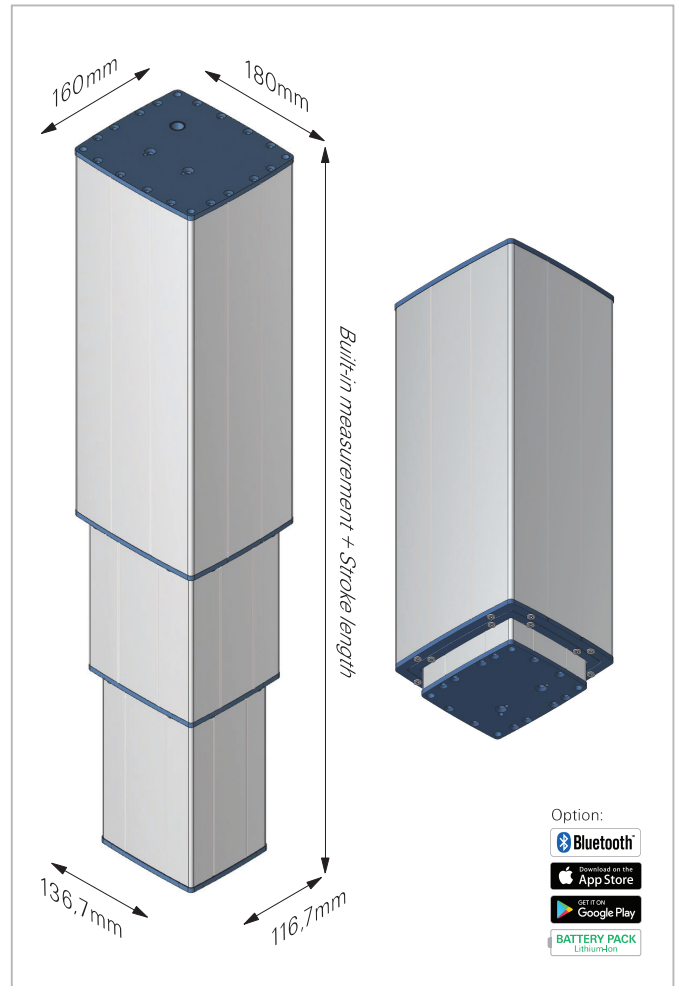


Aluminium Lifting Column HEAVY-DUTY/Medical Series **MAC30U**

Up to 6000N



Strong Aluminium Lifting Column MAC30U

For the medical industry & industrial ergonomic workplaces.

MAC30U 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 MAC30U lifting column is designed for loads up to 6000N for a single column - by lifting column systems even more. Speed up to 42mm/s (750/1500N).

Plug & Play: You can also get MAC30U as a complete Plug & Play solution, including one or more MAC30U lifting columns, a Movetec control box 110V-240VAC, all cables and a control panel. By selecting a control box with Bluetooth®, MAC30U are easily controlled by a remote control, or an iPhone® or Android®-Smartphone.

Material specifications:

Outer profile: Anodized Aluminium
 Inner and middle profiles: 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: 42mm/sek (750/1500N) (depends on force)
 Stroke length: 100-900*mm/special versions up to 1200*mm (depends on force)
 Dyn./static bending moment: Max.1000/2000Nm (depends on the stroke length)
 Min. built-in measurement/length: 188-201mm (by 6000N: Min. 226mm)
 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: 181,9 mm x 161,9 mm
 Bottom plate size: 138,6 mm x 118,6 mm
 Outer profile size: 180 mm x 160 mm
 Inner profile size: 136,7 mm x 116,7 mm
 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 MAC30). Control box with Lithium-Ion battery pack. 100% brake. Small remote control. Stroke 1200mm/4000N.

* Stroke length 100-900mm by 6000N (Option: Stroke length 1000mm/1200mm by 4500/4000N).



Aluminium Lifting Column *HEAVY-DUTY/Medical Series* **MAC30U**

Smooth Surface

Up to 6000N

For cable out in the inner profile, choose the MAC30 Lifting Column.

MAC30U cable out: Cable out in the outer profile.

Dimensions: 180mm, 160mm, 136,7mm, 116,7mm, Built-in measurement, Built-in measurement + Stroke length.

Outer profile top plate: 161,9, 140,9, 181,1, 181,9, Ø8,6

Inner profile bottom plate: 118,6, 99,6, 120,0, 138,6, Ø8,6

Profile: 180,0, 0,091

All dimensions in mm.

Control boxes and control panels:

MAC30U 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 MAC30U 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 (32 VDC) mm/s	Stroke length in mm	Min. built-in measurement (by stroke length 100 mm) in mm	Max. dyn./static bending moment Nm
G1	1750	1750	4,7	20	100 - 900/1200*	Min. 201	1000/2000**
G2	3500	3500	2 x 4,7	20	100 - 900/1200*	Min. 201	1000/2000**
J1	1000	1000	3,7	30	100 - 900/1200*	Min. 188	1000/2000**
J2	2000	2000	2 x 3,7	30	100 - 900/1200*	Min. 201	1000/2000**
K1	750	750	3,5	42	100 - 900/1200*	Min. 188	1000/2000**
K2	1500	1500	2 x 3,5	42	100 - 900/1200*	Min. 188	1000/2000**
F2	4500	3500	2 x 5,0	16	100 - 900/1000*	Min. 226	1000/2000**
P2	6000	3500	2 x 6,0	12	100 - 900	Min. 226	1000/2000**

* Option: Special versions with stroke length up to 1000-1200mm by 1000-4500N 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-

Socket and Plug diagrams.

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

Further information → www.movetec.dk

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True Innovative Moving Technology