

m/T45, ST58 and ST68 tube rods. The DL421 is mounted on a 4-wheel drive frame-ste red and diesel-powered carrier. It is equipped with the HL1560ST hydraulic rock drill, LFRC1600 ...

The Sandvik DS312D used RD314 rock drill for fast performance, installed on the Sandvik Bolting Head with low operating cost and optional Sandvik Bolting Instrumentation system.

A walking rock drill, also known as a rock drilling rig or mobile rock drill, is an efficient and flexible rock drilling equipment. It is usually equipped with tracks ...

TECHNICAL SPECIFICATION The Sandvik DD311 is a single-boom electro-hydraulic jumbo, designed for fast and accurate drilling within drifting and tunneling of 40 m² cross-sections.

TECHNICAL SPECIFICATION Sandvik DL230L is a low-profile single-boom electro-hydraulic production drilling jumbo designed to work in excavations with headroom as low as 1.7 meters. ...

-rods or Ø65 mm/T45 tube rods. The DL431 is mounted on a 4-wheel drive frame-ste red and diesel-powered carrier. It is equipped with the HL820ST hydraulic rock drill, LFRC700 drilling ...

They control the speed and direction of the hydraulic cylinder, allowing precise control over the drilling process. By adjusting the valves, the ...

Sandvik DT1231 is a three boom electro hydraulic jumbo for fast and accurate drilling in tunneling and cavern excavation. The hydraulic controlled drilling system with added automatic functions ...

DD311 DEVELOPMENT DRILL TECHNICAL SPECIFICATION The Sandvik DD311 is a single-boom electro-hydraulic jumbo, designed for fast and accurate drilling within drifting and ...

Hydraulic rock drills work on the principle of impact crushing. When working, the piston reciprocates at a high frequency and continuously impacts ...

As a technological innovation of high-power hydraulic rock drill, double damping system has a very important effect on impact performance. The double ...

A fully mechanized bolting rig is equipped with a control system for positioning, drilling and bolting, a hydraulic rock drill, and a bolt magazine containing rockbolts for installation.

The impact system of a high frequency rock drill drifter was modeled. The structure and working principle of the impact system are presented. A performance test system was ...

The hydraulic controlled drilling system with added automatic functions and different optional instrumentation levels enable productive and high quality excavation. The RDX5 rock drills ...

The impact energy, impact frequency, and energy utilization rate of two different hydraulic rock drill pistons in low, middle, and high gear were analyzed using a ...

The modern, powerful hydraulic rock drill and the smooth drilling controls system allow high drilling performance with good drill steel economy and high machine reliability. The operating ...

The DL431 is mounted on a 4-wheel drive frame-steered and diesel-powered carrier. It is equipped with the HL820ST hydraulic rock drill, LFRC700 drilling module, SB120P boom, TAS ...

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 DL421 is mounted on a 4-wheel drive frame-steered and diesel-powered carrier. It is equipped with the HL1560ST hydraulic rock drill, LFRC1600 drilling module, ZR30 telescopic ...

The Sandvik DS312 used RD314 rock drill for fast performance, installed on the Sandvik Bolting Head with low operating cost and optional Sandvik Bolting Instrumentation system.

The DL331 is mounted on a 4-wheel drive frame-steered and diesel-powered carrier. It is equipped with the RDX5 hydraulic rock drill, LHF2000 feed, ERCH12 rod handler, SB60P ...

Efficient control system The THC561 drilling control system with reaming hole selector increases drilling performance and reduces the wear on both rock drill and rock tools for an extended ...

Through the analysis of working principle of hydraulic rock drill, the calculation formula of optimal axial thrust for the propulsion system of hydraulic rock d

The exceptional "V"-shape layout is designed for good visibility and balance, which, combined with the powerful four-wheel-drive articulated carrier, ensures fast and safe manoeuvring even in ...

The drilling system allows high drilling performance with good drill steel economy and high machine reliability. The operator environment and added automatic functions allow the ...

Considering factors such as hydraulic clamping force, fluid leakage, and rock properties, a feedback control

numerical model is ...

m/T45, ST58 and ST68 tube rods. The DL411 is mounted on a 4-wheel drive frame-steered and diesel-powered carrier. Sandvik DL411 is equipped with the HL1560ST hydraulic rock drill, ...

It is equipped with a stabilizer to control contact between the drill bit and rock, ensuring optimal drilling performance and long rock tool service life. Together with new LT90 rock tools ...

The rotation mechanism rotates the drill bit, allowing it to penetrate the rock more effectively. The feed mechanism moves the drill bit forward or backward during the drilling process, and the ...

The DL311 is mounted on a 4-wheel drive frame-steered and diesel-powered carrier. It is equipped with the HL820ST hydraulic rock drill, LFRC700 drilling module, ZR20 telescopic ...

In response to the issues of overheating of the shell and insufficient impact energy of the hydraulic rock drill, this paper focuses on the ...

The DL331 is mounted on a 4-wheel drive frame-steered and diesel-powered carrier. It is equipped with the HLX5 hydraulic rock drill, LHF2000 feed, ERCH12 rod handler, SB60P ...

The lack of research on the double damper system seriously restricted the impact power's increase of hydraulic rock drills. The structure and working principle of the double ...

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