

Fixed cutter drill bits

Scyra™ shaped cutters

Optimized geometry for increased drilling efficiency

FEATURES

- Polished cutter face reduces friction and energy use to improve rate of penetration (ROP) and mitigate micro balling
- Relieved geometry improves fluid flow and thermal stability for extended cutter life
- Efficient cuttings moves debris from PDC element to junk slot
- Surface integrity enhancements mitigate crack initiation sites for longer durability

BENEFITS

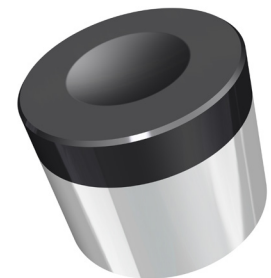
- Improve efficiency with faster ROP and reduced well time
- Increase footage with optimized geometry and improved surface integrity
- Reduce drilling time and improve efficiency with faster ROP and fewer trips

Overview

Cutter technology is essential to performance and reliability in drilling environments. The Halliburton Scyra™ shaped cutters are the latest advancement in cutter technology, engineered to deliver measurable improvements in drilling performance. This cutter is designed to improve drilling efficiency, durability, and cuttings evacuation. Field data insights have demonstrated up to 20% increase in rate of penetration and validated its performance in harsh drilling environments.

Design

The design features a polished surface with a relieved profile to help maximize drilling efficiency. The polished face minimizes friction and cutting loads and eliminates micro-defects that can lead to cracks and improve durability. The relieved profile improves fluid flow beneath the cuttings. This reduces thermal damage to the cutter. The configuration improves cuttings evacuation by efficiently moving the cuttings ribbon to the junk slots. The result is cleaner holes and reduced recirculation. Together, these elements keep the cutter cooler, extend its life, and minimize well time.



Scyra™ shaped cutter

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

H015137 10/25 © 2025 Halliburton. All Rights Reserved.

halliburton.com