

NEW GENERATION OF SINGLE DRIVES WITH INTEGRATED CONTROL UNIT

Perfect for all medical applications: the MEGAMAT 20. Hospital beds, treatment tables, nursing beds and many other medical applications can be reliably adjusted using our robust single drive. The MEGAMAT 20 is particularly powerful thanks to its push force of up to 6,000 newton and pull force of up to 4,000 newton. The MEGAMAT 20 is available with an integrated BUS control unit. Using this control unit, different parameters for the system, such as stroke and speed, can be programmed individually. Thanks to the BUS system, the application-specific configurations are also integrated in the handset and can be changed simply by replacing the handset. On request, the MEGAMAT 20 is available as a retrofit version and can be connected to any of DewertOkin's standard control units.

Compact and quiet

A compact design makes it the ideal drive for applications with limited space. The MEGAMAT 20 is also very quiet. The cost advantage and protection classification combine to make the MEGAMAT 20 the ideal single drive for use in facilities.



Customer benefits

- High protection classification and cost advantage
- Integrated BUS-based control unit
- Outstanding configuration options
- Compact and stable construction
- High push and pull forces
- Position detection
- Low noise level

Standard configurations

Performance characteristics

Control type	Analog/ Digital
Adjustment load	Max. 6,000 N pushing, max. 4,000 N pulling
Adjustment speed	6 kN: 5.2 mm/s 4 kN: 8.2 mm/s 2 kN: 13.6 mm/s
Stroke length	Max. 600 mm Maximum stroke length may vary depending on the force
Fitting dimension (B)	For drives without disengagement (release): Min. 167 mm + stroke (min. installation dimension of 200 mm with 33 mm stroke) For drives with disengagement (release): Min. 193 mm + stroke (min. installation dimension of 226 mm with 33 mm stroke) The minimum installation dimensions may vary depending on force and stroke. Consult with DewertOkin for your project.
Duty cycle	2/18 min. at max. 5 switching cycles per minute
Motor voltage	Maintenance-free 24 V DC DC motors
Protection degree	IP67 (suitability for wash tunnels is planned)
Limit shut-off	Software, mechanical spindle limit stop
Stroke pipe clevis	Bore hole: 10/12 mm slot: 5/8/10 mm
Gear clevis	Rotatable (0° standard, 90° on request) Hole: 10/12 mm Slot: 5/8/10 mm
Stroke pipe	Anodised aluminium, smoothly rotatable
Guiding profile	Anodised aluminium
Housing colour	Grey RAL 7035
Motor cables	Pluggable
Position detection	Optical sensor
Protection class	III
Relative humidity	30% - 75%
Ambient temperatures	+10 °C - +40 °C

Special configuration

Control type	DCC 2.0 Powerbus
housing	Motor partition cover
Version	Megamat 20: - Drive for speaker plug - Drive with SmartSync - Drive with Hall sensor Megamat 20i: - DCC 2.0 Power Bus control unit built into the drive

Fuse	Thermal fuse, two optical sensors, detection of run direction, overcurrent switch-off, first failure line, button enable line, pinching (entrapment) protection
Safety options	Emergency release (max. 4,000 N press force, 0 kN pull force)

