



DL9
Data sheet

DL9

The DESKLINE column DL9 is a round 3-part column perfect for a wide range of office desks. The upside down construction gives a very compact and clean design, which also appears from the fact that the system is without a crossbar. The 3-part construction ensures a short installation dimension combined with a long stroke length making the DL9 an optimum choice no matter what the height of the person using the desk is. The DL9 has a compact motor housing, which is almost invisible in the tabletop construction.

The DL9 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 DL9 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 DL9 is now also available in an extra long version called XL optimised for flat screens.



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 DL9 for connection to the CBD with a separate DESKLINE® motor cable
- Max. thrust: 800 N per column (600N for XL versions)
- Max. speed: 38 mm/s unloaded
- Standard installation dimension 560 mm
- Standard stroke length 650 mm
- Dimensions column: 70 mm (outer profile), 63.5 mm (middle profile), and 57 mm (inner profile)
- Dimension motor housing: 177 x 97 x 46 mm
- Bending moment: $M_y = \max. 150 \text{ Nm dynamic}$ (100 Nm for XL version)
- Colour: all parts black (RAL 9005), all parts grey (RAL 9006) or all parts white (RAL 9016)
- Low noise level
- Synchronous drive of the middle profile
- Hall sensor enabling parallel drive with the CBD
- The DL9 profile is secured against rotation/twisting

Option:

- Customised colours
- PIEZO™: 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

Usage:

- Single or 2, 3, or 4 parallel drive
- Duty cycle: 10% ~ 6 minutes per hour OR 2 minutes of 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 temperature: -20°C to +70°C

Technical specifications :

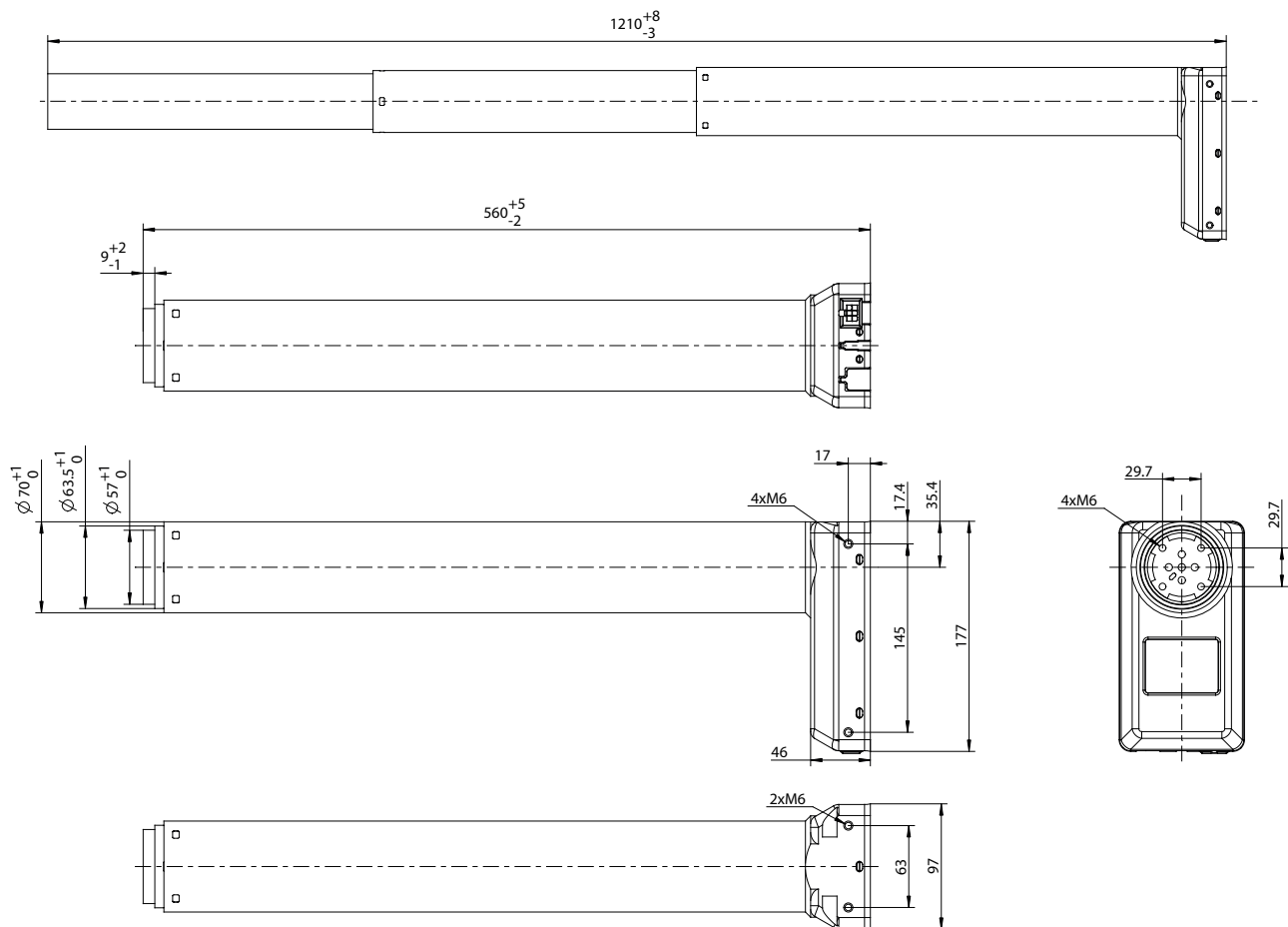
Type	Max. Thrust pr. DL (N)	Self-lock pr. DL (N)	Max. Twisting moment* (Nm)	Speed 0 load (mm/s)	Duty cycle (%)	Spindle pitch (mm)	Stroke length (mm)	Built-in length (mm)
DL9	800	800	200	38	10	20	650	560
DL9XL	600	600	200	38	5	20	980	730

* The twisting/rotation moment indicates the maximum moment that the column can adapt in the rotation direction

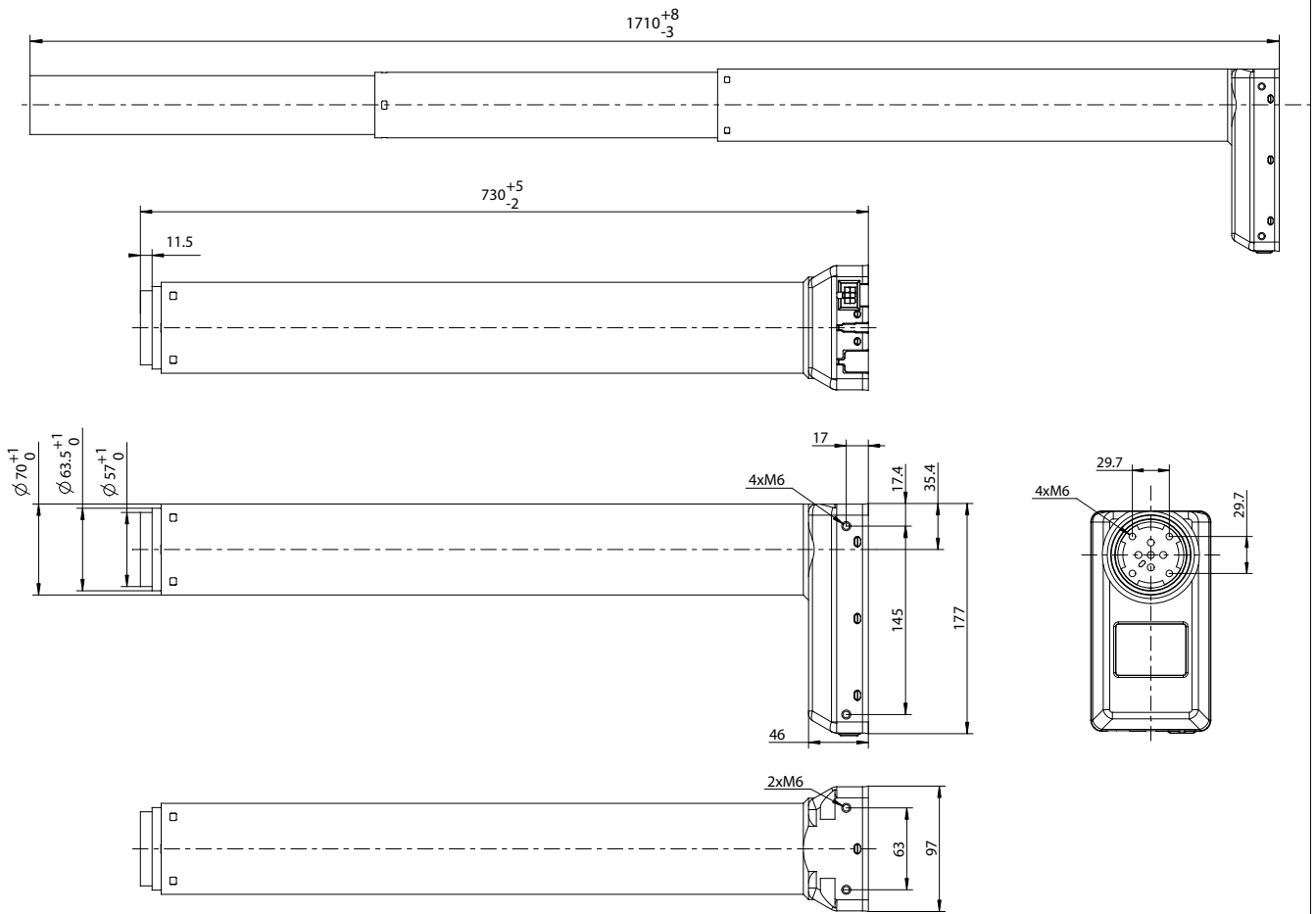
At a fully retracted length of 560 mm $\pm 5/-2$ mm and a stroke length of 650 mm ± 3 mm it is possible for a standard system to obtain an adjustment interval of the desktop of e.g. 600 – 1250 mm. Thus, the desk can be used for sitting as well as standing type of work.

Dimensions:

Standard DL9

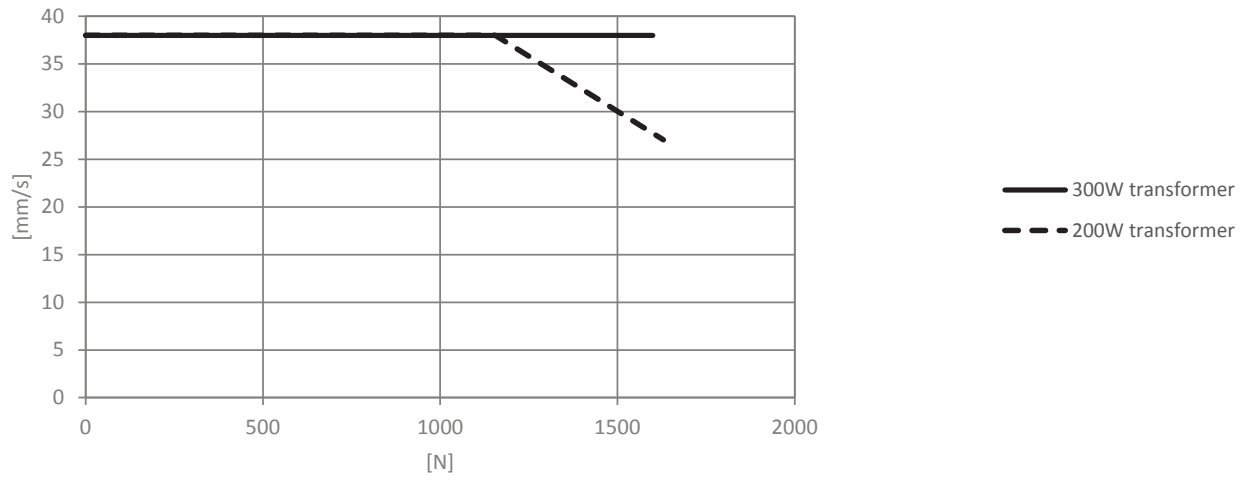


Extended version DL9XL

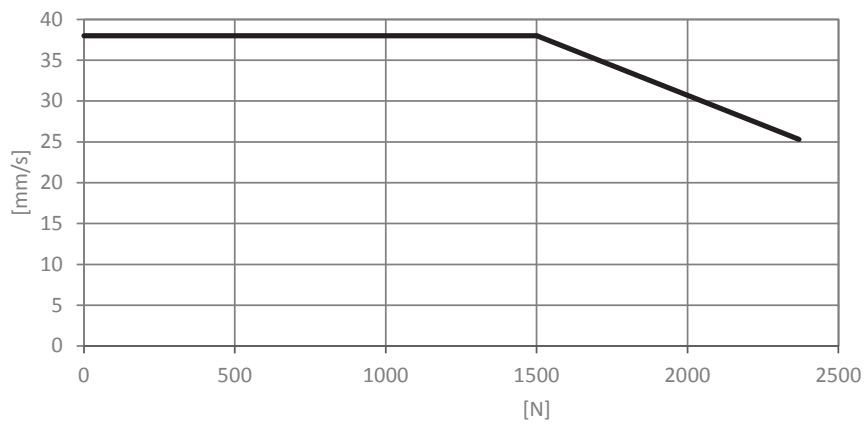


Curves DL9 (20 mm spindle) with CBD6S

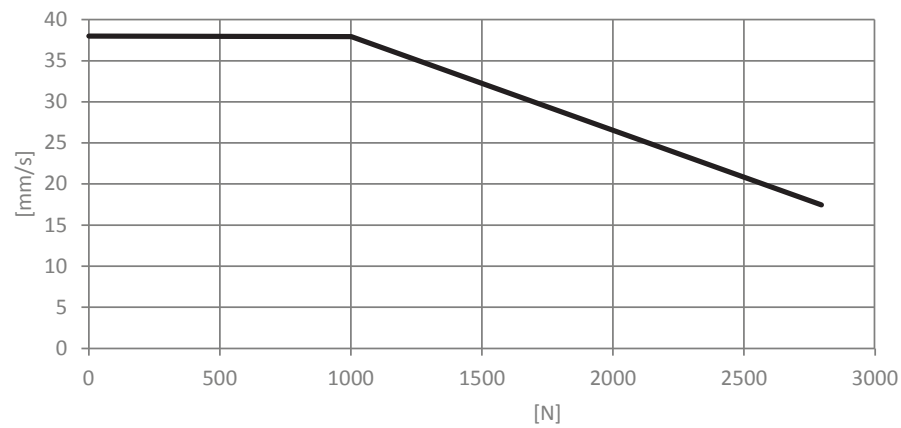
2 x DL6/9/11/16 (equally loaded) with CBD6S



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

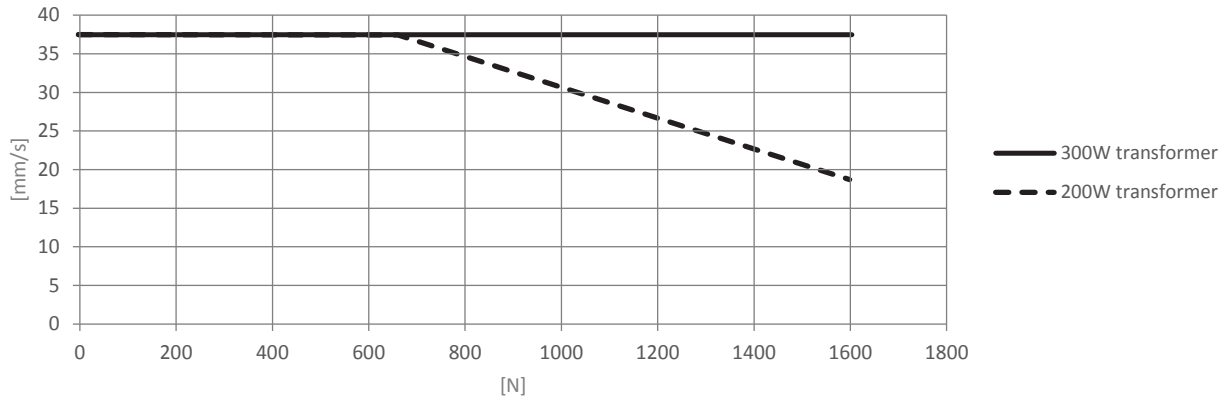


4 x DL6/9/11/16 (equally loaded) with CBD6S (300W)

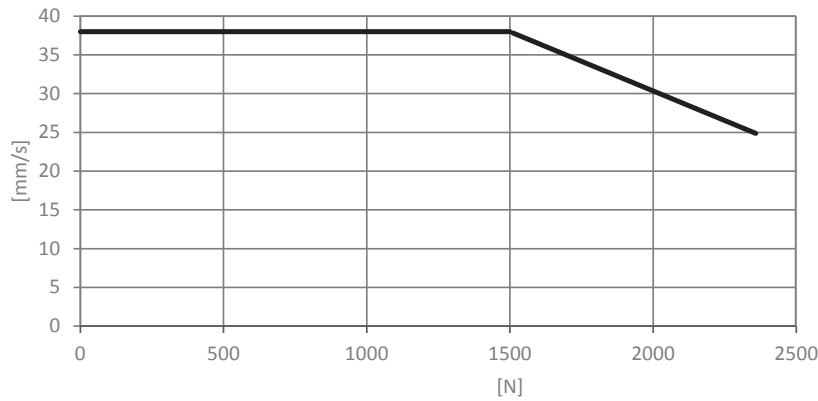


Curves for DL9 (20 mm spindle) with CBD4

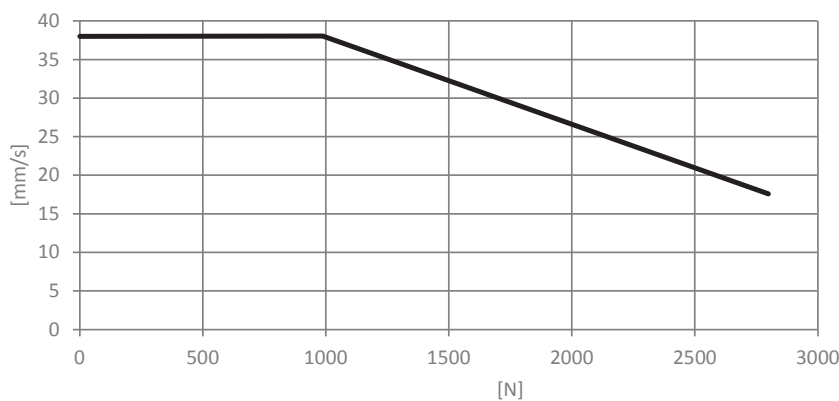
2 x DL6/9/11/16 (equally loaded) with CBD4



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 DL9 lifting units and control box CBD4/6S. 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. Max load of the DL9 is 800N and DL9XL is 600N.

Ordering example:

DL9 0 0 0 B N 0 650 560

Installation dim.:	560 = 560 mm (Standard) 730 = 730 mm (XL)
Stroke length:	650 = 650 mm 980 = 980 mm (XL)
Motor type:	0 = Standard E = PIEZO and IID
Standard:	0 = Standard
Colour:	A = Grey (RAL 9006) B = Black (RAL 9005) D = White (RAL 9016)
Standard:	0 = None
Plug:	0 = 6-pole minifit plug
Spindle type:	0 = 2 x 10 mm pitch
Actuator type:	DL9



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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