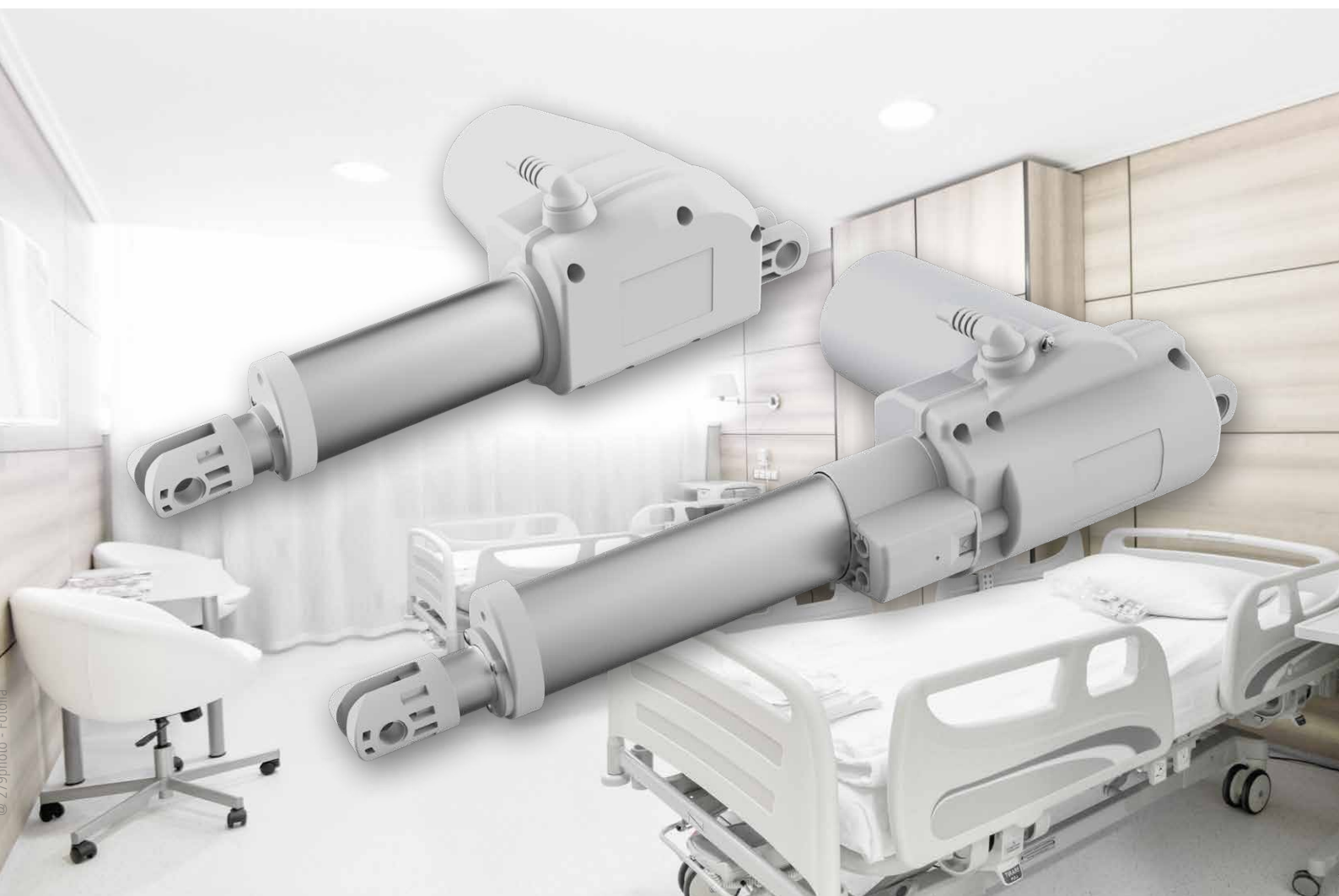




DEWERT

A Phoenix Mecano Brand

MEGAMAT 12 FULL DRIVE POWER



- High safety level by self-locking
- Easy and safe automatized cleaning and decontamination
- Easy use of safety functions such as integrated emergency release
- High comfort thanks to a silent operation

MEDICAL-INNOVATION

MEGAMAT 12

The quiet one performance drive

More comfort for patients

MEGAMAT 12 allows patients to adjust their beds to the desired position quickly and safe, making the individual drive especially efficient while ensuring a high level of satisfaction from patients and nurses.

Feedback from the drives provides patients with a reliable and accurate position. The low noise level ≤ 49 dB(A) during adjustment creates additional comfort.

Powerful MEGAMAT 12 drives also excel with applied forces of 6,000N pushing and 4,500N pulling, ideal for heavy-duty applications and complex movement profiles.

Compact and washable

Beds in hospitals and nursing homes are ever more frequently disinfected and cleaned in modern automatic washing facilities for a faster, more reliable cleaning process.

MEGAMAT 12: These drives are available with optional washing compatibility allowing them to be kept attached to the bed during the cleaning process. This saves time and ensures complete process reliability.

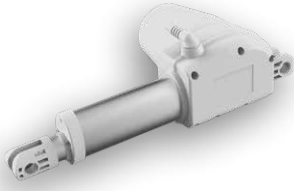
Apart from that, MEGAMAT 12 has a very compact design for quick and easy mounting on the bed frame while also taking up little space. A retrofit option allows MEGAMAT 12 to be used as a simple replacement for standard drives.

Maximum safety

Each individual drive in the MEGAMAT 12 ER version has an integrated emergency lowering without relying on the mains supply to return patients into horizontal position quickly.

A Bowden cable connection will enable nurses to act quickly in case of an emergency .

MEGAMAT 12 FAMILY



STANDARD

Volume-optimized performance
IPX6

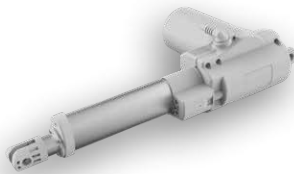
Standard



STANDARD W

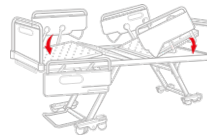
Volume-optimized performance
IPX6 (w)

Standard



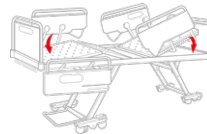
ER

Integrated emergency release
IPX6



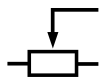
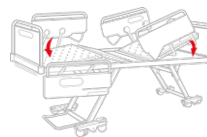
ER W

Integrated emergency release
IPX6 (w)



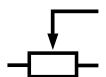
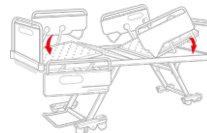
STANDARD OR ER WITH POTENTIOMETER

Integrated emergency release
IPX6



STANDARD OR ER W WITH POTENTIOMETER

Integrated emergency release
IPX6 (w)



MEGAMAT 12 – STANDARD

KEY FEATURES



Feature

Load capacity

6,000 N push
4,500 N pull

Self-locking

up to 6,000 N

Adjustment speed

max. 48 mm/s
≥ 6 mm/s at 6,000 N

Stroke length

max. 300 mm at 6,000 N push
max. 450 mm at 4,000 N push
max. 500 mm at 2,000 N push

Installation length

min. 163 mm + stroke

Duty cycle

2/18 min. or 10%
maximum 5 switching cycles per minute

Max. noise

≤ 49 dB(A)
(DS/EN ISO 3743-1; actuator without load)

Motor voltage

maintenance-free 24 V DC motors

Lifetime

> 10.000 cycles

Protection Type

IPX6
IPX6 (w)

TECHNICAL SPECIFICATIONS

MEGAMAT 12 – ER VERSION

KEY FEATURES



Feature

TECHNICAL SPECIFICATIONS

Load capacity	5,000 N push 4,500 N pull
Self-locking	up to 4,500 N
Adjustment speed	max. 27 mm/s ≥ 6 mm/s at 5,000 N
Stroke length	max. 300 mm at 5,000 N push max. 450 mm at 3,000 N push max. 500 mm at 2,000 N push
Installation length	min. 203 mm + stroke (min. 260 mm)
Duty cycle	2/18 min. or 10% maximum 5 switching cycles per minute
Max. noise	≤ 49 dB(A) (DS/EN ISO 3743-1; actuator without load)
Motor voltage	maintenance-free 24 V DC motors
Lifetime	> 10.000 cycles
Protection Type	IPX6 IPX6 (w)

MEGAMAT 12 – STANDARD / ER



SPECIAL CONFIGURATION

Feature

Protection type

Position feedback

Motor connecting line

Clevis material

Stroke pipe

Equipment options

TECHNICAL SPECIFICATIONS

IPX6 (w)

Additional limit switch
Hall sensor
Linear potentiometer
(Position feedback with actuated ER)

Pigtail

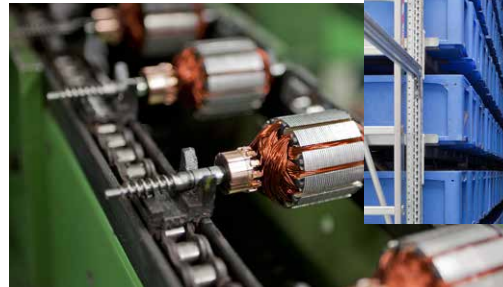
Zinc die cast

Aluminum / optional steel powder-coated

Safety limit switch
Safety spindle nut

DEWERT

We at Dewert are convinced of the importance of confidence in a good working relationship – confidence in the product, confidence in the manufacturer. That's why we provide professional, authentic and visionary services based on partnership from the very start. We will develop and implement new ideas together with you to ensure success in your products. Apart from our standard components, we also develop bespoke drive solutions for a wide variety of applications.



Phoenix Mecano Group

Dewert is a member of the Phoenix Mecano Group, Mechanical Components division. The Phoenix Mecano Group is a global technology company with more than sixty locations on six continents. As a Dewert customer, you benefit from the rapid response times of a highly agile worldwide distribution network.



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