ECR 18
Diamond Core Drill Rig

HYUNDAI
EVERDIGM

PRECISION STARTS WITH THE CORE

Purpose-built for mineral exploration drilling, the ECR18 delivers deep-hole performance, reliable core recovery and safer rod handling in demanding jobsite conditions.



DRILLING CAPACITY
2,250 m

POWER UNIT
Cummins diesel engine, 193 kW / 260 hp at 2,200 rpm.
Turbocharged, after-cooled and water-cooled for field reliability.

MAST & FEED SYSTEM
3.5 m feed travel, 69.0 kN thrust and 171.2 kN pull capacity. Drilling angle from 45° to 90°.

ROTARY HEAD
Side-shift head with variable/reversible hydraulic motor,
mechanical 4-speed transmission and oil-bath final drive.

SAFER ROD HANDLING
Hydraulic opened, fail-safe spring closed chuck assembly with 18,144 kg
holding capacity and mechanical fail-safe foot clamp.

WIRELINE HOIST
10.5 kN line pull at bare drum, 115 m/min line speed,
2,300 m cable length for deep core recovery work

MAIN HOIST
117.7 kN line pull capacity at bare drum,
20 mm cable size and 30 m cable length for demanding site operations.

Specification

Web

Youtube

Core drilling performance for demanding exploration programs

As a true core drill rig, the ECR18 is designed to cope with rigorous jobsite conditions while supporting productivity, control and safety throughout drilling operations.

WIRELINE DRILLING CAPACITY

B 2,250 m / 7,382 ft	**N 1,780 m / 5,840 ft**
H 1,180 m / 3,871 ft	**P 800 m / 2,625 ft**

POWER UNIT

Manufacturer	Cummins	
Power	208 kW / 280 hp	
RPM	2,200	
Engine type	Turbocharged diesel	
Cooling	Water	
Emission Level	Tier II	Stage V

ROTARY HEAD

Type	Side-shift head
Motor	Variable / reversible
Transmission	Mechanical, 2 Speed 4 Speed as Optional
Final drive	Gear driven in oil bath
Inside diameter	117 mm / 4 5/8 in
Holding capacity	18,144 kg / 40,000 lb

MAST & FEED SYSTEM

Feed travel	3.5 m / 11.5 ft
Thrust capacity	69.0 kN
Pull capacity	171.2 kN
Drilling angle	45° to 90°
Rod pull length	6 m / 19.7 ft

HOISTS & FOOT CLAMP

Main hoist pull	117.7 kN
Main line speed	40 m/min
Wireline pull	10.5 kN
Wireline speed	115 m/min
Wireline cable	2,300 m
Foot clamp ID	170 mm / 6.7 in

ROTARY SPEED & TORQUE RATING

Gear	Speed	Torque
1st gear	155 ~ 325 rpm	6,202 ~ 2,675 Nm
2nd gear	612 ~ 1,280 rpm	1,574 ~ 679 Nm

WEIGHT & TRANSPORT

Weight	9,000 kg / 19,841 lb - Tier II Engine 9,200 kg / 20,282 lb - Stage V Engine
Top mast folded	5,240 × 2,695 × 2,690 mm

Specifications are based on source technical data. Actual drilling depth depends on in-hole tools, conditions and drilling techniques. Dimensions are approximate and should be checked before crating and lifting.

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