



DESKLIFT™ DL6

Data sheet

DESKLIFT™ DL6

The DESKLIFT DL6 is a compact 3-part lifting column, which is a perfect choice for a wide range of different desk applications ranging from industry to office desks. The 3-part construction ensures a short installation dimension combined with a long stroke length making the DL6 an optimum choice no matter what the height of the person using the desk is. The middle profile of the DL6 moves synchronously, so the legs are always in the same height, thus optimising the desk design. The DL6 has a compact motor housing, which is almost invisible in the tabletop construction and the column is very sturdy so in many applications a crossbar is not necessary. The DL6 has the same outer dimensions and mounting holes as the 2-part DL5 column, which makes them compatible. Therefore, they can be used in the same tabletop and table foot construction. The DL6 is available in several standard colours to fit into a wide range of desk designs. Optional PIEZO™ (collision protection) can be chosen. PIEZO minimises the risk for damages on a desk caused by collision with an obstacle.

The DL6 system is controlled by a DESKLINE® control box (CBD). No matter which box is preferred, they all ensure optimal parallel drive and a pleasant low noise level. The DL6 can be used as a single column or in 2, 3 or 4 parallel systems.



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 DL6 for connection to the CBD with a separate DESKLINE® motor cable
- Max. thrust 1200 N per column
- Max. speed 38 mm/s unloaded
- Standard installation dimension 560 mm
- Standard stroke length 650 mm
- Weight: 7.8 kg pr. column (DL6000BNE650560)
- 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 DL5)
- Bending moment: $M_y = \max. 150 \text{ Nm}$ dynamic
- Colour: all parts black (RAL 9005), all parts silver grey (RAL 9006) or all parts white (RAL 9016)
- Low noise level
- Mounting bracket for a crossbar in a parallel system (40 x 120 mm)

Options:

- 1200 N load ensured by a 12 mm pitch
- PIEZO™: Integrated sensor minimising the risk for damages on a desk caused by squeezing or blocking it in upward or downward direction
- Compatible with the Kick & Click mounting solution
- Available as DESKLIFT Setpack

Usage:

- Single or 2, 3 or 4 parallel drive or even multi-parallel with up to 16 columns
- Duty cycle: 10 % ~ 2 minutes of continuous use at full load, followed by 18 minutes of pause
- 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 temperature: -10°C to +70°C

Technical specifications:

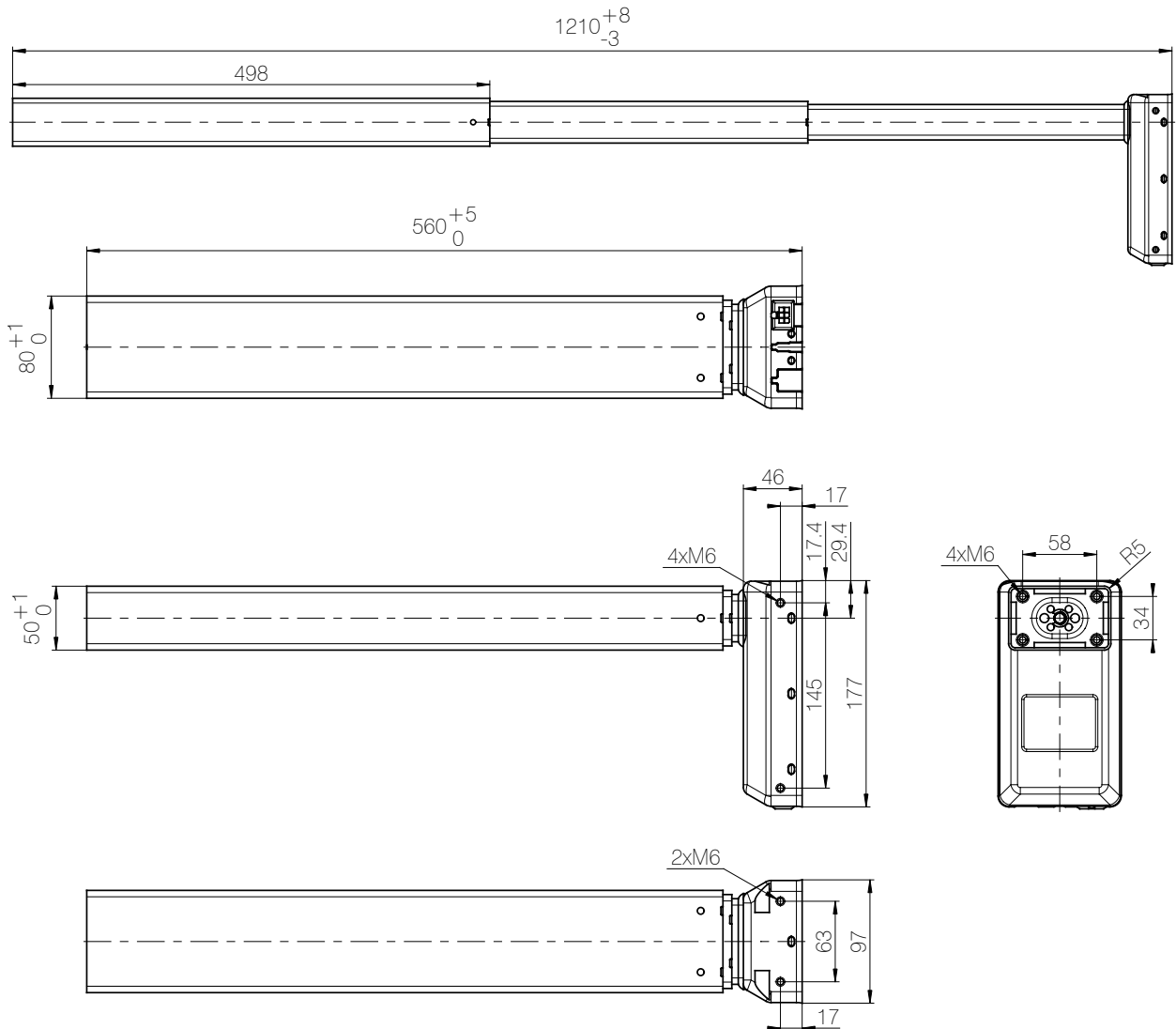
Type	Max. Thrust pr. DL (N)	Self-lock pr. DL (N)	Speed at 0 load (mm/s)	Duty cycle (%)	Spindle pitch (mm)	Stroke length (mm)	Built-in length (mm)
DL6	800	800	38	10	20	650	560
DL61	1200	1200	23	10	12	650	560

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

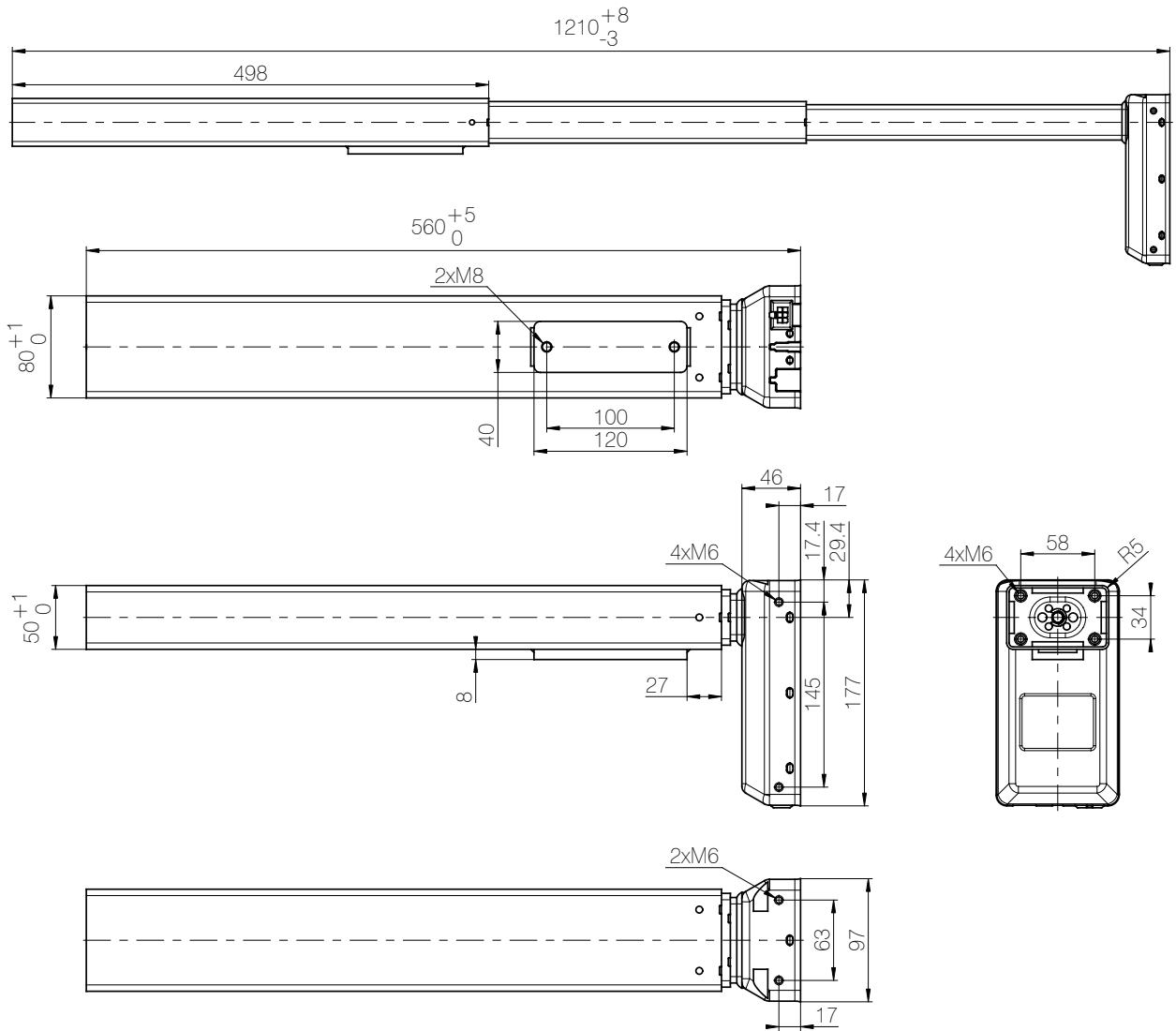
Dimensions:

At a fully retracted length of 560 mm $+5/-0$ mm and a stroke length of 650 mm ± 3 mm it is possible for a standard system to obtain an adjustment interval of the table top of e.g. 600 – 1250 mm. Thus the desk can be used for sitting as well as standing type of work.

Dimensions, standard DL6 without bracket

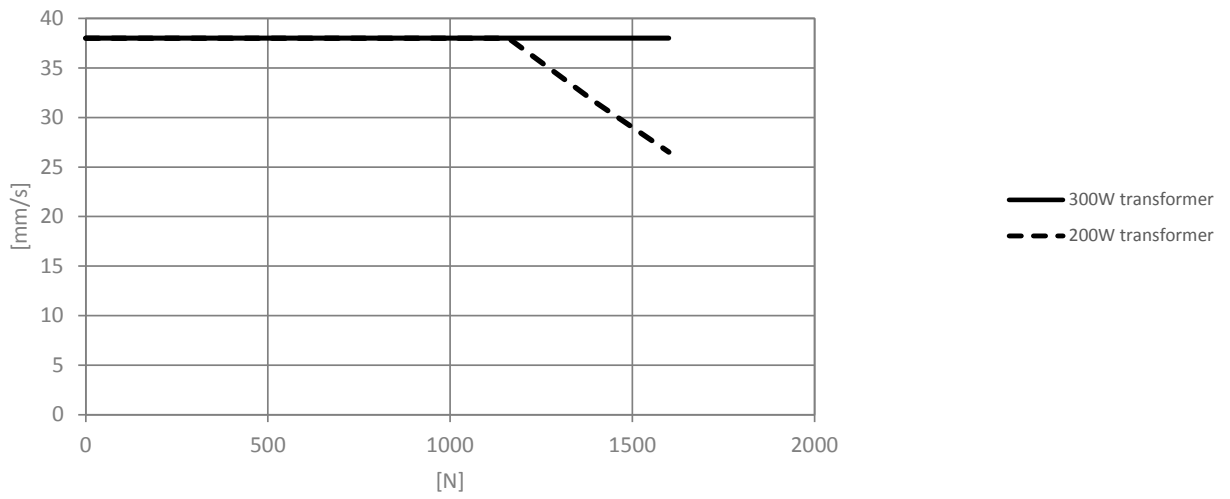


Dimensions, standard DL6 with bracket

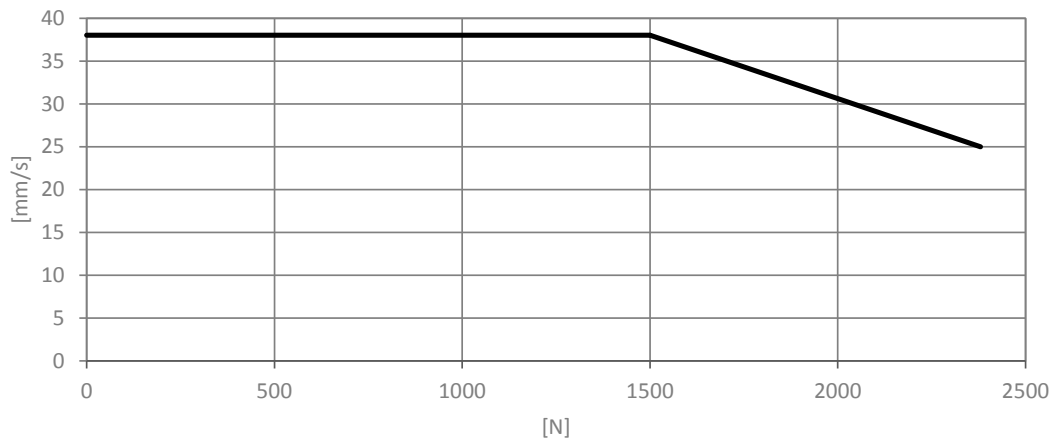


Curves DL6 800N (20 mm spindle) with CBD6S

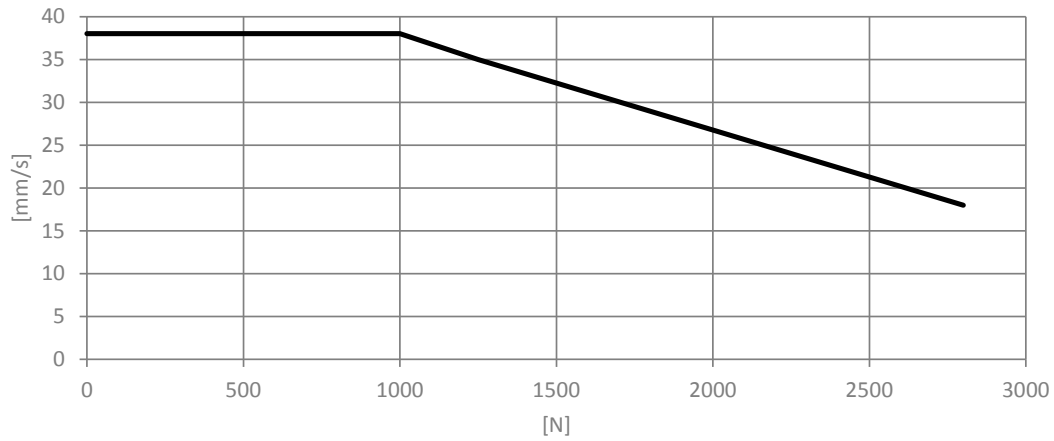
2 x DL6/9/11/16 (equally loaded) with CBD6S



3 x DL6/9/11/16 (equally loaded) with CBD6S (300W)

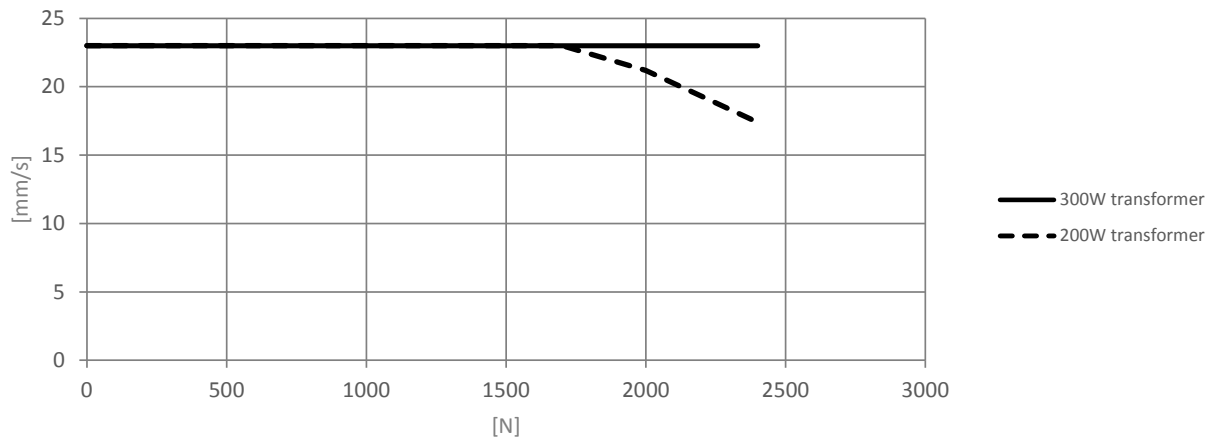


4 x DL6/9/11/16 (equally loaded) with CBD6S (300W)

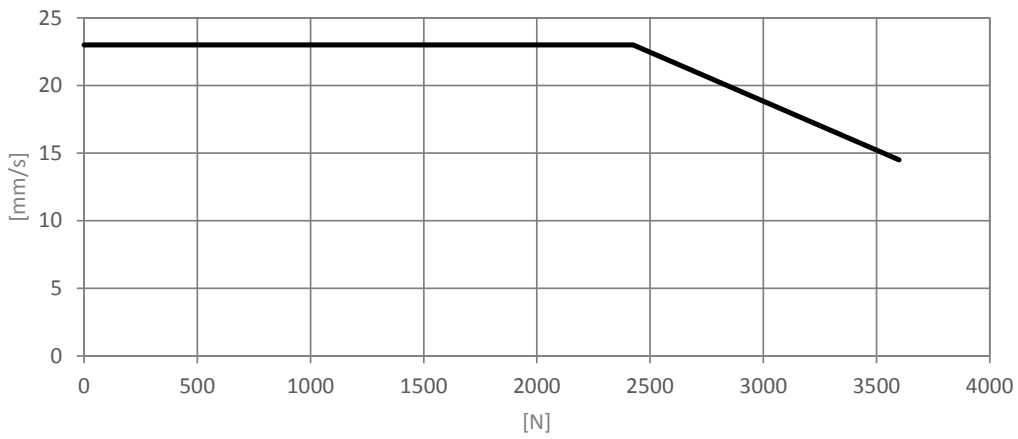


Curves DL6 1200N (12 mm spindle) with CBD6S

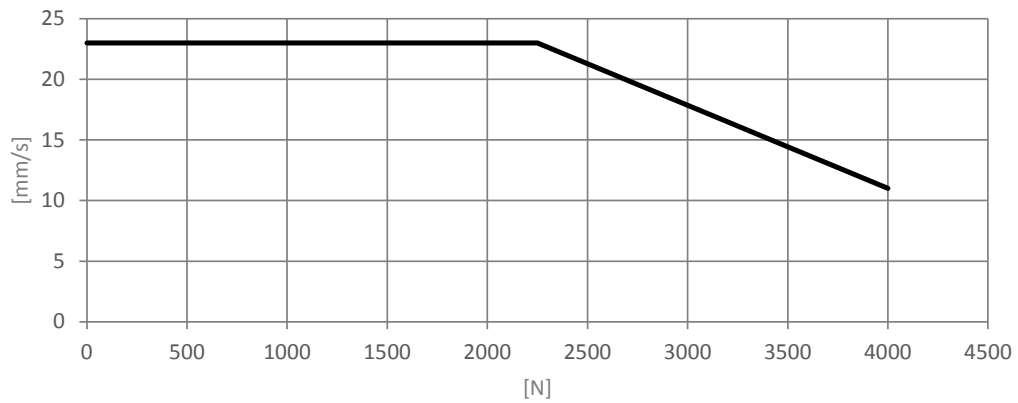
2 x DL6 1200N (equally loaded) with CBD6S



3 x DL6 1200N (equally loaded) with CBD6S (300W)

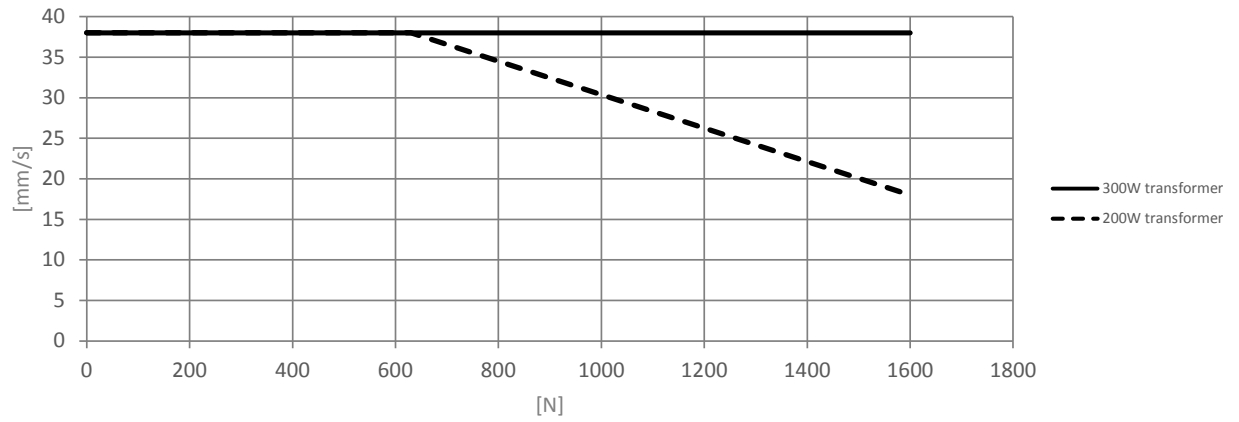


4 x DL6 1200N (equally loaded) with CBD6S (300W)

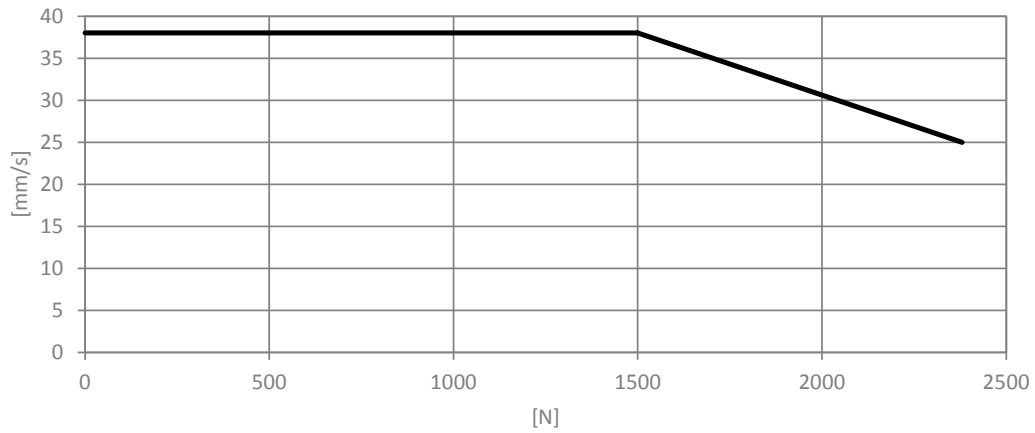


Curves DL6 800N (20 mm spindle) with CBD4

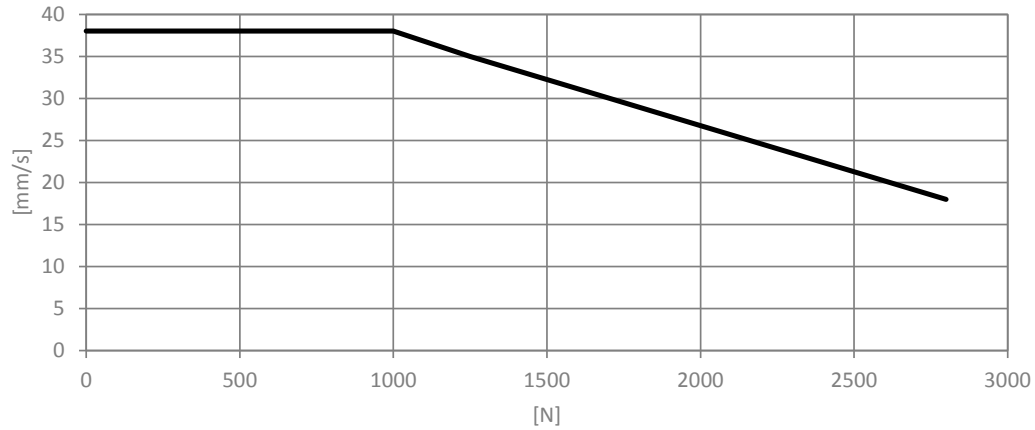
2 x DL6/9/11/16 (equally loaded) with CBD4



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

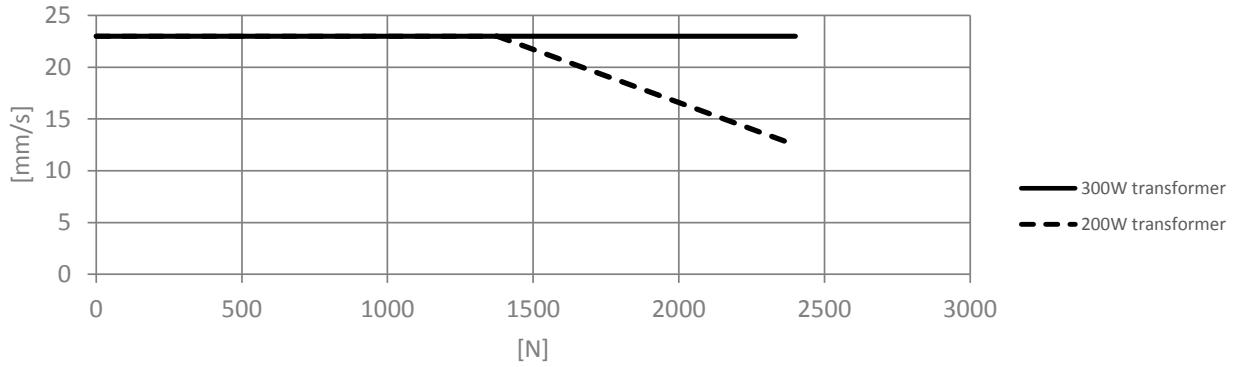


4 x DL6/9/11/16 (equally loaded) with CBD4 (300W)

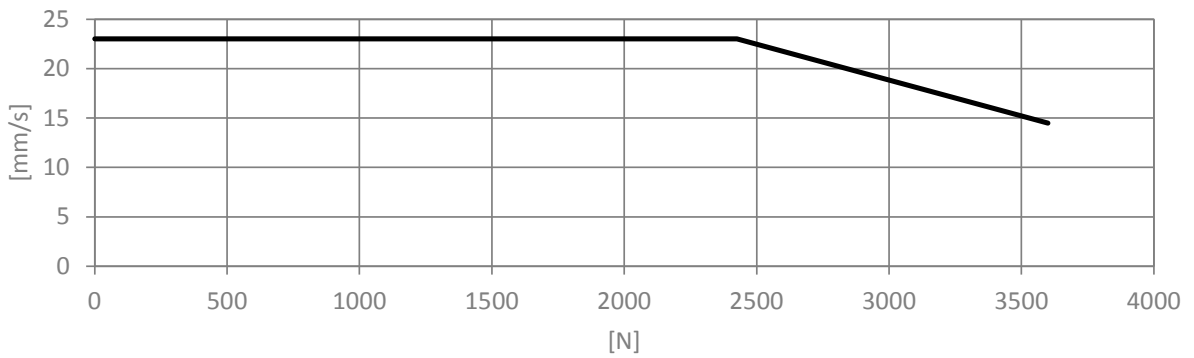


Curves DL6 1200N (12 mm spindle) with CBD4

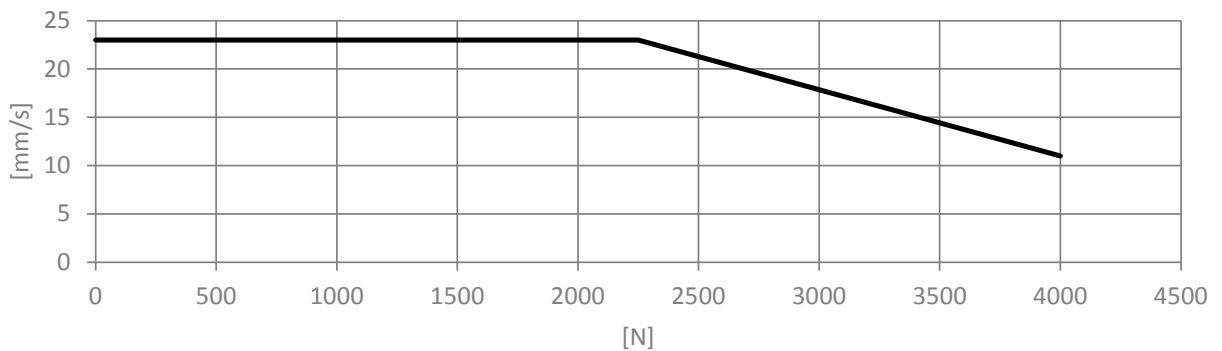
2 x DL6 1200 N (equally loaded) with CBD4



3 x DL6 1200 N (equally loaded) with CBD4 (300W)



4 x DL6 1200N (equally loaded) with CBD4 (300W)



The above data are measured in connection with 2-4 DL6 lifting units and control box CBD4/CBD6S. The desk is driving upwards.



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

DL6

Ordering example:

DL6	0	0	0	B	N	0	650	560	
									Installation dimension: 560 = 560 mm
									Stroke length: 650 = 650 mm
									Motor type: 0 = Standard E = PIEZO™ + IID
									Option: N = Standard
									Colour: A = Grey RAL 9006 B = Black RAL 9005 D = White RAL 9016
									Mounting bracket: 0 = Standard 1 = 120 x 40 x 8 mm (with 2 x M8)*
									Plug: 0 = 6-pole minifit plug
									Spindle type: 0 = 2 x 10 mm pitch (Standard) 1 = 2 x 6 mm pitch (1200 N)
									Actuator type: DL6

* Never in combination with motor type "E"



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 as ordering number, colour and length of the cables, please contact your local LINAK.

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