



# Atlas down-the-hole drill operation video tutorial

How long did it take to drill a 12,000 ft hole?

The original estimate for completion of a 12,000-foot hole was 30 days using the conventional rotary technique, which was reduced to 13 days using the DTH method. Before DTH was used, drillers would typically case the vertical portion of the well and convert to rotary drilling to drill at a tangent.

What is down-the-hole (DTH) drilling?

Down-the-hole (DTH) drilling has made it easier for contractors to drill wells faster and more efficiently, and to transition from dirt boring to rock boring just by adding a compressor and hammer to the drill bit.

How does DTH drilling work?

With DTH drilling, contractors can change the drill that they were using for the current directional bore to a rock drill when they encounter rock by connecting the drill with a compressor and a steerable hammer. Well drilling also needed changes to be made to rotary drilling when the well needed to take a turn.

How does the Atlas Copco track rig work?

It is a simple one-man operated rig, easy to operate and easy to maintain. The tramming controls are located beside the left track, and both tramming and drilling are powered by air motors. AirROC D35 Atlas Copco Track Drills: product details, specs, related news, and videos.

What is a DTH directional drill?

The DTH system is easy and quick to adapt to a directional drill and is considered one of the best and most effective methods to drill high-quality holes that are stable and straight. It can be done on both hard and soft rock and is extensively used in the construction, oil and gas, and water well industries.

How fast can you drill a well with DTH?

With DTH, it was now possible to turn 2-4 degree curves and drill the well's tangent up to 30 degrees or greater averaging 300 feet per hour, where rotary drilling would progress 30-40 feet per hour.

Down-the-hole (DTH) drilling has made it easier for contractors to drill wells faster and more efficiently, and to transition from dirt boring to rock boring just by adding a ...

1. Preparation Equipment inspection: Before starting, check that all components of the down-the-hole drill are in good condition, particularly essential parts...

Down-the-hole (DTH) drilling has made it easier for contractors to drill wells faster and more efficiently, and to transition from dirt boring to rock ...



# Atlas down-the-hole drill operation video tutorial

Open Air Down The Hole Drill Carriage, Borehole Drill Rig Crawler Drilling Rig, blast drilling rig  
Hole diameter: 105-165mm  
Economic Drill depth: 25m  
Air pressure...

How Borewell Machine DTH (Down The Hole Drilling) Rigs Works - 3D Animation  
----- Learn Advance 3D...

This is one of the best drilling 101 videos showing you drilling process from the beginning phase to plug and abandonment phase. Not only ...

Learn expert tips on deep hole drilling! Discover the right techniques, challenges, and safety measures for precision and efficiency.

Atlas Copco DTH hammer technical manual. Models covered by this manual: QL40 QL45 QL50 QL55 QL60 QL65 QL70 QL80 QL120 QL200  
CONTENTS: ...

A Down-the-Hole (DTH) hammer is a drilling tool that operates at the bottom of a drill string, using compressed air to power a piston and deliver high-impact energy, enabling ...

DTH hammer is used for drilling holes through a wide range of rock types, the variety of which continues to extend well beyond the original conception of early blast hole drilling. Down-the ...

Introduction General info The down-the-hole hammer is a percussion hammer drill. The hammer works down the hole at the end of the drill string, where the impact piston strikes the drill bit ...

Congratulations to the entire team for successfully drilling over two miles in just 48 hours for our client! By leveraging our Atlas motor alongside the Baker Hughes Lucida RSS, the team ...

A down-the-hole drill is a powerful rig. Its percussion mechanism works inside the hole, using compressed air to break rock and clear debris for efficient drilling...

PowerROC D55, a reliable down-the-hole drill rig, is equipped with a range of Epiroc down-the-hole hammers for high performance. Proven Epiroc technology provides this rig with high ...

Power and productivity ROC L625 and L630 are high-capacity down-the-hole crawler drills primarily designed for quarry blast hole drilling in virtually all types of rock formations for ...

Down-the-hole drills have the advantages of efficient drilling, strong adaptability, compact structure, easy operation, energy saving and environmental protection...

PowerROC D60, a hydraulic down-the-hole drill rig, perfectly meets the needs of open-pit mines and quarries



# Atlas down-the-hole drill operation video tutorial

when it comes to drilling big holes. With the well ...

AirROC D35 is our smallest crawler mounted, down the hole pneumatic drill rig, and is ideal for work in confined areas. It is a fully mechanized, self propelled, ...

**ABSTRACT** The safe and efficient drilling of overburden (fills and natural soils) and rock is integral to many specialty geotechnical construction techniques. The state of practice for overburden ...

DTH drilling rigs use impactors and drill bits that are submerged into the bottom of the hole to impact and crush the rock. Therefore, they are called down t...

DTH drilling, also known as Down-the-Hole drilling, is a method used to drill boreholes into the earth's surface. This technique involves a hammer that is ...

Rotary was considered the only technique to use for "turning the hole" until 2012, when directional drilling crews in the Marcellus Shale region of the United States successfully began using the ...

The history of the down-the-hole hammer manufacturing goes back more than four decades. For the past 40 years and still today, our goal is to produce the ...



# Atlas down-the-hole drill operation video tutorial