

RD1735/RD1735C

Hydraulic rock drill

Key features

Hole diameter drilling	(SF)	(UG)
- Rods	92 - 140 (152*) mm	89 - 127 mm
- Tubes	92 - 140 (152*) mm	89 - 152*mm
Hole length	Up to 33 m (SF)	Up to 54 m (UG)
Power class	35 kW	
Percussion rate	38 Hz	
Operating pressure	90 - 200 bar	
Percussion		
Rotation motor size	OMT400, OMT500	
Drill steels	SF: MF rods and tubes GT60, CT67 UG: MF rods and tubes T51, ST58, ST68, CT67	
Shanks	(SF)	(UG)
	Ø65mm/GT60	Ø65mm / T51
	Ø80mm/GT60, CT67	Ø80mm / ST58, ST68, CT67
Power extractor	(SF)	(UG)
	Ø65 mm / GT60	Ø65 mm / T51
	Ø90 mm / GT60, CT67	Ø90 mm / ST58 - ST68 - CT67
Weight	490 kg with flushing head 520 kg with power extractor 20 kg shank	

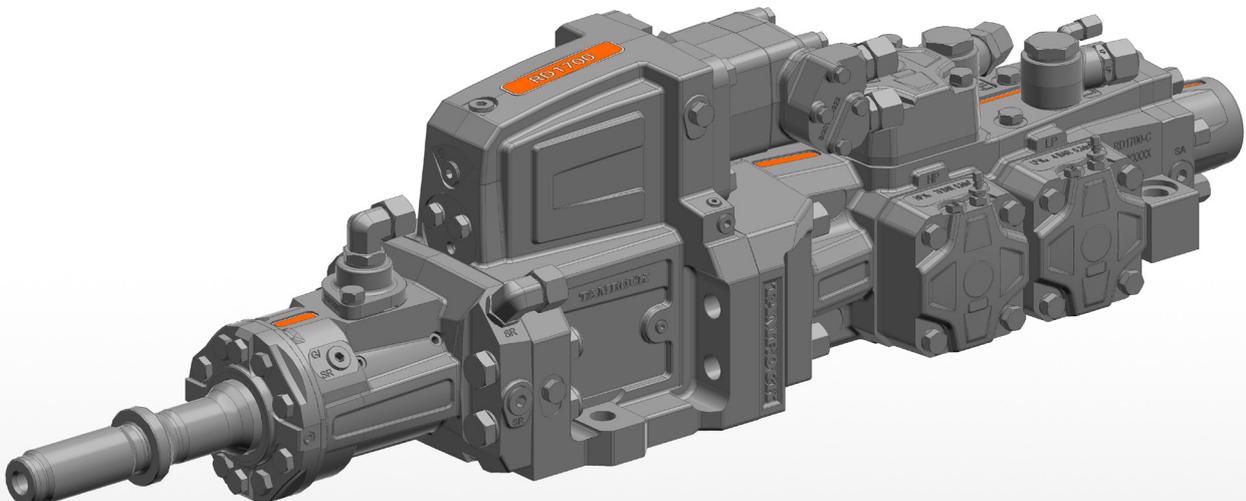
(*) not optimum NPR

RD1700-series rock drills are designed for long-hole drilling in surface and underground applications. It is powerful and robust rock drill for large diameter long hole drilling.

The RD1700-series rock drill design principles are following modern Sandvik high reliability design guide lines with minimal amount of moving parts, solutions for improved serviceability and high strength structures which secure high performance in extreme drilling conditions.

RD1700-series is equipped with new active stabilizer for improved drilling quality and efficiency and lower tools consumption. Optional power extractor is available for opening rock tool joints manually or automatically when using one-hole or fan automation.

RD1700-series is available in three power classes 25kW, 35kW and 40kW drilling power.



Technical drawing

All dimensions in mm

Rotation mechanism

Motor size	OMT 400
Pressure max. (dp)	180 bar
Torque at bit (max.)	2 160 Nm
Rotation speed (bit)	0 - 150 rpm
Flow (at max speed)	125 l/min

Rotation mechanism

Motor size	OMT 500
Pressure max. (dp)	160 bar
Torque at bit (max.)	2 400 Nm
Rotation speed (bit)	0 - 120 rpm
Flow (at max speed)	125 l/min

Shank lubrication

Type of shank lubrication	Circulating shank lubrication (CSL)	Oil mist lubrication (SLU)
Air flow	500 l/min	500 l/min
Air pressure	4 bar	4 bar
Oil consumption	1.5 l/min	1000 g/h (depending on drilling parameters)
Max. oil pressure	20 bar	
Oil type example	Shell Omala 32/100	Shell air tool oil 32/100

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)

Type	Active stabilizer
Operating principle	Hydraulic actuator for position control of shank adapter in rock drill, actively self-adjusting control force.

Accumulators

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

Options

Special tools for RD1735 Complete set	BG01693565
Power extractor	PE-65, PE-90

Dimensions

Length, no shank	1 340 mm
Length, no shank, PE-65	1 358 mm
Length, no shank, PE-90	1 353 mm
Max. width	340 mm
Max. height	430 mm
Drilling center height	98 mm

