



KONRAD

one step further.



E-LINER

The electronic
carriage system



E - L I N E R

The electronic carriage system

The E-LINER combines many years of experience in the construction of cable crane systems with the latest control technology in the electronics sector. In contrast to other manufacturers, the E-LINER works with temperature-insensitive high-current capacitors and with an electric motor / generator (torque motor), which is charged when the load is pulled. The specially developed rope clamps enable fast and safe switching operations and protect, through the use of appropriate clamping jaws, the carrying and pulling rope. The jump-out protection is kept slim and enables a smooth and safe saddle crossing (a mechanical locking is also possible).

Advantages

Customers benefit from many advantages:

- Uphill and downhill operation
- No slack rope on the drum (long service life)
- No engine noise
- Low maintenance
- Minimal operational costs
- Low electrical voltage, no risk of injury
- Direct clamping of mainline cable and skyline cable





E-LINER

The ideal carriage for thinning and final felling.

Radio technology

The new handheld device impresses above all with its simple handling and operation, an ergonomic design and an impact-resistant, lightweight housing.

- Handheld radio transmitter with display
- Extremely light with large battery capacity
- All settings can be made using a hand-held radio transmitter
- Error diagnosis, display of the operating data from the diesel engine and hydraulic system
- Display of radio frequency and signal strength
- Universal for all KONRAD machines



E-LINER EL40-2

Visualization

The carriage visualization allows operating states to be transmitted to the driver's cab in real time.

The following data can be displayed, among others:

- State of charge of capacitors and battery
- Speed of the electric motor
- Notification of a suspension cable break
- Display of error messages





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Technical Data that convince



	EL40-2
Weight	790 kg ¹⁾
Payload	40 kN
Max. spooling force	2 -5 kN
Max. spooling speed	2,2 m/s
Skyline rope diameter	Ø18 - 22 mm
Mainline diameter	Ø11 - 12 mm
Radio system	KFS-16, KFS-20
Electrical system	
Capacitor level	60 V DC (max. 64 V DC)
Battery level	24 V DC
Battery	20 Ah (LiFePO4)
Hydraulic system	
Hydraulic oil pump	Axial piston pump, open oil circuit
Max. working pressure	320 bar
Volume of hydraulic system	14 l

1) Weight including equipment

Special equipment: In addition to the standard equipment, a wide range of special equipment is available. For more information on standard and optional equipment, please contact your KONRAD sales partner.

The manufacturer reserves the right to make technical changes and improvements.



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