

# xCaliper Eccentric String Reamer



## Next-generation reamer for cost-effective borehole enlargement.

Traditional borehole enlargement solutions like bi-center bits, concentric tools, and fixed-cutter underreamers come with inherent limitations: compatibility issues, pass-through restrictions, and high costs. Meanwhile, most eccentric string reamers require the bit and bottomhole assembly (BHA) below the tool to be smaller than the pass-through size.

NOV's xCaliper™ eccentric string reamer is designed to eliminate these constraints, providing a robust tool for cost-effective borehole enlargement (BHE).

Featuring premier polycrystalline diamond compact (PDC) cutters, the xCaliper reamer can be run with your current drill bit and BHA, making it a cost-effective alternative to conventional fixed-cutter underreamers. Improve your drilling performance and efficiency with the latest addition to the ReedHycalog™ BHE toolbox, combining our proven eccentric string reamer technology with the highly successful Dog Leg Reamer wellbore conditioning tool.

Our proprietary Multifunctional Advanced Placement Software (MAPS™) ensures optimal placement in the drillstring, while innovative cutter placement software positions the cutters for maximum cutting efficiency and minimal torque, resulting in smoother, faster drilling.

Whether you need to stop mud losses by reducing equivalent circulating density, improve the cement bond, or increase production, trust the xCaliper reamer to enhance your drilling operations.



## Features and Benefits

- **One-piece construction** – The xCaliper reamer is manufactured from a single piece of steel containing material properties that optimally match the connection tool requirements. This ensures a strong, robust design that is properly paired with the adjacent drillstring components.
- **MAPS** – Our exclusive in-house developed software provides optimal xCaliper reamer placement in the drillstring. Accurate placement also ensures there are no negative effects on the bending stresses or contact forces at any point in the interval through which the tool will be run.
- **Large selection of premium PDC cutters** – The cutter type on the xCaliper reamer can be optimized to suit the demands of each specific application.