



# Down-the-hole drill installation video tutorial

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 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 (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 do I use the DHD (down hole drill)?

The DHD (Down Hole Drill) is used to drill overburden and rock. Casing bits and reamers are used to drill the initial holes to install casing and to provide an annulus for grouting. For using a stabilizer, follow these instructions: 1.

How do I use the drill down technique?

Work together using the Drill Down technique to separate your complex problem into smaller units, which can be solved appropriately as you uncover the factors contributing to the problem. Here are some ideas that can be pursued on the job, with some coordination. Use these reflective questions to gain more from your learning experience:

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.

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precise hole drilling, correct tool usage, and strike plate alignment ...

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The borewell drilling procedure using a hammer drill, specifically the Down-the-Hole (DTH) hammer drilling method, is one of the most common techniques for drilling ...

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

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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 ...

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A vise, on the other hand, can hold your materials firmly in place, allowing for more accurate and controlled drill press operations. So, let's get down to business. Mounting a vise ...

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A specialist heavy duty drill "string" is lowered into a steel tube or outer casing. Once drilling starts, the Odex drill bit quickly cuts ahead of the steel casing ...

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