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ROBEL E³

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 (800 Wh)



43 V



RODRILL 10.20 E³
Battery Powered Rail Drilling Machine



ROBORE 11.20 E³
Battery Powered Sleeper Drilling Machine



ROSAW 12.20MSB E³
Battery Powered Rail Band Saw



ROMPACT 30.20 E³
Battery Powered Impact Wrench



ROSPIKE 33.25 E³
Battery Powered Spike Driver



ROTAMP 62.20L E³
Battery Powered Vertical Tamper



ROPOWER 76.20 E³
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



ROCLIP 34.02
Modular 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
- Robust aluminium housing

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
- Possibility to read out data (number of charge cycles and battery state of health)
- ROBEL takes back and recycles the batteries

SPECIFICATION	ROBATTERY 71.04	ROBATTERY 71.01	ROBATTERY 71.02
Energy content	144 Wh	800 Wh	2300 Wh
Capacity	8 Ah	18 Ah	46 Ah
Rated voltage	18 V	43 V	50 V
Charging time	1 – 2 h	3 – 4 h	6 – 8 h
Dimensions	135 x 95 x 82 mm	325 x 140 x 150 mm	460 X 370 X 105 mm
Total weight	1 kg	6.3 kg	17.5 kg

Environmental conditions: Service temperature: -20 to +60 °C, Storage temperature: 0 to +23 °C



SPECIFICATION	ROCHARGER 71.14	ROCHARGER 71.11	ROCHARGER 71.12
Battery charger	144 Wh	800 Wh	2300 Wh
Output	80 W	300 W	360 W
Charge termination voltage	21.6 V	50.4 V	58.8 V
Input voltage	100 – 240 V	100 – 240 V	100 – 240 V
Dimensions	155 x 175 x 80 mm	340 x 200 x 140 mm	220 x 90 x 50 mm
Weight	0.55 kg	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 in accordance with ISO 14001 in 2018. This system is continuously being developed in order to fulfil our ecological responsibility.

Environmental protection also includes the proper return of batteries. This means that they can be disposed of by the customer on site in an environmentally compatible manner. In cooperation with our partners, we also will take back your ROBEL-batteries throughout Europe to ensure collecting, sorting, recycling and environmentally compatible disposal of all ROBEL-batteries.

ROBEL Battery Performance Classes & CO₂ Saving

TYPE	DESIGNATION	BATTERY PERFORMANCE CLASS		CO ₂ -SAVING (Compared with a conventional combustion engine)
		800 Wh	2300 Wh	
10.20 E ³	Battery Powered Rail Drilling Machine Number of Drilling operation Ø 32 mm per charge	✓ 70	✓* 200	0.85 kg/OpHr
11.20 E ³	Battery Powered Sleeper Drilling Machine Number of drilling operation ø 18mm per charge	✓ 200	✓* 600	1.32 kg/OpHr
12.20MSB E ³	Battery Powered Rail Band Saw Number of cuts per charge	✓ 22	✗ -	0.85 kg/OpHr
13.45MD E ³	Welding Joint Grinding Machine Grinding time per charge in minutes	✗ -	✓ 60	3.93 kg/OpHr
13.49 E ³	Hybrid Rail Head Profile Grinding Machine Grinding time per charge in minutes	✗ -	✓ 60	4.5 kg/OpHr
13.63	Modular Rail and Switch Grinding Machine Grinding time per charge in minutes	✗ -	✓ 60	3.26 kg/OpHr
13.90 E ³	Electrical Rail Cutter Number of cuts per charge	✗ -	✓ 20	4.21 kg/OpHr
30.20 E ³	Battery Powered Impact Wrenche Number of wrenching cycles per charge	✓ 550	✓* 1600	2.42 kg/OpHr
30.76 E ³	Electric Precision Power Wrench Number of wrenching cycles per charge	✗ -	✓ 5000	3.26 kg/OpHr
30.82HKS E ³	Battery Powered Universal Power Wrench Number of wrenching cycles per charge	✗ -	✓ 1000	3.26 kg/OpHr
33.25 E ³	Battery Powered Spike Driver Number of spikes driven per battery charge	✓ 750	✗ -	1.32 kg/OpHr
34.01 E ³	Battery Powered Clipping machine Clipping time per charge in minutes	✗ -	✗ 90	3.26 kg/OpHr
34.02	Modular Clipping Machine Clipping time per charge in minutes	✗ -	✗ 90	4.5 kg/OpHr
43.25	Hydraulic Rail Lifting Device Number of operating cycles per battery charge	✗ -	✓ 150	3,26 kg/OpHr
62.20L E ³	Battery Powered Vertical Tamper Tamping time per charge in minutes	✓ 45	✓* 120	1.32 kg/OpHr
72.01 E ³	Battery Conversion Kit Number of wrenching cycles per charge 30.82HKS	✗ -	✓ 1000	3.26 kg/OpHr
76.20 E ³	High-Pressure Power Pack Battery Number of stressing operations per charge 24.70 Number of trimming operations per charge 14.10	✓ 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