



# Platform down-the-hole drill rig

What is a DTH drilling rig?

This mining equipment is designed with DTH hammer to impact and fracture rock, ensuring high drilling speed. 360°; (°;177;180°;) rotation provides large drilling coverage, and the drilling depth can reach up to 100m. What's more, the DTH drilling rig can be expandable to drill holes for radial cable bolting, and also for shaft drilling.

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.

What is a down-the-hole drill?

A down-the-hole drill, usually called DTH, is basically a mini jackhammer screwed on the bottom of a drill string.

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.

What is KQTG-150 down-the-hole drilling Drig?

KQTG-150 Down-The-Hole drilling drig offers excellent fuel efficiency, improved safety and higher productivity in challenging rock conditions, which is used for production drilling applications in surface mining, as well as large-scale quarry applications.

How deep can a drill rig Drill a hole?

Designed to drill clean holes of 6-1/2 inch (165mm) to 8 inch (203mm) diameter to a maximum depth of 175 ft (53.3m) using 25 ft (7.6m) long rods and 120 ft (36.5m) using 30 ft (9m) long rods. REL'S DTH Drilling Rig - Manufacturers of Down the Hole Drills for Mining, Quarrying & Construction.

The flushing drill fluid rises inside the drill rod and brings the drill cuttings to the surface. This technique can be used for soil or rock drilling. Down-the-Hole Drilling For very hard rock or to ...

Key benefits Highly efficient drilling The Pit Viper 271 is one of the most productive drills available for rotary tricone and down-the-hole drilling of 6-3/4 in to 10-5/8 in (171 mm to 270 mm) ...

The AirROC D35\* is the smallest and most popular of our crawler mounted, Down-the-Hole drilling rigs. This robust pneumatic rig is self propelled, easy to operate and simple to maintain. ...



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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 ...

Manufacturers of the Rotary Drilling Rig Machine. REL Specialized in Rotary Blast Hole Drill Rig, Down the Hole Drills for Mining, Quarrying & Construction.

Down-the-hole (DTH) hammer drilling is a method of rock drilling that uses a pneumatic hammer to pulverize the rock at the bottom of the hole. This ...

The SmartROC D65 down-the-hole drill rig brings the future of mining within your reach today. Isn't it time you gave your operation the chance to profit from the added intelligence of the ...

KQTG-150 Down-The-Hole drilling drig offers excellent fuel efficiency, improved safety and higher productivity in challenging rock conditions, which is used for ...

Unlock the power and precision of Down-the-Hole (DTH) drilling! This ultimate guide dives deep into the mechanics, applications, advantages, ...

Epiroc's drilling rigs offer a variety of feed lengths, positioning configurations, rock drills, and optional automated features for underground production drilling and ...

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 ...

This chapter discusses the components and functions of a drilling rig and drilling tools. A drilling rig usually has six necessary subsystems classified as hoisting system, rotary system, ...

DTH drilling breaks down hard rock through the hammering action of a DTH hammer drill bit attachment. The small rock particles created by the drilling rig are blown from the borehole by ...

Explore what blast hole drill rigs are, how they work, and why they're essential in mining operations. A simple guide to the machines ...

MWYX-420 seprated DTH drilling rig is equipped with a dual-motor rotary head and a rotary speed-adjustable multi-way valve. The rotary torque can be ...

Epiroc is a one of the leading drill rig manufacturers in the world. We offer rock drilling machines and other equipment for many different applications. For ...

Open-pit mining Surface down-the-hole drill rigs MWYX-420 seprated DTH drilling rig is equipped with a dual-motor rotary head and a rotary speed-adjustable multi-way valve. The rotary torque ...



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Sandvik Mining and Rock Solutions is introducing a new reverse circulation (RC) sampling option for its Leopard(TM) DI650i down-the-hole (DTH) ...

The scalable iDrill automation platform unlocks automation options and digital services to provide clean, precision-drilled holes, maximizing fragmentation and asset utilization. Common control ...

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 ...

Drilling method: Separated Down-the-hole Hole diameter: 90-178mm DTH-hammer: 3.5, 4 and 5 inches Engine brand: YuChai SWDQseries crawler ...

Our Sandvik DR580 is a diesel-powered, high-pressure down-the-hole (DTH) drill rig that delivers the highest air pressures and air flow rates compared with any ...

Drill rigs are heavy-duty machines specifically designed for drilling holes in the ground to access mineral deposits. These machines come in ...

The differences between the air rotary system and this drilling system are primarily the cutting action and the resulting cuttings, as shown. The down- the-hole hammer uses the rotary ...

Surface drill rigs are used for blast hole drilling in construction, quarrying, and open-pit mining, covering a hole range between 27-229 mm. We offer the ...

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 how the right down-the-hole (DTH) drill rig can boost your mining and construction efficiency. Learn about rig types, key features, and ...

A down-the-hole Drilling Rig (DTH rig) is a powerful piece of mining equipment designed for deep rock penetration by hammering directly at the drill bit location.

Big rigs drill very deep holes, 20000 feet (ft), 3000 meters (m) or more; small rigs may only drill to a few thousand ft or meters. People in the oil land describe groups of rigs into 6 basic types: ...

The flushing drill fluid rises inside the drill rod and brings the drill cuttings to the surface. This technique can be used for soil or rock drilling. Down-the-Hole ...

The DM45/50 rotary blasthole drill rig along with their big brother, the DML, are some of the most popular



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drills in the world for good reason. All three models ...

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