

Video explanation of rock drill unloading drill rod

How to install a drill rod unloader?

Preparation stage: first, open the clamps above the rod unloader seat. Then, position the drill rod to be connected to the rod unloader, ensuring that the upper and lower drill rods and the swivel head main shaft are all aligned concentrically with the drill rod to be connected.

What is a rod connection & unloading method?

The traditional rod connection and unloading method relies on manual operation, which is not only cumbersome and labor-intensive but also easy to cause damage to the rock drilling tools. However, with the rapid development of automation technology, the rod connection and unloading method of down-the-hole drills is undergoing unprecedented changes.

Why are rock drilling tools difficult to operate?

Fragile rock drilling tools: due to the manual operation's error of manual operation, the push speed is difficult to control accurately, which causes the thread of the rock drilling tools to be damaged due to the rigid transmission force. Inefficiency: complex operation steps and uncertainty of manual control affect the operation efficiency.

How do I connect and unload a rod?

During the process of connecting and unloading the rod, the operator only needs to set relevant parameters (such as rotation speed and propulsion speed) through the LCD screen on the remote control console, and the system will automatically complete the rod connecting and unloading operation according to the preset parameters.

What is proportional connecting and unloading rod technology?

With the rapid development of PLC control technology, proportional connecting and unloading rod technology emerged at a historic moment. This technology achieves high automation and intelligence in the rock drilling tool loading and unloading process through the perfect combination of electrical and hydraulic technology.

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.

A rock drill rod is a fundamental component of a rock drilling system, connecting the drill bit and the shank adapter. It serves as the medium for transmitting the driving force ...



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Rock drill rods are special tools that used in mining, construction, geological exploration and other fields by cooperating with rock drills and drill ...

The main products Taishan rock tools is a professional manufacturer of rock drilling tools, products include cross bit, chisel bit, shank adapter, Drifting drill ...

Drilling procedures and rod unloading methods of DTH drilling trucks 2019-10-25 08:57:22 When drilling, the hole is first drilled with impact energy, thrust and low speed to facilitate drill bit ...

Litian drilling rods (hydraulic drill rod, heavy duty drill rod for top hammer rock drilling) are made of high-quality alloy steel. Advanced manufacturing ...

“Discover the efficiency of pneumatic drill rig rod handling! Our video showcases swift, safe drill rod loading/unloading techniques for mining and construction. Master precision alignment ...

DFQ series Pneumatic DTh Drilling Rig -unloading drill rods 100m-400m Down-the-Hole water well drilling rig for your choice. Zhengzhou Defy Mechanical & Electric...

In this video, we showed the crucial unloading process of drill rod using the DL1 production drilling rig in gold mining operations. Watch as we demonstrate ...

Explore high-strength drill rods designed for efficiency and longevity in all drilling operations. Perfect choice for demanding construction and mining projects.

Discover effective strategies for selecting drill rods in hard rock drilling to enhance efficiency and reduce operational costs. Learn about material selection, optimal rod sizes, and ...

Pneumatic rock drills are fundamental tools in mining, quarrying, and construction for drilling blast holes. While the drill itself delivers the percussive force, optimal performance ...

Detailed introduction, usage, and maintenance of DRIFTER DRILL ROD Date: 2024-11-01 From: SDK Author: admin DRIFTER DRILL ROD, also ...

Rock drill rods are the backbone of any mining operation, providing the necessary strength and durability to penetrate through hard rock surfaces. Without these ...

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They are the conduits through which power and force are transmitted to break through various geological



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formations. This blog will delve deep into the world of drill rods, ...

Top Hammer Drill Rod Working Principle: The working principle of top hammer drilling is similar to DTH drilling, but the impact force is applied at ...

Whether you're in the water well drilling business, involved in rock excavation, or working in a mine, understanding how these rods function is key to a successful drilling operation.

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Rock drilling tools manufacturer ProDrill manufactures drifting drill rod, drifting drill steel, drifter rod, tunneling rods, rock drill bits and rock drilling tools.

During the drilling process, the DTH hammer dives into the bottom of the hole next to the drill bit. When working, the DTH hammer releases wind energy to drive the drill bit to ...

Rock drill rods are the backbone of any mining operation, providing the necessary strength and durability to penetrate through hard rock surfaces. Without these reliable tools, accessing ...

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Top Hammer Drill Rods Rock Drilling Tools Top hammer drill rods are used in conjunction with drill bits and rock drills for drilling operations. SANDCO ...

The full hydraulic rod unloading device is convenient, safe and reliable, and has high efficiency of rod unloading, and improves the service life of drill pipe. Keywords.

Loading Rods onto a Truck, Unloading Rods from a Truck Pre-Industry training program: 14-25 September 2020 The program is designed to introduce...



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