



RODRILL 10.20 – 7819900011  
ROBATTERY 71.01 (400 Wh) – 7826800002

**Easy, efficient and emission-free rail drilling.**

### THE ADVANTAGES. YOUR BENEFITS.

#### Short drilling times, reliable result

- Drilling time of approx. 12 – 60 seconds, depending on rail type
- Low wear of drill bits thanks to LED display of motor load

#### Easy. Flexible. Ergonomic.

- Light and compact machine
- Ergonomic thanks to low hand-arm vibration
- Rail profile templates can be changed without the use of any tools
- Standard or optional clamping device for use on different rails
- LED for illuminating work area
- Universal drill adapter (Quick Lock and Weldon shank)

- Safety due to immediate stop of drill spindle when operating button is released
- Optional with quick-clamping device – assembly / disassembly in under three seconds. Ideal for use in short possessions or for drilling for signalling equipment.

#### Coolant

- Economical consumption thanks to springloaded valve
- Biologically degradable
- Reservoir with pressure pump

**Optional:** Machine also available with two-hand operation

### SPECIFICATION

Drive	BLDC electric motor
Output	1.6 kW
Max. drilling diameter	40 mm
Number of drilling operations	
Battery 400 Wh	35 drilling operations at 32 mm diameter (*)
Battery 800 Wh	70 drilling operations at 32 mm diameter (*)
Weights	
Rail drilling machine with battery	from 16.3 kg
Battery 400 Wh	3.9 kg
Battery 800 Wh	6.3 kg
Dimensions (L x W x H)	580 x 230 x 370 mm

(\*) Depending on rail profile, rail hardness, drill bit etc.

## ACCESSORIES

7826800002	Battery 400 Wh
7806800004	Battery 800 Wh
7806850001	Charger for battery 400/800 Wh
9000208016	Battery box for battery 800 Wh

### DRILLING IN FLAT BOTTOM RAILS

Two rail profile templates each per rail section are required

8204050100 for 49E1/54E3/60E1

8204050210 for 54E1/54E2

Other variants on request. Please provide details of rail profile and drilling height.

7814103002 Quick-clamping device – assembly/disassembly in under 3 seconds.

### DRILLING IN GROOVED RAILS

Two rail profile templates each per rail section and a special clamping device are required.

9801040089 Clamping device for grooved rails up to RI60

9801040068 2 additional pressure discs (depending on grooved rail)

8204050150 RI60/DH 75 mm/outside

Other variants on request. Please provide details of rail profile and drilling height.

**Core hole drill bits** are used in combination with the cooling pin. With 19 mm Weldon shank, cutting depth 25 mm. Optimal drilling performance for rail web tensile strength up to 900 N/mm<sup>2</sup>.

From Ø 16 mm – Ø 40 mm

9002501657 19 mm

9002501642 30 mm

9002501643 32 mm

9002501654 33 mm

Other diameters available on request.

### Core hole drill bits (Quick Lock)

9002508236 Ø 19 mm

9002508234 Ø 30 mm

9002508235 Ø 32 mm

9002508233 Ø 33 mm

9002501646 Short cooling pin for core hole drill bit (use for flat bottom rail)

9002501655 Long cooling pin + 8203550100 Adapter (depending on profile of grooved rail or conductor rail)

### Twist drill bits

From Ø 7 mm – Ø 15 mm

9820350220 Ø 13 mm

Adapter for twist drill bit Ø 7 mm – Ø 15 mm

9820350130 Ø 13– 15 mm

Other diameters available on request.

9001511073	Coolant, biologically degradable (5-litre canister)
9001511033	Antifreeze concentrate, 5 litres,
9781890120	Transport and storage box made of aluminium with lockable lid and carrying handles.
9801040005	Aluminium coolant and swarf collecting tray

### Multi-hole drilling templates

Precise drilling intervals are achieved by simply inserting the drilling machine into the distance blocks. Distance blocks can be adjusted individually to dimension requested by customer.

The template is applied from the rail end:

8204062001 2-hole

8204062002 3-hole

The template is applied at the continuous rail:

8204062003 4-hole

8204062004 6-hole

If requested, the distance blocks can be adjusted by ROBEL. Please provide details on rail profile and drilling height, as well as the drilling intervals.



Rail profile templates



Quick-clamping device



Clamping device for grooved rails



Drill bit, adapter and coolant ejector pin



Adapter and twist drill bit



Transport box  
Antifreeze concentrate  
Coolant, collecting tray



3-hole drilling template



6-hole drilling template