



GIA Q5

Fully hydraulic down-the-hole open-pit drilling rig

Hole diameter range: 90-140mm



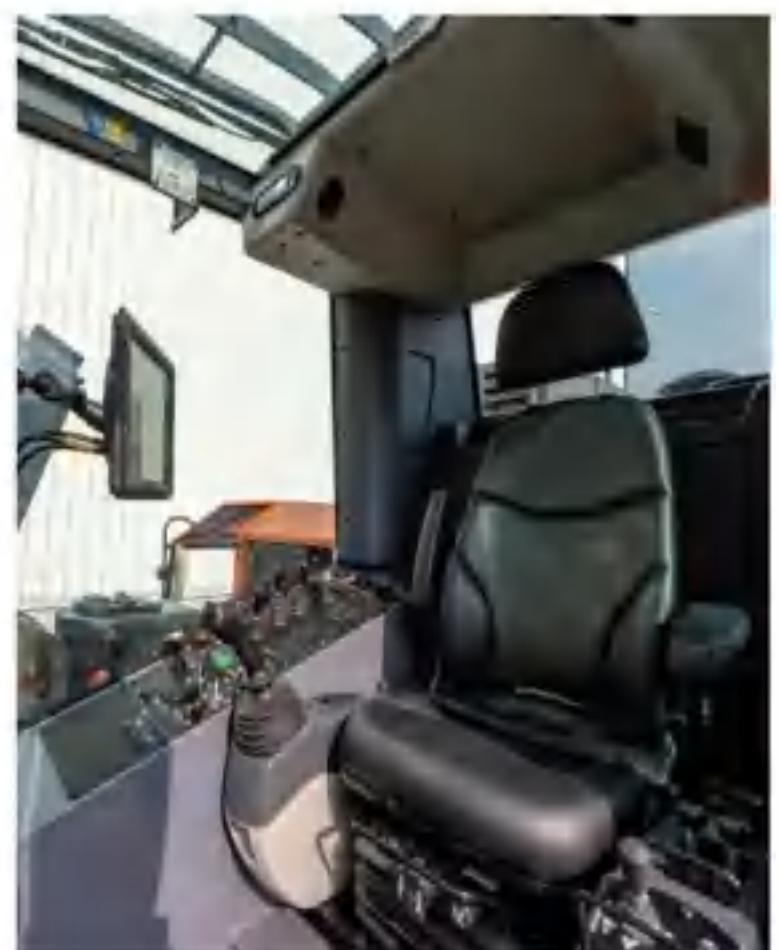
A stable, reliable, powerful, efficient rock drilling tool with a quick return on investment.



+Stable and Reliable

The GIA 05 fully hydraulic open-pit down-the-hole cobalt drill inherits Epiroc's advanced rock drilling technology and, combined with the needs of the Chinese customer market, has been further improved and upgraded based on Epiroc's stable, classic, and time-tested design.

- The time-tested Epiroc technology shared platform design concept delivers consistently stable performance.
- The proven enhanced structural platform provides a longer service life



+Powerful and Efficient

The Q5 prioritizes cost-effectiveness in its design, ensuring high drilling efficiency while maintaining high safety and low fuel consumption.

Equipped with a powerful engine, a two-stage screw air compressor, and a high-torque dual-motor rotary head, this drill is a powerful tool for rock drilling in hole diameters of 90mm-140mm.

- Equipped with a 220KW National IV engine
- Equipped with a 16m³/min 21bar two-stage screw air compressor
- Utilizes a high-torque dual-motor rotary head
- Employs an energy-saving variable pump hydraulic system



+Safety and Environmental Protection

- Rollover-proof and rockfall-proof certified cab provides a safe operating environment for operators.
- Excellent visibility and well-placed control handles enhance ease of operation and comfort.
- Movable dust hood with retractable lower clamping plates provides effective dust suppression, creating a clean operating environment and effectively protecting the surrounding environment.



+Convenient Maintenance

- Centralized maintenance and repair platforms are located on both sides of the cobalt unit, allowing service personnel to easily access almost all maintenance and repair points from the ground.
- The screen integrates circuit diagnostic functions, and the piping layout is clear and neat, facilitating troubleshooting and diagnosis.

Main applications	Limestone, aggregate mines, open-pit mines	Perforation Methods	DTH	Recommended impactor	3.5", 4", 5"
Drill string specifications	89mm×4m, 64mm or 76mm×4m()	Applicable Hole Diameters	90mm-140mm	Standard	140mm
Maximum hole depth	28.3m	Shipping dimensions	H3450 x L9250 x W2500 mm	Weight	15300 kg

Engine

Euro IV engine	
Output power	220.4kW(295.6hp)

Air compressor

Two-stage screw air compressor	
Maximum working pressure	21bar
Air volume output	16m ³ /min @ 21bar

Rotary Structure

Dual Motor Upgraded Rotary Head	
Model Name	DRU5
Speed Rotation Speed	128 rpm
Maximum Torque	3400 Nm

Propulsion system

Hydraulic motor-driven chain propulsion beam	
Rod storage capacity	6 rod storage devices, 1 power head
Propulsion force	12kN
Pulling force	23kN

Tracked walking system

Features mechanical traction function	
Traveling speed (multi-level adjustable)	15 - 4.0 km/h
Climbing ability	>20°
Ground clearance	350 mm
Pitch angle	±10°

Cab

121-inch display screen, capable of integrating production and system data	
Certified with Rollover Protection System (ROPS) and Falling Object Protection	
System (FOPS), equipped with heating and cooling air conditioning	
Mining-specific PLC controller	
Movable dust collection hood	
Noise level below 80 decibels	

Dust collection device

Filtration area	22.5m ²
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