



Video playback of down-the-hole drilling rig on the shelf

What is a DTH drill rig?

A down-the-hole drill, usually called DTH Drilling Rig, is basically a mini jackhammer screwed on the bottom of a drill string. The speedy hammer activity breaks hard stone into little flakes and dust and can be dismissed evident by the air exhaust in the DTH hammer.

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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 a DTH drill work?

DTH equipment consists of a drilling hammer and a piston powered by compressed air. As the drill string rotates, the drilling hammer strikes down on the rock. The drill bit receives its striking power from a piston inside the hammer that is powered by compressed air.

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.

How does a drill work?

This action along with the rotational movement of the drill string crushes the rock efficiently. Since the piston strikes directly on the bit, energy transfer takes place down the hole with minimum loss of energy, allowing drilling to greater depths. The driving medium i.e. compressed air is also the flushing medium.

In this video, we showcase the power of Down-the-Hole (DTH) drilling technology, a widely used method in both mining and construction for drilling deep holes...

DTH (Down-the-Hole) drilling is a powerful method widely used in both mining and construction for drilling deep holes into tough materials like rock and concrete.

Explore the efficiency and precision of Down-the-Hole (DTH) hammers in modern drilling applications. Learn about their mechanism, key components, advantages, and diverse ...



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Down-the-hole drilling pipes Down-the-hole drilling pipes are engineered with cold-drawn seamless tubing material N80 to ensure straightness, thickness and high strength for a ...

The document discusses Down-The-Hole (DTH) drilling. DTH drilling involves a mini jackhammer located behind the drill bit that breaks rock into small pieces. It is a fast way to drill hard rock ...

Down-the-Hole (DTH) drilling is a technique used to create deep, precise holes in hard rock and challenging ground conditions. In this method, ...

The SWDR series is surface down-the-hole drilling rigs which have a drilling diameter of 105-203mm and a max drilling depth of 30m. Drilling range 138mm-180...

Down-the-hole drilling (DTH) essentially involves a drilling hammer at the bottom of a drill string. It relies on three elements for drilling holes: bit loading ...

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Rock Drilling There are three methods of rock drilling for production holes: Rotary high rotational speed, low torque and thrust low ...

With a focus on the specific processes involved in geothermal drilling, geotechnical drilling, and water well drilling, these drilling videos enable you to see the differences between the various drilling rigs offered by SIMCO.

How Borewell Machine DTH (Down The Hole Drilling) Rigs Works - 3D Animation
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How to drill with a down the hole hammer (DTH) on drills and rigs ? Down the hole hammer on drills and rigs
Forage au marteau fond de trou by Drill i If playback doesn't begin shortly, try ...

This detailed 3D animation by Industrial3D visualizes the inner workings of a typical downhole drilling or oilfield drilling operation, from surface equipmen...

When it comes to drilling techniques, down the hole drilling has been gaining popularity for its efficiency and precision. This method involves using a ...

How Borewell Machine DTH (Down The Hole Drilling) Rigs Works - 3D Animation today's modern borewell dth (down the hole) drilling rig machines can drill up to 2500 meters and their compressor ...

When it comes to drilling techniques, down the hole drilling has been gaining popularity for its efficiency and precision. This method involves using a hammer to drill through rock formations, ...

Shelf Drilling fleet consists of 35 jack-up rigs. For further information and enquiries on our rigs and their availability, please email marketing@shelfdrilling

Web: <https://kwa-andries.co.za>



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