RD1840C

Hydraulic rock drill

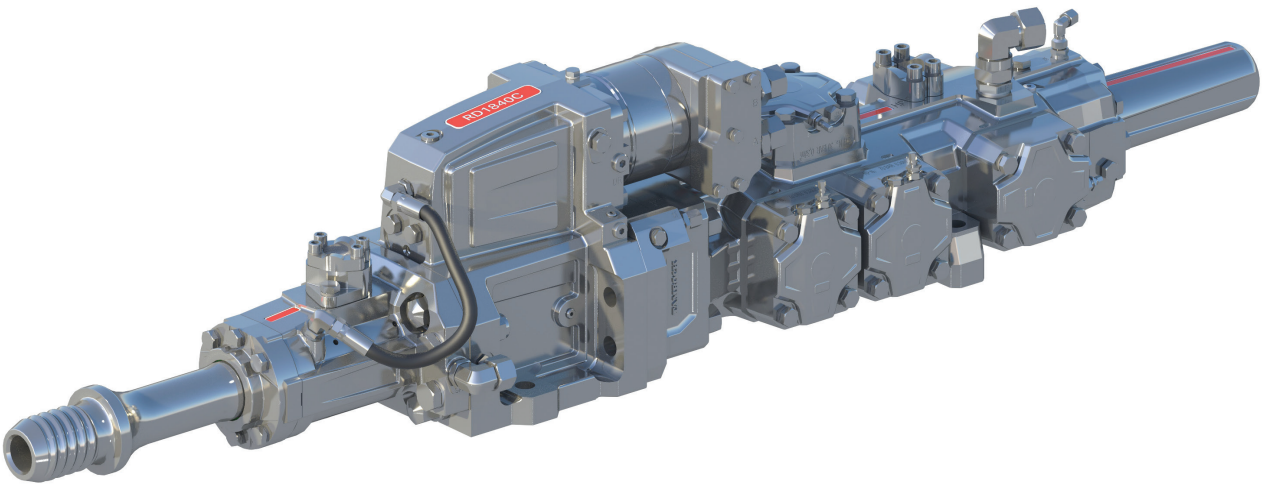
Key features

Hole diameter	140 - 178 mm (5½" - 7")
Power class	49 kW
Percussion rate	39 Hz
Operating pressure Percussion Rotation (max.)	 140 - 280 bar 150 bar (630cc) 110 bar (800cc)
Rotation motor size	630cc 800cc
Drill steels	MF tube LT90, GT60
Shanks	Ø80 mm / LT90 Ø80mm / GT60
Weight	570 kg (1255 lbs)

Sandvik RD1840C is a hydraulic rock drill designed for surface long-hole drilling of Ø 140...178 mm (5½"...7") holes. RD1840C opens new opportunities especially for large hole drilling.

It is equipped with a stabilizer to control contact between the drill bit and rock, ensuring optimal drilling performance and long rock tool service life.

Together with new LT90 rock tools RD1840C enables optimized and more effective drilling, higher penetration rate and improved hole quality.



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Technical drawing

All dimensions in mm

Rotation mechanism

Motor size	630 cc	800 cc
Max. rotation torque	2400 Nm (150 bar)	2400 Nm (110 bar)
Rotation speed	0 - 120 rpm	0 - 90 rpm
Flow (at max. speed)	150 l/min	150 l/min

Flushing pressure

Max. air pressure	10 bar

Shank lubrication

Air flow (at 6 bar)	500 l/min
Pressure	2 bar
Oil flow (circulating)	2 l/min

Oil recommendation

Oil operating temperature	+40°C up to +60°C
Oil recommendation	See Sandvik drill rigs lubricant recommendation for detailed information

Actuator for shank control (stabilizer)

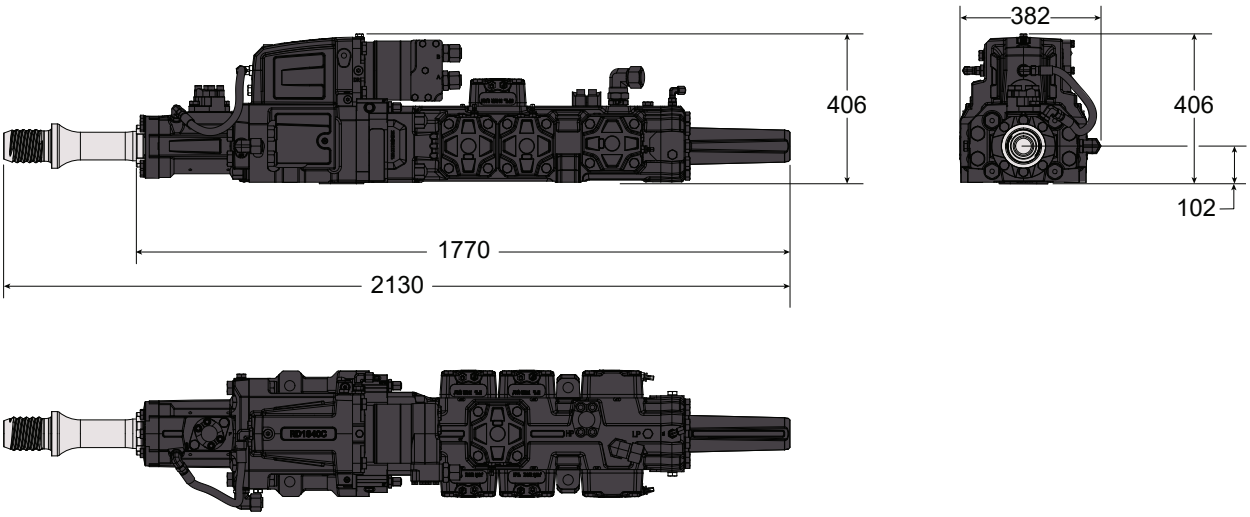
Operating principle	Hydraulic actuator for position control of shank adapter in rock drill, control force adjustable through pressure.
Operating pressure	60 - 130 bar

Accumulators

Accumulator gas	Nitrogen N2
High pressure (HP)	70 bar
Low pressure (LP)	4 bar
Stabilizer (ST)	30 bar
Filling valve	Vg8 DIN7756

Options

Special tools for RD1840C Complete set	BG01313617
Special tools for RD1840C field tool set	55042018



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