



## Long hole drilling rig

How do top hammer rigs drill holes?

Our Top hammer rigs drill holes from 51mm using a R32 drill string up to an 89mm hole using a T51 drill string, including everything in between. This allows us to complete work from thin vein mines to bulk mining operations. All of our rigs are capable of drilling both up holes and down holes and our operators are competent in both.

What is a Simba long hole drill rig?

The Simba long hole drill rig is a central element of the mining fleet used by LKAB, one of the world's leading iron ore producers. Its mines at Kiruna and Malmberget in northern Sweden are models of modern mining methods, with high levels of automation in rail transport, loading and production drilling.

What types of drilling rigs does Mine Master offer?

For underground production drilling Mine Master offers a range of long hole drilling rigs in configurations suitable for the required work in mines. To adapt to specific working conditions the machines can be offered with variable setups of the working unit featuring different feed lengths and drifter parameters.

How do you drill a long hole?

In order to achieve the desired rock fragmentation, the long hole driller must therefore drill as straight and as accurately as possible - in short, within the limits specified by the drill plan. This means that the holes must be collared in exactly the right position, and then drilled in the right direction and to the exact depth.

Are long drill holes more accurate than ever?

They are both long holes - and the longer the hole, the greater the risk of deviation. Today, long hole drilling is more accurate than ever. It is reasonable to assume that long drill holes can never be 100 % straight, regardless of the miner's experience or the drilling equipment being used.

What drills do top hammer rigs use?

With a flexible workforce including a management team that all drill if required we are in a good position to move quickly if required. Our Top hammer rigs drill holes from 51mm using a R32 drill string up to an 89mm hole using a T51 drill string, including everything in between.

Long hole drilling is a crucial technique that enhances both productivity and safety, making it essential for effective resource extraction. ...

High-capacity drill rigs are a must, and the fleet of Simba rigs has been expanded to six production hole rigs at Malmberget and two in Kiruna to meet the current long hole drilling ...

Epiroc's drilling rigs offer a variety of feed lengths, positioning configurations, rock drills, and optional



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automated features for underground production drilling and ...

The hydraulic long hole drilling rig adopts a multi-stage oil cylinder direct propulsion system that is standard for the high-power rock drill, ensuring stable thrust during deep drilling.

Sandvik DL421 is a versatile longhole drill rig engineered for large-scale production drilling in underground mines. It is designed for vertical and ...

Description: Siton DL2 production underground drill rig with boom-mounted drill unit is designed for work in underground mining drifts with cross sections of 3x3-4.5x4.3m. Capable drilling ...

Simba E60 S is a long-hole production drill rig for medium to large-drift mining. It accommodates a range of drill bits, rock drills and in-the-hole hammers to adapt to your specific needs. The ...

Long hole drill rigs are crucial for underground mining operations. These powerful drilling rig machines are designed to drill deep holes in ...

Epiroc's long-hole drilling rigs are used for production drilling in underground mining applications. With a variety of feed lengths, positioning configurations, rock drills, and an extensive options ...

DL4 production drilling rig is developed for long hole mining can drill holes with diameter from 64mm to 89mm and maximum 41m deep. The suitable cross-sections (width x height) is from ...

Our underground drill rigs for long hole drilling are available with a variety of configurations, including different drifter parameters and feed lengths.

Compact and powerful long-hole drilling solution The sturdy Simba M4 is a long-hole production drill rig for medium to large-drift mining. It accommodates a range of drill bits, rock drills and in ...

The Sandvik DL420-15C is an electro-hydraulic long-hole drilling rig for large-scale production drilling in un-derground mines. The rig is capable of drilling 89 - 127 mm (3 1/2" - 5") holes up ...

RAPTOR 7X Long hole drilling rigs RAPTOR 7X is an electro-hydraulic rig, for production applications by drilling long holes, in sections from 4.0 x 4.0 to 6.0 x 6.0 m. Fully mechanized ...

The idea of drilling a few long holes parallel to the face rather than a large number of short blast holes perpendicular to the face was an attractive option to mechanize narrow reef mining. This ...

The critical parameters affecting the sustainable implementation of long hole drilling in stoping applications for platinum mines are improved safety and higher production rates compared to ...



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Long-Hole Drills For underground production drilling Mine Master offers a range of long hole drilling rigs in configurations suitable for the required work in mines.

Designed for versatile drilling, Mine Master rigs can create long holes up to 32 meters in length, both vertically and horizontally. They ...

Sandvik DL432i is a fully mechanized top hammer longhole drill designed for underground mass mining in 3.4 m x 3.4 meter or larger production drifts. It ...

Explore electric longhole drilling with the Sandvik DL422iE rig - a state-of-the-art, electric drill combining efficiency and sustainability for underground mining.

The hydraulic long hole drilling rig adopts a multi-stage oil cylinder direct propulsion system that is standard for the high-power rock drill, ensuring ...

Flexibility, versatility and reliability Maximize productivity in small spaces with the Simba S7. This hydraulic long-hole drill rig is built for small spaces and tough drilling conditions. Increased ...

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Boom style long hole rig for large sections. HC112 Montabert drifter - 30 kW. Hole length up to 35 meter. Drill diameter up to 102mm with reaming up to 152mm.

Precise production drills Simba long-hole drilling rigs offer a variety of feed lengths, positioning configurations and rock drills built for quick setup and ...

DL4 Production Drilling Rig It is specifically for long hole mining applications, with capability to drill holes with diameters 64-89mm and can achieve a maximum ...

Hydraulic long hole production drill rig for medium to large size drifts. Adaptable to all types of drilling Highly customizable Increased productivity This reliable rig is equipped with a boom ...



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Web: <https://kwa-andries.co.za>