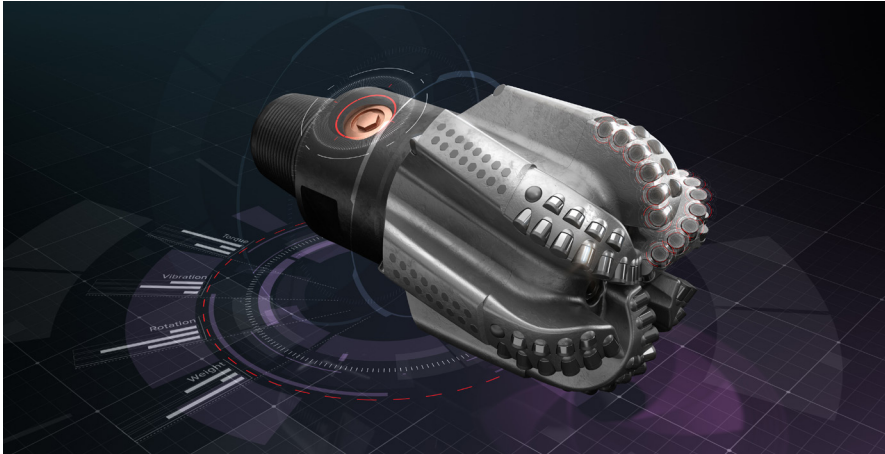


Hedron™ Fixed Cutter PDC Bits

NEXT-GENERATION CUSTOMIZED DRILL BITS



OVERVIEW

The new Halliburton Hedron™ platform of fixed cutter PDC drill bits combines state-of-the-art technology with an industry-leading customization process to deliver the highest-performing, application-specific designs on the market.

Every Hedron drill bit is designed using the Halliburton Design at the Customer Interface (DatCISM) process, along with proprietary iBitS™ modeling and simulation software, which enables our design teams to tailor each bit to unique customer challenges. While Hedron drill bits can utilize a wide range of design options and features, at the core of every Hedron drill bit are:

Juggernaut™ Cutters

Juggernaut™ cutters are the latest in the advanced Halliburton cutter solutions family, and these cutters

properly balance the abrasion and toughness needs in each application. In combination with enhanced thermal stability, these cutters significantly reduce spalling and broken-cutter dull conditions across multiple field applications.

Cerebro® In-Bit Sensing Insights

In-bit data from offsets provide a clear understanding of the downhole drilling environment experienced by the drill bit, and enable Halliburton to select the best combination of bit features that can directly address harmful, performance-limiting downhole conditions.

Oculus™ Advanced Dull Analytics

Oculus™ advanced dull analytics is a state-of-the-art automated dull grading system that utilizes machine-learning (ML) algorithms to capture precise dull information for each individual cutter of these Halliburton drill bits.

FEATURES

- » Juggernaut™ cutter technology for increased impact and abrasion resistance
- » Oculus™ big data analytics for automated dull grading and proper cutter selection
- » Cerebro® in-bit sensing insights incorporated into each design
- » Proprietary iBitS™ modeling and simulation software

BENEFITS

- » Increased drilling performance and efficiency in the most challenging applications
- » Optimal cutters in each position
- » Bit features that directly address harmful, performance-limiting downhole conditions
- » Precision design tools that deliver accelerated performance improvement

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.

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