

# How to remove the rod of the down-the-hole drill rig video

How do you handle a drill rig?

Prevent Jarring of Hands or Elbows Induction and training on drill rig from Drillers and Senior Offsiders. Wear hand protection when handling rods due to sharp edges. Keep hauling plug splinter free by carefully filing any sharp parts and replacing winch line if in poor condition. Ensure lifting is shared by 2 persons

How do you drill a rock with a DTH hammer?

This method is mainly applied for hard to very hard rock and/or for penetrating large boulders. 1. Setting the DTH hammer with drill rod and casing on the drilling point. 2. Rotary and percussive drilling of the drill string under compressed air supply. 3. After reaching the final depth, unlocking of the drill rod with DTH hammer and pilot bit.

How do you loosen a drill rod?

Loosening stage: after clamping the two drill rods, drive the unloading rod cylinder to rotate the upper and lower clamping cylinders relative to each other by a certain angle to loosen the threaded connection between the two drill rods.

What is a down-the-hole drilling method?

The video shows the down-the-hole drilling method for very hard soil or rock. 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.

How do you remove a drillstring from a rig?

Pull the drillstring out of the hole. This is done using the drawworks, which is a winch that is powered by the rig's engines. Lay down the drillstring on the rig floor. The drillstring is typically laid down in stands, which are sections of pipe that are connected together. Inspect the drillstring for damage.

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.

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 ...

One common issue that often pops up is how to remove an integral drill rod. It might seem like a straightforward task, but there are actually quite a few things to keep in mind to do it safely and ...



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For wireline drilling, due to it is double tube core barrel, it only needs to take inner tube of core barrel out of drilling string and keep the wireline drill rod in the hole by clamp or ...

We have seen down-the-hole products being used in different applications all over the world. We can assist, not only with the complete drill string, but also with ...

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 ...

The rig must be flushed with water at least once a day since it is important to remove drill cuttings, mud and dirt. The feeder, front part of the boom and crawler tracks are particularly important to ...

Down The Hole (DTH) Drill Rods available in various threads, lengths, and diameters. Speak to our drilling experts for the perfect DTH rods for your rig.

An integrated down the hole drilling machine, also known as a one-piece drill rig, or crawler DTH drilling rig is a powerful and versatile machine used in the ...

The KT25 integrated down the hole drill rig for open use can drilling vertical, inclined and horizontal holes, mainly used for open-pit mine, stonework blast holes and pre-splitting holes, It is driven ...

How to change the drill rod for integrated drilling rig during working Zhengzhou Kaishan Mechanical & Electrical Equipment Co., Ltd. Add: No. 169 Nanyang Road, Hu...

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 ...

It is a good idea when connecting a hammer to a drill string to cover the connection to the hammer and blow high-pressure air and water through the drill string for several seconds to ...

The components of a drill rig are (1) the rig itself, which supplies the power to mobilize, drill rock, and remove the drill cuttings from the hole; (2) the mounting; (3) the drill steels or drill string; ...

With a top hammer, the drill rods are rotated and percussed by the drill head on the rig. With a direct circulation down-the-hole hammer, the (larger diameter) drill rods are only rotated by the ...

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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 ...

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 ...

Alternatively, remove the drill and stand, and screw a rod of 1 1/4"UNC and a couple of nuts in to the barrel hole. Lock the 1 1/4"UNC nuts together so the ...

For optimum hole cleaning, the outside diameter of the drill pipe must be balanced with the hole size and air compressor. All actual drilling is done by the drill bit and choosing the ...

A "down the hole" (DTH) drill is f drilling equipment used in mining, construction, and exploration activities. It is specifically designed for drilling large-diameter ...

Down the hole (DTH) drilling rig is the equipment that the impactor dives into the hole and directly impacts the drill bit, while the rotary machine drives the ...

Nothing is as discouraging as becoming "stuck in the hole" for any offshore drilling project, still it is not uncommon on any drilling rig. Many potential reasons can ...

A down-the-hole drill, usually called DTH by most professionals, is basically a jackhammer screwed on the bottom of a drill string. The fast hammer action breaks hard rock into small ...

Drill rod sizes for Down-The-Hole (DTH) drilling vary depending on the application, drilling depth, rock hardness, and the type of DTH hammer ...

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

The business of horizontal drilling poses many risks, and unanticipated problems can cause completion deadlines to be missed or even prevent a job from ...

Pulling the drillstring from the hole is a critical operation that must be performed carefully and safely. By following the proper procedures and taking into account the factors ...

Rod connection and removal are crucial aspects of down-the-hole drill operations, directly impacting overall work efficiency and the service life of rock drilling tools.

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 ...



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Reverse Circulation (RC) drill rods are essentially two drill rods of different diameter with the smaller drill rod contained inside the large one. The high pressure air is passed down the ...

Application of this Standard Operating Procedure This procedure is to be used when:- Removing and adding drill rod during RC drilling operations. od contained inside the large one. The high ...

Pulling the drillstring from the hole, also known as tripping out, is a process that is performed during drilling operations to remove the drillstring from the wellbore. This may be ...

A reamer is attached to the drill string from the exit hole and pulled through the pilot toward the drill rig to widen the hole. Depending on the size ...

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