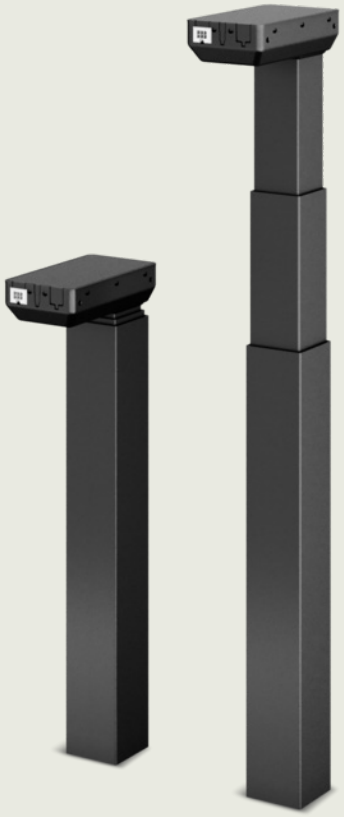
DL19
Data Sheet



LINAK®
WE IMPROVE YOUR LIFE



The DESKLIFT™ DL19 is a three-part lifting column featuring the optimised PLUS™ design, square profiles, and an integrated motor housing. Suitable for a wide range of applications, from industrial workstations to office desks, it combines a short installation height with a long stroke length, ensuring ergonomic adjustment for users of all heights.

With the same outer dimensions (70 × 70 mm) and motor-housing mounting holes as the two-part DL18, the DL19 is compatible with the same top frames and foot constructions. The compact motor housing is discreetly integrated into the tabletop construction.

The synchronous movement of the middle profile keeps all profiles at equal heights throughout operation, enhancing desk aesthetics, while the robust design ensures high stability and durability.

The DL19 is available in several standard colours to complement a wide variety of desk designs.

The DL19 PLUS™ range offers additional options, including:

- Trim rings in black, grey, or white for an enhanced appearance
- PIEZO™ collision protection to help prevent damage to the desk and surrounding objects
- Versions designed for bench solution

The columns are controlled by a DESKLINE® control box (CBD), ensuring smooth parallel drive and low-noise operation. Depending on the control box, the system can be configured with a single column, 2 to 4 columns in parallel, or up to 16 columns in multi-parallel setups.

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 CBD6S:

Parameter	With CBD6S (300 W or 200 W)	
Max. speed (unloaded)	38 mm/s	23 mm/s
Max. load (per column)	800 N	1200 N
Self-lock (per column)	800 N	1200 N

- Installation dimension: 560 mm
518 mm (BIFMA)
- Stroke length: 650 mm
665 mm (BIFMA)
- Weight: Approximately 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

- PIEZO™: Integrated sensor minimising the risk for damage to a desk caused by squeezing or blocking it in upward or downward direction
- Available with trim rings in black, grey or white
- Prepared for Click-on Feet
- Available as high-speed variants for fast height adjustment (in combination with CBD6S with software SW03002024 version 1.03 or newer)

Parameter	With CBD6S (300 W)	With CBD6S (200 W)
Max. speed (unloaded)	80 mm/s	60 mm/s
Max. load (per column)	700 N	
Self-lock (per column)	1200 N	

- High-speed XL: High-speed columns are available in variants with long stroke length

Parameter	With CBD6S (300 W)	With CBD6S (200 W)
Max. speed (unloaded)	80 mm/s	60 mm/s
Built-in dimension	785 mm	
Stroke length	1100 mm	
Max. load (per column)	600 N	
Self-lock (per column)	1200 N	
Bending moment	My = max. 100 Nm dynamic	

- Available with bench bracket (two versions) and with standard bracket, see Dimension drawings
- Customised colours
- Available as DESKLIFT™ SetPack

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

Compatibility

- DESKLINE® control boxes
- DESKLINE® controls
- Kick & Click™ top frame
- Desk Frame 5
- DESKLIFT™ Feet including Click-on Feet

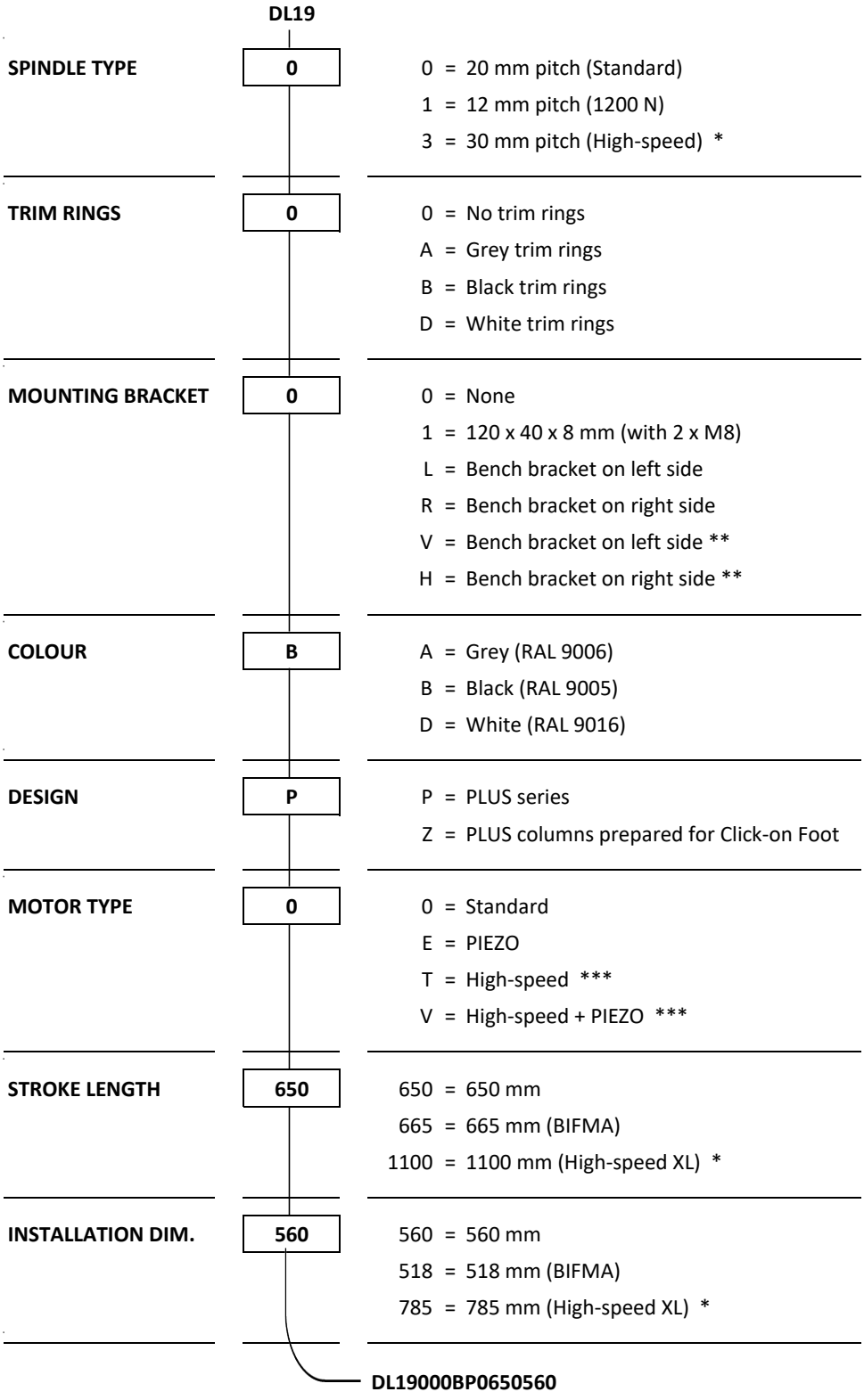
Usage

- Single or 2, 3 or 4 parallel drive or even multi-parallel with up to 16 columns
- Duty cycle: 10 % ≈ max. 2 minutes continuous use at full load, followed by 18 minutes pause
- For indoor use itn 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 and to the CBD6S Data Sheet.

Ordering



**: Always with motor type option T or V*

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

***: Always with spindle type 30 mm pitch

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.

If you want to operate a 1200 N column **without** PIEZO™ with a desk panel with display, you must configure the actuator type in the control box to ensure the correct read-out.

If you want to operate a 1200 N column **with** PIEZO™, do not configure the actuator type. This column has IID and will automatically be detected as the right type of column.

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 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.

DL19 800 N (20 mm spindle)

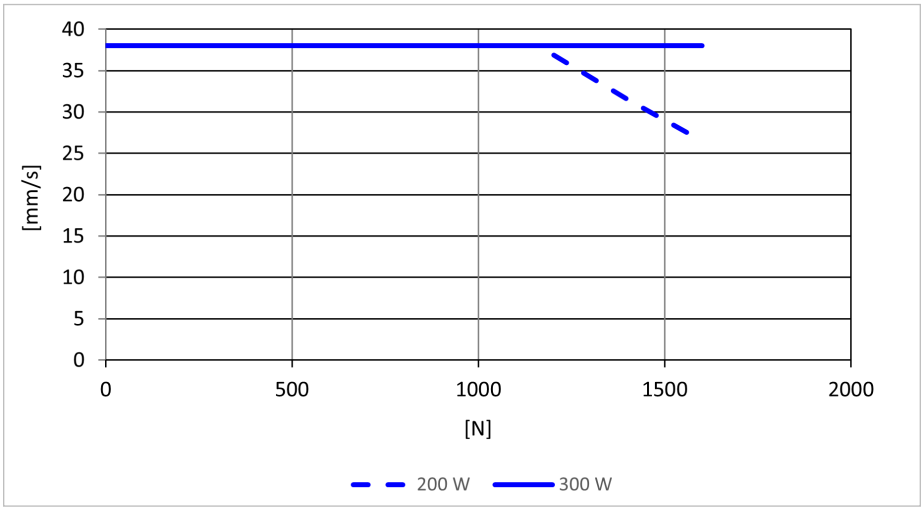


Figure 1 Two columns (equally loaded) - 200 W / 300 W

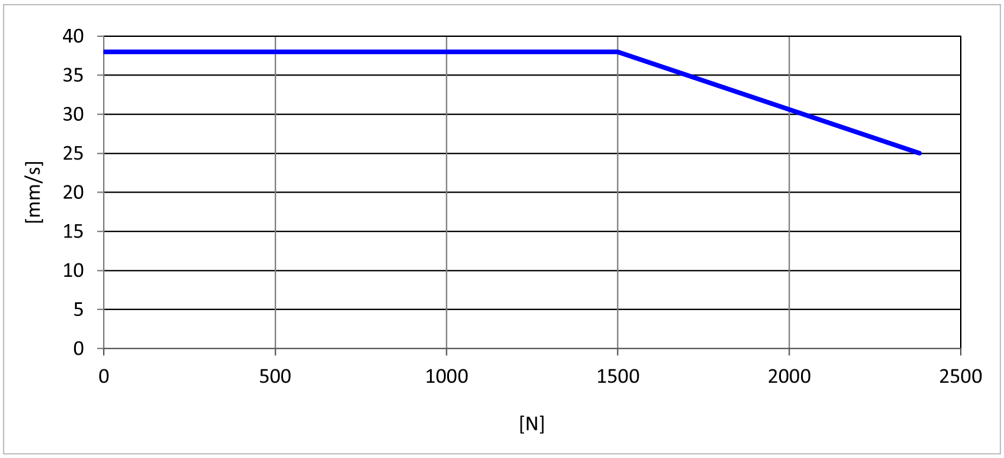


Figure 2 Three columns (equally loaded) with CBD6S - 300 W

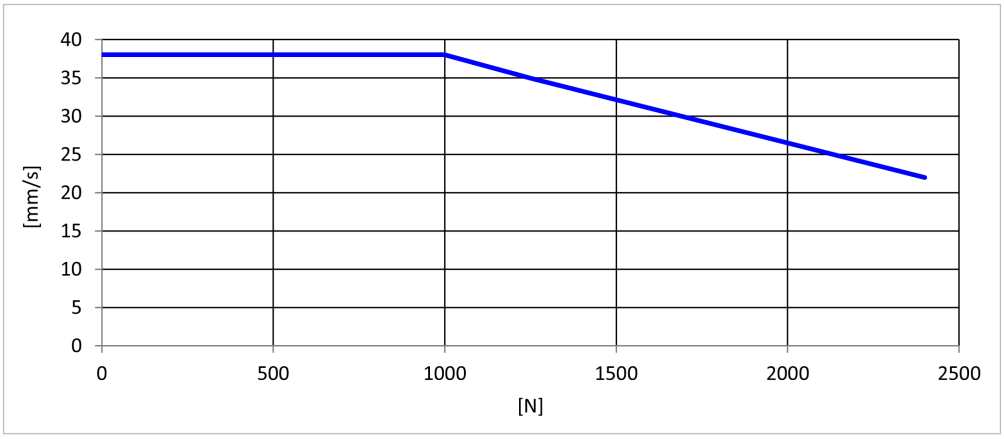


Figure 3 Four columns (equally loaded) with CBD6S - 300 W

High-speed columns with CBD6S

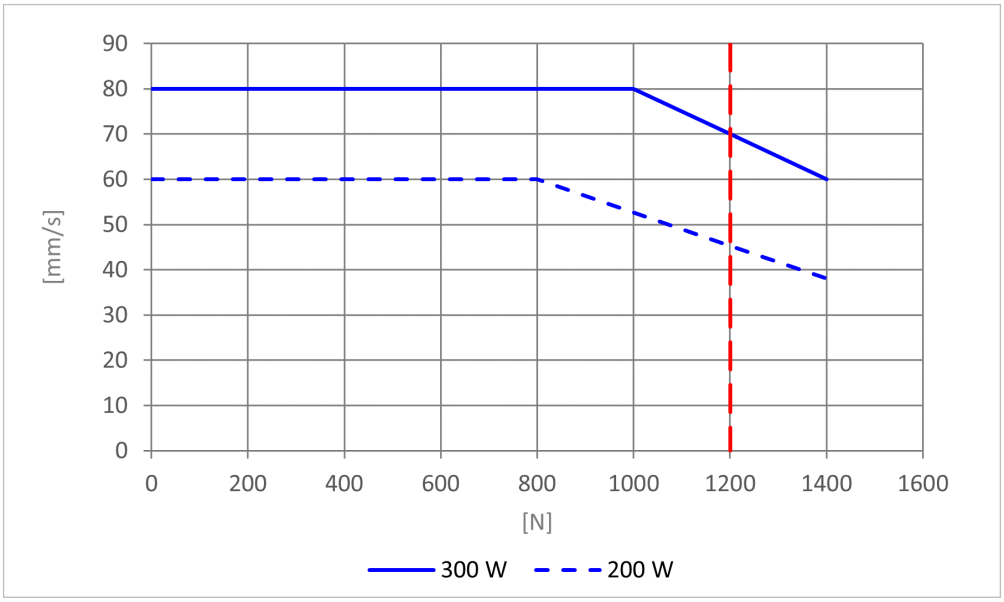


Figure 4 Two High-speed columns (equally loaded) with CBD6S - 200 W / 300 W

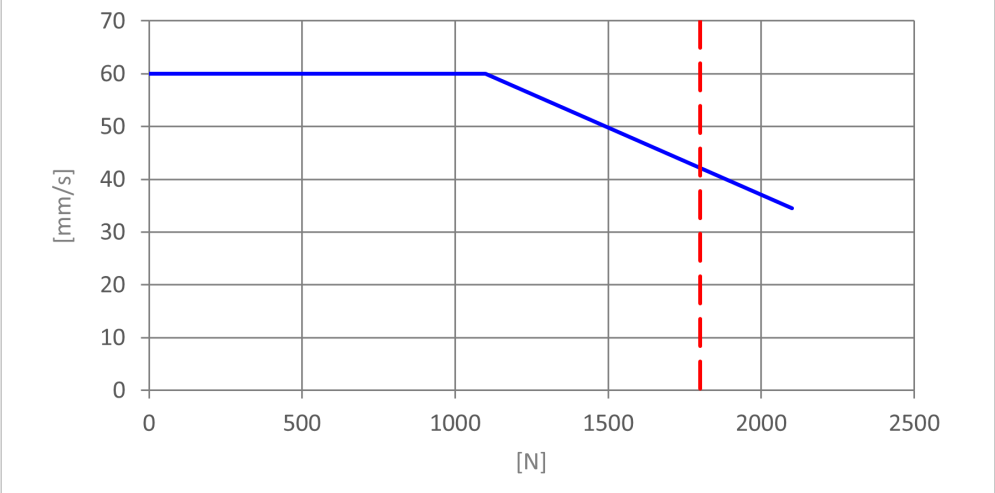


Figure 5 Three High-speed columns (equally loaded) with CBD6S - 300 W

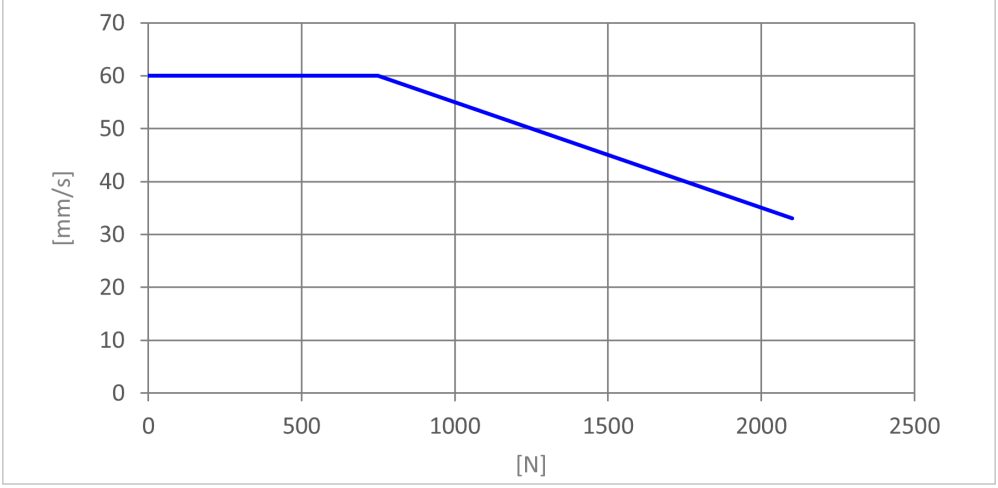


Figure 6 Four High-speed columns (equally loaded) with CBD6S - 300 W

The vertical dotted line indicates the maximum load for High-speed XL columns.

DL19 1200 N (12 mm spindle) with CBD6S

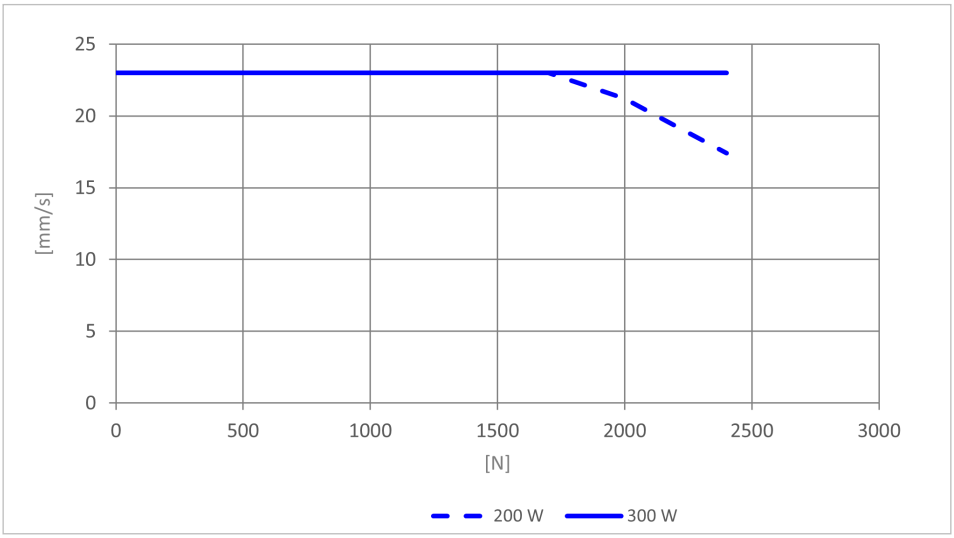


Figure 7 Two columns (equally loaded)

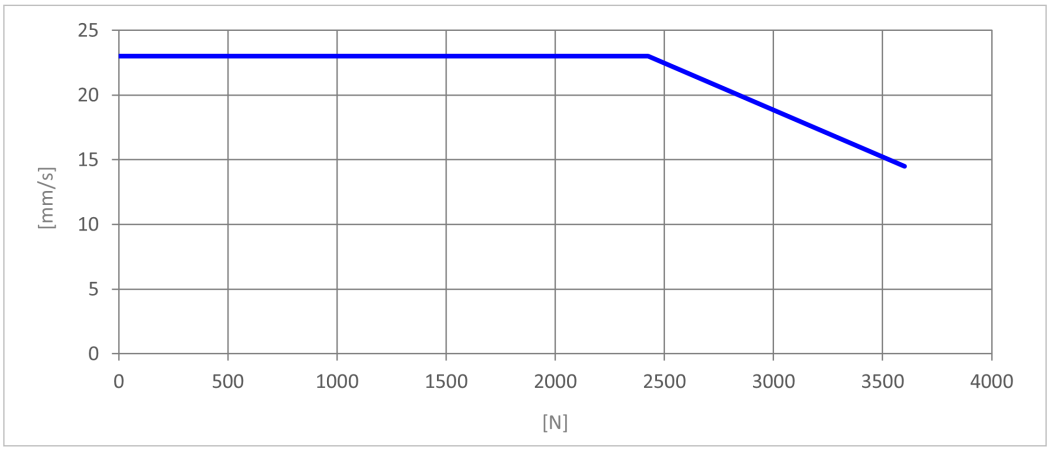


Figure 8 Three columns (equally loaded) with CBD6S - 300 W

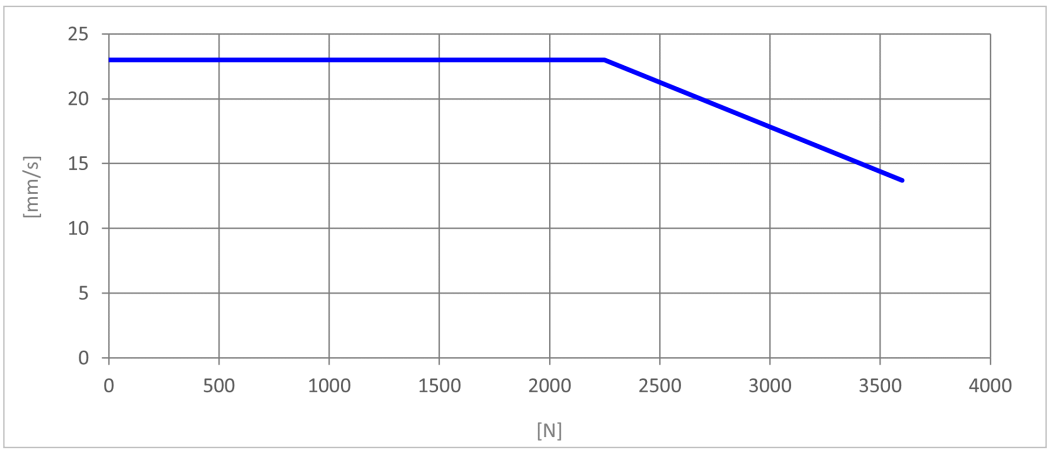
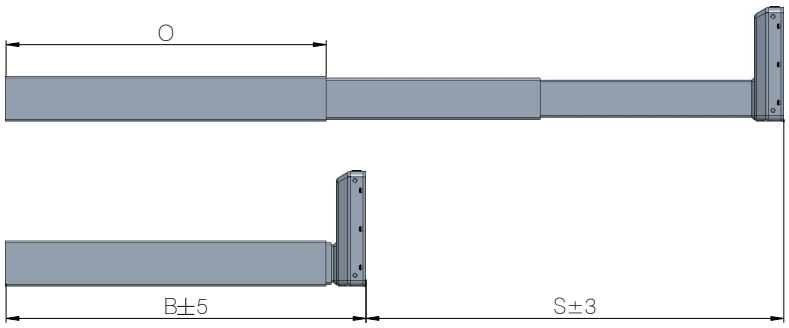


Figure 9 Four columns (equally loaded) with CBD6S - 300 W

Dimension drawings

All dimensions are in mm and without powder coating.

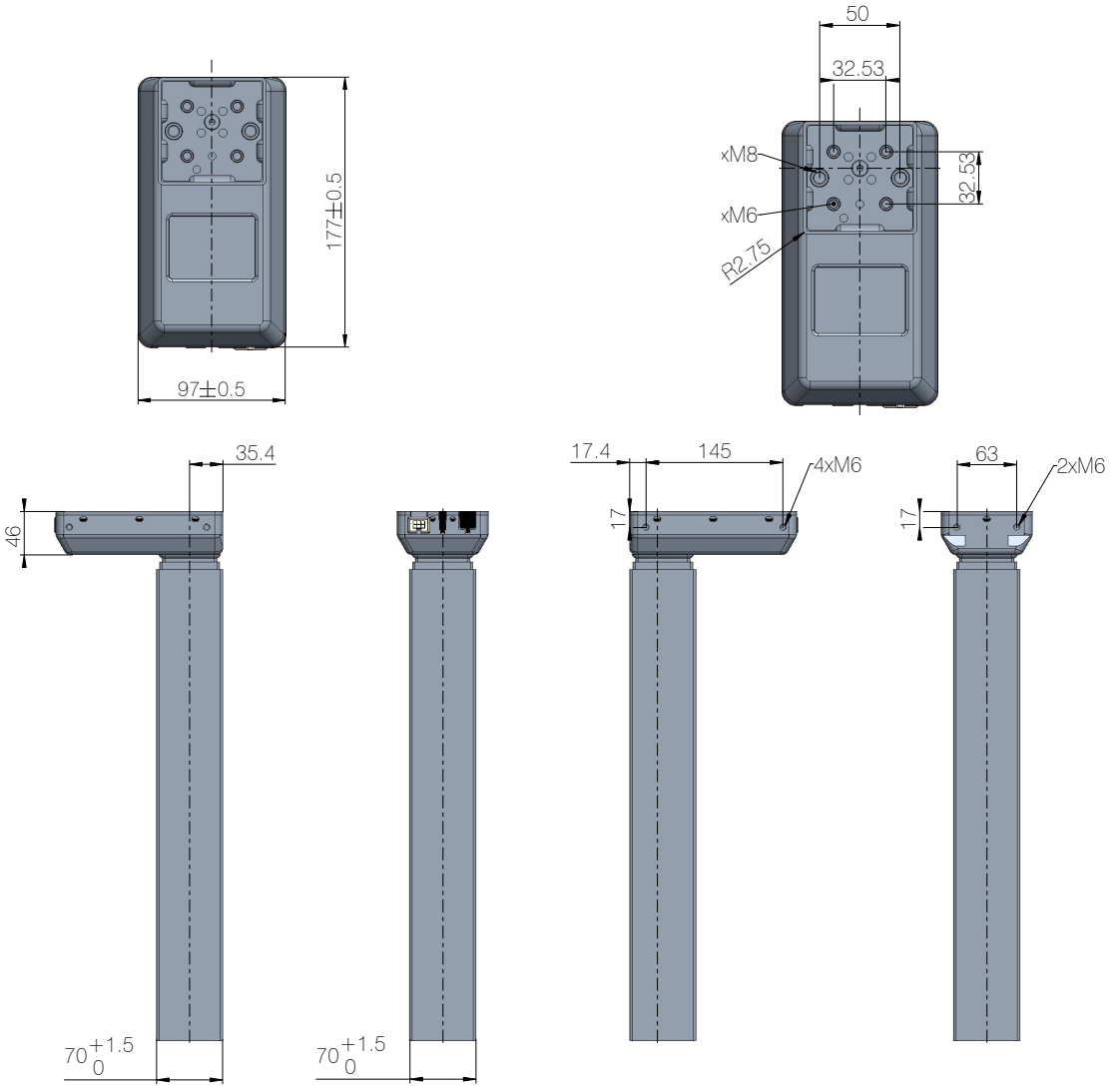
Columns



Drawing no. 1029W7901

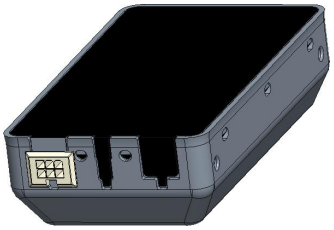
Version	Combination code	B (Built-in length)	S (Stroke length)	O (Outer profile length)
Standard	DL19xxxxxx650560	560	650	498
BIFMA	DL19xxxxxx665518	518	665	456
High-speed XL	DL193xxxxx1100785	785	1100	723

Figure 10 Built-in length, stroke length, and outer profile length



Drawing no. 1029W7901

Figure 11 Motor-housing, bottom plate, and profile

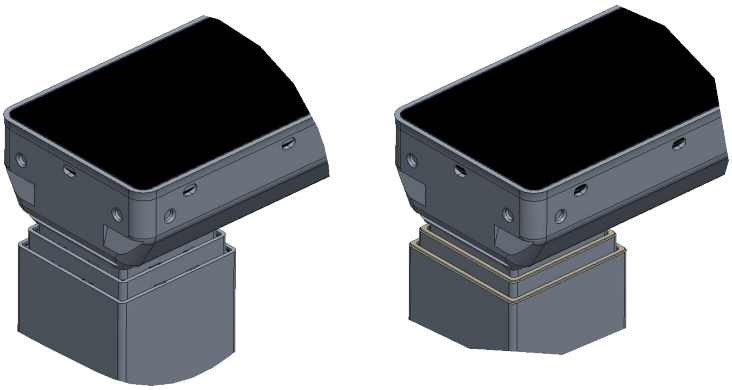


Standard

Drawing no. 1029W7901

Combination code	Type
DL19xxxxxxxxxxx	Standard

Figure 12 Socket combination



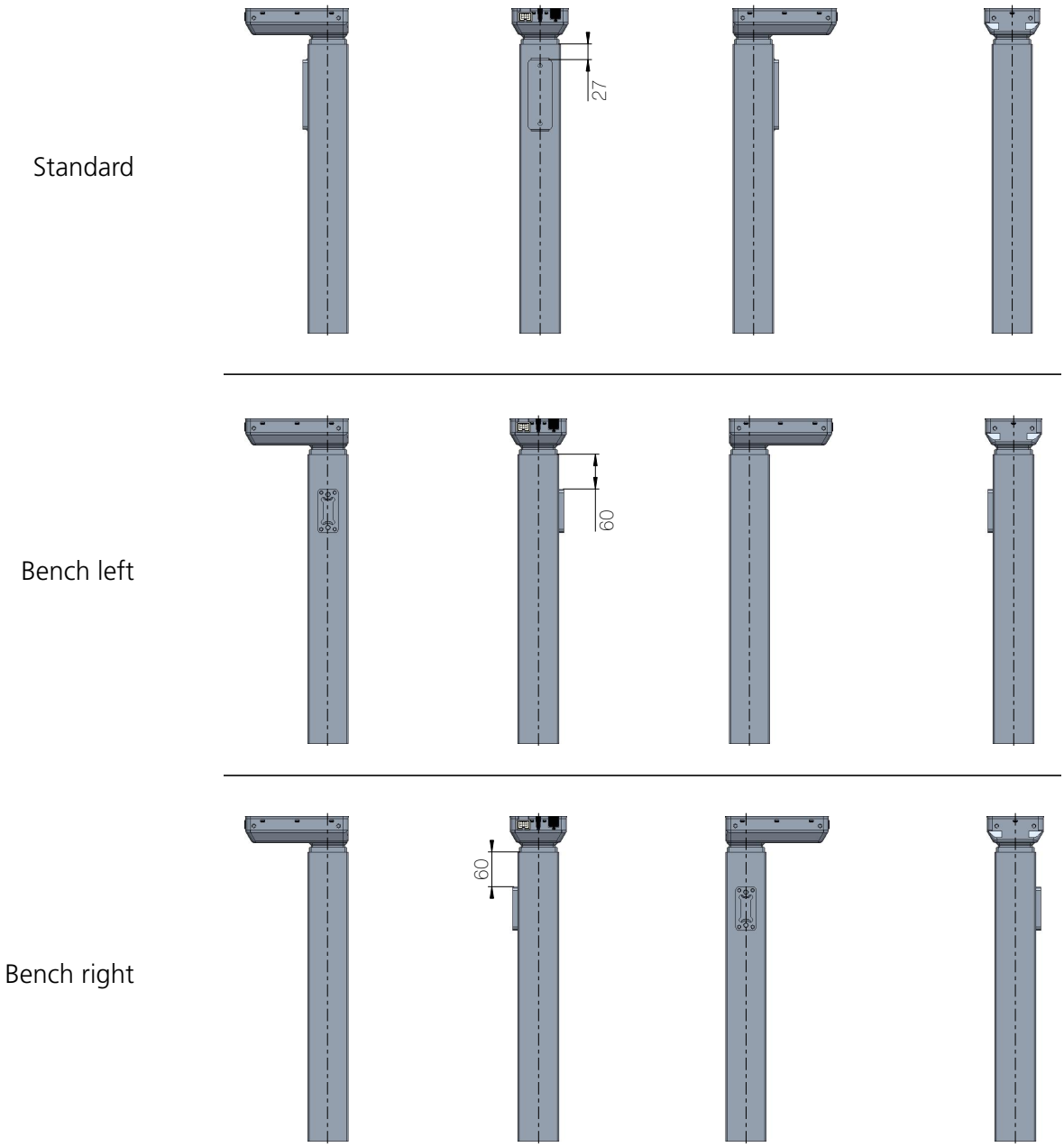
Without trim rings

With trim rings

Drawing no. 1029W7901

Figure 13 Profile designs

Bracket options

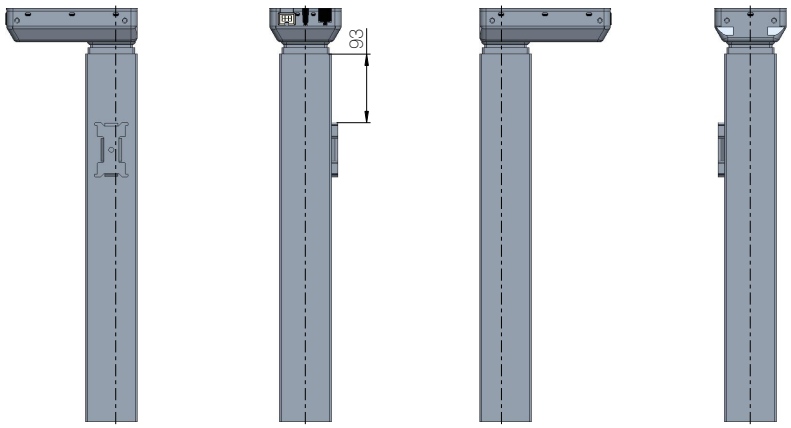


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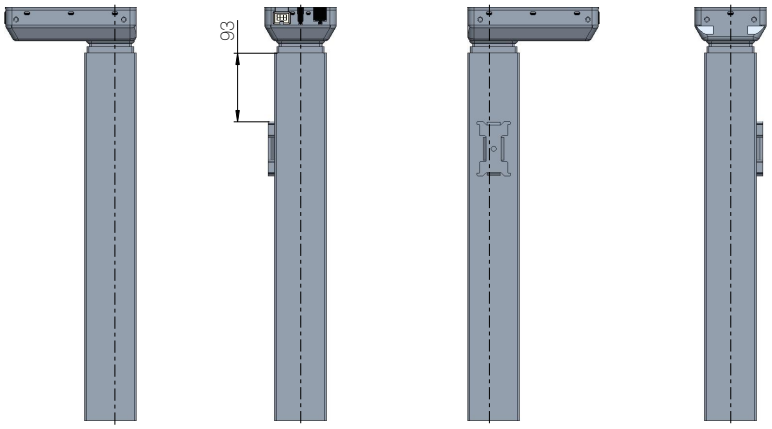
Combination code	Standard	Bench left	Bench right
DL19xx1xxxxxxxxx	X		
DL19xxLxxxxxxxxx		X	
DL19xxRxxxxxxxxx			X

Figure 14 Bracket options (types standard, L and R)

DESKLINE Bench left



DESKLINE Bench right

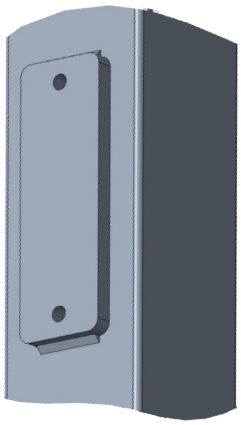


Drawing no. 1029W7901

Combination code	DESKLINE Bench left	DESKLINE Bench right
DL19xxVxxxxxxxxx	X	
DL19xxHxxxxxxxxx		X

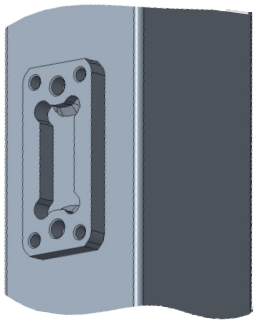
Figure 15 DESKLINE Bench bracket options (types V and H)
(compatible with LINAK cross members)

Bracket types



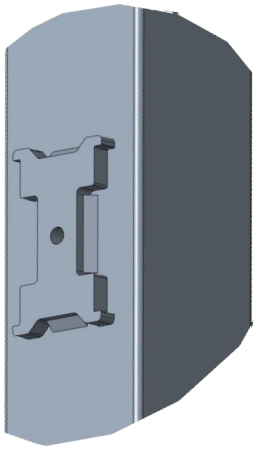
Drawing no. 1029W7901

Figure 16 Standard bracket



Drawing no. 1029W7901

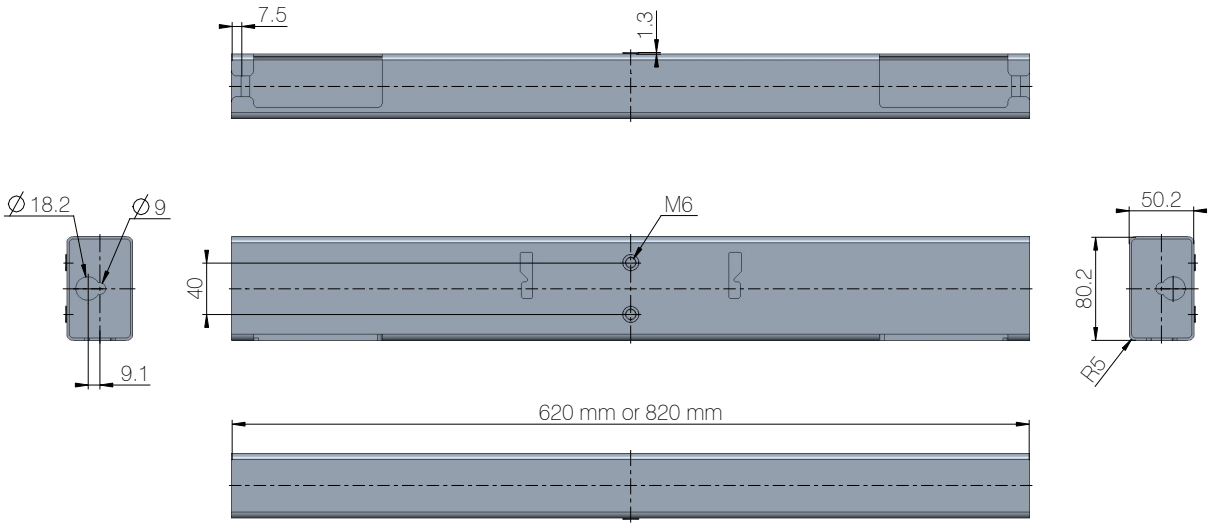
Figure 17 Bench bracket (type L and R)



Drawing no. 1029W7901

Figure 18 Bench bracket (type V and H) - compatible with LINAK cross members

Cross members



Drawing no. 1066W4030

Figure 19 Cross member

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

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