

# Hughes Christensen GaugePro™ Expandable Reamer

Drill and ream simultaneously or enlarge a pilot hole with minimal vibration and superior hole quality.

## Improved performance

The GaugePro XPR expandable reamer eliminates the chronic reamer problems facing the industry: complexity, activation, downhole failures, and vibration/stability dysfunction. The concentric reamer remains closed until triggered, opens on command, reams an in-gauge hole, and closes and comes out of the hole properly.

With the pilot bit design synchronized to the expandable reamer in a fit-for-purpose drilling assembly, you'll have an exceptional downhole operating environment.

## GaugePro Firsts

- First patented drop-ball method to trigger an expandable reamer, which eliminates premature triggering independent of WOB, flow, or BHA pressure.
- First documented, significant vibration reduction by limiting aggressiveness of the pilot bit without reducing ROP using patented EZSteer™ depth-of-cut control technology.
- First documented use of the GaugePro XPS expandable stabilizer above a reamer to significantly increase drilling efficiency by eliminating collar whirl for higher ROP with lower WOB.

## Benefits

- Minimal vibration
- Superior hole quality
- Improved performance
- Increased reliability



### Optimized cutting structure

You can drill and ream simultaneously or enlarge a previously drilled pilot hole. The blade motion—angled radially outward and upward—is a fail-safe measure to ensure cutter blade retraction. The tool has our industry-leading Genesis™ PDC cutters to address the most challenging drilling applications.

### Simplified tool design

The simple one-piece body is constructed from a high-tensile, fatigue-resistant material. Because there is no welding on the body, heat-affected zones and crack propagation are eliminated. Interchangeable nozzles for each cutter blade are placed strategically through computational fluid dynamics, improving cuttings removal and transport.

*To learn more about our expandable reamer, please e-mail:  
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