Diamond Drill Bits

Diamond drill bits are used for rock drilling in mining. They are available in various types and face shapes to suit different rock hardness levels.

Product Overview

Professional Grade Diamond Drilling Solutions

Our diamond drill bits are engineered for high-performance drilling across a wide spectrum of geological formations. Designed to handle varying levels of rock hardness and abrasiveness, these bits incorporate advanced matrix technology to ensure consistent performance and longevity. Whether dealing with soft, medium, or extremely hard rock, our selection offers specialized face shapes and matrix types to optimize drilling speed, core recovery, and hole stability.

Technical Specifications

Available Drill Bit Types

- Impregnated Bits
- Electroplated Bits
- Full-Face Bits

Hardness Compatibility (HRC)	HRC 10-20, HRC 20-30, HRC 30-35, HRC 35-40, HRC 40-50

Selection Guide

Face Shape Selection Guide

Face Shape	Application/Benefit
Round	Used for hard/medium-hard rock; maintains lip integrity; uniform diamond distribution.
Flat	General purpose; suitable for various hardness and abrasiveness levels.
Conical	Used for hard rock; creates free-breaking space to increase drilling speed.
Stepped	Used for mixed rock hardness; provides stability and prevents hole deviation.
Roller	Used for soft rock; increases discharge space for cuttings; prevents clogging.
Bottom-Discharge	Used for water-sensitive strata; protects core from erosion; improves core recovery.