

Anchor bolt and cable drilling rig rock drill

What are core drill anchoring bolts & fasteners?

These core drill anchoring bolts and fasteners can be used with a range of core drill rigs and stands. Available as a complete set with lock nut, washer, threaded bolt and anchor or as sets of 20 anchors. Easy to install and can be used in a range of surfaces such as concrete, masonry, stone and asphalt.

What is anchor drilling?

Anchor drilling is a special process in which anchors are installed in order to stabilize walls or slopes. An anchor is a structural component, which carries tractive forces to the ground, the slope or the rock. These forces occur during foundation engineering.

What is a self-drilling rock bolt?

A self-drilling rock bolt, also known as a self-drilling anchor system, is an advanced rock reinforcement solution designed for efficient ground stabilization in tunneling, mining, and slope protection. Featuring a hollow steel bar with a sacrificial drill bit, it enables simultaneous drilling and grouting without needing a pre-drilled hole.

How many strands can a cable Bolter install?

The bolter can install up to 25 meter long cable bolts with several steel strands per hole and has an onboard automatic cement mixer and cement silo. This cable bolter is designed for safety, with the bolting process performed by a single operator situated away from the drilling, grouting and cable installing module.

What is a sacrificial drill bit?

Featuring a hollow steel bar with a sacrificial drill bit, it enables simultaneous drilling and grouting without needing a pre-drilled hole. This integration enhances installation speed and structural reliability, particularly effective in challenging geological conditions.

It is suitable for various underground mines and small and medium-sized underground engineering anchor rod operations. It uses two hydraulic rock ...

Product description Self-Drilling Anchors (SDAs) are hollow core rockbolts which serve as both the drill string during drilling of a support hole, and as the support tendon once grouted into ...

The machine is designed for a nominal gallery height of 2 m (+/- 0.2 m) in underground mines and tunnels. The Sandvik DS221L is able to install cable anchors up to 6 meters length. The drill ...

Epiroc's cable bolting rig is a fully mechanized rig for long-hole drilling and cable bolting in underground mining applications. Its unique two-boom concept ...

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Epiroc's rock bolting rigs are used for rock bolting in mining and tunneling applications. Our range includes models suitable for roof heights from 1.8 to 13 ...

The Kaishan KM311 Hydraulic Rock Bolting Rig is engineered for pipe-seam rock bolt construction, capable of traversing 2.5m-wide × 2.2m-high tunnels and operating in tunnels > ...

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In this article, we explore three fundamental reasons why self-drilling rock bolts can effectively replace traditional anchor cables in a wide range of ground support applications.

Find out which drilling rigs pair with self-drilling anchor bolts! Explore hydraulic, jumbo, and high-slope rigs for efficient tunneling and slope stabilization.

Bolts are ready for tensioning in a short time, thus providing for quicker support. It can be applied to the conventional 2-stepsystem whereby the bolt is placed ...

Anchor rigs have many common names, such as bolt drills, rock drills, bolt percussion drills and so on. The powerhead is an integrated design of impact and rotation and has the function of ...

Kaishan KM311 anchor drilling machine is flexible and versatile, ensuring high productivity and reliability. Drill contractors" best friend!

Connecting the anchor bar to jack-leg rock drill or drill rig which is usually used for long or big diameter anchor bar. The operator need to check the anchor bar and have to clear it if there is ...

Epiroc's rock bolting rigs are used for rock bolting in mining and tunneling applications. Our range includes models suitable for roof heights from 1.8 to 13 meters. Features include a screen ...

There are many different types of anchor drilling rigs available, each designed to meet specific engineering needs. Some rigs are designed ...

The main vibration type of anchoring drilling is longitudinal vibration. Therefore, taking the simultaneous working state of the top anchor drilling rig and anchor cable drilling rig ...

Disadvantages: - Cost: The initial investment for rock bolting equipment and materials can be significant. - Complexity: Installation like cable anchors or other complex rock ...



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Simulation and experimental research on drilling and rock breaking mechanisms of anchor drill rigs with analysis of drilling feedback signals

What is Self-Drilling Anchor System A self-drilling anchor (SDA) system, also known as a Self-Drilling Anchor Bolt, offers an effective bolting ...

Categories: All Products, Kaishan Drilling Rigs, Rock Drilling Tools, Tunnel Jumbo Drilling Rigs
Description: The Kaishan KM311 Hydraulic Rock Bolting Rig is engineered for pipe-seam rock ...

Our passionate site teams operate our state of the art plant and equipment and use the latest technology to ensure successful delivery of our ever-expanding ...

Sandvik RD314 high frequency rock drill combined with the drilling control system optimize drilling penetration rates. The one bolt automation function of DS512i improves drilling productivity ...

Drill Jumbos Series Product Our advanced underground drilling jumbo products are engineered for precision and efficiency in mining tunnels. Equipped with ...

Our drills allow our customers to install all types of anchors from rock bolts to cable strand anchors, as well as drain holes for slope stabilization, mining, ...

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Epiroc's cable bolting rig is a fully mechanized rig for long-hole drilling and cable bolting in underground mining applications. Its unique two-boom concept makes it possible for a single ...



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