Rhino XC
On-demand hydraulically actuated reamer
Unmatched underreaming performance
The Rhino XC® on-demand hydraulically actuated reamer enables fast activation and effective wellbore enlargement, delivering improved casing running, cementing clearance, and ECD control.

Complete actuation control
The reamer’s on-demand flow activation system provides complete control of reamer cutter block deployment from surface. This allows the reamer to be placed below ID-restricted BHA components such as MLWD tools. And, with flow-actuation control, the Rhino XC reamer provides the fastest cutter block activation and deactivation in the industry.

Application flexibility with borehole quality
The Rhino XC reamer is effective in a variety of formations where simultaneous drilling and hole-enlargement reliability are essential. The reamer’s one-piece, balanced design increases torque and load-carrying capacity while reducing drilling-generated vibrations that produce undergauge and irregular boreholes.
Ensures cutting diameter reliability
As with all Rhino* integrated borehole enlargement systems, the Rhino XC reamer features the patented Z-Drive* reamer cutter block deployment system: A parallel tongue and groove design ensures cutter blocks are deployed to the borehole enlargement diameter during activation and are retracted when the reamer is deactivated.

Controls high-fluid volumes for effective cleaning
The Rhino XC reamer’s full-circulation capability optimizes borehole cleaning and cuttings evacuation. The tool’s large bore handles high-fluid volumes with optimized distribution between the bit and cutter blocks. This high-fluid capability also accommodates the fluid requirements of rotary steerable systems and directional assemblies.

Delivers faster ROP in fewer trips
For extended footage, optional Predator* cutter blocks are available. Equipped with the ONYX* PDC cutters, Predator cutter blocks maximize ROP with cutters that remain sharper longer. ONYX cutters are more thermally stable for greater wear and impact resistance than other PDC cutters. And, single-set placement of each cutter on the cutting profile ensures a more stable and durable cutting structure.

Optimizes underreaming for a variety of applications
The cutting structure design is optimized for bit and reamer dynamics and formation lithology using i-DRILL* engineered drilling system design, which provides insight into the effects of different design parameters and the interaction of the cutting structure as a part of the drilling system. The resulting design delivers improved drilling performance over a wide range of applications: from hard and highly abrasive to interbedded difficult-to-drill formations.

For unmatched performance, flexibility, and control, the Rhino XC on-demand reamer is the industry’s premier borehole enlargement tool.

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Find out more about Rhino XC on-demand hydraulically actuated reamer at slb.com/RhinoXC.

Animation
Watch an animation that demonstrates how the Rhino XC reamer hydraulically expands via flow activation.

Case Studies
Rhino XC reamer’s advanced flexibility means its placement in the BHA is unrestricted while providing faster and unlimited actuation. In recent operations,

- the Rhino XC reamer enlarged deepwater GOM well in one trip, providing pilot hole for coring run stabilization
- SOCAR used the Rhino XC reamer to underream a 989-m tophole section of a gas storage well in one run
- Noble Energy used an integrated BHA to drill a 1,221-ft section at an average ROP of 84.5 ft/h in a deepwater GOM well.

i-DRILL
Engineered drilling system design
slb.com/iDRILL

Rhino RHE
Dual-reamer rathole elimination system
slb.com/RhinoRHE

PowerDrive
Rotary steerable systems
slb.com/PowerDrive