



DEEPBIT

- In 1999, some of the top engineering minds from Baker Hughes China JV, departed to create Chengdu Deep Diamond Bit Co. Ltd (DEEP BIT) on the principles of excellence in design and quality manufacturing.
- Over a short period of time, we have achieved great results in Kuwait, Iraq, Iran, Kazakhstan, North and Central Africa etc.
- Established in 2002, DEEP BIT has over seventeen years of experience supplying quality products and services to our customers worldwide.
- In China, we hold the leading market share and top performance in almost all Onshore and Offshore applications.
- Despite the recent downturn, DEEP BIT is expanding its footprint and continues to invest in people, technology, and infrastructure to grow and expand in international markets.

International Standards

API 7-1 Q1, ISO 9001, 14001, OHSAS 18001



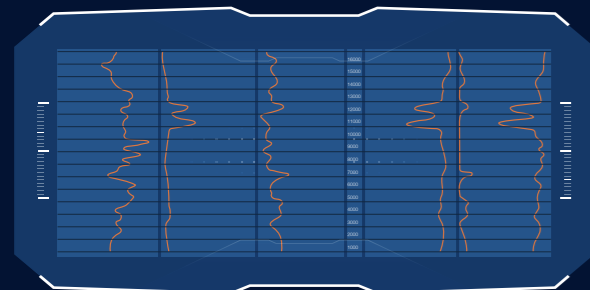
orBIT Series PREMIUM PDC BITS

Custom designed for challenging applications around the world



Engineering and Design

By employing the latest technology in materials and design, DEEP BIT proudly presents the orBIT series PDC drill bit. Each bit in the orBIT series is custom designed to revolve around the needs of any challenging application, and it is our commitment that the path from design to delivery is complete in 2 weeks.



orBIT Harnesses the Power of the Latest Software in Analysis and Design

ROCK Strength Analysis software provides a deep understanding of the drilling challenges, and is implemented in each application-specific bit design.

Major Clients



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Each orBIT is optimized with the latest software

Each orBIT is defined by its consistent drilling performance that utilizes proprietary software and tools to analyze cutter contact area, cutting volume, cutting direction, cutter stresses, and overall force balancing.



orBIT Premium PDC Cutters

Deep Diamond Premium cutter technology is an innovative and patented approach to providing customers with industry leading, thermally stable, high performance cutters. A unique double leaching process ensures that the cutters integrity, even in the most challenging applications, outperforms regular leached and other PDC cutters. The development of this complex manufacturing technology enables Deep Diamond products to achieve superior performance in fields around the world.

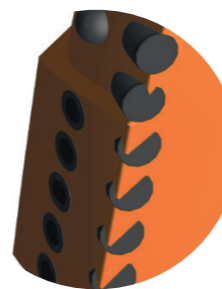
Geometric Shapes for a Longer Bit Life

With our commitment to customized designs, DEEPBIT orBIT Series employs distinct geometric-shaped cutters according to the needs of each specific application challenge.

THE RIGHT CHOICE FOR THE JOB

These optional features are available with the orBIT Series and implemented as determined is best for the application.

01 orBIT Gauge Options



Active short gauge



Passive long gauge



Spiral Type

The patented fishtail shape is used at the end of gauge

02 orBIT Anti - Stuck Feature Patent No.: ZL201420435200.5

- Reduces the volume of the cavity formed by the end of the gauge and the borehole wall
- Improves movement with the junk slot's funnel-shaped structural design
- Provides the end of the gauge with the ability to break rock

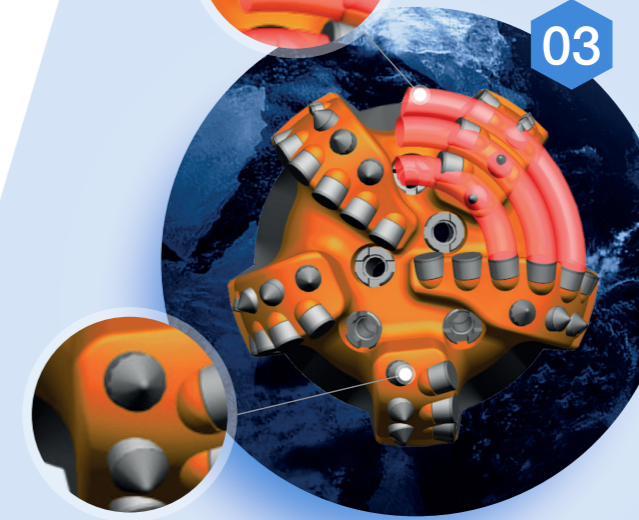


Tapered cutter on gauge

03 orBIT Tapered Double Row Feature for Tough Applications



Front-row cutter track



Back-row tapered cutter

Design Features:

- Tapered cutters are arranged in the back row as support cutters
- Tapered cutters have a higher exposure than the main cutters (front-row cutters)

Back row tapered cutters increase the drilling efficiency and improve the bit life in hard and abrasive applications where long bit life and higher ROP can be achieved.

04 Anti-balling Special Design orBIT bit (For extremely soft and sticky formations)

Patent No.: ZL2017206008595

Design Features:

- Including conventional blade structure and non - gauge blade structure
- Increased junk slot space, smoother hydraulic flushing, and improved anti-balling effectiveness.

