

SPLIT BLADE™

UNLEASH
YOUR
SPEED™

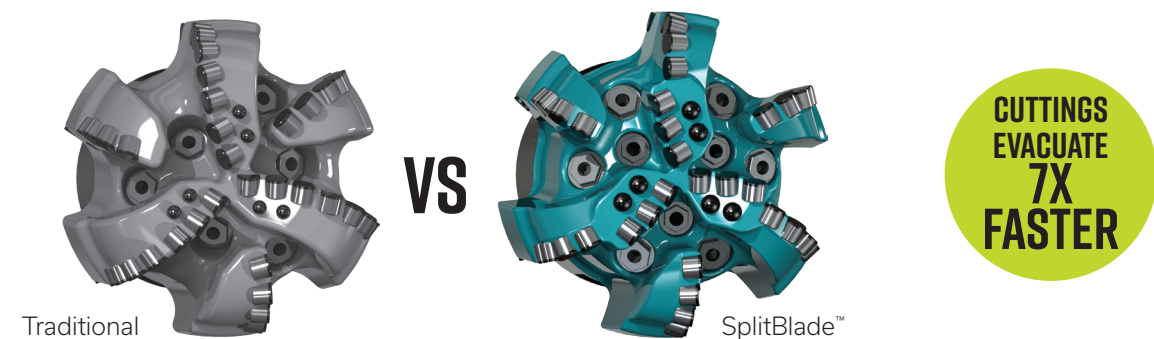


ULTERRA®

Thinking Forward. Challenging Limits.™

CLEANER TOOL FACE, FASTER DRILLING. THAT'S INNOVATION AT WORK.™

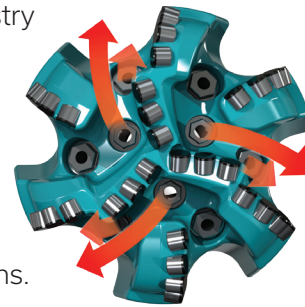
SplitBlade™ is the latest advancement in PDC bit engineering and is designed to provide more performance, durability, and control. By redesigning hydraulics to improve cuttings evacuation and prevent recirculation, this innovative bit design unleashes cutter performance and boosts ROP. Now all available drilling energy is concentrated into the formation to make hole—empowering operators to push the boundaries of performance to the next level. SplitBlade eliminates performance limiters created by slower and inefficient cutting evacuation, and keeps cutters clean for faster drilling.



ENGINEERED FOR PERFORMANCE, MADE DIFFERENT

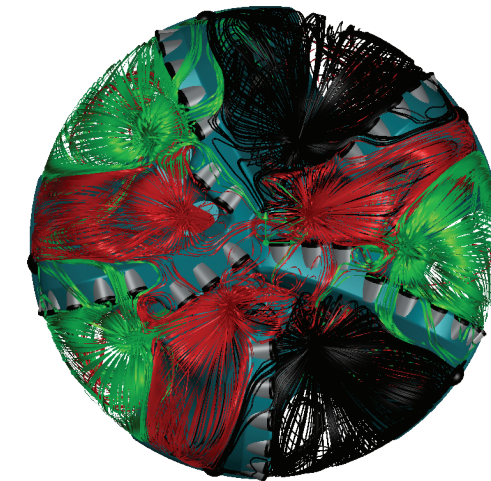
The innovative design of SplitBlade looks different than traditional straight blade drill bits because it performs differently. The primary blades are separated after the cone and the outer shoulders are rotated, creating double barrel hydraulics and freeing up more area for the junk slot. In addition, the blades are engineered to match industry standards for strength and target depth of cut requirements.

SplitBlade bits are engineered to keep cutters clean by increasing the maximum hydraulic dispersal rate. Dedicated hydraulic flow to the separated portions of the cutting structure means cuttings are swept up the junk slot directly. With SplitBlade, cuttings are cleared out up to 7 times faster compared to conventional PDC designs.



SCIENCE BEHIND THE DESIGN

SplitBlade is the latest patent-pending innovation by Ulterra, dedicated to the science of improving hydraulic efficiency and maximizing drilling performance. The purpose-built designs are developed using Computational Fluid Dynamics (CFD) software, uniquely engineered to focus the path of cuttings evacuation and channel fluid flow. All to provide operators with new levels of performance and control.



ALWAYS INNOVATING

BLADE SEPARATION

The inner blade geometry is offset forward to create separation, providing specific flow channels that carry away cuttings more easily and free up drilling potential.

CUTTER LAYOUT

The premium-grade PDC cutters have greater radial freedom—specially engineered by work and force simulations to stay cleaner and drill new formation faster.

NOZZLE FOCUS

The nozzle positions are designed to create dedicated fluid channels and ensure cone and shoulder cutters get fresh hydration. Leading to exceptional bit hydraulics.

BENEFITS OF SPLITBLADE

Increased ROP

The unique design prevents cuttings from balling locally around the cutters and junk slot, effectively increasing ROP.

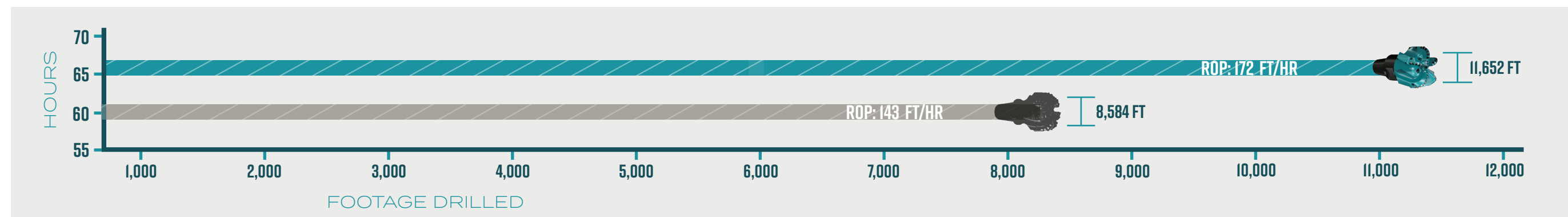
Cost Savings

Proven to operate at lower cost by providing increased average footage, reduced tripping, and improved performance.

Tool Face Control

Overcomes the challenges associated with drilling directionally by offering dependable control for advanced accuracy.

RECORD SETTING PERFORMANCE - 20% FASTER & 36% MORE FOOTAGE THAN THE COMPETITION - IN LAVACA COUNTY, TEXAS, THE SPLITBLADE-DESIGNED SPL616 DRILLED THE CURVE AND LATERAL IN 67.8 HOURS!



ADVANCING TECHNOLOGY

Ulterra is constantly developing innovative bit technology to better adapt to changing operating conditions and specific application requirements.

COUNTERFORCE®

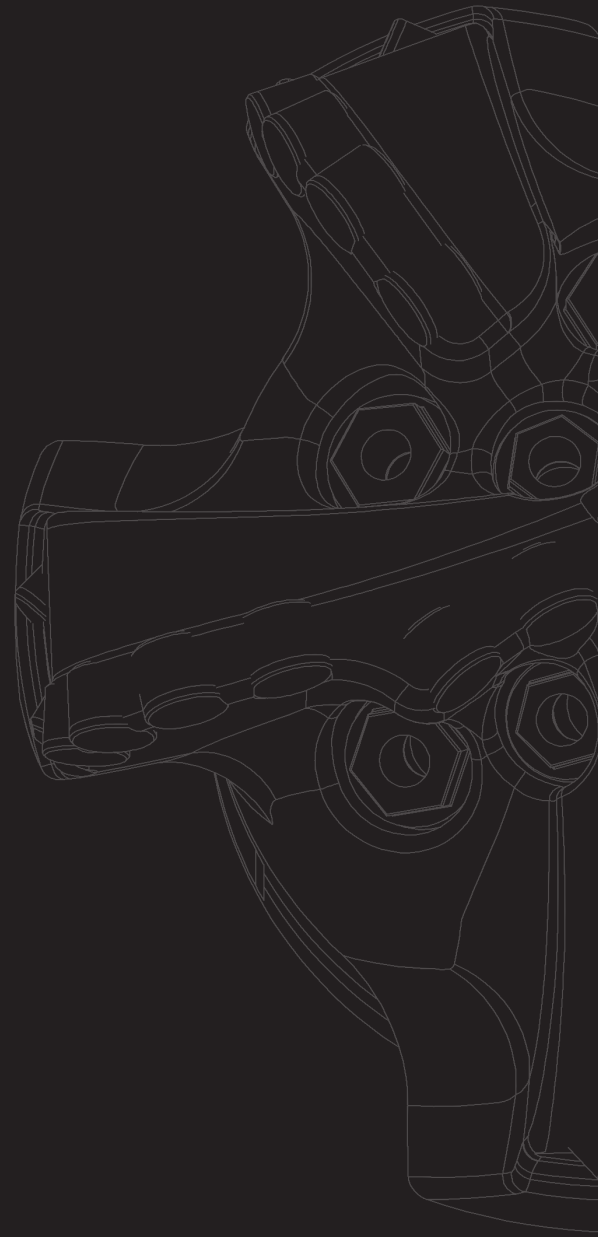
The unique cutter configuration minimizes bit-reactive torque and vibration, providing more lateral stability and improving drilling efficiency.

FASTBACK™

A wide-open blade structure provides for optimal hydraulics so cutters can work deep into formation, while providing more depth and cut control.

ULTERRA IS DEDICATED TO MAXIMIZING THE EFFICIENCY OF OIL AND GAS DRILLING OPERATIONS THROUGH THE USE OF GROUNDBREAKING DRILL BITS AND APPLICATION TECHNOLOGIES. THROUGHOUT THE WORLD'S DRILLING BASINS, WE ARE BUILDING OUR REPUTATION ON PERFORMANCE.

LET ULTERRA SHOW YOU HOW WE CAN IMPROVE YOUR DRILLING EFFICIENCIES AND LOWER YOUR COSTS. VISIT ULTERRA.COM/SPLITBLADE OR CALL 1-844-ULTERRA.



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