

Juggernaut™ Cutter Platform

CUSTOMIZED PDC TECHNOLOGY

OVERVIEW

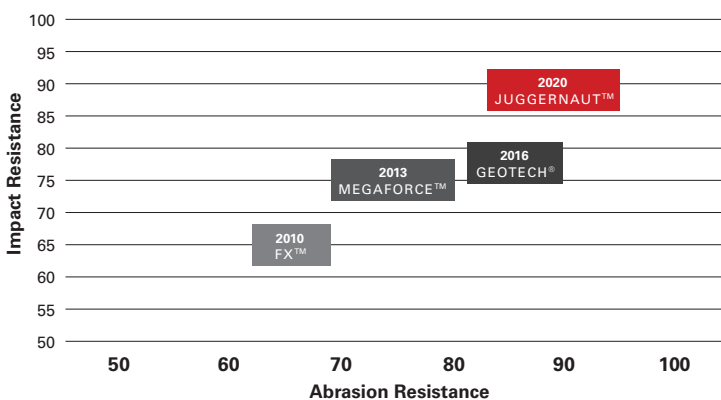
Halliburton Juggernaut™ cutters are an advanced cutter family specifically created to address today's most challenging drilling environments.

Global drilling applications are complex and characterized by interbedded formations, challenging lithologies, and changing rock strengths. Additionally, hard and abrasive environments are often encountered. These demanding drilling environments and diverse well designs require a specific polycrystalline diamond compact (PDC) cutter platform that is customized to stay sharper than other cutters, and to drill faster and longer.

We develop customized cutter solutions to properly balance the abrasion and toughness needed in each application, and to optimize in-bit placement of each of our cutter technologies in order to deliver superior performance on each run.

Ongoing cutter development continues to challenge the traditional abrasion vs. toughness tradeoffs, leading to a thicker, stronger diamond with added thermal stability. To date, field data shows that our latest North American cutter technology delivers a 21% improvement in ultimate load and a 64% decrease in wear rate. In combination with enhanced thermal stability, these cutters demonstrate significantly reduced spalling and broken-tooth dull conditions across multiple field applications.

Evolution of Halliburton Drill Bits & Services' PDC Cutters



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



FEATURES

- » Oculus™ big data analytics for automated dull grading
- » Cerebro® and Cerebro Force™ downhole insights
- » PDC development process combining in-depth knowledge of PDC cutter microstructure with unique lab test methodologies to deliver optimized application-specific performance

BENEFITS

- » Customized cutters, designed for specific applications, that stay sharper than other cutters in order to drill faster and longer
- » New diamond formula for extreme toughness
- » Integrated data and analytics to recalibrate cutter prescription per application

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.

H014218 05/22 © 2022 Halliburton. All Rights Reserved.