



# Yan an Tunnel Rock Drill

Tunneling Equipment Stopers, benchers and jacklegs; mini excavator mounted drill attachments, up drills and HOR drills all have a specific purpose in tunnel ...

The tool consists of four separate modules: iSURE#174; Tunnel for drill and blast design, drilling pattern design, longhole pattern, tunnel line and project files; iSURE#174; Report for drilling ...

With the increasing demand for and ongoing progress in tunnel construction technologies, the construction of ultra-long and ultra-deep mountain tunnels will usher in new ...

Why Choose Jupiter Rock Drills for Tunneling? By selecting Jupiter Rock Drills, tunneling companies invest in reliable, high-performance drilling equipment designed to meet the unique ...

Learn how to conquer rocky terrains with the ultimate guide on drilling through rock formations. Discover the secrets to selecting the perfect equipment, mastering drill bit ...

Petra is testing its tunnel-drilling method in a Minnesota quarry on Sioux Quartzite, a rock that the US Geological Survey says requires 25,000 ...

To fully grasp the lithology of unexcavated tunnel geology, a correlation database using measurement-while-drilling (MWD) information from the NATM tunnel excavation ...

In the world of underground construction, the excavation of hard rock tunnels poses significant engineering challenges. Engineers and project ...

The classification of surrounding rock is crucial for formulating safe tunnel construction plans and support measures. However, the complex ...

Two parameters are often calculated from a blast design: the "powder factor" or specific charge (kg of explosives per m<sup>3</sup> of blasted rock) and the drill factor (total length of drill ...

The ATD100 Air Track Drill is a self-propelled pneumatic crawler drill that can be used for both DTH and drifter drilling. It maintains a simple and lightweight ...

5 days ago#0183; 24 Likes, TikTok video from Rock Drill & Splitter (@rock\_drill\_splitter): "Integrated hydraulic rock drills and splitters are widely used in open-pit mines, quarries, building foundations, tunnel ...

For the construction of a new underground tunnel, special tunnel boring machines are used in almost all cases



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today. Depending on individual requirements, different drilling methods can ...

&lt;p&gt;By collecting the multi-lithology and multi-index drilling data, an automatic interpretation technology of tunnel rock mass integrity based on integrated algorithm and multi-scale model ...

The drill & blast method is still the most typical method for medium to hard rock conditions. It can be applied to a wide range of rock conditions. Some of its features include versatile equipment, ...

Learn how to choose the right rock drilling tools for tunnel excavation in underground mines. Optimize efficiency, safety, and cost ...

According to the actual situation of Yanzishan tunnel project, the specific application of rock drilling rig in its construction is analyzed in depth, including construction ...

Rilon integrated rock drill and splitter combines the two functions of drilling and splitting. One excavator can perform drilling and splitting operations, and there is no need to frequently move ...

Explore high-performance rock drilling machines for tunnelling projects. Engineered for precision, durability, and efficiency in tough underground conditions.

In conventional drill and blast tunnelling, initial ground support is placed immediately after the current round is shot before excavation of the next round (i.e. one-round installation ...

Software is used in various parts of a tunnel construction and the workshop covers the current state of the art in this important and growing area. The workshop describes tools such as ...

Monitoring was conducted on a deeply buried tunnel in southwest China for axial chain rockbursts (ACRs) occurrences. The recorded ACRs (23 weak, 3 moderate, and 3 ...

Traffic is then partly directed underground to the Bund Tunnel (completed 2010). Motorists continuing east can cross the Huangpu River using the East Yan"an Road Tunnel to ...

5 steven liu foreign trade department manager at Sichuan Zuanshen Intelligent Machinery Manufacturing Co., Ltd. 6mo Different drill rigs construction record for tunnel drilling hole

China Tunnel Rock Drill wholesale - Select 2025 high quality Tunnel Rock Drill products in best price from certified Chinese Drilling manufacturers, Hole Drilling Machine suppliers, ...

Background Drilling and blasting methods of excavating the rock mass will cause a certain degree of damage to the surrounding rock. The damage of surrounding rock caused by tunnel blasting ...



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The classification of surrounding rock is crucial for formulating safe tunnel construction plans and support measures. However, the complex geological environment of tunnels presents a ...

Yan, P., et al. (2009) Study on the Loose Range of Surrounding Rock of Tunnel under the Condition of TBM and Drilling and Blasting Excavation. *Journal of Civil Engineering*, 42, 121-128.

**SUMMARY** The dynamic disturbance from explosion, earthquakes and stress impact may induce rock mass damage around the deep-buried tunnel. Here, we show the ...

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