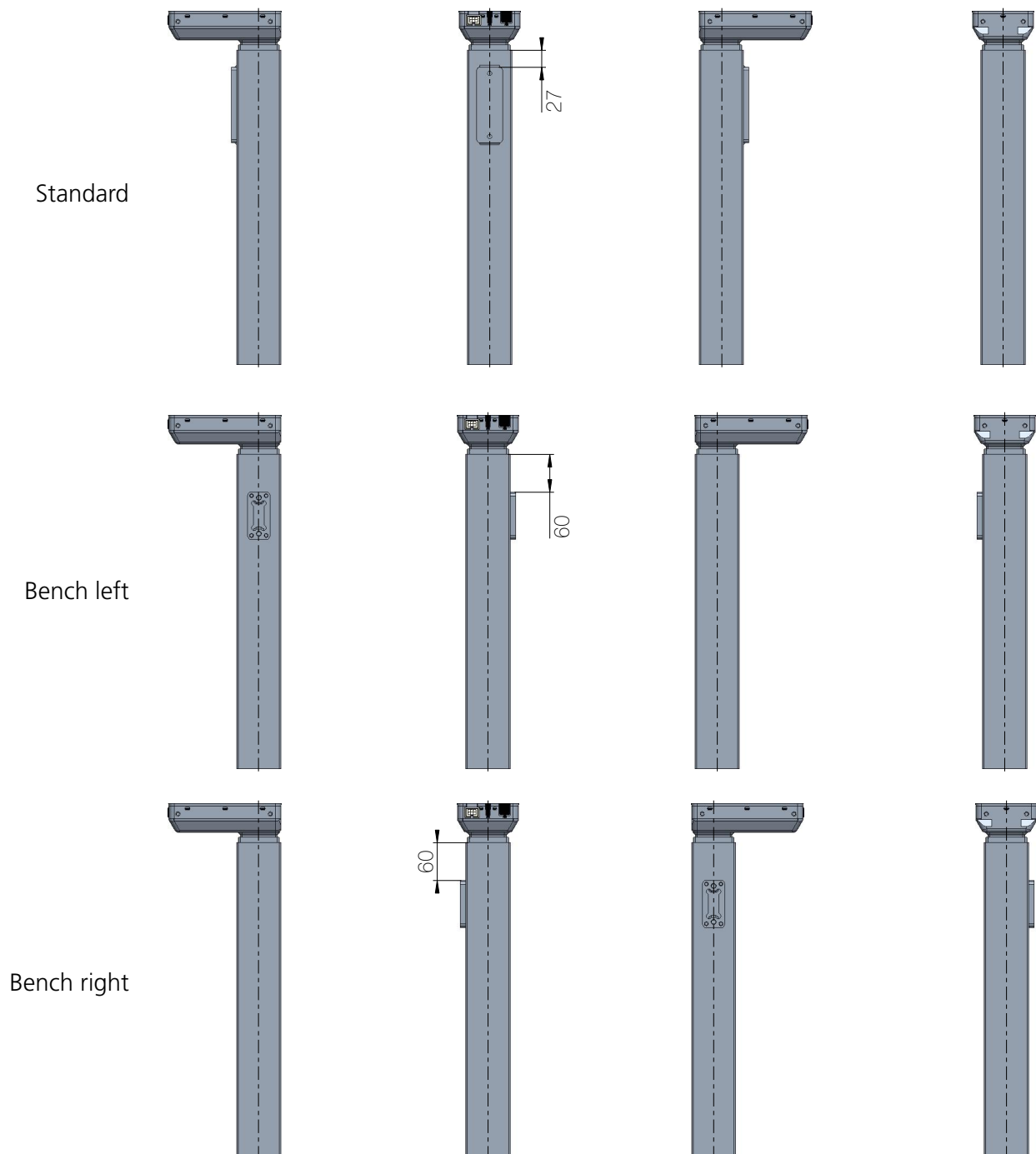


With trim rings

Drawing no. 1029W7901

Figure 7 Profile designs

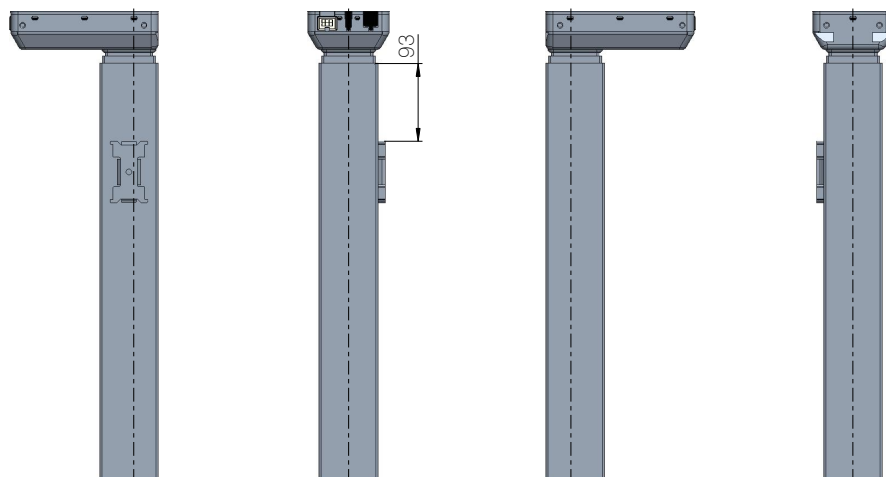
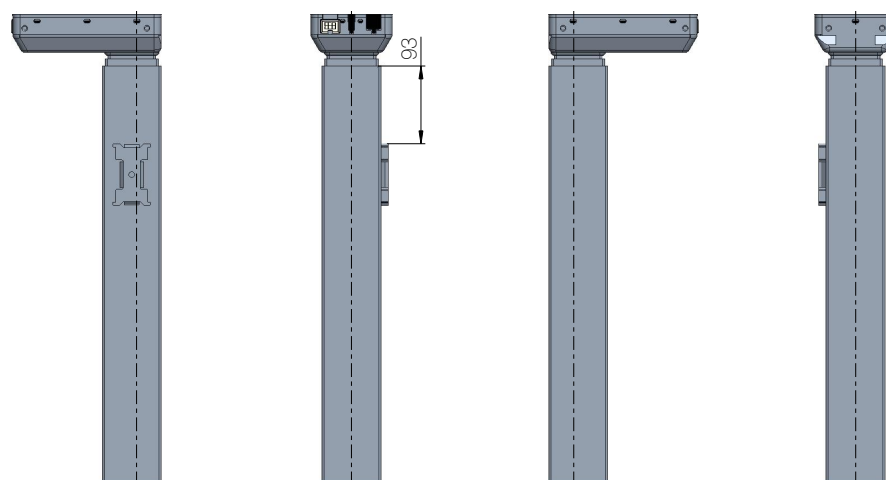
## Bracket options



Drawing no. 1029W7901

| Combination code              | Standard | Bench left | Bench right |
|-------------------------------|----------|------------|-------------|
| DL19Fxxxxxxxxx1xxxxxxxxxxxxxx | X        |            |             |
| DL19FxxxxxxxxxLxxxxxxxxxxxxxx |          | X          |             |
| DL19FxxxxxxxxxRxxxxxxxxxxxxxx |          |            | X           |

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

**DESKLINE bench left****DESKLINE bench right**

Drawing no. 1029W7901

| Combination code             | DESKLINE bench left | DESKLINE bench right |
|------------------------------|---------------------|----------------------|
| DL19FxxxxxxxxVxxxxxxxxxxxxxx | X                   |                      |
| DL19FxxxxxxxxHxxxxxxxxxxxxxx |                     | X                    |

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

## Brackets

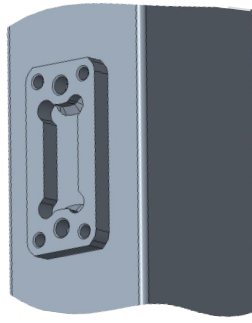


Figure 11 Bench bracket (type L and R)

Drawing no. 1029W7901

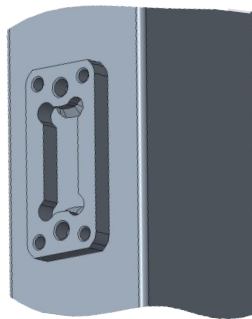


Figure 12 Bench bracket (type L and R)

Drawing no. 1029W7901

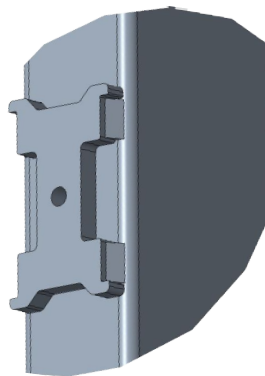
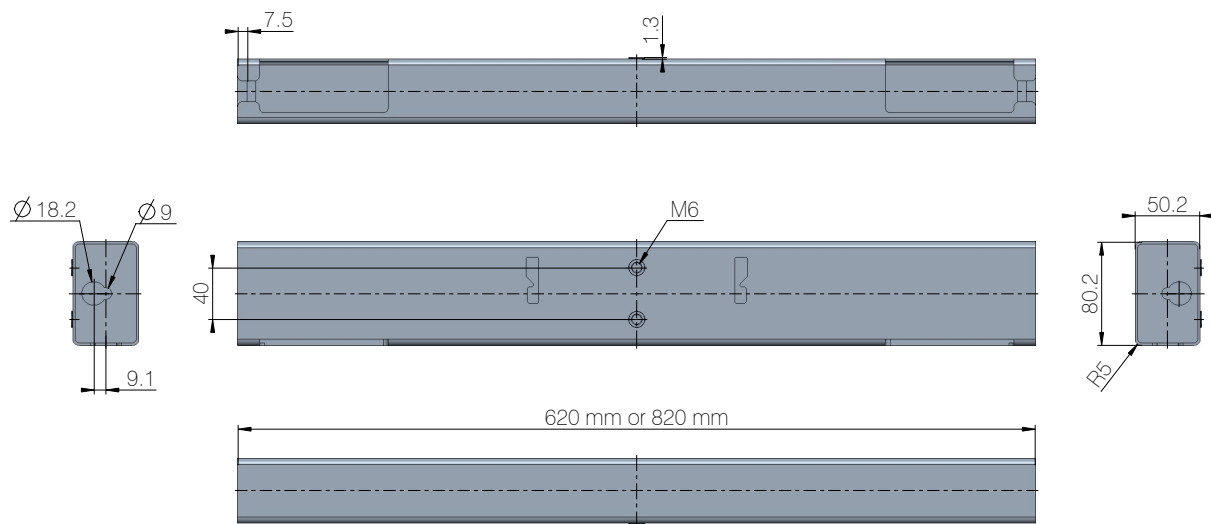


Figure 10 Bench bracket (type V and H) - compatible with LINAK cross members

Drawing no. 1041W7906

## Cross members

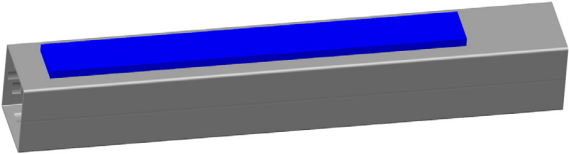
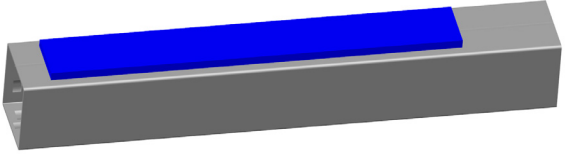
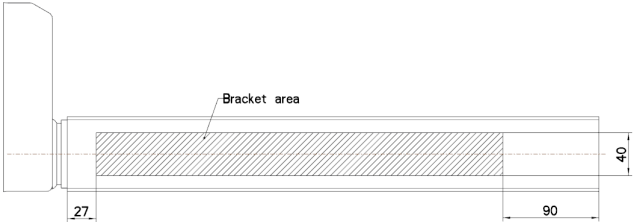
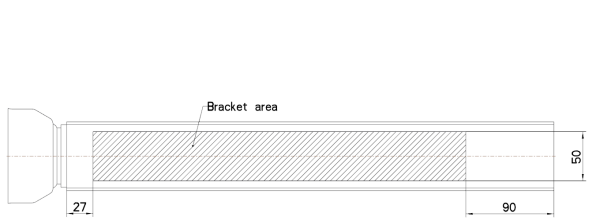
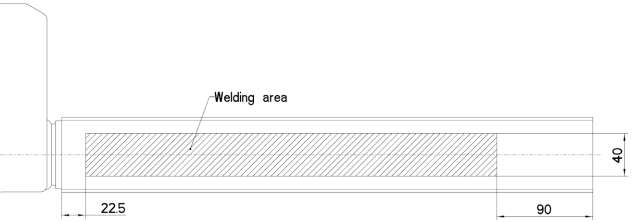
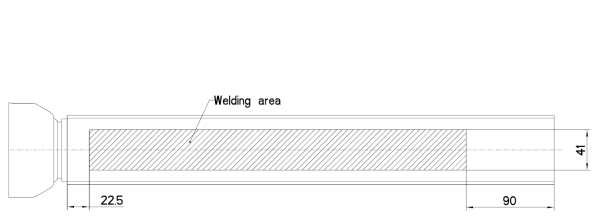


Drawing no. 1066W4030

Figure 13 Cross member

## Brackets

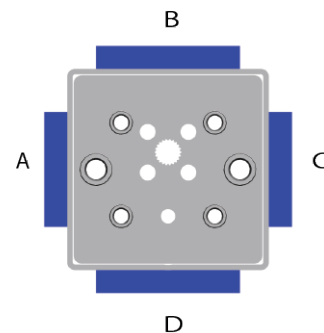
Maximum four brackets can be placed on the same profile. Place the bracket in the specified areas only.

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



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