

The invention belongs to the technical field of coal mine drilling equipment. The anchoring method and device for omnibearing cantilever structure of drilling machine features that the drilling ...

Excavations with Tiebacks and Rock Anchors A tieback is made by first drilling a hole with an auger and then placing a bar (tendon) in the hole, concrete is ...

A new type of auxiliary structure for tunnel-surrounding rock support - composite cantilever support structure Jun Qu 1,2, Qilong Xue 1,2, ...

An offshore platform, oil platform, or offshore drilling rig is a large structure with facilities for well drilling to explore, extract, store, and process petroleum and natural gas that lies in rock ...

What Is a Cantilever in Construction? A cantilever is a rigid structural element that is supported at only one end, with the other end extending freely into space. This unique ...

Design Introduction When excavation heights exceed 5 ft (1.5 m), we need to design a lateral support system. This is often a cantilever soldier ...

This invention relates to the design of an apparatus and a method called Buddy Cantilever System for increasing the carrying capacity at extended positions of ...

Design Introduction When excavation heights exceed 5 ft (1.5 m), we need to design a lateral support system. This is often a cantilever soldier pile or embedded retaining ...

The invention discloses a synchronous rectangular deep hole drilling machine with a haunched horizontal cantilever, which is suitable for a rock stratum, and comprises a drill carriage with a ...

Rock sockets are drilled shafts that require drilling and excavation into rock. Rock sockets are generally utilized to transfer structural loads into rock overlain by soil and/or overburden ...

COSL conducted cantilever extension feasibility analysis to upgrade the capacity of some types of jack-up. The requirement of the cantilever beam extension was to be increased from 40ft to ...

Design Considerations for Cantilevers When planning a cantilever structure, civil engineers and architects consider several factors: Load ...

Based on a legacy of more than 1 000 Pyramid(TM) masts and derricks since 1956, HMM provides mast and



Rock drill cantilever structure

sub-structures according to your specifications and ...

The utility model relates to a cantilever type drilling platform suitable for bare rock riverbed of big inclination, including two rows, every row has at least two steel-pipe pile of inserting the ...

The present subject matter provides a multipurpose cantilever skidding frame having a first frame structure, a second frame structure and two connection beams integrally forming a rigid ...

Prevention technology of side-bottom pressure relief and roof cutting by large diameter drilling hole on coal and surrounding factors are proposed by this study.

Pneumatic rock drill is the rock drill powered by compressed air. It used to be called air rock drill. Pneumatic rock drill is characterized by simple structure, easy manufacture, low ...

The influences of borehole diameter and spacing on the fracturing effect of a rock mass are studied through theoretical analysis and simulation. ...

The present invention relates to a cantilever derrick system and an offshore plant having the same, and more specifically, by providing a derrick on the top of a drill floor deck without a ...

The hydraulic rock drill is an efficient rock-breaking tool widely used in mining, tunnel excavation, and construction engineering. Powered by a hydraulic system, it achieves rock fragmentation ...

The invention discloses a step-by-step drilling and excavating rectangular anti-slide pile mechanical hole forming method with a haunched horizontal cantilever. The method ...

2.2 Rock Anchoring In the event that the uncovering profundity or additional charge is higher, cantilever shore heap should be secured at one or different levels. The cantilever heap in this ...

Cantilever Doubles- 28 rigs built to date Light Cantilever Triples- 89 rigs built to date Heavy Cantilever Triples- 61 rigs built to date Custom Designs- 27 rigs built to date The above drilling ...

A cantilevered drilling structure including a base unit having a side positionable generally adjacent a well head, and a drilling rig mast assembly positioned generally above and supported by the ...

The theoretical reliability of the vibration response law of the drill pipe under different states has been further verified through drilling experiments of the anchoring system ...

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Rock drill cantilever structure

The spare line reel 8 usually stands cantilever supported off the drilling floor by structure such as beams 8 a, within rail enclosure 8 b. The crown block 7 is usually centered ...

In general, light towers and other poles are founded on drilled shafts, usually bolted onto the top of the shaft or sometimes with the pole embedded into the shaft. The typical ...

Drilled shafts are reinforced concrete columns poured in relatively large diameter holes drilled into soil and rock. For support of bridge substructures drilled shafts provide compact foundations ...

The invention has the advantages that: the horizontal cantilever and rectangular pile holes with the haunching structure are drilled in the shallow rock body through a drill rod, a telescopic ...

Definitions and Use (cont"d.) A drilled shaft is a deep foundation that is constructed by placing fluid concrete in a drilled hole, typically with reinforcing steel installed in the excavation prior to the ...

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