



# Automatic rod rock drill operation video

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.

Why should you use a smartroc rig?

An automated rod handling system, which allows to add drill rods manually or automatically to reach the desired depth. The solution supports sustainable and consistent operations, increases average productivity and effective life of rock drilling tools, provides more comfort for an operator. Standard on all SmartROC rigs.

Why should you choose smartroc for your surface drill rig?

With our SmartROC product line, we offer surface drill rig solutions which have the potential to increase profitability throughout your entire operation. RCS platform is the core for onboard automation solutions for surface drill rigs. Since 1998 it is a well-proven solution for safer and more effective operations, and for higher productivity.

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.

Learn about the AutoSteer feature on your Vermeer horizontal directional drill and how it can help with your drilling operations.

Hydraulic loading crane for self-sufficient handling of additional drill rod boxes, drill rods and drilling accessories crane and fully automatic drill rod loading system for Jetbore and twin-tube ...

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

• The rock drill is threaded onto the new drill rod and the new drill rod is threaded to the drill string. Move the right lever to neutral position.

Auto Rod Handling System (Auto RHS) An automated rod handling system, which allows to add drill rods manually or automatically to reach the desired depth. ...

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The HWF135 Automatic Rod Changing Horizontal Directional Drill (HDD) is a cutting-edge machine designed for efficient and precise drilling in various terrains. Whether you are working ...

A rock drilling machine with an automatic rod connection device capable of reaching up to 9 meters is typically used in mining, tunneling, and geotechnical applications where deep and ...

A patented semi-automatic drill bit changer: the bits are changed from a safe location, enhancing productivity and reducing the risk of personnel exposure to hazardous ground conditions. Our ...

A rock drilling machine with an automatic rod connection device capable of reaching up to 9 meters is typically used in mining, tunneling, and geotechnical applications where deep and continuous ...

The fully automatic rod handling system, Auto RHS E, can be used to efficiently drill grout holes up to 30 meters deep. This system boosts productivity and safety by eliminating the need for ...

The automatic drill rod changing device disclosed by the utility model can realize full-automatic drill rod changing operation during the rock drilling operation, has high safety and reliability, ...

2.1 Foreword This instruction manual is part of the complete delivery of the drill rig. It provides information on the design and operation of the drill rig and contains advice and the measures ...

The use of rock drill power extractor is recommended in combination with Fan automation, for the ease of uncoupling rods and for improved productivity ...

Abstract: In the pursuit of automating the entire underground drilling process in coal mines, the automatic rod feeding technology of drilling robots plays a crucial role.

Drill through rock with ease. Our 9-60 lb Rock Drills hit 2,100-3,400 BPM, great for anchor holes, blasting prep, or tough surfaces. Use wet or dry with the APT valve for total jobsite control.

One-hole automation is designed for drilling a single long hole automatically in any direction to predefined depth, including coupling and uncoupling of rods. It eases the work of the operator ...

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

Key Features of the HWF135 Automatic Rod Changing Horizontal Directional Drill 1. Automatic Rod Changing System: One of the most innovative features of the HWF135 is its ...

JK730-2 crawler mounted automatic rod exchange DTH drill rig is a hydraulic DTH drill rig. It is equipped



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with automatic rod changer for rod storage, changing and connecting automatically, ...

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 ...

Connects and disconnects rods using a hydraulic or pneumatic actuator. Can thread rods into the drill string or  
remove them without manual intervention. Synchronization ...

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