

IRev impregnated diamond bits

Maximize drilling performance in even the most difficult and abrasive environments

The IRev[™] infinite revolution impreg

bit from Baker Hughes improves run life, while minimizing trips and the number of bits required when drilling in hard and abrasive intervals, including sandstones, or complex sections interbedded with softer shales.

IRev technology features a completely new cutting structure including diamond impregnated posts that allow a more aggressive rate of rock removal, enabling the bit to drill in places where PDC bits typically cannot perform. As diamonds wear away, new diamonds are exposed to enhance performance and further extend bit life.

Depending on the application environment, additional features can be incorporated into the IRev bit to deliver superior performance. New profiles better balance workloads to extend bit life, while improved hydraulics enable more effective cleaning in hard sections interbedded with stickier, softer shales and siltstones. Additionally, posts can be exposed above the blades to improve aggressiveness in less demanding applications, delivering higher ROP. IRev bits can be used with a box or pin connection for use on highspeed motors or turbines.

For more information on how IRev impregnated diamond bits can outlast and out drill other bits in even the most abrasive intervals, contact your Baker Hughes representative today.

Applications

- Extremely hard and abrasive intervals
- Hard sections interbedded with soft shales and siltstones
- Enhanced coring operations

Benefits

- Diamond impregnated posts increase durability, performance, and footage drilled
- More aggressive design enables higher torque output to deliver greater ROP
- Application-specific diamond grits and body matrix provides optimal performance by matching technology to application for best performance
- Optimized profile better balances workloads and extends bit life