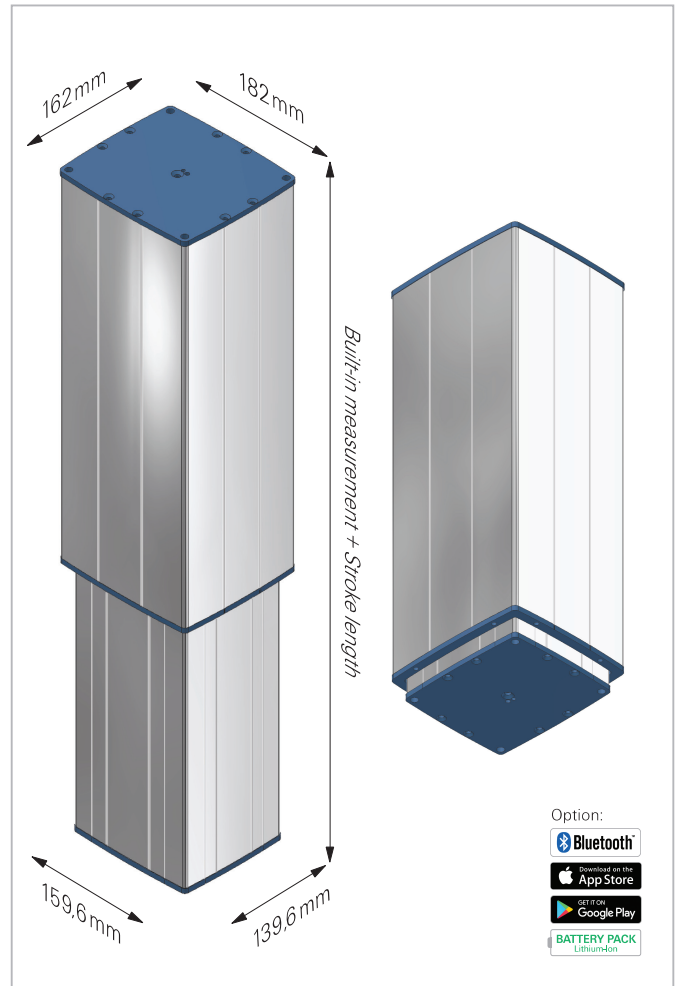


Aluminium Lifting Column HEAVY-DUTY/Medical Series **MAC31U**

Up to 6000N



Strong Aluminium Lifting Column MAC31U

For the medical industry & industrial ergonomic workplaces.

MAC31U is a completely new developed lifting column, designed to meet the requirements of hygiene and quality in the medical sector and industrial workplaces. In the development, high stability and a reasonable price level were emphasized. The strong MAC31U lifting column is designed for loads up to 6000N for a single column - by lifting column systems even more. Speed up to 56mm/s (by 400N).

Plug & Play: You can also get MAC31U as a complete Plug & Play solution, including one or more MAC31U lifting columns, a Movetec control box 110V-240VAC, all cables and a control panel. By selecting a control box with Bluetooth®, MAC31U are easily controlled by a remote control, or an iPhone® or Android®-Smartphone.

Material specifications:

Outer profile: Anodized Aluminium
 Inner profile: Anodized Aluminium
 Friction sliders: POM Derivate
 Top plate: Steel
 Bottom plate: Steel
 Lifting drive parts: Aluminium, Steel, ABS, POM, PP and more

Technical data:

Max. load: 6000N (depends on the stroke length)
 Max. speed without load: 56mm/sek (by 400N) (depends on force)
 Stroke length: 100-600*mm/special versions up to 1000*mm (depends on force)
 Dyn./static bending moment: Max.1000/2000Nm (depends on the stroke length)
 Min. built-in measurement/length: 224mm (by 6000N: Min. 262mm)
 Operation temperature: 5°C - 45°C (contact Movetec for lower and higher temperatures)
 Power supply/Voltage: 12/24V DC/Optional 110V-240VAC
 Cable out: Cable out in the outer profile
 Intermittents: 10-15%
 Double Hall-sensors: Yes
 Top plate size: 181,9mm x 161,9mm
 Bottom plate size: 159,6mm x 139,6mm
 Outer profile size: 180mm x 160mm
 Inner profile size: 158mm x 138mm
 Mounting tracks: None, smooth surface profiles
 Control box: More options, see www.movetec.dk
 Synchronized drive: Max.32x/16x/12x lifting columns in synchronized drive
 Control panel: More options, see www.movetec.dk
Options: Bluetooth® controlling for iPhone®- and Android® Smartphones. Potentiometer. 12V DC. Top- and bottom mounting plates. Cable out in the inner profile (see MAC31). Control box with Lithium-Ion battery pack. 100% brake. Small remote control. Stroke 1000mm/2000N.

* Stroke length 100-450mm by 6000N.

MOVETEC

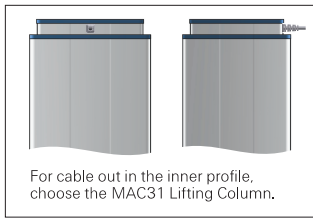


True Innovative Moving Technology

Aluminium Lifting Column *HEAVY-DUTY/Medical Series* **MAC31U**

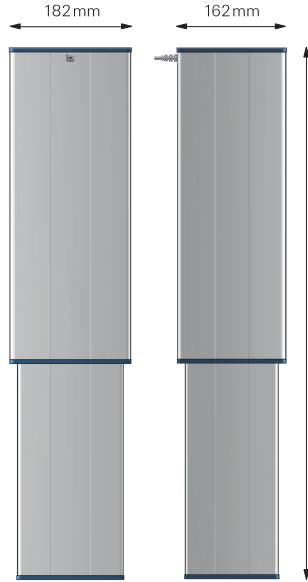
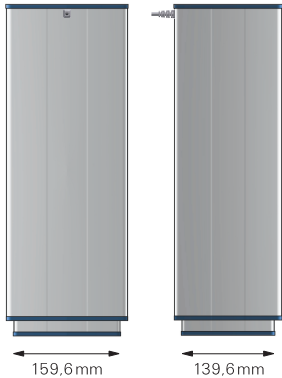
Smooth Surface

Up to 6000N



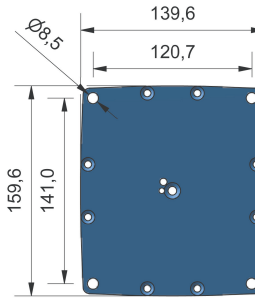
For cable out in the inner profile, choose the MAC31 Lifting Column.

MAC31U cable out: Cable out in the outer profile.

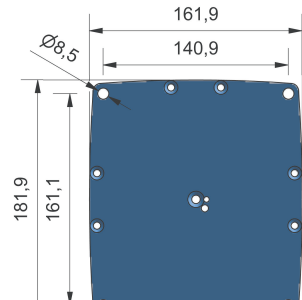


Built-in measurement

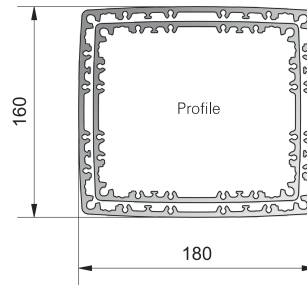
Built-in measurement + Stroke length



Inner profile bottom plate

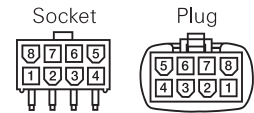


Outer profile top plate



Profile

All dimensions in mm.



Control boxes and control panels:

MAC31U can be used with all Movetec control boxes and Movetec control panels. Some control boxes can also be programmed for customer-specific functions - please contact us with your wishes, we are looking forward to your call: +45 64 89 28 05.

CAD-drawings:

You can download 3D-drawings (STEP-Data) for MAC31U for your CAD-Program or as a PDF-file on our homepage.

Lifting columns data:

Gear/drive-type no.	Load, Push N	Load, Pull N	Typ. power consumption by load A	Speed, without load (32VDC) mm/s	Stroke length in mm	Built-in measurement (by stroke length 100-600mm) in mm	Max. dyn./static bending moment Nm
G29	6000	4000	5,0	6,0	100 - 450	262 - 762	1000-2000**
F	4500	4000	4,5	6,5	100 - 600*	262 - 762	1000-2000**
G	3500	3500	4,7	12,0	100 - 600*	247 - 747	1000-2000**
J	2000	2000	3,2	17,0	100 - 600*	224 - 724	1000-2000**
K	1500	1500	3,5	23,5	100 - 600*	224 - 724	1000-2000**
E	400	400	2,8	56	100 - 600*	224 - 724	1000-2000**

* Option: Special versions with stroke length up to 1000 mm by 2000N available. /** Depends on the construction/application in which the lifting columns are built into.

Molex plugs/connections:

Product	1	2	3	4	5	6	7	8
Color	White	Red		Green	Blue	Orange	Black	Yellow
Dual Hall	Hall 1	+5V	NC	Motor+	Hall 2	NC	Ground	Motor-

Manuals, installation instructions, approvals/certificates, Safety instructions etc.:

Installation manuals, assembly- and installation instructions, warnings, instructional videos and further information, can be found on our homepage: www.movetec.dk



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Further information → www.movetec.dk



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