

# Polycrystalline Diamond Compact Drill Bit

Polycrystalline Diamond Compact (PDC) drill bits are advanced tools used in the oil and gas industry, mining, and geothermal applications. These bits have multiple PDC cutters embedded for efficient rock cutting and optimized fluid flow for cuttings removal and cooling.



## ADDITIONAL IMAGES



## Product Overview

### High-Performance Drilling Solution

This Polycrystalline Diamond Compact (PDC) drill bit is engineered for demanding drilling engineering applications, including oil, gas, and mining operations. Featuring a balanced design with strategically distributed cutters, it offers improved drilling stability and efficiency. The bit is specifically optimized for medium to medium-hard rock formations, ensuring reliable performance in challenging environments.

## Design & Construction

### Gauge Protection Features

- Column diamond used in inner gauge
- Column diamond used in outer gauge
- Extra PDC cutters for enhanced protection

### Cutter Configuration

Circular arc brown, standard PDC cutters

## Performance Features

### Formation Suitability

Medium Formation • Medium-Hard Formation

### Key Performance Benefits

- Optimized cutter distribution for balance
- Improved drilling stability
- Enhanced drilling efficiency
- Optimal flow roomage for cooling and cleaning

## Application

### Primary Applications

Oil and Gas, Mining, Geothermal, Geotechnical