

DL20

Data Sheet





The DESKLIFT™ DL20 is a compact two-part lifting column, which is a perfect choice for a wide range of different desk applications; from industrial and technical work stations to sit-stand office desk.

The DL20 has a compact motor housing, which is almost invisible in the tabletop construction. The column is very sturdy for which reason a crossbar is not necessary. The DL20 has the same outer dimensions (60 x 90 mm) as the three-part DL21 column, which make them fit the same tabletop and table foot construction, including the Kick & Click™ top frame.

The DL20 is a PLUS™ column ensuring a clean design without gliding pads. The column is available in three standard colours (black, grey and white) - and can optionally be delivered in other colours. Trim rings for optimised appearance are available in black, grey or white.

The DL20 system is controlled by the DESKLINE® control box (CBD). The control box ensures optimal parallel drive and a pleasantly low noise level. The DL20 can be used as a single column or with 2, 3 or 4 columns in parallel systems, or up to 16 columns in multi-parallel systems. 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/Usage

Features

- Two-part motor-housing column
- PLUS™: No visible gliding pads
- Max. load 800 N per column
- Max. speed 38 mm/s unloaded
- Standard installation dimension 645 mm
- Standard stroke length 500 mm
- Weight: Approximately 7.0 kg per column
- Dimensions column: 60 x 90 mm (outer profile) and 53.5 x 83.5 mm (inner profile). See also [Dimension drawings](#)
- Dimension motor housing: 177 x 97 x 46 mm
- Bending moment: $M_y = \max. 150 \text{ Nm}$ dynamic
- Colour: Available in black (RAL 9005), grey (RAL 9006) or white (RAL 9016)
- Hall sensor enabling parallel drive with DESKLINE® control boxes
- Low noise level

Options

- Available in custom colours
- Available with trim ring in black, grey or white
- Available with bench bracket

Usage

- Single or 2, 3 or 4 parallel drive or even multi-parallel with up to 16 columns
- Duty cycle: 10% $\approx$ 2 minutes continuous use at full load followed by 18 minutes pause
- For indoor use in dry locations
- Ambient temperature: 10 to 40 °C
- Storage and transportation temperature: -10 to +70 °C
- Compatible with DESKLINE® control boxes and all DESKLINE® controls
- Compatible with the Kick & Click™ top frame
- System compliance, see the Declaration of Conformity in the [User Manual](#)

Performance curves

The following data is measured in connection with 2 to 4 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.

DL20 800 N (20 mm spindle) with CBD6S

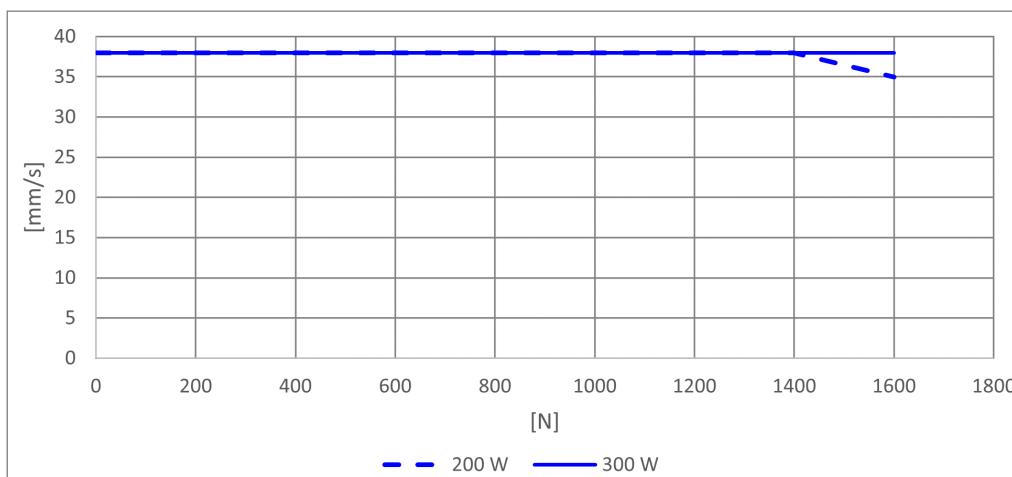


Figure 1 Two columns (equally loaded) with CBD6S

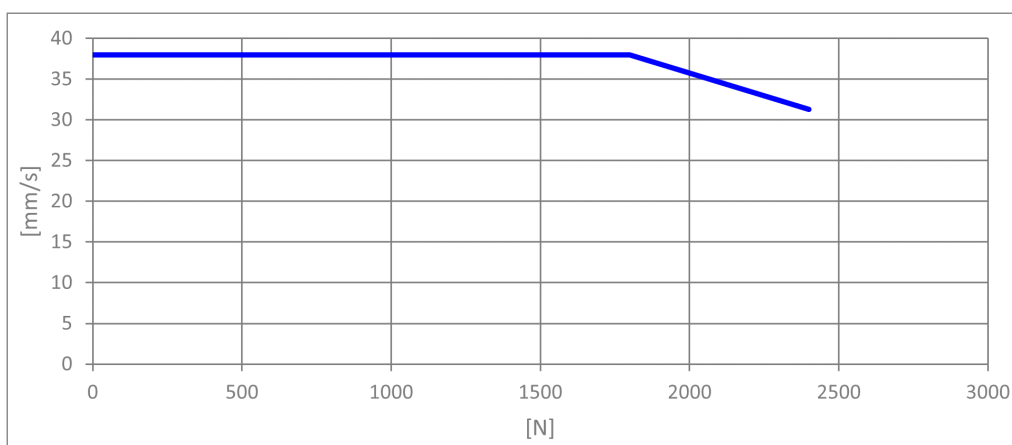


Figure 2 Three columns (equally loaded) with CBD6S (300 W)

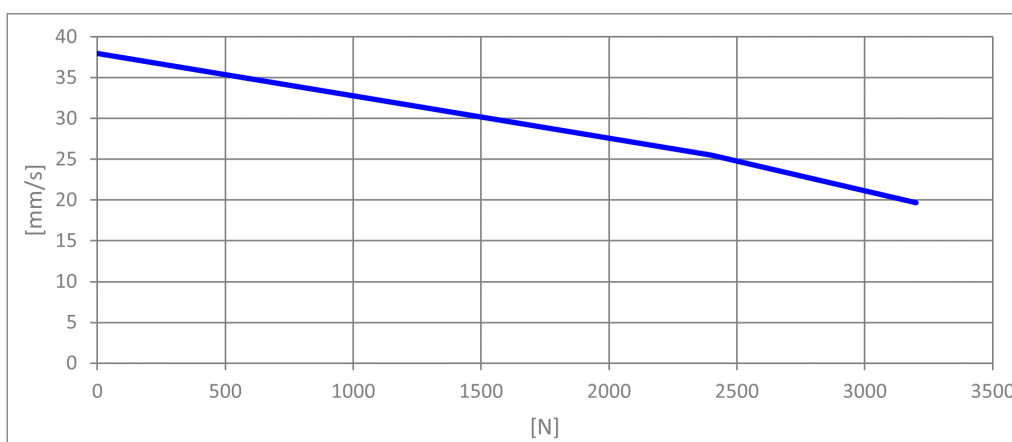


Figure 3 Four columns (equally loaded) with CBD6S (300 W)

Ordering

	DL20		
SPINDLE TYPE	0	0 = 20 mm pitch	
TRIM RING	0	0 = No trim ring B = Black trim ring	A = Grey trim ring D = White trim ring
MOUNTING BRACKET	0	0 = None	L = Bench bracket on left side R = Bench bracket on right side
COLOUR	B	A = Grey (RAL 9006)	B = Black (RAL 9005) D = White (RAL 9016)
OPTION	P	P = PLUS series	
MOTOR TYPE	0	0 = Standard	
STROKE LENGTH	500	500 = 500 mm	
INSTALLATION DIM.	645	645 = 645 mm	

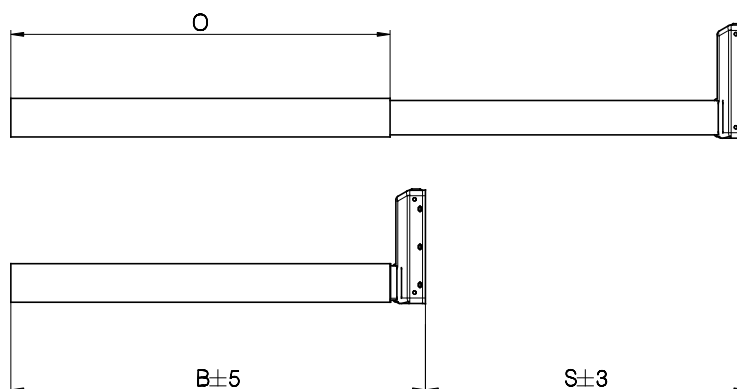
Selected item type: DL20000BP0500645



All cables for creating a fully connected DESKLINE® system must be ordered separately. We offer a range of different versions and lengths. For information such as ordering number, colour and cable lengths, please contact your local LINAK.

Dimension drawings

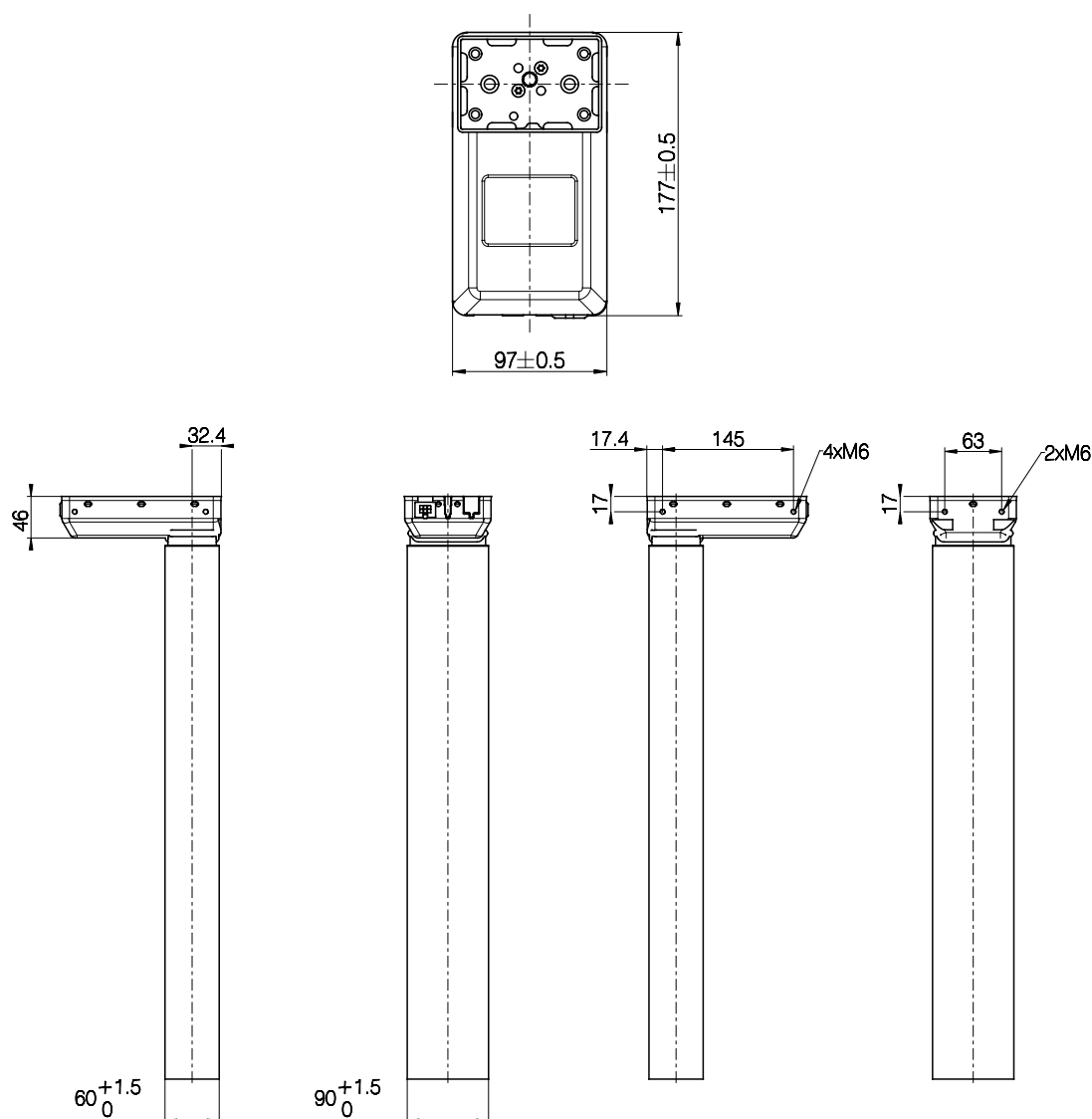
Column



Drawing No. 1064W8902

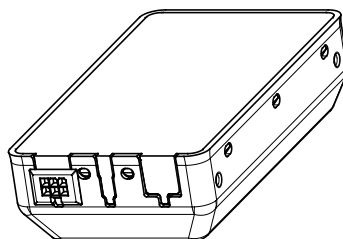
Version	Combination code	B (Built-in length) [mm]	S (Stroke length) [mm]	O (Outer profile length) [mm]
EU	DL20xxxxxx500645	645	500	590

Figure 4 Built-in length, stroke length, and outer profile length (mm)



Drawing No. 1064W8902

Figure 5 Motor housing and profile dimensions (mm)

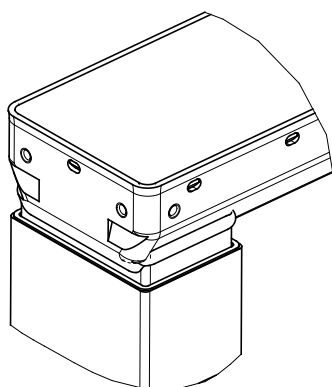


Standard

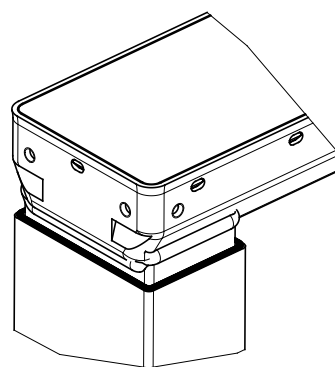
Drawing No. 1064W8902

Combination code	Type
DL20xxxxx0xxxxxx	Standard

Figure 7 Socket combination



Without trim ring



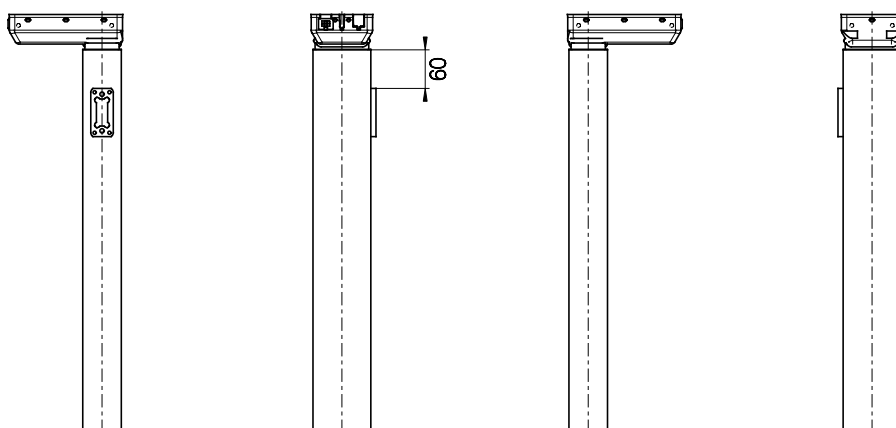
With trim ring

Drawing No. 1064W8902

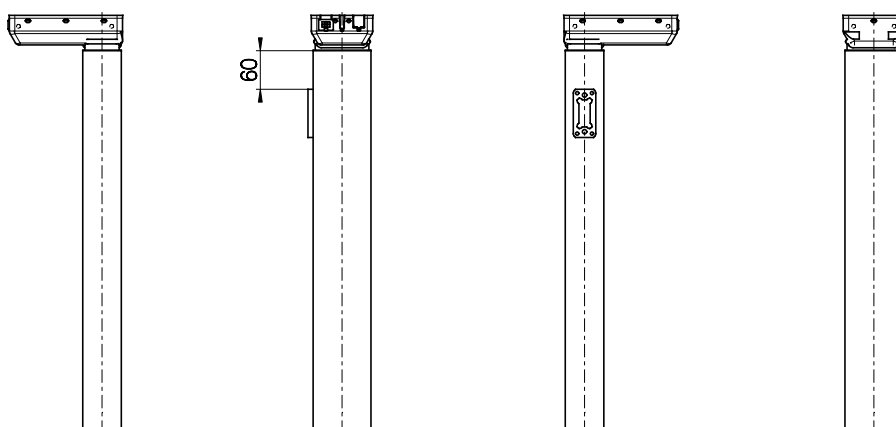
Figure 6 Profile design

Bracket options

Bench left



Bench right



Drawing No. 1064W8902

Combination code	Bench left	Bench right
DL20xxLxxxxxxxxx	X	
DL20xxRxxxxxxxxx		X

Figure 8 Bracket options (dimensions in mm)

Bracket

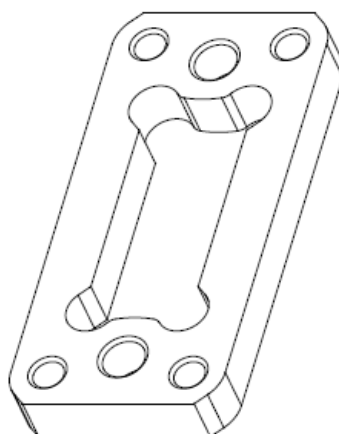


Figure 9 Bench bracket (types L and R)

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