



# Desklift DL16IC Data sheet

# DL16IC

---

The DESKLIFT™ DL16IC (Integrated Controller) is a compact 3-part lifting column, based on our well-known DL16 column. The DL16IC is a perfect choice for economy office desks using only 2 columns, but needing the maximum adjustment range.

The DL16IC system is a set consisting of a master column where the control PCB is built in and a slave column that is connected to the master column via a motor cable. The mains supply is an external SMPS (Switch Mode Power Supply) unit. A variety of Desk Panels can be used for adjusting the desk.



---

## Features:

- Compact design where guide and actuator function are an integrated unit
- Reinforced column and optimised motor housing design for extra strength and stability
- Max. thrust 500N per column
- Max. speed: 38 mm/s
- Standard installation dimension: 560 mm
- Standard stroke length: 650 mm
- 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
- Low noise level
- Bending moment:  $M_y = \text{max. } 150 \text{ Nm dynamic}$
- Colour: Available in black (RAL 9005), silver grey (RAL 9006) or white (RAL 9016)

## Options:

- Compatible with the Kick & Click™ mounting solution

## Usage:

- 2 parallel drive with one DL16IC master and 1 DL16IC slave and external SMPS001 (230V), SMPS002 (120V) or SMPS006 (Universal)
- Duty cycle: 10% ~ 6 min. per hour or 2 min. continuous use at full load
- Ambient temperature: +10° to +40° C
- Compatible with DESKLINE® controls
- Approved according to EN 60335-1 and UL 962
- Storage and transport temperature: -10° C to +70° C

## Technical specifications

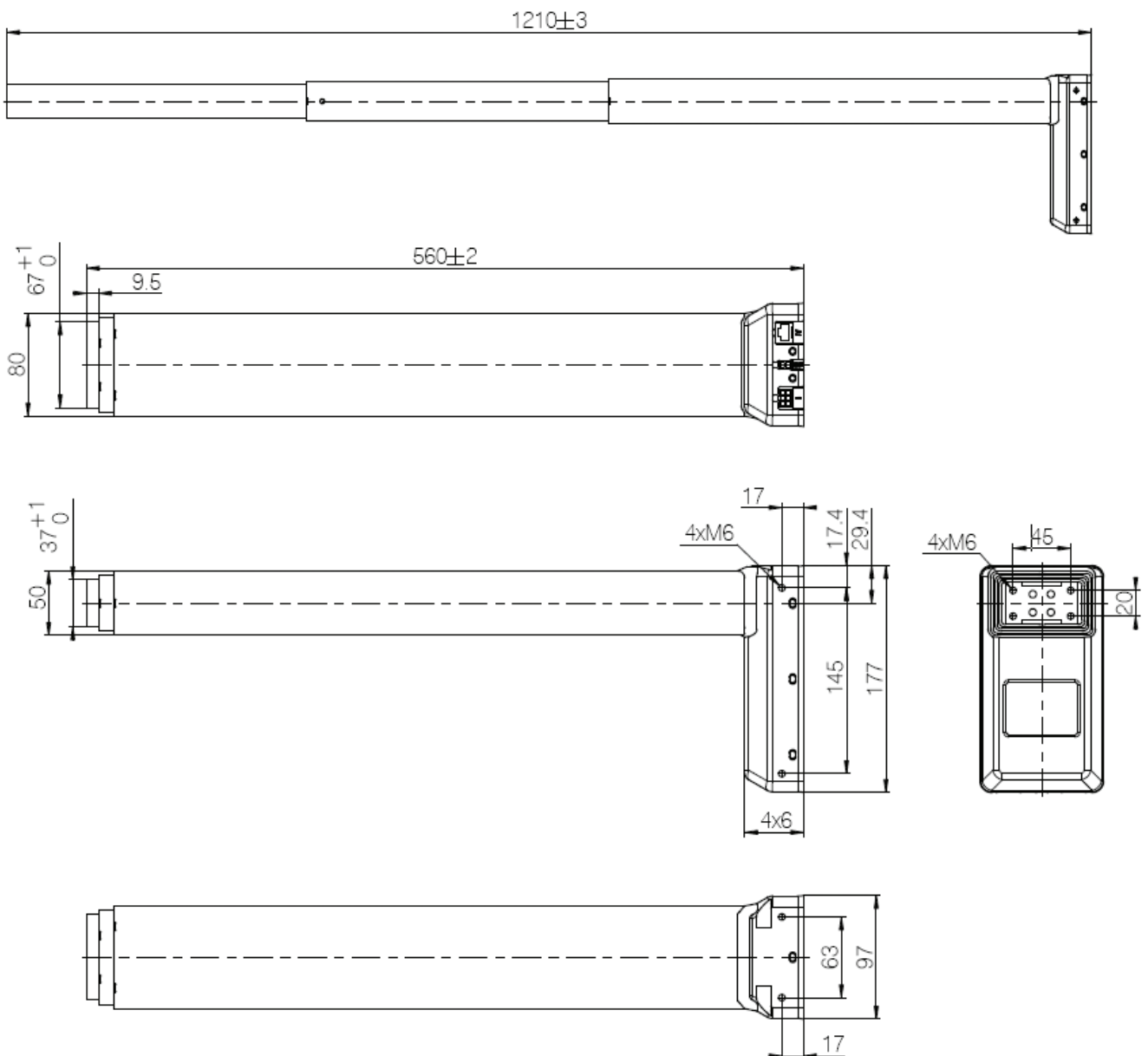
Type/ Application	Max. Thrust pr. DL (N)	Self locking pr. DL (N)	Speed at 0 load [mm/s]	Duty cycle [%]	Spindle pitch [mm]	Stroke length [mm]	Built-in length [mm]
DL16IC	500	500	38	10	20	650	560

The above measurements are made in connection with the SMP5001/002.

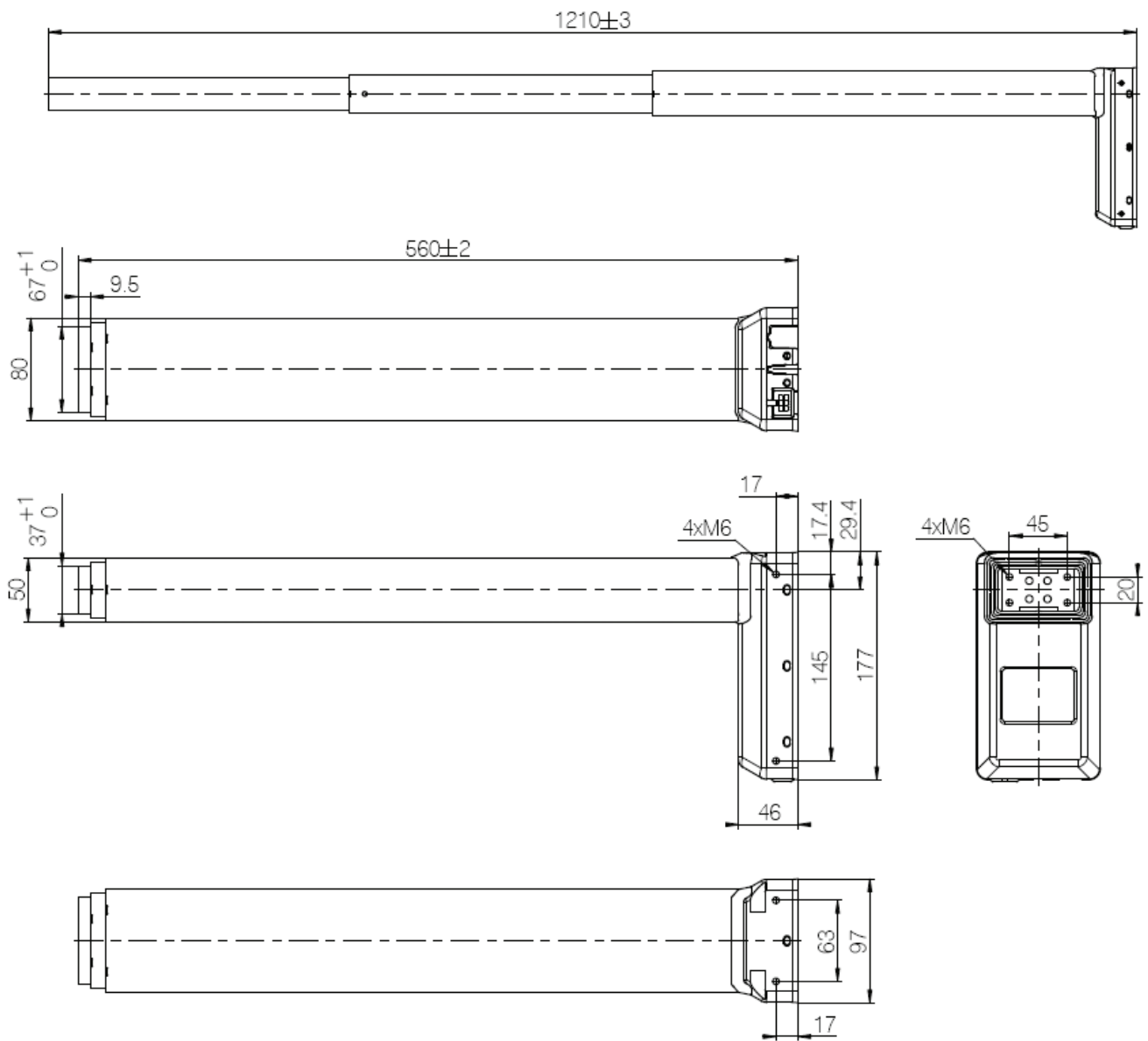
### Dimensions:

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 work.

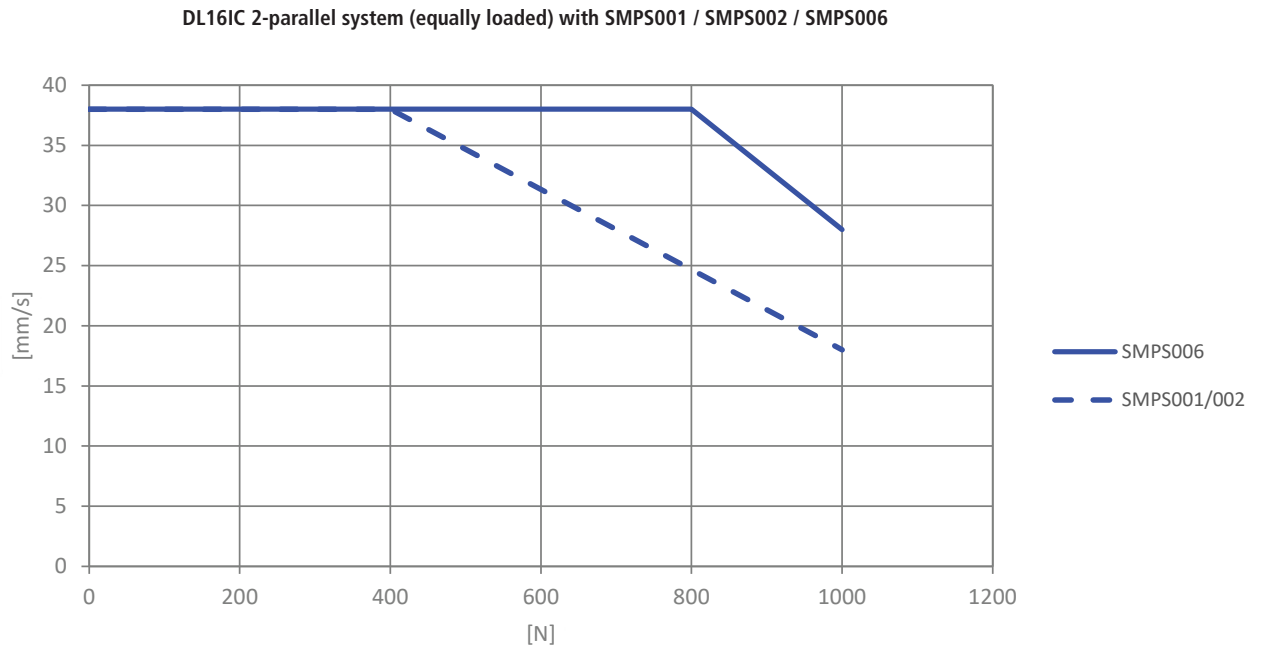
### Dimensions, DL16IC Master:



Dimensions, DL16IC Slave



## Curves DL16IC with SMPS001/002/006



The above data are measured in connection with 2 x DL16IC lifting units and SMPS001/002/006.



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

The end-stop system in the DL16IC is based on a buffer system meaning that you must be aware of the lengths when initialising. The products must be able to drive:

Inward direction:	built-in dimension - tolerances - 5 mm
Outward direction:	built-in dimension + stroke length + tolerances + 5 mm

## Ordering example:

DL16	0	0	0	B	0	M	650	560	
									<b>Installation dim.:</b> 560 = 560 mm (Standard)
									<b>Stroke length:</b> 650 = 650 mm (Standard)
									<b>Motor type:</b> M = IC Master S = IC Slave
									<b>Option:</b> 0 = Standard
									<b>Colour:</b> A = RAL 9006. Grey, Gloss 30 B = RAL 9005. Black, Gloss 30 D = RAL 9016. White, Gloss 30
									<b>Mounting bracket:</b> 0 = None
									<b>Option:</b> 0 = Standard
									<b>Spindle type:</b> 0 = 20 mm pitch (Standard)



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

### Terms of use

The user is responsible for determining the suitability of LINAK products for specific application. LINAK takes great care in providing accurate and up-to-date information on its products.

However, due to continuous development in order to improve its products, LINAK products are subject to frequent modifications and changes without prior notice. Therefore, LINAK cannot guarantee the correct and actual status of said information on its products.

While LINAK uses its best efforts to fulfil orders, LINAK cannot, for the same reasons as mentioned above, guarantee the availability of any particular product. Therefore, LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or other written material drawn up by LINAK.

All sales are subject to the Standard Terms of Sale and Delivery for LINAK. For a copy hereof, please contact LINAK.