

FUEGO

Reamer



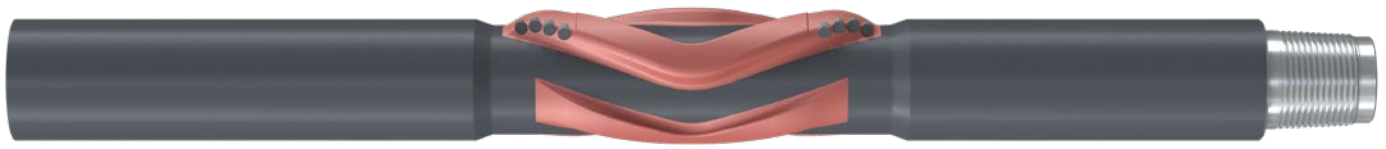
The Fuego™ reamer is our second-generation wellbore conditioning tool combined with new design features, concepts, and materials proven to be highly effective when paired with our Fuego bit series.

The Fuego reamer can improve weight transfer to the bit, reduce string-generated torque while drilling, time spent reaming or backreaming during connections and trips, and even eliminate the need for dedicated clean-out runs. All these benefits result in time savings, reducing the overall drilling cost of your well.

The Fuego reamer has a smaller pass-through size than the drill bit (normally 1/8" smaller) and is designed to slightly enlarge the wellbore. To work effectively, the correct placement within the Bottom Hole Assembly (BHA) is critical. Our proprietary Multifunctional Advanced Placement Software (MAPS™) is operated by our locally based, experienced DSE team and ensures the reamer is optimally placed while analyzing bending stresses and contact forces throughout the run for safe, trouble-free operation.

Like our Fuego drill bit series, the Fuego reamer can be fitted with any of ReedHycalog's industry-leading grades of polycrystalline diamond compact (PDC) cutters to ensure top performance in the challenging and diverse applications of Latin America.

Better torque. Better wellbore. Better design.



Features

One-piece construction

The Fuego reamer is manufactured from a single piece of steel containing material properties that optimally match the connection tool requirements. The one-piece construction ensures a strong, robust design that is properly paired with the adjacent drillstring components.

Dual-height, dual-function blade design

By utilizing active blades set higher than the passive blades, the tool both conditions and slightly enlarges the wellbore to significantly improve the efficiency of the tool. This enlargement ensures that the bit will be able to pass through the wellbore without the need for backreaming and that casing or completions can be landed quickly and successfully.

Multifunctional Advanced Placement Software (MAPS)

MAPS, which is our exclusive in-house-developed software, enables Fuego reamer placement in the bottomhole assembly, where it is most beneficial from a borehole conditioning perspective. 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.

Low-torque cutting structure

We designed the Fuego reamer to generate less than 5% of the reactive torque generated by the bit with which it is used. In most applications, this results in reduced surface torque when compared to similar offset runs that do not include the Fuego reamer in the string.

Bi-directional cutting structures

Enhanced cutting structures ensure that the tool is actively improving the wellbore when drilling ahead, as well as when the string is rotating and moving in either direction.

Maximized tool internal diameter

This intentional design helps to minimize pressure loss through the tool; it also allows fishing of most retrievable measurement-while-drilling (MWD) components.

Re-engineered blade layout

Our tool's blade layout offers maximum protection to the cutting structure during drillout and increases the blades' efficiency when agitating cuttings on the low side of the wellbore in high-angle directional applications. The rounded, continuous blades have been designed to afford greater gauge protection in highly abrasive applications while improving sliding efficiency in high-angle positive displacement motor applications.

Large selection of premium PDC cutters

The cutter type on the Fuego reamer can be optimized to suit the demands of each specific application.