

# BATTERY TECHNOLOGY





# ROBEL E<sup>3</sup>

Powerful battery technology meets reliable mechanics.  
Clean, quiet and powerful working.

Our contribution  
to climate  
protection and  
health and safety

## ECONOMIC

- Profitability
- Productivity
- Reliability
- Low Maintenance

## ECOLOGIC

- Innovation
- Sustainability
- Energy Efficiency
- Carbon Neutrality

## ERGONOMIC

- User Friendliness
- Safety
- Emission Reduction
- HAV-Reduction

ROBATTERY 71.01 (400 Wh)

ROBATTERY 71.01 (800 Wh)

43 V



**RODRILL 10.20 E<sup>3</sup>**  
Battery Powered Rail Drilling Machine



**ROBORE 11.20 E<sup>3</sup>**  
Battery Powered Sleeper Drilling Machine



**ROSAW 12.20MSB E<sup>3</sup>**  
Battery Powered Rail Band Saw



**ROMPACT 30.20 E<sup>3</sup>**  
Battery Powered Impact Wrench



**ROSPIKE 33.25 E<sup>3</sup>**  
Battery Powered Spike Driver



**ROTAMP 62.20L E<sup>3</sup>**  
Battery Powered Vertical Tamper



**ROPOWER 76.20 E<sup>3</sup>**  
High Pressure Power Pack

50 V

**ROBATTERY 71.02 (2300 Wh)**



**ADAPTER 71.02 (from 50 V to 43 V)**



**ROGRIND 13.45MD E³**  
 Welding Joint Grinding Machine



**ROGRIND 13.49 E³**  
 Hybrid Rail Head Profile Grinding Machine



**ROCUT 13.90 E³**  
 Electrical Rail Cutter



**ROGRIND 13.63**  
 Modular Rail and Switch Grinding Machine



**ROWRENCH 30.76 E³**  
 Electric Precision Power Wrench



**ROWRENCH 30.82HKS E³**  
 Battery Powered Universal Wrenching Machine



**ROCLIP 34.01 E³**  
 Battery Powered Clipping Machine



**ROCONVERT 72.01 E³**  
 Battery Conversion Kit



## THE ADVANTAGES. YOUR BENEFITS.

### Especially powerful

- Powerful batteries especially designed for railway construction
- Highly temperature-resistant

### Handy. Convenient. Ergonomic.

- Machine ready for use at the push of a button
- Batteries with flexibly selectable power classes
- Battery packs, charger and machines can be combined
- Well legible battery level indicator

### Quiet. Emission-free. Clean.

- Low noise
- No exhaust gases, odour nuisance or soiling
- Suitable for tunnels and urban areas

### Maintenance-free. Cost-effective. Sustainable.

- Long-life battery cells
- Maintenance-free batteries
- ROBEL takes back and recycles the batteries

SPECIFICATION	ROBATTERY 71.01	ROBATTERY 71.01	ROBATTERY 71.02
Energy content	400 Wh	800 Wh	2300 Wh
Capacity	9 Ah	18 Ah	46 Ah
Rated voltage	43 V	43 V	50 V
Charging time	2 – 3 h	3 – 4 h	6 – 8 h
Dimensions	325 x 140 x 120 mm	325 x 140 x 150 mm	460 X 370 X 105 mm
Total weight	3.9 kg	6.3 kg	16 kg

### Environmental conditions:

Service temperature: -20 to +40 °C, Storage temperature: -20 to +50 °C



SPECIFICATION	ROCHARGER 71.11	ROCHARGER 71.12
Battery charger	400 / 800 Wh	2300 Wh
Output	300 W	360 W
Charge termination voltage	50.4 V	58.8 V
Input voltage	100 – 240 V	100 – 240 V
Dimensions	340 x 200 x 140 mm	220 x 90 x 50 mm
Weight	3.5 kg	2.2 kg



Environmental protection as a key element of sustainable business practice has a high priority for ROBEL Bahnbaumaschinen GmbH and is actively pursued.

Therefore, our company introduced a certified environmental management system to ISO 14001 in 2018. This is developed continuously to observe our ecological responsibility.

Environmental protection also includes taking back batteries professional in accordance with the Battery Act. The Battery Act (BattG2 – Act on

the Sale, Return and Environmentally Friendly Disposal of Batteries and Rechargeable Batteries of 17 September 2020) is the German implementation of the European Battery Directive.

This means that batteries/rechargeable batteries can be disposed of by the customer on site environmentally compatible. Working with our partners, we also will take back your ROBEL battery powered products throughout Europe to ensure recording, sorting, recycling and environmentally compatible disposal of all ROBEL battery powered products.

TYPE	DESIGNATION	BATTERY PERFORMANCE CLASS			CO <sub>2</sub> -SAVING (Compared with a conventional combustion engine)
		400 Wh	800 Wh	2300 Wh	
10.20 E <sup>3</sup>	Battery Powered Rail Drilling Machine Number of Drilling operation Ø 32 mm per charge	✓ 35	✓ 70	✓* 200	0.85 kg/OpHr
11.20 E <sup>3</sup>	Battery Powered Sleeper Drilling Machine Number of drilling operation ø 18mm per charge	✓ 100	✓ 200	✓* 600	1.32 kg/OpHr
12.20MSB E <sup>3</sup>	Battery Powered Rail Band Saw Number of cuts per charge	✓ 12	✓ 22	✗ -	0.85 kg/OpHr
13.45MD E <sup>3</sup>	Welding Joint Grinding Machine Grinding time per charge in minutes	✗ -	✗ -	✓ 60	3.93 kg/OpHr
13.49 E <sup>3</sup>	Hybrid Rail Head Profile Grinding Machine Grinding time per charge in minutes	✗ -	✗ -	✓ 60	4.5 kg/OpHr
13.63 E <sup>3</sup>	Modular Rail and Switch Grinding Machine Grinding time per charge in minutes	✗ -	✗ -	✓ 60	at least 3.26 kg/OpHr
13.90 E <sup>3</sup>	Electrical Rail Cutter Number of cuts per charge	✗ -	✗ -	✓ 20	4.21 kg/OpHr
30.20 E <sup>3</sup>	Battery Powered Impact Wrenche Number of wrenching cycles per charge	✓ 300	✓ 550	✓* 1600	2.42 kg/OpHr
30.76 E <sup>3</sup>	Electric Precision Power Wrench Number of wrenching cycles per charge	✗ -	✗ -	✓ 5000	3.26 kg/OpHr
30.82HKS E <sup>3</sup>	Battery Powered Universal Power Wrench Number of wrenching cycles per charge	✗ -	✗ -	✓ 1000	at least 3.26 kg/OpHr
33.25 E <sup>3</sup>	Battery Powered Spike Driver Number of spikes driven per battery charge	✓ 400	✓ 750	✗ -	-
34.01 E <sup>3</sup>	Battery Powered Clipping machine Clipping time per charge in minutes	✗ -	✗ -	✗ 90	3.26 kg/OpHr
62.20L E <sup>3</sup>	Battery Powered Vertical Tamper Tamping time per charge in minutes	✓ 25	✓ 45	✓* 120	1.32 kg/OpHr
72.01 E <sup>3</sup>	Battery Conversion Kit Number of wrenching cycles per charge 30.82HKS	✗ -	✗ -	✓ 1000	3.26 kg/OpHr
76.20 E <sup>3</sup>	High-Pressure Power Pack Battery Number of stressing operations per charge 24.70 Number of trimming operations per charge 14.10	✓ 7 15-20	✓ 14 28-32	✓* 40 85	2.34 kg/OpHr

All performance data depends on material, rail profile, rail hardness, operator etc.

\* in combination with adapter