



Modify the down-the-hole drill rig to automatically change the rod

What is a drill rod handling system?

A part of an automated rod handling system that allows to pick up drill rods automatically after the desired drilling depth is reached. Increases productivity and safety, and reduces the stress on rock drilling tools and the entire machine. Standard on all SmartROC rigs with DTH and COPROD drilling method.

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.

Why should you use a rod change feature?

Designed to reduce manual labor and improve operational speed, this feature allows for seamless rod changes with minimal human intervention. By streamlining this critical aspect of drilling, this feature enables operators to focus on precision and performance.

How does autodrill 2 work?

Set the target depth of a hole, and with the push of a few buttons, the machine will drill the hole fully autonomously. AutoDrill 2 allows for safer and more productive operations. Upload a drill plan into the drill rig and navigate to the correct collaring point without having to mark the holes.

What is a down-the-hole drill?

In mining, tunneling, and geotechnical engineering, down-the-hole drills are core equipment, and their operating efficiency and stability are directly related to project progress and cost control.

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.

B1B automatic rod changing down the hole drilling rig GIA B1B has advanced technology and mature down the hole drilling method. It has reliable performance and high drilling quality. It is ...

Equipped with the Yuchai China stage III Engine, high strength aluminum alloy propulsion beam, automatic rod handling system, drill pipe lubrication module and efficient dust collection ...

Modern down the hole drilling systems incorporate state-of-the-art automation and monitoring technologies



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that significantly enhance operational efficiency and safety. These advanced ...

DeepRock Automatic Rod Handling System Featuring the "OTTO" Automatic Drill Rod Loader OTTO is available on all of DeepRock's 10 foot rigs OTTO moves ...

Automatic rod changer device of split hydraulic surface down-the-hole drilling rig The drill rod storage device can accommodate five drill rods, which can ...

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 ...

The HFKT28 Integrated down the hole drill rig for open use is a new drilling device developed by Hanfa Group after years of development and production of down the hole drill rig to meet the ...

PD INNOVATE PDKJ- 103 Integrated Automatically Changing Rod Down -the- hole Drill rig Features: 1: Automatic receiving and unloading rod system, to meet a single ...

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MWYX series products have the characteristics of high efficiency, environmental protection, energy saving and safety automatic drill change and powerful off ...

Pdkj101 Best Selling Integrated Automatically Changing Drill Rod Down-The -Hole Drilling Rig, Find Details and Price about Down The Hole Drill Rig Hydraulic Drill Rig from ...

The rig is most commonly used for open-pit mines, stonework blast holes, and pre-splitting holes. The drill rig is equipped with an automatic rod handling ...

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

We're professional down the hole hammer drill rigs for mining (mines) manufacturers and suppliers in China, specialized in providing high quality products and service. We warmly ...

Epiroc drill rigs can be fitted with a large number of optional equipment, such as Hole Navigation System (HNS) for parallel holes to the correct depth and Rod Handling System (RHS) which ...

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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The KT20 integrated down the hole drill rig for open use is a new drilling device developed by our company after years of development and production of ...

Having a knowledgeable and available world-class partner on site or online, makes the difference between doing it alone and tapping the experience and ...

In all systems it is necessary that the drill rig and rod handling system have the ability to make-up and break-out connections between ...

To simplify drill bit changes in mid-hole, the system will automatically feed rods into the hole after the bit change and continue drilling to the required depth in one sequence.

The rig is most commonly used for open-pit mines, stonework blast holes, and pre-splitting holes. The drill rig is equipped with an automatic rod handling system and lubricating module of the ...

The integrated open-pit down-the-hole drilling vehicle is an advanced drilling equipment that integrates the down-the-hole drilling system and the screw air compression system, equipped ...

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

Mastering the operation skills of down-the-hole drilling rigs can help everyone complete construction tasks more safely and efficiently.

#Drilling Rig#Hydraulic Drilling Rig The integrated DTH drilling rig with automatic rod- changing system represents a technological leap in rock drilling operations. This fully self-contained unit ...

Crawler Blasting Rig ZT5 Mining Blast Hole Down The Hole Drilling Rigs With Built-in Compressor ZT5 integrated open-air DTH drilling rig is an advanced ...

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 ...

Greater efficiency and less downtime for onshore drilling The Precise(TM) automated drilling system gives you full control over your rig's functions from ...



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