RD 22S
Straight forward hydraulic rock drill for surface applications
Hole range 89 - 127 mm (3 ½" - 5")
Straight forward reliability

A new line of rock drills designed for straight forward and reliable operation.

Main benefits

**Durability**: Robust with a straight forward design; delivering the consistent performance associated with Epiroc’s rock drills

**Easy to operate**: Less complex with fewer parts and settings

**Intuitive service**: Intuitive to maintain and overhaul, requiring no custom designed tools

Installation instructions and retrofit support are available upon request.

Repair kit consisting of parts to be replaced during overhaul is available with quick delivery.

All spare parts and wear parts are available, with critical parts always in stock.
Technical specifications

Dimensions and weight
- Weight: 230 kg (507 lb)
- Length: 1 190 mm (3 ft 10.9 inch)
- Height: 297 mm (11.7 inch)
- Width: 286 mm (11.2 inch)

Impact ratings
- Impact power, max: 22 kW (29.5 hp)
- Input power to rock drill, max: 40 kW (53.6 hp)
- Impact frequency: 38 Hz
- Drill pressure: 200 bar (2 900 psi)
- Drill oil flow: 120 l/min (4.2 cfm)

Drilling parameters
- Rod size: T51
- Hole range: 89 - 127 mm (3 ½ - 5 inch)
- Optimum hole dimension: 102 mm (4 inch)

Hose sizes
- Percussion hose: 1 inch
- Drain hose: ½ inch
- Rotation hoses: ½ inch
- Flushing hose: ¼ inch
- Lubrication hose: ¼ inch
- Percussion return hose: 1 inch
- Lubrication return hose: ½ inch

Outline dimensions

Flushing flow and pressure
- Flushing: air or water mist, max: 12 bar (174 psi)
- Lubricating air consumption: 6 l/s at 3 bar (12.7 cfm at 44 psi)

Rotation ratings
- (091) 250 cc
  - Rotation torque, max: 1 522 Nm (1 123 lbf-ft)
  - Rotation speed: 0 - 140 rpm
  - Rotation pressure: 140 bar (2,030 psi)
  - Oil consumption, max: 75 l/min (2.6 cfm)
- (001) 315 cc
  - Rotation torque, max: 1 935 Nm (1 427 lbf-ft)
  - Rotation speed: 0 - 112 rpm
  - Rotation pressure: 140 bar (2,030 psi)
  - Oil consumption, max: 75 l/min (2.6 cfm)

* at drill string

Accumulator charge pressure
- Intake: 80 bar (1 160 psi)
- Return: 2 bar (29 psi)

Shank adapter
- T51
  - Shank adapter: 90029089/437-11904,10
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Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward. Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.
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