

Polycrystalline Diamond Compact PDC Drill Bit

This PDC drill bit features a high-quality steel matrix and deep, wide junk slots for effective cleaning and cooling. Multiple cutting blades are arranged around the bit face for efficient rock removal in oil and gas, geothermal, and water well drilling.



ADDITIONAL IMAGES



Product Overview

High-Performance PDC Drill Bit

This Polycrystalline Diamond Compact (PDC) drill bit is engineered for high-efficiency drilling in soft to medium-hard formations. Featuring an integrated alloy forging body with advanced wear-resistant surfacing, it is designed to withstand demanding drilling environments while preventing matrix erosion. Optimized hydraulic design with deep, wide junk slots ensures superior cooling and cuttings removal, promoting faster penetration rates and anti-balling performance.

Technical Specifications

Body Material	Integrated alloy forging with high-performance wear-resistant surfacing
Cutter Technology	High-performance PDC (Polycrystalline Diamond Compact) cutters
Suitable Formations	Soft Formations, Medium-Hard Formations, Shale, Sandstone, Limestone

Design Features

Hydraulic Features

- Deep and wide junk slots
- Optimized fluid flow for cuttings removal
- Enhanced cooling for drilling fluid
- Anti-balling design

Applications

Primary Applications

Oil and Gas • Geothermal Drilling • Water Well Drilling • Directional Drilling • Mining