

Atlas Copco Surface drill rigs
SmartROC D65



Revolutionize your mining operation with us

Hole Diameter: 110–203 mm (4 ⁵/₁₆ – 8")

Sustainable Productivity

Atlas Copco

The mining mastermind. Brilliant and built to last.

Surface mining equipment from Atlas Copco has a rock-solid reputation for productivity and dependability. The SmartROC D65 DTH mining rig is designed with leading-edge automation technology and uses both brains and power to drill production blast, pre-split and buffer holes. This is the future of open pit mining.

Main benefits

- **Supports** your ambitions in the total mining process
- **Maximizes** your drilling time
- **Boosts** operator productivity

An extraordinary part for an extraordinary rig

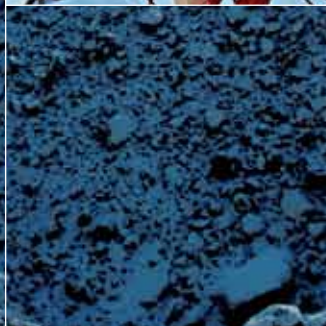
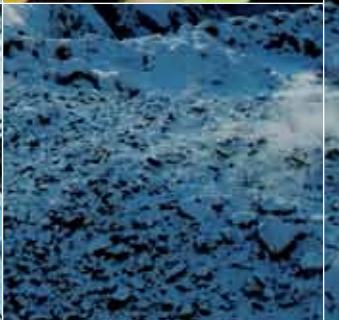
The SmartROC D65 shares its powerful drilling capacity and versatility with Atlas Copco's popular ROC L8 rig, yet the addition of a computerized brain in the SmartROC D65 empowers it with the capability and intelligence to reach new levels of excellence, making it the mining crawler of the future. The SmartROC D65 will help you unearth greater productivity and revolutionize the workplace.

Minimize your non-drilling time

The Hole Navigation System (HNS) is the intelligent option that permits a faster setup so you can get right down to effective, high-precision drilling in any weather conditions. Shrink your production costs by optimizing drilling and blasting, improving fragmentation and reducing the quantity of explosives needed. HNS removes the need to manually mark and survey hole positions. This greatly improves both efficiency and safety on the bench.

Great control and planning

The operation of your SmartROC can be integrated with other systems based on the International Rock Excavation Data Exchange Standard (IREDES) file format. By integrating with planning and fleet management tools, you achieve greater control of your operation. The rig reports back to you in the form of log files. The easy-to-use ROC Manager application helps you manage these log files and consolidate data from multiple rigs.

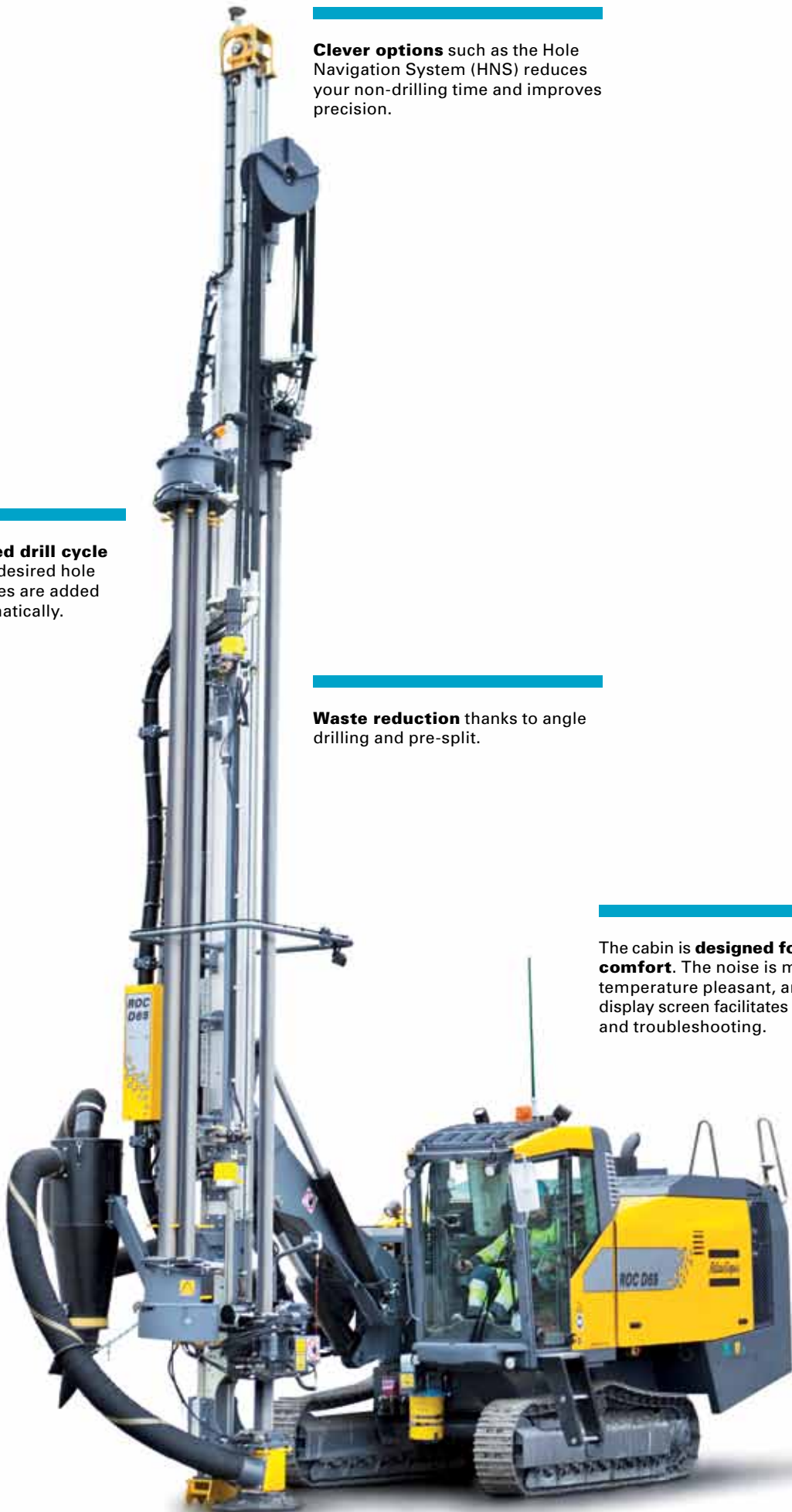


Clever options such as the Hole Navigation System (HNS) reduces your non-drilling time and improves precision.

The **fully-automated drill cycle** allows you to reach desired hole depth while drill tubes are added and extracted automatically.

Waste reduction thanks to angle drilling and pre-split.

The cabin is **designed for operator comfort**. The noise is minimal, the temperature pleasant, and a colour display screen facilitates surveillance and troubleshooting.





A rig that drills on its own

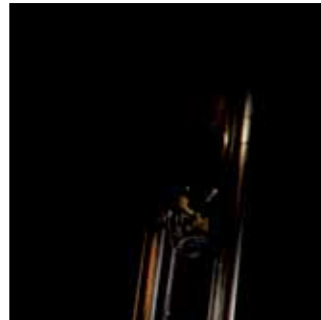
The SmartROC D65 drills the hole on its own, as rods are added and extracted automatically to reach the desired depth. This relieves the operator of this tedious task and frees time for other assignments like preparing materials on the bench while the rig completes the hole by itself. The fully-automated drill cycle manages consumables in a consistent, careful manner to minimize wear and the risk of potential breakdowns.

Consistent drilling control

The SmartROC D65 senses the drilling environment and automatically adjusts its output to precisely match the task at hand. Features such as anti-jam detection, adjustable collaring speed and precise threading make for consistent handling of drill consumables through the whole drilling cycle. The rig conserves its power wisely for smooth and more consistent drilling.

Built to connect and cooperate

SmartROC D65 shares its intelligent SmartROC platform with all rigs in the SmartROC family and also with the Atlas Copco PitViper series. The latest PitViper is the PV 235 – a track-mounted, multi-pass rotary or DTH drill rig with hydraulic top head drive for drilling blast holes. The SmartROC D65 and PitViper 235 share technology and information to more efficiently complete comprehensive projects.



Self-diagnostic capabilities

This rig is a dependable, low-maintenance co-worker on the bench. By minimizing the number of hoses and hose meters, the SmartROC is more easily maintained and less prone to leakage, making it more reliable and environmentally friendly. The rig also features efficient trouble shooting through intelligent sensory and self-diagnostic capabilities.

Operational comfort

The operator can monitor progress from the comfortable cabin. With no pipework and gauges in the cabin, the operator enjoys a more ergonomic, spacious dry cabin, in which both noise and the risk of oil leakage are minimized. The control gauges and instruments common in conventional rigs are replaced by a display unit, maximizing the operator's work space and field of view.

Always fit for work

Even the finest equipment requires regular service to ensure optimal performance. Atlas Copco provides service solutions to safeguard the optimized relation between productivity, availability and operational cost. Atlas Copco Construction and Mining Technique has over 2700 technicians spread in over 60 countries. By combining the usage of Atlas Copco genuine parts with service made by a certified Atlas Copco technician, you have a winning combination no matter of where in the world you operate.

Superior consumables

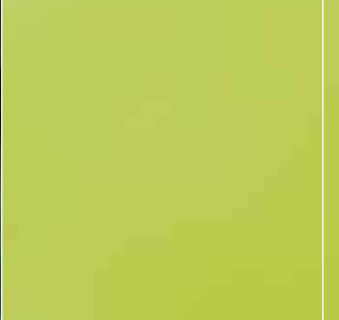
The SmartROC D65 can be equipped with a range of Atlas Copco down-the-hole (DTH) hammers well known for their high performance in terms of speed, reliability and longevity. With higher penetration rates and lower fuel consumption per metre drilled, our DTH hammers make a positive impact on your bottom line.

Financing solutions

The mission of Atlas Copco Customer Finance, a subsidiary of the Atlas Copco Group, is to help you find the most suitable financing options for the equipment you require. We offer a wide range of financing alternatives. Alternatives include leasing, hire purchase, supplier credit and various types of project financing. We have vast knowledge of equipment, financing and the industry at large and have provided financing solutions to customers in more than 60 countries since 1999.

More ground-breaking features ahead

At Atlas Copco, we are continuously innovating to improve your productivity. Additional options for the SmartROC will be available in the future. Revolutionize your mining operation with us.





Quick facts

Main application areas:

Limestone quarries, Construction
 Selective mining, Aggregate quarries
 Open pit mining

Drilling method:

Down-the-hole

Hammer size:

COP 44, COP 54, COP 64

Pipe size:

89 (31/2"), 102 (4")
 114 (4 1/2"), 127 (5"), 140 (5 1/2")

Hole diameter:

110 mm (4 5/16") 203 mm (8")

Maximum hole depth:

89-114 mm tubes 54 m
 127-140 mm tubes 30 m

Engine power:

Rating at 1800 rpm
 402 kw (539 hp)

Available air flow (fad):

470 l/s (995 cfm) @ 30 bar