

Powerful drive solution for nursing beds

Versatile and low-noise: The rectangular DC20 heavy-duty lifting column is ideal for use in hospital and nursing beds as well as other applications in the nursing and treatment area. A pushing force of up to 2000 newtons and a high adjustment speed of maximum 48 mm/s ensures that the height can be adjusted reliably.

The heavy-duty lifting column is compact and extremely stable. Thanks to these characteristics, it is especially well suited to high off-centre loads. The DC20 is available with many configuration options, including a safety limit switch, additional limit switch or safety spindle nut.



#### Customer benefits

- High pushing force
- Fast adjustment speed
- Low noise level
- Suitable for high off-centre loads
- Compact and stable design
- Many configuration options

## Standard configurations

### Performance characteristics

Adjustment load	max. 2000 N pushing force
Adjustment speed	max. 48 mm/s max. 18 mm/s (at 2000 N)
Static bending moment	1000 Nm
Dynamic bending moment	500 Nm
Stroke length	max. 700 mm
Fitting dimension (B)	min. 125 mm + 1/2 stroke (minimum installation dimension 320 mm at 400 mm stroke)
Outer dimensions	175 x 140 mm
Duty cycle	2/18 min. or 10%, max. 5 switching cycles per minute
Control type	Direct circuit
Motor voltage	Maintenance-free 24 V DC DC motors
Protection degree	IPX4
Limit cut-off	via micro-switch
Noise intensity	48 dB(A)
Attachment points (base plate)	113 x 153 mm
Attachment points (end plate)	116 x 77 mm
Profile colour	Anodised aluminium
Supply cable	grey - RAL 7035, spiralled, 700 mm, 8-pin DIN plug grey - RAL 7035, smooth, 500 mm, 8-pin DIN plug
Position detection	Hall sensor

### Extra configurations

Motor cables	Head and base plate
Motor cables - Control cable	Head and base plate
Motor cables - Cable gland	on the customer's request
Safety options	Safety limit switch, additional limit switch, safety spindle nut

### Additional characteristics

Protection class	III
Relative humidity	30% to 75%
Ambient temperatures	+10 °C to +40 °C

