



Full video collection of down-the-hole drill rig tutorials

What is down-the-hole drilling?

Down-the-hole (DTH) drilling is a method used to drill boreholes in hard rock formations for various applications such as mining, construction, and quarrying. This technique involves a down-the-hole drilling machine that uses a down-the-hole hammer to deliver powerful blows to the rock surface, resulting in efficient and precise drilling.

How does a down-the-hole drill work?

In down-the-hole drilling a drill rod is fitted with a hammer at its lower end. The hammer, which is mounted on the drill bit, is activated through the addition of compressed air and driven into the ground - simultaneously rotating and impacting. A flushing current collects the loosened drill cuttings and conveys them upwards.

What is down the hole hammer drilling?

Down the hole hammer drilling also offers the advantage of faster penetration rates, allowing for quicker completion of drilling projects. This increased speed can lead to significant cost savings for companies, as less time spent on drilling means reduced labor costs and improved overall efficiency.

How does a rotary drilling rig work?

A rotary drilling rig, type LB 20, working with down-the-hole hammer inside a casing. A flushing current conveys the loosened drill cuttings upwards and exits at the upper end of the casing. If you have any further questions, please contact our local sales or service team.

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 are the advantages of down-the-hole (DTH) drilling?

Down-the-hole (DTH) drilling offers a range of advantages that make it a popular choice in the mining and construction industries. From efficiency to reliability, DTH drilling has proven to be a game-changer in various applications. One of the key advantages of down-the-hole (DTH) drilling is its efficiency in hammer piling.

RC, or reverse circulation, drilling is a tried and true drilling method in certain circumstances. Drillers usually use it on large-diameter holes ...

Watch this step-by-step DHD video full of tips on proper drilling techniques, best practices for deep hole drilling speeds and feeds, and other valuable safety guidelines for your machine shop.



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The construction process of various down-the-hole drill rig models, from basic operations to handling complex working conditions, records the efficient drill...

Rigging up the well consists of taking the rig modules from the trucks and assembling the rig. Included in the rigging up process is setting-up all of the ...

Discover the power of down the hole drilling technology featuring superior performance in hard rock, enhanced accuracy, and advanced automation capabilities for efficient and precise ...

The small down the hole drilling rig offers hybrid motor-air performance, designed for efficient rock drilling in tight or steep areas. Click!

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

In down-the-hole drilling a drill rod is fitted with a hammer at its lower end. The hammer, which is mounted on the drill bit, is activated through the addition of ...

1. Using its single power to drive the screw air compressor and drilling rig hydraulic system at the same time, compared with the separated DTH drilling ...

When you need depth, power, and durability, our Hydraulic DTH (Down-The-Hole) Drill Rig delivers. Built for hard rock formations, it combines advanced hydraulics with a heavy-duty hammer system to ...

DTH rig machine, down-the-hole drilling rig, is a powerhouse drilling tool designed for deep, accurate, and efficient boring in demanding environments. Ideal for mining exploration, quarry ...

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Drilling rigs designed for drilling and blasting applications in quarries and open pit mining. Also for construction applications, foundation drilling and water well drilling. Able to drill vertical or ...

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 ...

A down-the-hole drill, usually called DTH Drilling Rig, is basically a mini jackhammer screwed on the



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bottom of a drill string. The speedy hammer ...

1. Using its single power to drive the screw air compressor and drilling rig hydraulic system at the same time, compared with the separated DTH drilling rig, the comprehensive fuel consumption ...

On one project, a Berminghammer VTL System and drill out-performed a dedicated "drilling-rig" by 5 to 1. Ber-mingham personnel specialize in the rig-up and rig-down of our VTL Sys-tems and ...

The Tunneling Company's down the hole (DTH) boring system is the world's first purpose-built horizontal DTH drilling solution. This robust and cost effective system can tackle challenging soil ...

The down the hole drilling rig is an efficient drilling equipment that uses an impactor and a drill bit to work together. It can quickly penetrate hard rock layers and is widely used in mining ...

This is one of excellent training video demonstrating the drilling process from start at surface casing to completing of the well in less than 7 ...

This high-energy video, immersive at the construction site, showcases a hydraulic down-the-hole drill rig accurately positioning holes and installing anchor bolts during slope anchoring ...

The KG726III/KG726HIII down the hole drill rig for open use is an improved device in compliance with national regulations on environmental protection. Equipped with the Yuchai engine, the ...

This high-energy video, immersive at the construction site, showcases a hydraulic down-the-hole drill rig accurately positioning holes and installing anchor bolts during slope anchoring operations ...

This split down-the-hole drill is mainly targeted at various mines such as quarries, cement mines, and open-pit coal mines. It is equipped with a 4-inch impa...

Down the hole drilling rig is a specialized piece of equipment designed to drill deep holes into the earth's surface. DTH drilling utilizes a hammer mechanism that delivers powerful, rapid blows ...

Discover the benefits of large-diameter DTH hammer drilling technology. Achieve efficient, precise, and sustainable deep hole drilling for mining and construction projects.

DTH drilling rig, short for Down-The-Hole drilling rig, is a cornerstone of modern drilling technology. Renowned for its efficiency, precision, and versatility, this equipment has ...

Discover the impact of Down the Hole Hammers (DTH hammers) in urban redevelopment projects. Learn how these specialized tools enable ...



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The HFKT7D integrated down the hole drill rig for open use is an advanced drilling device integrating the down the hole drilling system and screw air compressor system, It is capable of ...

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