

DL11

Data Sheet





The DESKLIFT™ DL11 is a compact round three-part lifting column perfect for a wide range of height-adjustable desk applications such as sit-stand office desks. With its short installation dimension and long stroke length the three-part DL11 is an optimal choice for a desk no matter the height of the person using it.

The DL11 profile is secured against rotating/twisting. The DL11 has a compact motor housing, which is almost invisible in the tabletop construction, and the column is very sturdy. The DL11 has the same outer dimensions (ø70 mm) and motor-housing mounting holes as the two-part DL10 column, which makes them fit the same top frame and foot constructions, including the Kick & Click™ top frame. The DL11 is available in several standard colours to fit into a wide range of desk designs - and can optionally be delivered in other colours.

The wide DL11 product programme offers various options such as:

- PLUS™ - a design-optimised version - optionally available with trim rings in black, grey or white for optimised appearance
- PLUS™ High-speed - fast height adjustment and optimised design
- PLUS™ High-speed XL - fast height adjustment, optimised design, and long stroke length
- PIEZO™ (collision protection) minimising the risk of damage to a desk caused by collision with an obstacle

The DL11 columns are controlled by a DESKLINE® control box (CBD). The control box ensures optimal parallel drive and a pleasantly low sound level. Depending on the control box, the DL11 columns 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 variety of desk panels can be used for adjusting the desk. A Desk Sensor™ 1 anti-collision dongle can be plugged into the control box 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

- Three-part motor-housing column
- In combination with CBD6S:

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

- Installation dimension: 575 mm
560 mm (always when PLUS and/or PIEZO)
518 mm (BIFMA)
- Stroke length: 635 mm
650 mm (always when PLUS and/or PIEZO)
665 mm (BIFMA)
- Weight: Approximately 7.5 kg per column
- Dimensions column: \varnothing 70 mm (see also [Dimension drawings](#))
- Dimensions 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
- The DL11 profile is secured against rotation/twisting

Options

- Available in custom colours
- PIEZO™: Integrated sensor minimising the risk of damage to a desk caused by squeezing or blocking it in upward or downward direction
- PLUS™:
 - No visible gliding pads
 - Available with trim rings in black, grey or white
- High-speed: PLUS™ columns 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: PLUS™ 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	

- Extended version XL (standard) dedicated for flat screens

Parameter	With CBD6S
Max. speed (unloaded)	38 mm/s
Built-in dimension	740 mm
Stroke length	965 mm
Max. load (per column)	600 N
Self-lock (per column)	600 N
Bending moment	My = max. 100 Nm dynamic

- Available as DESKLIFT™ SetPack

Compatibility

- DESKLINE® control boxes
- DESKLINE® controls
- Kick & Click™ top frame
- DESKLIFT™ 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 (Standard XL version: 5 % ≈ max. 2 minute continuous use at full load followed by 38 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](#) and to the [CBD6S Data Sheet](#).

Ordering

DL11		
SPINDLE TYPE	0	0 = 20 mm pitch (Standard) 3 = 30 mm pitch *
TRIM RINGS	0	0 = No trim rings A = Grey trim rings ** B = Black trim rings ** D = White trim rings **
OPTION	0	0 = Standard
COLOUR	B	A = Grey (RAL 9006) B = Black (RAL 9005) D = White (RAL 9016)
DESIGN	P	0 = Standard P = PLUS column
MOTOR TYPE	0	0 = Standard E = PIEZO T = High-speed *** V = High-speed + PIEZO ****
STROKE LENGTH	650	635 = 635 mm 650 = 650 mm **** 665 = 665 mm (BIFMA) 965 = 965 mm (Standard XL) 1100 = 1100 mm (High-speed XL) *
INSTALLATION DIM.	560	575 = 575 mm 560 = 560 **** 518 = 518 mm (BIFMA) 740 = 740 mm (Standard XL) 785 = 785 mm (High-speed XL) *
DL1100BP0650560		

*: Always with motor type option T or V

** : Only available with PLUS™ columns

*** : Always with PLUS™ columns and spindle type 30 mm pitch

**** : Always when PLUS and/or PIEZO



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 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.

DL11 800 N (20 mm spindle)

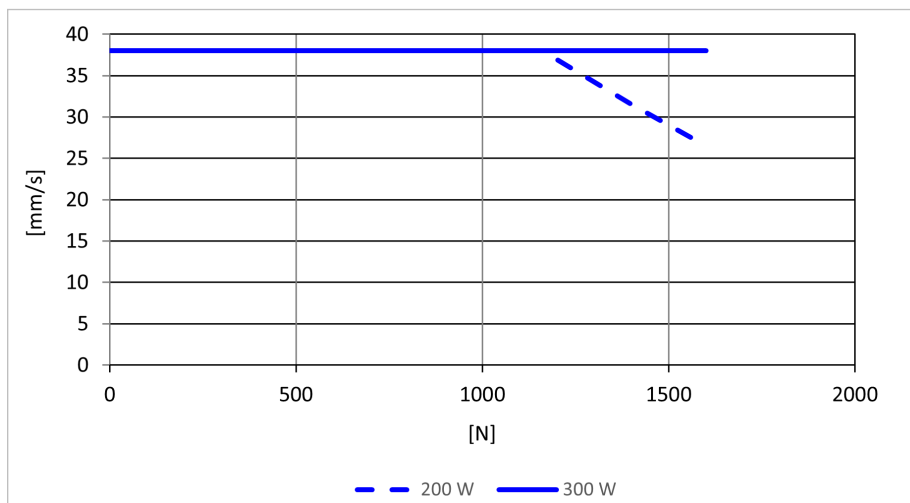


Figure 1 Two columns (equally loaded) - 200 W / 300 W

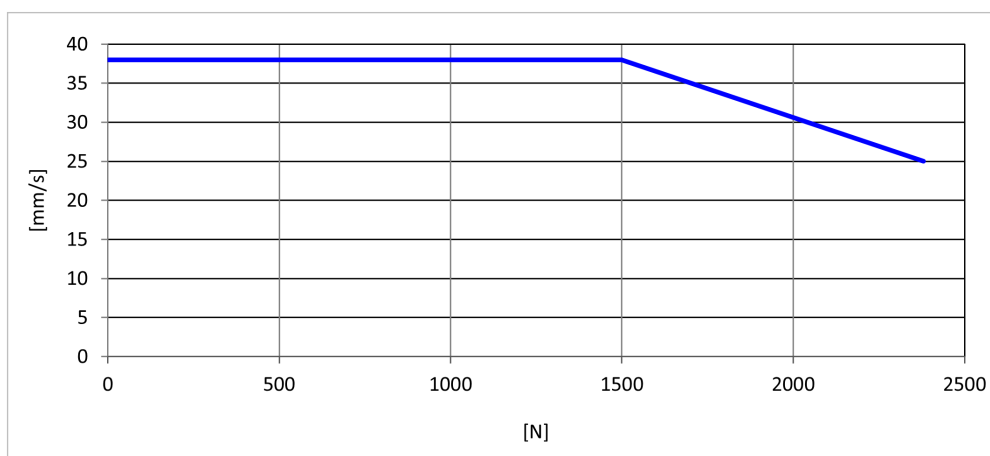


Figure 2 Three columns (equally loaded) with CBD6S - 300 W

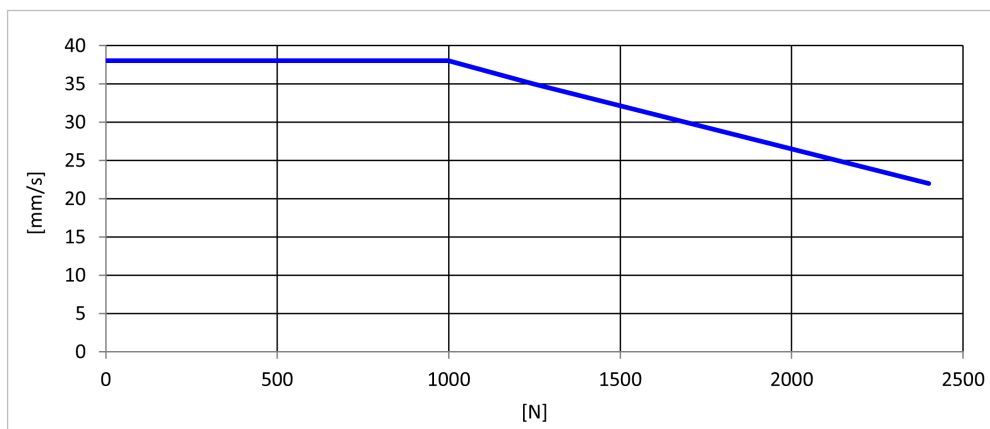


Figure 3 Four columns (equally loaded) with CBD6S - 300 W

High-speed columns with CBD6S

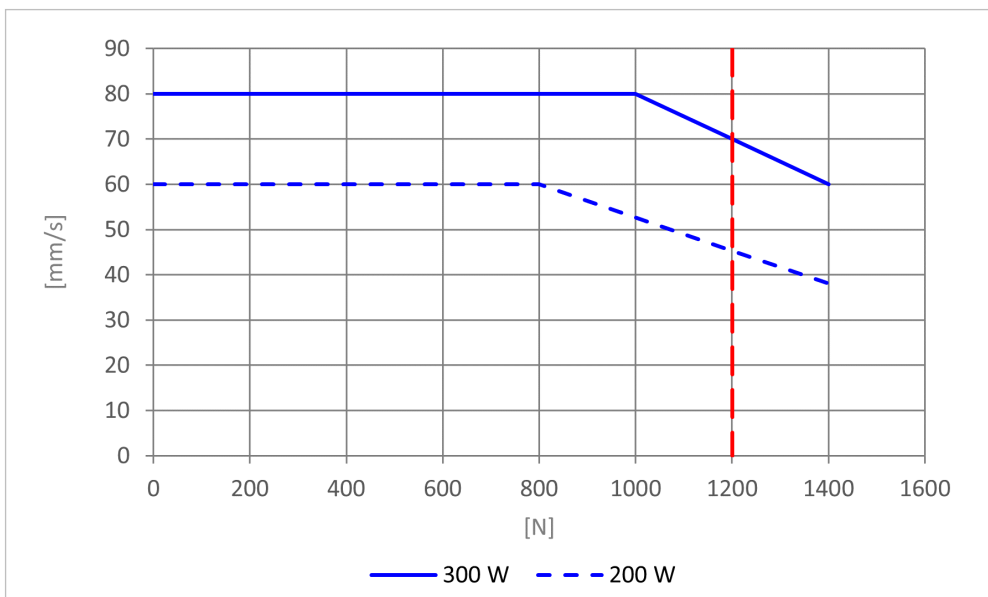


Figure 4 Two High-speed columns (equally loaded) with CBD6S - 200 W / 300 W

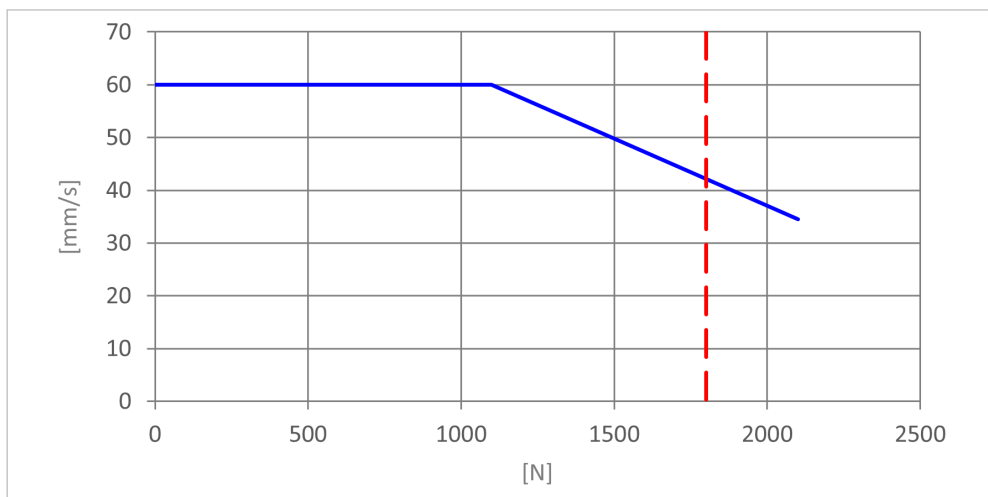


Figure 5 Three High-speed columns (equally loaded) with CBD6S - 300 W

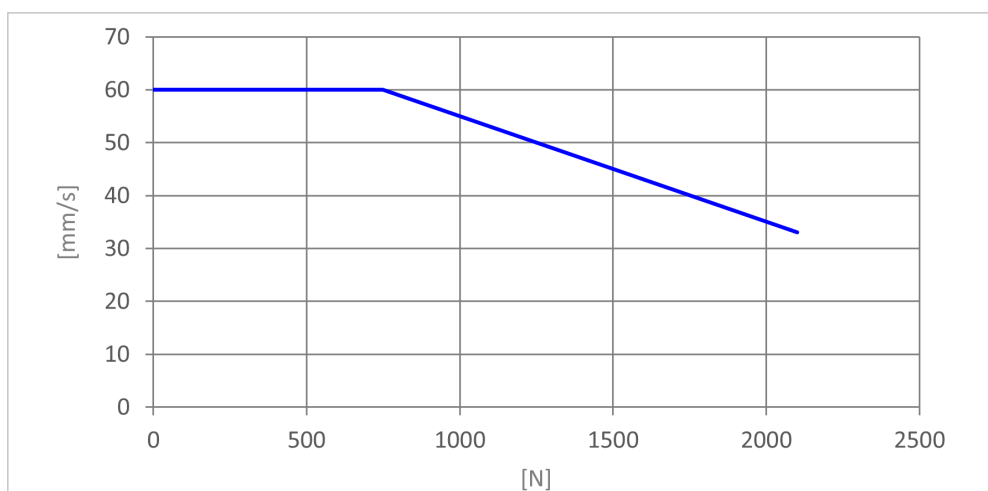


Figure 6 Four High-speed columns (equally loaded) with CBD6S - 300 W



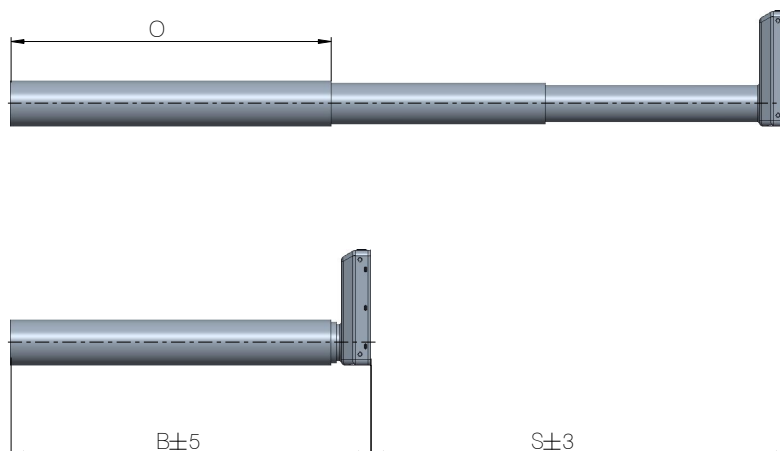
The vertical dotted line indicates the maximum load for High-speed XL columns.

Dimension drawings



All dimensions are in mm

Columns



Drawing no. 0699101

Version	Combination code	B (Built-in length)	S (Stroke length)	O (Outer profile length)
Standard columns				
Standard	DL11xxxx0635575	575	635	498
PIEZO	DL11xxxxE650560	560	650	498
BIFMA	DL11xxxxx665518	518	665	456
XL	DL11xxxxx965740	740	965	663
PLUS columns				
Standard	DL11xxxxPx650560	560	650	498
BIFMA	DL11xxxxPx665518	518	665	456
High-speed XL	DL113xxxPx1100785	785	1100	723

Figure 7 Built-in length, stroke length, and outer profile length

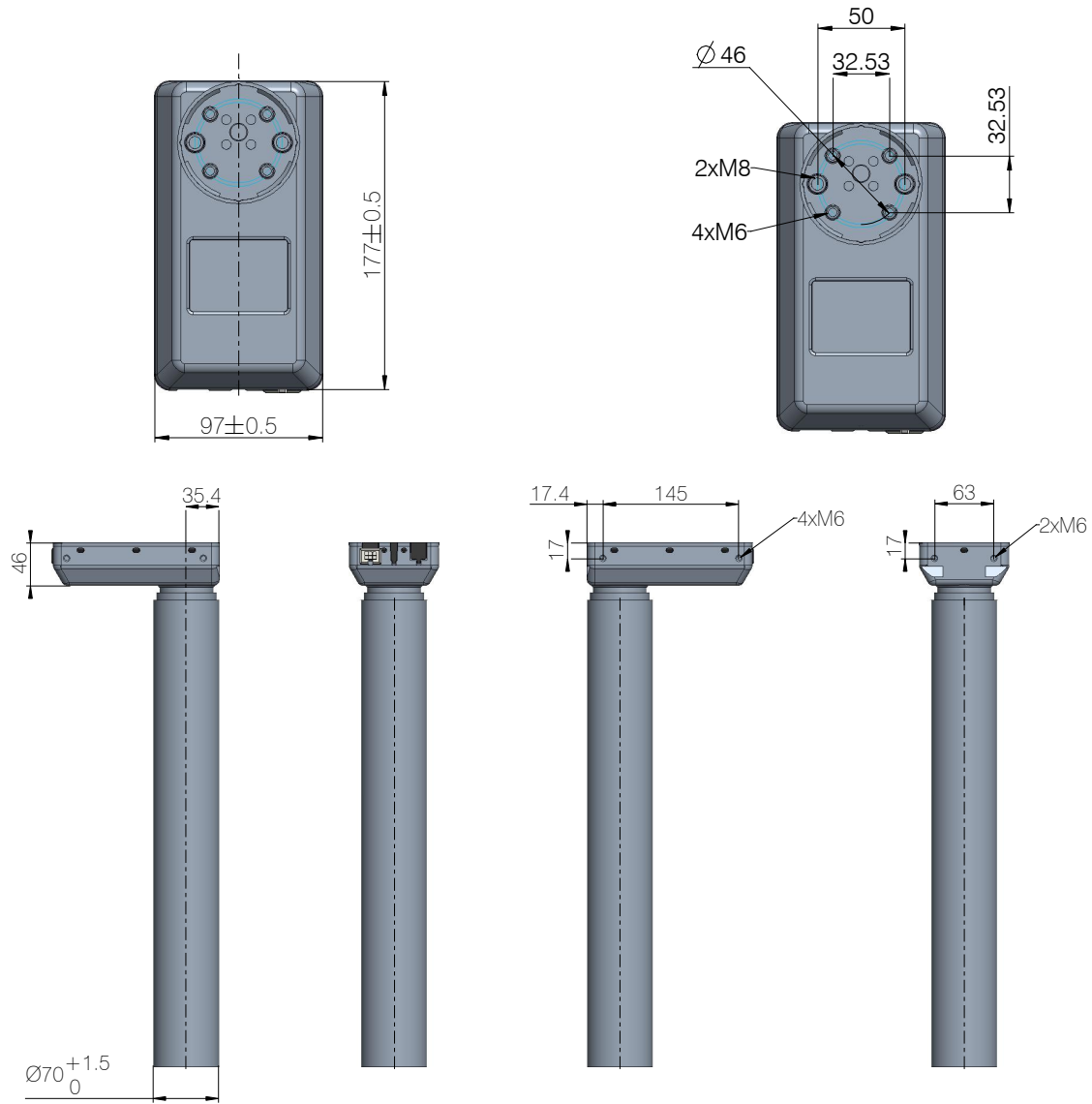
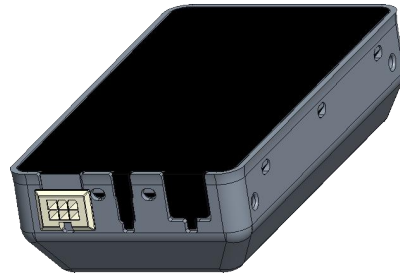


Figure 8 Motor-housing, bottom plate, and profile

Drawing no. 0699101

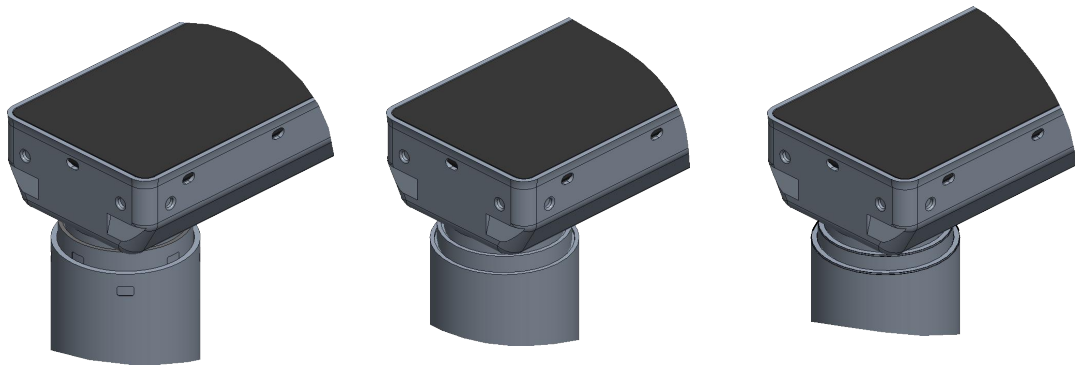


Standard

Drawing no. 0699101

Combination code	Type
DL11xxxxxxxxxxx	Standard

Figure 9 Socket combination



Standard

PLUS™ without trim rings

PLUS™ with trim rings

Drawing no. 0699101

Figure 10 Profile designs

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