PRODUCT DATA SHEET

LIFTING COLUMN LP2

Features:

- *LP2 is a specially designed telescopic aluminium lifting column incorporating a LINAK® 24 V DC linear actuator.*
- *It is designed to provide vertical lifting (push only) where simultaneous bending and torsion moments may occur*
- *LP2 lifting columns are available in 2 versions, the LP2-2 (small column) and the LP2-5 (large column)*
- *Thrust up to 6300 N with gas spring (push only)*
- *In each end of the column there is a black painted steel plate, in which there are 4 holes for the fastening of the column*
- *Robust anodised aluminium surface*
- *Extremely low noise level*
- *Elegant and compact design*
- *Cable: black 2,4 m straight supply fitted with jack-plug*
- *Standard protection class: IP 51*
- *Ambient temperature +5°C to +40°C*
- *Colour: anodised aluminium*
- *Duty cycle: 2/18; 2 minutes continuous use followed by 18 minutes not in use.*
- *LP2 is compatible with CB8, CB12, CB14 or CB18*

Options:

- *Reed-switch (for parallel and memory functions)*
- *Safety nut*
- *Mounting bracket on the side of the column. (E.g.: control boxes can be fastened directly to the lifting column)*
- *Gas spring for increased lifting capacity (only LP2-5)*

The LP2 range of vertical lifting columns is ideal where vertical positioning of substantial loads is required.

The design allows the LP2 range to be built in a complete motion control system simply by adding a suitable LINAK control box and handset.

Advanced design and high quality construction allows the column to be operated either as single or parallel with up to a max. of 4 units and/or with a memory function.

The LP2 lifting column is the ideal choice for duties such as height adjustment on computer work stations, work benches or a wide selection of other duties.

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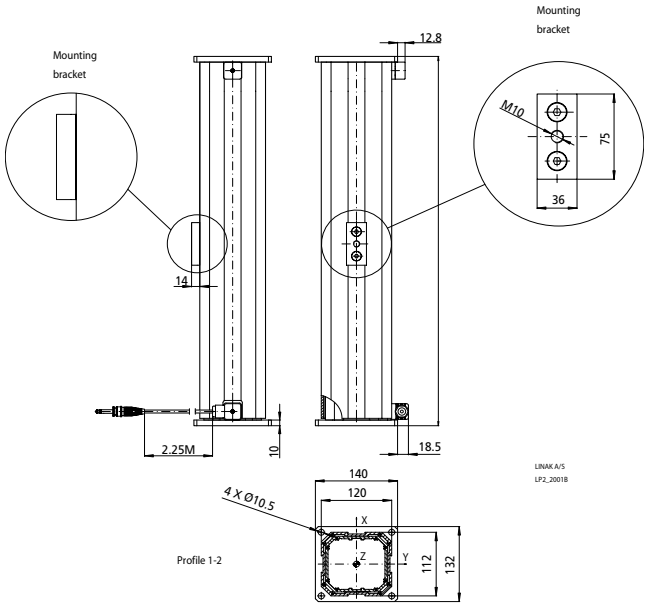
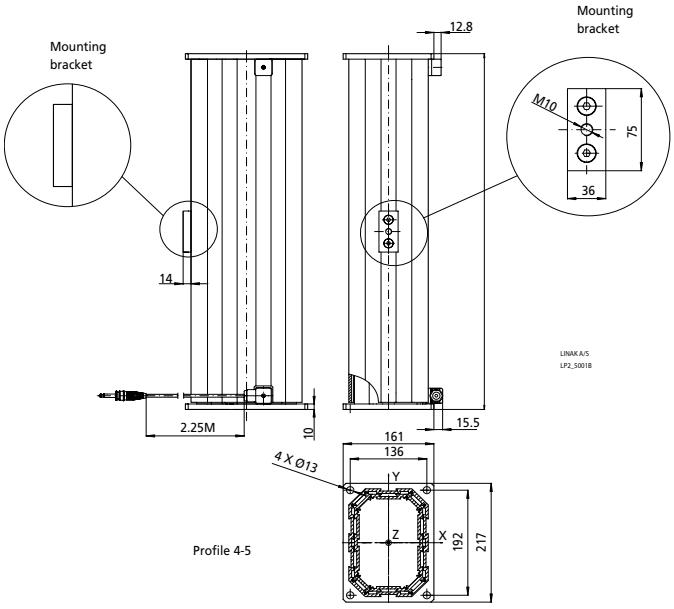
Dimensions: Profile 1-2



Dimensions: Profile 4-5



Technical specifications:

Type (Actuator type inside LP2)	Push max. (N)	Push max. with spring (N)	Typical speed at 0/full load (mm/s)	Typical amp. at 0/full load (24V)	Build-in "I" Stroke length "S" (mm)					Profile No.	Max. bending Moment* (static values) Mx (Nm)	 My (Nm)
LP2-2.1 (285xx0-xxxxx10x)	2600	-	9/6.2	1/4.4	I	405	505	630	670	1-2	700	550
					S	200	300	425	500			
LP2-2.2 (282xx0-4xxxx10x)	1600	-	21/13	1.5/4.4	I	405	505	630	670	1-2	700	550
					S	195B	295B	420B	465B			
LP2-5.1 (285xx0-xxxxx10x)	2600	3300	9/6.2	1/4.4	I	405	505	630	670	4-5	1600	1000
					S	200/200G	300/300G	425/425G	500/500G			
LP2-5.2 (301xx0-xxxxx40x)	3600	4300	6/5	1/4.5	I	405	505	630	670	4-5	1600	1000
					S	200/200G	300/300G	425/425G	500/500G			
LP2-5.3 (302xx0-xxxxx40x)	1600	2300	12/10.5	1/4	I	405	505	630	670	4-5	1600	1000
					S	200/195BG	300/295BG	425/420G	500/460BG			
LP2-5.4 (303xx0-4xxxx40x) (303xx0-5xxxx40x)	1000	-	18/15	1/4	I	405	505	630	670	4-5	1600	1000
					S	195B	295B	420B	460B			
LP2-5.5 (30Kxx0-xxxxx40x)	5600	6300	7/5	1.2/5	I	405	505	630	670	4-5	1600	1000
					S	150/150AS	250/250AS	400/400AS	400/400AS			
LP2-5.6 (282xx0-4xxxx10x) (282xx0-5xxxx10x)	1600	2300	21/13	1.6/4.4	I	405	505	630	670	4-5	1600	1000
					S	195BG	295BG	420BG	460BG			

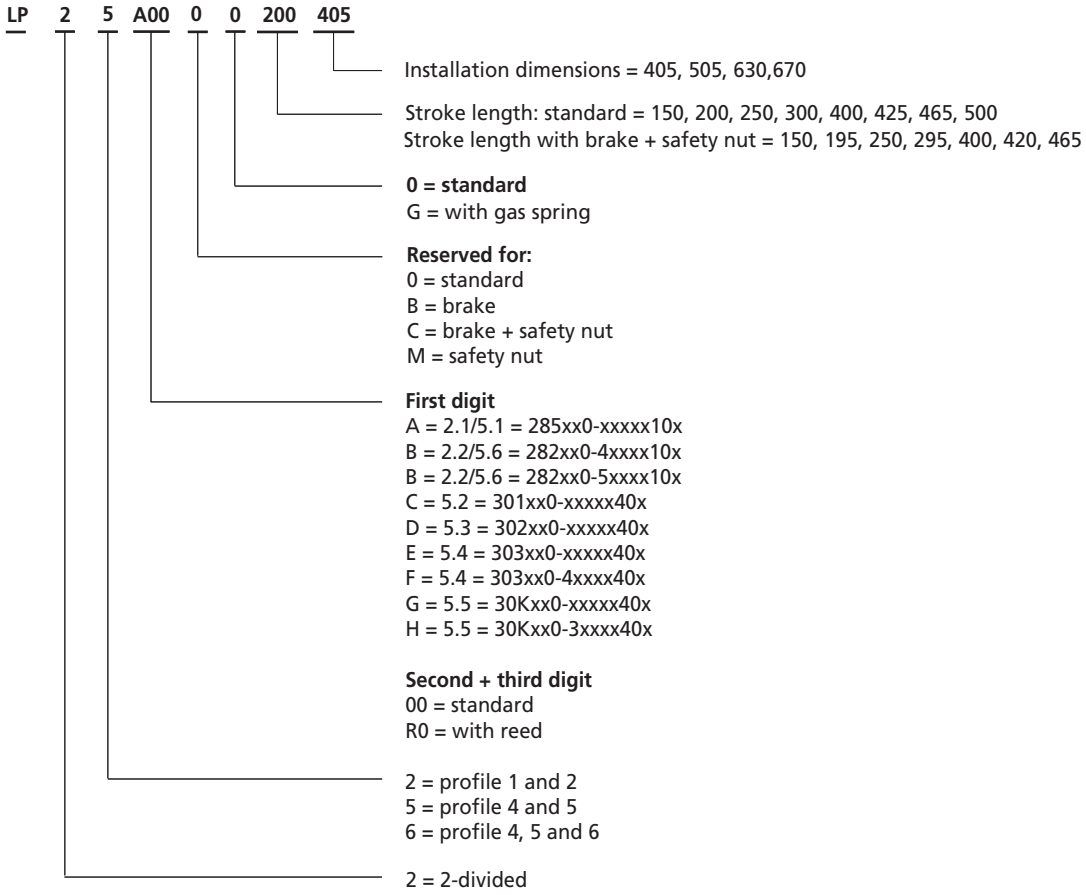
B = Includes brake
G = Includes gas spring
AS = Stroke length for LP with KAS actuator
For more actuator information see the relevant actuator ordering example

Speed values: average values, measured with column and stable power supply, without gas spring mounted.
The speeds mentioned above are with load on the Z-axis of the LP.
The column can only be loaded with the maximum bending moment over the first 80% of the stroke.
Above this 80% figure, the maximum bending moment will be reduced to 50%.

The column must only be mounted with the larges profile uppermost.

LP2

Ordering example:



Mounting brackets have to be ordered separately.
Order number: 052129 (including 2 mounting screws)

Various other information:
Tolerances for the lifting column:

Stroke: +/- 4mm
Installation dim. +/- 5 mm

The cleaners and disinfectants must not be highly alkaline or acidic(pH value 6-8)
Depending on the choice of control box it is possible to operate 2 lifting columns in parallel and save up to 3 memory positions.
If parallel drive or memory function is required the lifting column has to be ordered with reed switch.