

Razor™ Shaped Cutters

UNIQUE GEOMETRY FOR INCREASED DRILLING EFFICIENCY

OVERVIEW

The Geometrix® 4D-shaped line of PDC cutters offer unique geometries to traditional cylinder cutters to produce more efficient drilling. Using the Design at the Customer Interface (DatCISM) process, application design evaluation (ADETM) specialists around the world bring custom solutions to specific applications in an effort to increase rate of penetration and reduce drilling costs. The design of various shapes are customized for different applications to better solve for chip flow, friction, and thermal degradation.

Razor™ cutters are built on the existing platform of Juggernaut® PDC cutter technology specifically designed for the toughest and most abrasive applications. Utilizing Oculus™ automated dull grading technology, Razor cutters can be precisely placed on a cutting structure to maximize efficiency in the application. The Razor cutter utilizes an optimized cutter geometry to take advantage of more efficient rock failure at the cutter edge profile.

DESIGN

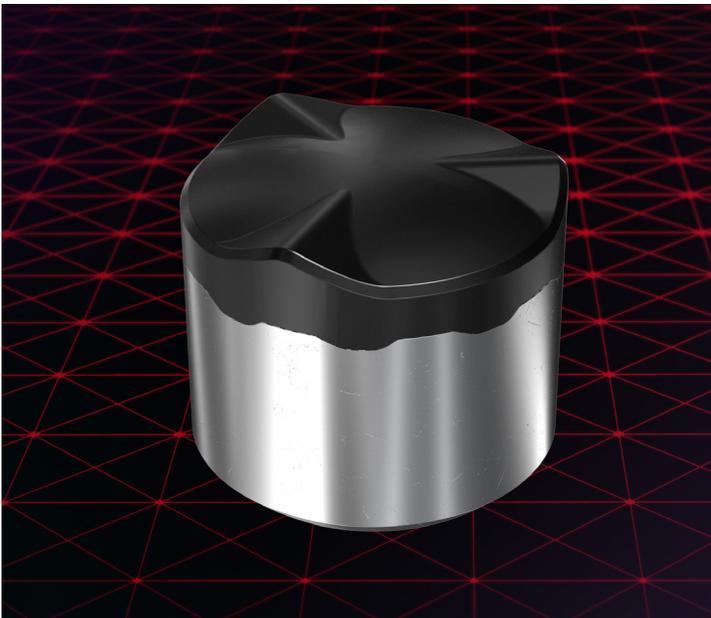
The Razor cutter features a higher contact stress area along the cutter rock interface for optimized rock failure, enhanced edge profile for efficient cuttings removal and evacuation, and domed center for increased durability.

FEATURES

- » Unique geometry compared to traditional cylinder cutters
- » Higher contact stress area along the face
- » Enhanced edge profile
- » Domed center
- » Optimized with Oculus™ automated dull grading analytics

BENEFITS

- » Optimized rock failure
- » Efficient cuttings removal and evacuation
- » Increased durability



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

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