



DESKLIFT™ DL16
Data sheet

DESKLIFT™ DL16

The DESKLIFT DL16 is a compact 3-part lifting column perfect for a wide range of different desk applications like office desks or conference desks. The 3-part construction ensures a short installation dimension combined with a long stroke length, making the DL16 an optimum choice no matter what the height of the person using the desk is. It is an upside down column, where the smallest profile is mounted on the foot construction. The DL16 is intended for desks without crossbar. This feature ensures an optimum freedom of design.

The DL16 is available in several standard colours to fit into a wide selection of desk designs. Optional PIEZO™ (collision protection) can be chosen. PIEZO minimises the risk for material damages on a desk caused by collision with an obstacle.

The DL16 is compatible with the standard DESKLINE control box (CBD). No matter which box is preferred, they all ensure a very low and pleasant noise level and a wide range of options. The DL16 is also available in an extended version called XL that is optimised for adjustment of display and monitor stands.



Features:

- Compact design where guide and actuator functions are an integrated unit
- Reinforced column and optimised motor housing design for extra strength and stability
- Plug mounted on the DL16 for connection to the CBD with a separate DESKLINE® motor cable
- Max. thrust 800 N per column (600 N for XL version)
- Max. speed: 38 mm/s unloaded
- Standard installation dimension: 560 mm
- Standard stroke length: 650 mm
- Weight: 7.6 kg pr. column (DL16000B0E650560)
- Dimensions column: 50 x 80 mm (outer profile), 43.5 x 73.5 mm (middle profile) and 37 x 67 mm (inner profile)
- Dimension motor housing: 177 x 97 x 46 mm (as DL15)
- Bending moment: $M_y = \max. 150 \text{ Nm dynamic}$ (100 Nm for XL)
- Colour: All parts black (RAL 9005), all parts silver grey (RAL 9006) or all parts white (RAL9016)
- Low noise level

Options:

- Customised colours
- PIEZO™ for integrated sensor minimising the risk for damages on a desk caused by squeezing or blocking it in upward or downward direction
- Extended version XL dedicated for flat screens
 - Installation dimension: 730 mm
 - Stroke length: 980 mm
 - Load: max 600 N
 - Bending moment: max 100 Nm
 - Colour: Black RAL 9005, Grey RAL 9006 and White RAL 9016
 - Duty cycle: 5%
- Compatible with the Kick & Click mounting solution
- Available as DESKLIFT SetPack

Usage:

- Single or 2, 3, 4 parallel drive or even multi-parallel with up to 16 columns
- Duty cycle: 10 % ~ 6 min. per hour or 2 min. at continuous use at full load
- Ambient temperature: +10° to +40 °C
- Compatible with DESKLINE control boxes and all DESKLINE controls
- Approved according to EN 60335-1 and UL 962
- Storage and transport temperatur: -10°C to +70°C

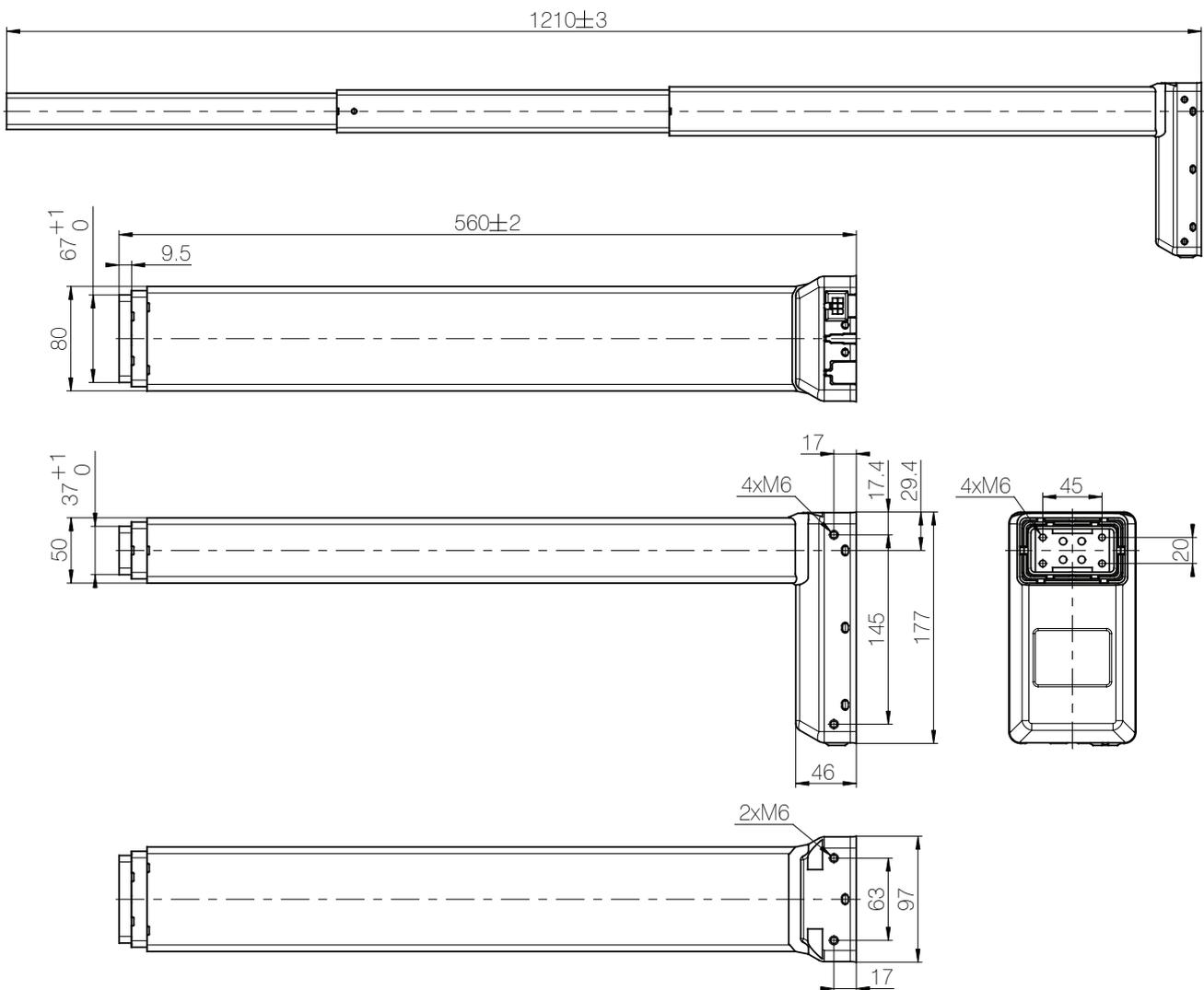
Technical specifications:

Type	Max. Thrust pr. DL (N)	Self-lock pr. DL (N)	Speed at 0 load (mm/s)	Duty cycle (%)	Spindle pitch (mm)	Stroke length (mm)	Built-in length (mm)
DL16	800	800	38	10	20	650	560
DL16XL	600	600	38	5	20	980	730

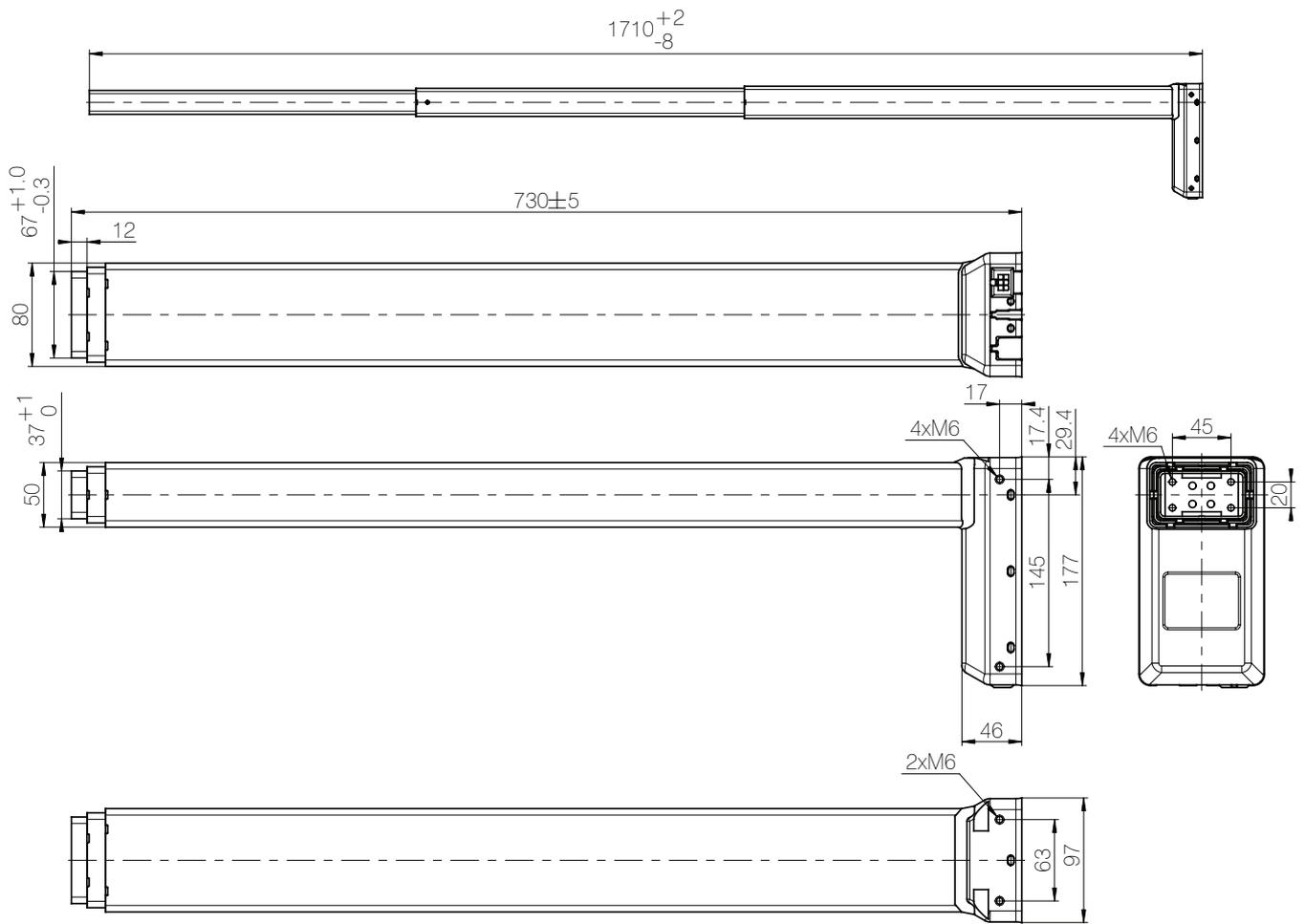
The measurements above are made in connection with the control box CBD4/CBD6S.

At a fully retracted length of $560\text{mm} \pm 2\text{mm}$ and a stroke length of $650\text{mm} \pm 1\text{mm}$, it is possible for a standard system to obtain an adjustment interval of the tabletop of e.g. 600 – 1250mm. Thus, the desk can be used for sitting as well as standing work.

Dimensions, standard DL16

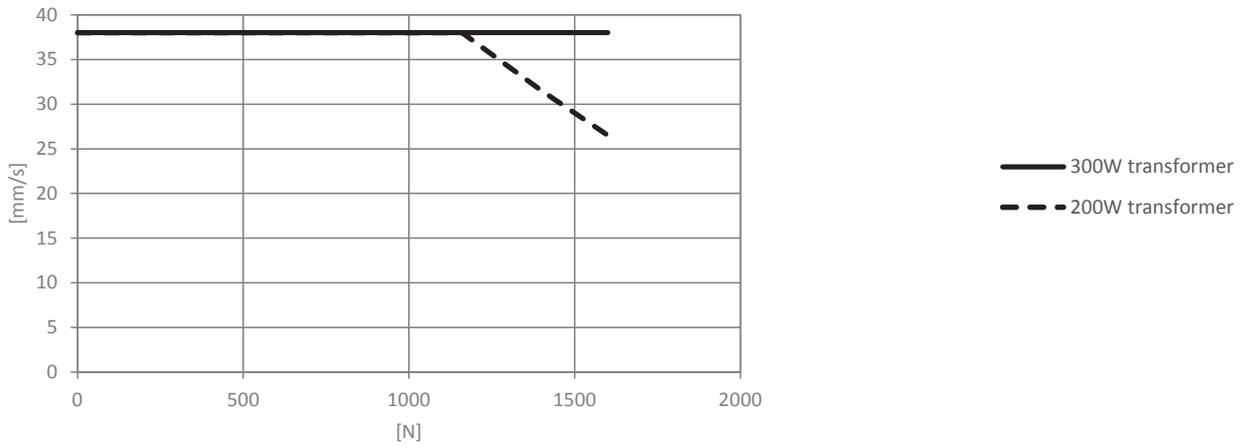


Dimensions, extended version DL16 XL

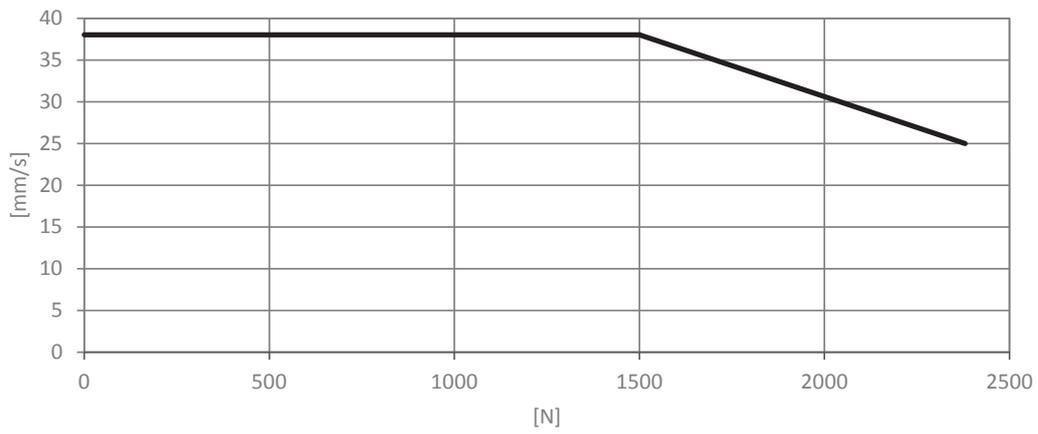


Curves for DL16 (20 mm spindle) with CBD65

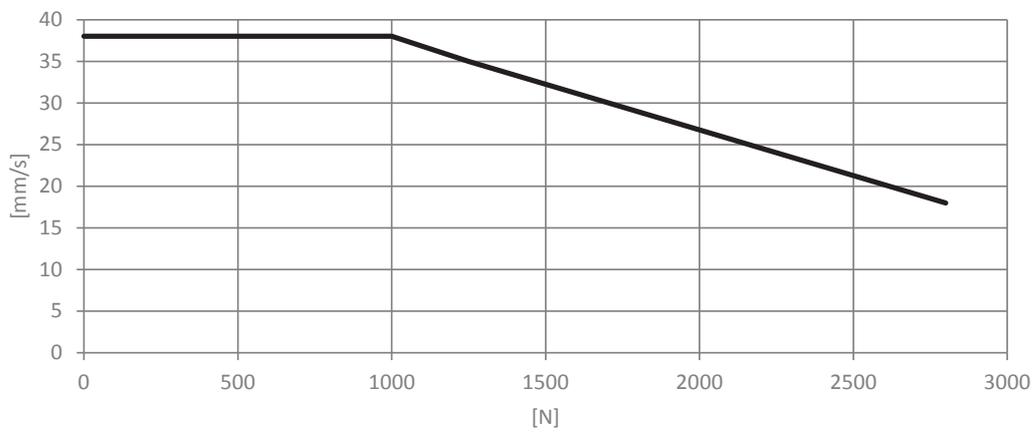
2 x DL6/9/11/16 (equally loaded) with CBD65



3 x DL6/9/11/16 (equally loaded) with CBD65

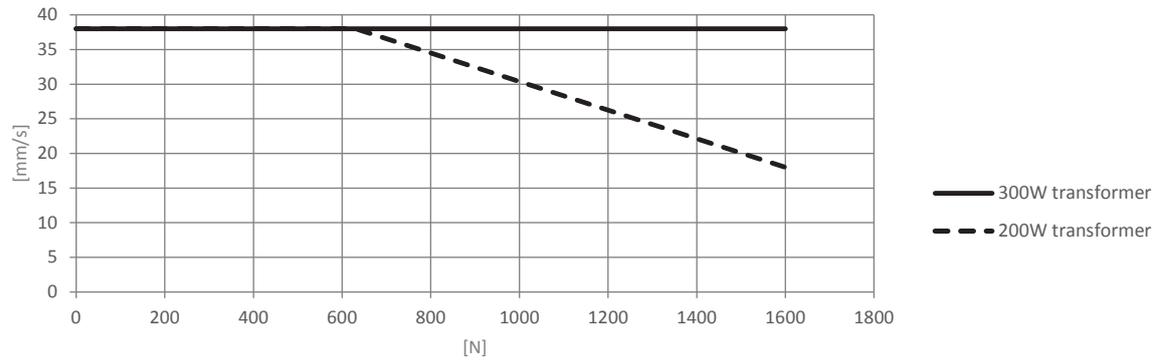


4 x DL6/9/11/16 (equally loaded) with CBD65

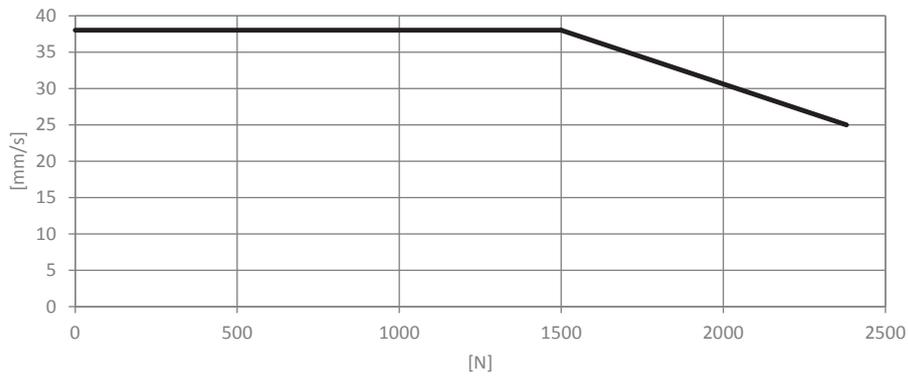


Curves for DL16 800N (20 mm spindle) with CBD4

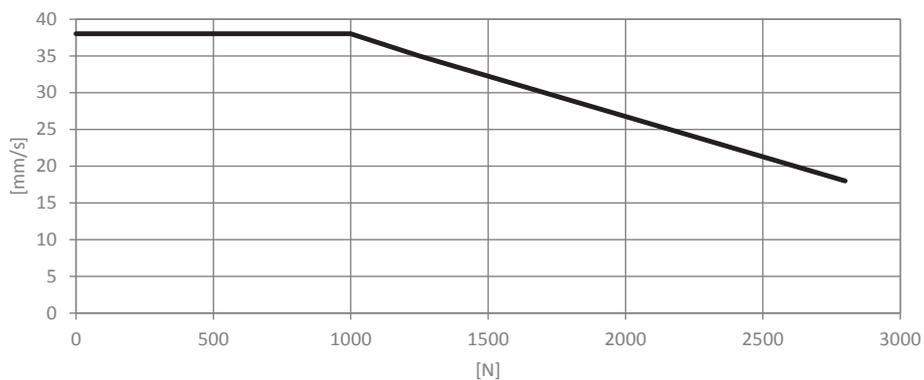
2 x DL6/9/11/16 (equally loaded) with CBD4



3 x DL6/9/11/16 (equally loaded) with CBD4 (300W)



4 x DL6/9/11/16 (equally loaded) with CBD4 (300W)



The above data are measured in connection with 2-4 DL16 lifting units and control box CBD4/CBD6S. The desk is driving upwards.



The curves above apply to a centrally placed load. At moment load there will be an increased friction in the columns, which will reduce the lifting force correspondingly.

DL16

Ordering example:

DL16	0	0	0	B	0	0	650	560	
									Installation dim. : 560 = 560 mm 730 = 730 mm (XL)
									Stroke length: 650 = 650 mm 980 = 980 mm (XL)
									Motor type: 0 = Standard E = PIEZO and IID
									Option: 0 = Standard
									Colour: A = Grey (RAL 9006) B = Black (RAL 9005) D = White (RAL 9016)
									Option: 0 = Standard
									Plug: 0 = 6-pole minifit plug
									Spindle type: 0 = 2 x 10 mm pitch
									Actuator type: DL16



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

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