

Kymera Mach 5 hybrid drill bit

Unleash the power. Extend the limit.

The drive to improve penetration rates has seen the introduction of high-torque motors and higher weight on bit, making it increasingly challenging to find the right bit for this tougher operating environment. Steering issues make it difficult to land in the desired target and compromise overall penetration rates. Bit durability has been limited in harder formations and intervals with interbedded hard streaks.

The **Kymera™ Mach 5 hybrid drill bit** from Baker Hughes extends the hybrid bit application range, increases rate of penetration (ROP), improves steerability, and provides longer bit life in high-energy drilling environments.

Extended application range

The advanced cutting structure of Kymera Mach 5 expands the dual cutting action of the polycrystalline diamond compact (PDC) and tungsten carbide inserts (TCI) by using extended cone technology for increased durability and higher penetration rates.

The Kymera Mach 5 bit has the latest developments in PDC cutters that maximize performance in the harshest drilling environments with high thermal stability, low wear rate, and excellent durability. **Stabilis™ X cutter technology** offers a dual chamfered design for increased penetration rates and improved impact resistance.

Improved steerability

The analytical modeling used for Kymera Mach 5 technology balances the engagement of TCI and PDC cutting elements. This application-specific modeling provides efficient drilling dynamics to maximize penetration rate with excellent steerability.

Longer bit life

The Kymera Mach 5 bit achieves longer bit life with a new bearing and seal package that optimizes loading, decreases wear rate for longer seal life, and increases drilling hours.

Applications

- Challenging carbonates
- Hard interbedded formations
- Vertical and/or curve sections
- Directional drilling with motors or rotary steerable systems (RSS)
- High-energy drilling environments

Benefits

- Increased application range
- Higher penetration rates
- Improved steerability
- Longer bit life
- Reduced drilling cost

The next generation Kymera Mach 5 hybrid drill bit embodies a decade of hybrid bit experience from the leaders in drill bit technology to deliver the run you planned.

Unleash the power. Extend the limit.

Contact your Baker Hughes representative to learn how the Kymera Mach 5 hybrid drill bit can improve performance on your next well.



Kymera™ Mach 5
Hybrid drill bit

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