

# CPMC lifting column for mobile C-arms

Powerful, extremely stable and robust

## Ewellix CPMC lifting column allows to move high offset load

Mobile C-arms are the first choice when it comes to emergency room equipment due to their unrivalled flexibility. Ewellix has been providing premium quality electrical lifting columns for this purpose for decades. Our newest offer is the CPMC lifting columns which provides more offset load capacity. The robust and solid construction of the CPMC column allows to take large torque with maximum safety. In addition, the vertical movement solution provided by the CPMC column represents an attractive alternative to self-made guiding solutions



## More functionality

Lifting columns CPMC are the ideal solution to combine strong guiding functions with linear movements.

The robust, manually adjusted and virtually backlash-free aluminum extrusions are able to carry high excentric loads in push and pull directions.

To provide enough power to lift and lower heavy weights with high speed, the columns are equipped with brushless DC motors.

Bespoke customer-specific installation solutions, as well as cable bushings complete our offer.

## Benefits

- Solution for higher offset loads
- More functionality combined with controlled motion
- Products in compliance with norms and regulations
- Silent movement with soft start-and-stop functionality
- Flexible cable management

## Performance and safety

New guiding tube design provides more offset load capacity, and in any non-running condition the brake will prevent the actuator from moving.

A hexagon shaft can be provided at the bottom of the pillar for manual lowering.

CPMC lifting column is truly maintenance-free for its life-cycle

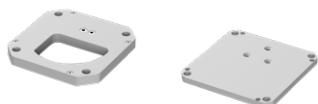
## Position accuracy

Optionally, an external encoder can be mounted on the back of the motor.

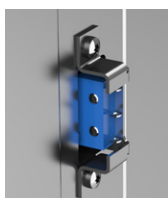
If any stroke limitation monitoring will fail, the mechanical end limits will stop the actuator travel mechanically.

## Cable feed through / cable chain

Cable bushings ensure order. Different configuration of cable chain solutions allow to feedthrough power, data, video and signal cables.



Customized top and bottom plate



External end limit



Externally mounted encoder system at motor

## Technical data

	unit	CPMC
<b>Mechanical characteristic</b>		
Eccentric load capacity	Nm	3 000
Load lifting capacity	N	+/- 4 000
Min. retracted length	mm	stroke + 200
Max. stroke	mm	up to 700 (dependent on eccentric load)
Speed	mm/s	25
Protection class	–	IP20
Weight	kg	~28 (stroke 500mm)
<b>Electrical characteristic</b>		
Motor type	–	BLDC
Nominal voltage	V DC	36 / 3ph
No of poles	–	4
Max. current	A	6
Duty cycle	%	10
Intermittent operation	–	1 min on / 9 min off

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