



14 years of production of hydraulic top hammer rock drill

What is top hammer drilling?

Top hammer drilling is a percussive drilling method where the hammer mechanism is located at the top of the drill string, on the surface drill rig. The impact energy generated by this surface-mounted hammer is transmitted down through the drill rods, via their threaded connections, to the drill bit at the bottom of the hole.

How does top hammer drilling work?

Top Hammer drilling relies on a specialized set of tools designed to efficiently transmit impact energy from the surface drill rig to the rock face. These tools work in unison to perform the percussive and rotational actions necessary for breaking rock.

Who makes hydraulic rock drills?

Doofor designs and manufactures hydraulic rock drills, also known as drifters or top hammers. We use solid Nordic mining and construction machine building know-how and the ability to demand high-precision component manufacturing. Our hydraulic rock drills are used in various industries around the world.

What is hydraulic rock drilling?

This reliable technology, which was introduced in the 1970s, employs hydraulic power, independent rotation, and separate flushing systems to drill through hard rock formations. Hydraulic rock drilling delivers superior accuracy, automation, and efficiency, making it fundamental to the operations of drill rig manufacturers worldwide.

When was the hydraulic ram hammer invented?

Until 2005, a fully integrated percussion jet assisted drill bit was developed. Ivan Cyphelly invented a new hydraulic ram hammer at Salzgitter Maschinenbau AG for the use at the German Continental Deep Drilling Programme (KTB)

What is the oldest method of drilling wells in hard rock?

Even until the beginning of the 20th century, well drilling in hard rock was done by cable tool percussion drilling. A chisel mounted on a cable is dropped into the borehole and pulled up again. This method is known since thousands of years and still used in developing countries.

In top hammer drilling, the drill bit is directly impacted by a hammer located at the surface level, making it suitable for shallow holes with precise requirements. ...

“This rock drill incorporates two rotation motors delivering a total 4,800Nm of rotation torque, ensuring smooth rotation and optimal energy transfer.” Sandvik Mining used state-of-the-art ...



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The concept and application of open-air top hammer The open-air hydraulic top hammer rock drill specifically refers to the open-air drilling equipment ...

significantly higher increases. The patented, top-of-the-line steel alloy is designed to withstand intense heat from friction, high impact from hydraulic hammers and adhesion, which means ...

Top hammer drilling tools is a kind of rock tool consumables widely used in top hammer drilling applications, such as open-pit mining, quarrying, underground ...

Get a comprehensive understanding of top hammer drilling, a crucial technique for efficient rock drilling. Explore the principles, equipment, ...

Sandvik Alpha[®]; asymmetric drilling tools are the latest innovation in Top Hammer drilling for mine development and tunneling. Inspired by the force of evolution and powered for a successful ...

About MININGWELL. The most complete supply chain of rock drilling products in China. The origin of MININGWELL can be traced back to 2001. At the ...

Furukawa FRD Rock Drills provide the ultimate combination of performance and economy. Built tough, our top-hammer, Down the Hole (DTH) and pneumatic ...

The MR-2 Drill can be equipped with a pneumatic or hydraulic rotation motor (for use in DTH drilling), or with a top hammer rock drill for smaller holes. [Learn More](#)

The DL321 is mounted on a 4-wheel drive frame-steered and diesel-powered carrier. It is equipped with the HL820ST hydraulic rock drill, LFRC700 drilling module, ZR20 telescopic ...

2008.01 Product pedigree and began market sales, expanding two production lines for drill pipes and DTH hammers. 2017.12 Established Zhejiang ...

T45 full hydraulic top hammer surface rock drilling rig uses the world famous YAMAMOTO high-power hydraulic rock drilling rig for perforating operation. It ...

Ranger 800 is equipped with HL 800 T, hydraulic top hammer rock drill. With high rotation torque, sufficient flushing and sophisticated ergonomic drilling control system the rig is well suited ...

Optimise your drilling efficiency with Sandvik top hammer tools, delivering enhanced production, reduced maintenance, and sustainable operations.

Pantera DP1500i Surface Top Hammer Drills Sandvik Pantera DP1500i is intelligent, self-propelled,



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self-contained, crawler based surface drilling rig equipped with a cabin and a rod ...

DP1500 is equipped with HL 1560, hydraulic top hammer rock drill. With high rotation torque, proper flushing and sophisticated, ergonomic Rock Pilot control system the rig adapts itself ...

Top Hammer XL is the latest innovation in surface top hammer drilling from Sandvik Mining and Rock Solutions. The new, groundbreaking drilling system, targeting large-scale quarry and ...

TECHNICAL SPECIFICATION Sandvik DL2721 is a fully mechanized and compact electro-hydraulic top hammer longhole drill designed for underground mining in 3.2 x 3.2 meters or ...

TECHNICAL SPECIFICATION Sandvik DL421 is a fully-mechanized and compact electro-hydraulic top hammer longhole drill designed for underground mass mining in 3.6 x 3.6 m or ...

Optimize your drilling projects with our guide to Top Hammer Drilling. Learn what it is, how it works, and discover the essential drilling tools ...

In certain projects, Doofor rock drills are employed for all these applications within the same mine, showcasing their versatility across a ...

A major breakthrough for us here at Sandvik was the integral steel in the late 1940's. Overnight, this material revolutionized rock drilling a hundredfold and significantly improved production as ...

Sandvik DC700 Surface Top Hammer Drills Sandvik DC700 is a hydraulic top hammer crawler drill. DC700 is a robust drill in construction and therefore very well suited for work in demand ...

Top Hammer Drilling The percussive pressure of the top hammer drilling produced by the piston of the pump in the hydraulic drilling gear is transmitted to the drill bit via shank ...

TECHNICAL SPECIFICATION Sandvik DL321 is a fully-mechanized and compact electro-hydraulic top hammer longhole drill designed for underground mass mining in 3.2 x 3.2 m or ...

Breaking it down -- the working principles of hydraulic rock drilling Hydraulic rock drilling is also known as top hammer rock drilling or rotation ...

Get a comprehensive understanding of top hammer drilling, a crucial technique for efficient rock drilling. Explore the principles, equipment, and benefits of this method to enhance ...

TOP HAMMER XL PANTERATM DP1600i PanteraTM DP1600i is the newest member of the Pantera DPi series family of intelligent top hammer drill rigs. It is characterized by high ...



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T45 full hydraulic top hammer surface rock drilling rig uses the world famous YAMAMOTO high-power hydraulic rock drilling rig for perforating operation. It is suitable for all kinds of medium ...

Web: <https://www.staskowachata.pl>