



RD930 HYDRAULIC ROCK DRILL

TECHNICAL SPECIFICATION

Sandvik RD930 is a hydraulic top hammer rock drill designed for Surface top hammer rigs. It is capable of drilling \varnothing 115 - 152 mm holes up to 36 meters in depth.

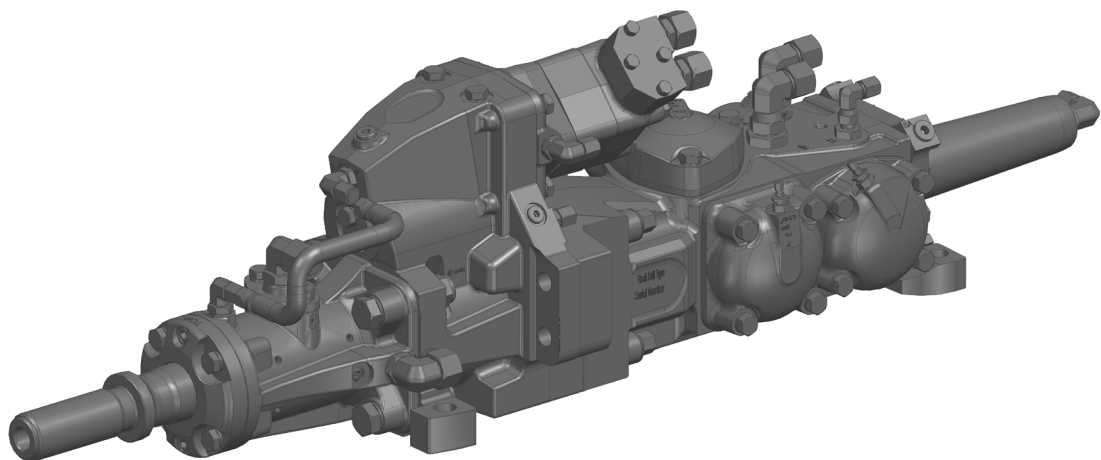
The RD930 is designed and optimized for larger hole sizes. It is a powerful rock drill with a patented new piston design to ensure robustness and good hole quality. The construction of the rock drill is based on three body modules tied together with short side bolts; this ensures minimum number of joint faces and large contact surfaces. The percussion module is simple and reliable in design and consists of only two moving parts – the piston and the distributor sleeve around the piston – all guided by single pilot cylinder, ensuring optimal alignment for parts.

The RD930 is fitted with a drill stabilizer, which is designed to keep the shank adapter in optimal position in relation to the piston; this ensures good rock/bit contact and energy transfer, high penetration rate and rock tool service life.

Power extractor (option) can be used for opening rock tool joints manually or automatically when using one-hole automation. The design of the RD930 is covered by several patents.

KEY FEATURES

Power class	30 kW
Percussion rate	45 Hz
Hole diameter (Types SF) (Types UG)	102, 115, 127, 140 mm (rods) n/a (tubes)
Percussion pressure	Up to 240 bar
Rotation pressure	Up to 120 bar
Rotation motor size	OMT500
Shanks	GT60 (Types SF) Tube only (Types UG)
Drill steel	GT60/R60 (Types SF) Tube only (Types UG)
Power extractor	PE bearing \varnothing 65 mm
Weight	360 kg (with flushing head) 390 kg (with power extractor)



ROTATION MECHANISM

Motor	Orbit type
Motor type	OMT500
Torque (at max speed)	1 750 Nm
Rotation speed	120 rpm
Flow (at max speed)	125 l/min

FLUSHING PRESSURE

Max. pressure (air / water)	15 bar
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ACCUMULATORS

Accumulator gas	Nitrogen N2
High pressure (HP)	50 bar
Low pressure (LP)	4 bar
Filling valve	Vg8 DIN7756

STABILIZER

Max. pressure, adjustable	110 bar
Min. pressure, adjustable	60 bar
Stabilizer accumulator pressure	40 bar
Stabilizer flow	5 ... 10 lpm

SHANK LUBRICATION

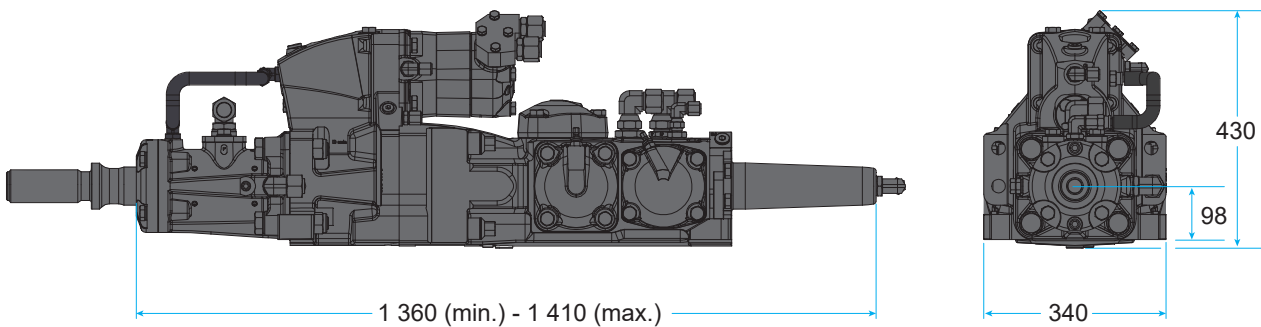
Air flow	0.5 m ³ /min
Pressure	4 bar
Oil consumption	1.5 lpm (CSL) 1000 g/h (SLU)
Oil type	Shell Omala 32/100 (CSL) Shell Air Tool oil 32/100 (SLU)
Shank weight	15 kg

OPTION

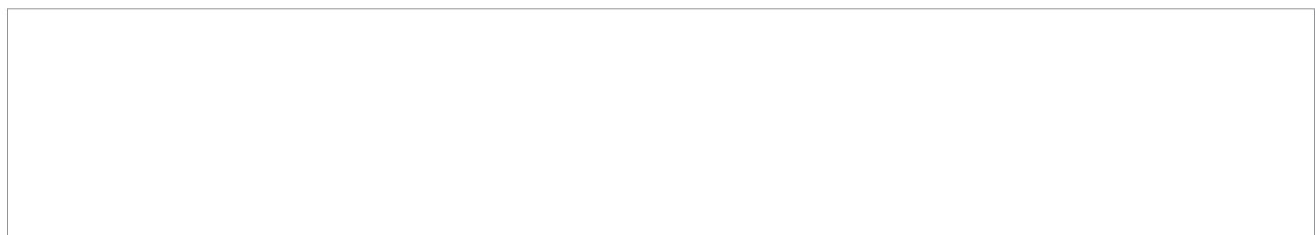
Special tools for RD930 / Complete set	ID: BG00605876
Special tools for RD930 / Field tools set	ID: BG00806766

DIMENSIONS

Lenght, no shank	1 360 mm
Lenght, no shank PE-52	1 370 mm
Lenght, no shank, PE-65	1 410 mm
Max. width	340 mm
Max. height	430 mm
Drilling center height	98 mm



All dimensions in mm



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2. SANDVIK RD930 - HYDRAULIC ROCK DRILL