



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  
 7806800002 Battery 800 Wh  
 7806850001 Charger for battery 400/800 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