DESKLIFT™ DL19
Data sheet
The DESKLIFT™ DL19 is a 3-part lifting column with square profiles and motor housing. The column has invisible gliding pads for improved design. It 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 DL19 an optimum choice no matter what the height of the person using the desk is. The middle profile of the DL19 moves synchronously so the profiles are always in the same height optimising the desk design and the stability. The DL19 has a compact motor housing, which is almost invisible in the tabletop construction, and the column is very sturdy. The DL19 is available in several standard colours to fit into a wide range of desk designs.

The wide DL19 product programme offers various options such as:

- DL19 PLUS™ - a design-optimised version
- PIEZO™ (collision protection) minimising the risk of damage to a desk caused by collision with an obstacle
- versions for bench solutions

The DL19 system is controlled by a DESKLINE® control box (CBD). The control box, ensures optimal parallel drive and a pleasantly low noise level. The DL19 can be used as a single column or in 2, 3 or 4 parallel systems, or up to 16 columns in multi-parallel systems.

**Features:**
- 3-part motor housing column
- Square profiles, outer profile 70 x 70 mm
- Invisible gliding pads for an improved design
- Plug mounted on the DL19 for connection to the CBD with a DESKLINE® motor cable
- Max. load: 800 N per column (Standard)
- Max. speed 38 mm/s unloaded
- Standard installation dimension 560 mm
- Standard stroke length 650 mm
- Weight: 8.5 kg pr. column
- Dimension motor housing: 177 x 97 x 46 mm
- Bending moment: My = max. 150 Nm dynamic
- Colour: Available in black (RAL 9005), silver grey (RAL 9006) or white (RAL9016)
- Low noise level

**Options:**
- PIEZO™: Integrated sensor minimising the risk for damage to a desk caused by squeezing or blocking it in upward or downward direction
- PLUS™: A smooth outer profile with no punch marks
- Max. load 1200 N per column (12 mm spindle pitch)
- Available with bench bracket
- 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 continuous use at full load, followed by 18 minutes pause
- 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
- Compatible with DESKLIFT™ Feet
- Complies with EN 60335-1 and UL 962

At a fully retracted length of 560 mm and a stroke length of 650 mm, it is possible for a standard system to obtain an adjustment interval of the tabletop of e.g. 600 – 1250 mm. Thus, the desk can be used for sitting as well as for standing types of work.
DL19
Ordering example:

<table>
<thead>
<tr>
<th>DL19</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>B</th>
<th>0</th>
<th>0</th>
<th>650</th>
<th>560</th>
</tr>
</thead>
</table>

- Installation dimension: 560 = 560 mm
- Stroke length: 650 = 650 mm
- Motor type:
  - 0 = Standard
  - E = PIEZO + IID
- Option:
  - 0 = Standard
  - P = PLUS series
- Colour:
  - A = Grey (RAL 9006)
  - B = Black (RAL 9005)
  - D = White (RAL 9016)
- Mounting bracket:
  - 0 = None
  - L = Bench bracket on left side
  - R = Bench bracket on right side
- Option:
  - 0 = Standard
- Spindle type:
  - 0 = 20 mm pitch (Standard)
  - 1 = 12 mm pitch (1200 N)
- Actuator type: DL19

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

If you want to operate a DL19 1200 N without PIEZO with a desk panel with display, you must configure the actuator type in the control box to ensure the correct read-out.

If you want to operate a DL19 1200 N with PIEZO, do not configure the actuator type. This column has IID and will automatically be detected as the right type of column.
Dimensional drawings

All measurements are without powder coating.

<table>
<thead>
<tr>
<th>Version</th>
<th>Combination code</th>
<th>B (Built-in length) [mm]</th>
<th>S (Stroke length) [mm]</th>
<th>O (Outer profile length) [mm]</th>
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</thead>
<tbody>
<tr>
<td>EU</td>
<td>DL19xxxxx650560</td>
<td>560</td>
<td>650</td>
<td>498</td>
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</tbody>
</table>

DL19 built-in length, stroke length, and outer profile length (mm)

Motor housing

Bottom plate

DL19 motor housing and profile dimensions (mm)
## Bracket Options (Dimensions in mm)

<table>
<thead>
<tr>
<th>Combination code</th>
<th>Std bracket</th>
<th>Bench left</th>
<th>Bench right</th>
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<td>DL19xxRxxxxxxxxx</td>
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### Standard Combination Code

<table>
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<th>Combination code</th>
<th>Type</th>
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<tbody>
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<td>Standard</td>
</tr>
<tr>
<td>DL1xxxxxExxxxxx</td>
<td>Standard</td>
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</tbody>
</table>

### Socket Combination

- **Standard**
- **PLUS™**

### Profile Designs
Performance curves
DL19 800 N (20 mm spindle) with CBD6S

Two DL6/9/11/16/19 (equally loaded) with CBD6S

Three DL6/9/11/16/19 (equally loaded) with CBD6S

Four DL6/9/11/16/19 (equally loaded) with CBD6S
DL19 1200 N (12 mm spindle) with CBD6S

Two DL6/19 (equally loaded) with CBD6S

Three DL6/19 (equally loaded) with CBD6S

Four DL6/19 (equally loaded) with CBD6S

The data above are measured in connection with 2 to 4 DL19 lifting columns and control box 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.
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For mounting instructions and guidance in usage, please see the relevant user manual.