

# 12 1/4" Matrix PDC Drill Bit

This 12 1/4" matrix PDC drill bit is designed for demanding drilling applications. It features a robust matrix body and advanced PDC cutter technology for enhanced durability and performance.



## Overview

### High-Performance Matrix PDC Drill Bit

This 12 1/4" matrix body PDC drill bit is engineered for demanding drilling applications including oil and gas, geothermal exploration, and water well construction. Featuring a robust 5-blade design with 19mm cutters, it is optimized for soft to medium formations such as clay, marl, and silt. The advanced matrix construction provides superior erosion resistance and durability, ensuring an exceptional rate of penetration and extended service life.

## Technical Specifications

### Bit Size

**12.25 in**

Bit Diameter

Blade Configuration	5 Blades
Cutter Size	19 mm
Body Material	Matrix Body
Model Reference	HPM6319G

## Application Guide

### Recommended Industries

- Oil and Gas Drilling
- Geothermal Exploration
- Water Well Construction

Suitable Formations	Clay, Marl, Lignite, Sands, Silt, Anhydrite
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## Quality & Standards

### Certifications

ISO

### Performance Features

- Enhanced erosion resistance
- High Rate of Penetration (ROP)
- Extended bit life
- Polycrystalline Diamond Compact (PDC) technology