

11 rows· The system is designed to drill access holes through ice less than 700 meters thick and subsequently collect bedrock cores from beneath glaciers. A ...

Arctic Outer Continental Shelf (OCS) oil and gas operators should be required to use purpose-built Polar Class drilling rigs. The rig should hold a ...

To drill the offshore structures a method has been developed by which the natural ocean ice is artificially thickened into ice platforms which carry the weight of conventional land drilling rigs. ...

On the ice road, the rig looked like an "ice ship" gliding over a white ocean, Nowers said. January as temperatures plunged, mixing ice chips and wate that freeze like cement. Construction ...

Introduction To resolve various drilling limitations and problems, such as logistical difficulties presented by heavy, power-hungry conventional drilling rigs, an advanced drilling system, i.e. ...

1. Introduction A new Antarctic subglacial drilling rig (ASDR) has been developed in the Polar Research Center at Jilin University, China. The electrical and electronic control system plays ...

Drilling involves an enormous range of highly specialized processes, products, and technolo gies, making it difficult to assimilate all the information required for solution of particular drill ing ...

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Compact drilling rigs weighing between 3 and 8 tonnes, equipped with separate hydraulic power pack (diesel or electric-powered), designed to operate in low headroom and restricted access ...

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Light series rig About Lightweight drilling rig is designed for operations with "electro-drills" and borehole logging devices with power requirements up to 3 kW. It is equipped with 250 m of ...

Multipurpose drilling rings weighing between 4 and 40 tonnes, featuring simplified kinematics and designed to perform vertical or slightly inclined drilling. These drill rigs are particularly suitable ...

Allowing for quick set-up, easy drill out of caissons to install of piles, the Comacchio CH450, large bore rig is



Ice drill rigs

a tool that can be set-up and specialize for every ...

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The newly developed and tested Antarctic subglacial drilling rig (ASDR) is designed to recover ice and bedrock core samples from depths of up to 1400 m. All of the drilling equipment is ...

Drilling operations in Antarctica are complicated by extremely low temperatures at the surface and inside the ice sheet, glacier flow, the absence of roads and infrastructure, ...

Pavel Talalay (2021) Antarctic subglacial drilling rig: Part I. General concept and drilling shelter structure. *Annals of Glaciology*. doi: 10.1017/aog.2020.37

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The U.S. National Science Foundation Ice Drilling Program (IDP) was established by the National Science Foundation (NSF) to lead integrated planning for ice ...

CRS specializes in custom design of lightweight ice drilling equipment for thermal and mechanical glacier drilling and coring. Our expertise is based on 45 years of scientific, engineering, and ...



Ice drill rigs

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