

Ghost Reamer® Tool

Combines reaming, drilling, and hole-cleaning capabilities in a single device

Applications

- Reaming, drilling, and hole cleaning in horizontal shale wells and extended-reach wells

Features and Benefits

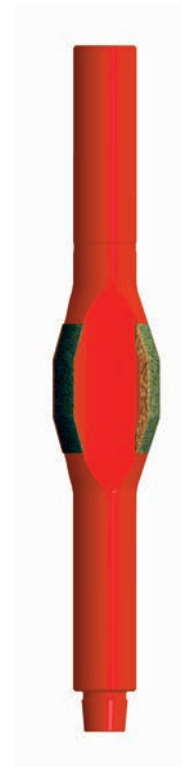
- The tool increases efficiency by combining reaming, drilling, and hole-cleaning functions in one device.
- The tool blades have a cutting structure on the leading edge, which helps ream holes to size in unstable formations.
- The blades are straight, which prevents cuttings from balling up around the tool, and they are extra-wide, which avoids gouging the hole and creating keyseats and troughs for improved hole conditions and reduced torque and drag.
- The blade design eliminates any appreciable torque while drilling, which provides for smoother, cleaner performance in challenging formations.

Tool Description

The Ghost Reamer tool combines a keyseat wiper and a tapered-blade reamer to address unstable formations, swabbing, and hole-cleaning issues. The tool reams swelling shales and clays, removes excess wall cake, and stirs up cutting beds that can cause swabbing and packoff conditions.

The Ghost Reamer tool is available with either of two types of blades: as a hard-banded blade type for soft formations and a blades with carbide-button type for medium to hard formations. Both types are custom manufactured to fit drillstrings and are easily racked in the derrick.

The tool is run approximately 1,000 to 1,500 ft (305 to 457 m) behind the bit. In high-angle and extended-reach wells, two tools are often run on a single drillstring approximately 1,000 to 2,000 ft (305 to 610 m) behind the bit.



The hard-banded type Ghost Reamer tool with hard-banded blades is well suited for drilling and reaming in soft formations.



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Specifications

Tool OD	ToolID	Overall Length	Fishing Neck Diameter	Fishing Neck Length
8.5 in.	2.813 in.	73 in.	6.5 in.	30 in.
9.25 in.	2.813 in.	84 in.	6.5 in.	31 in.
9.875 in.	2.5 in.	88 in.	5.25 in.	33 in.
12.25 in.	2.813 in.	76.5 in.	7 in.	27 in.
13.5 in.	2.813 in.	88 in.	7 in.	33 in.
16 in.	3 in.	88 in.	9.5 in.	30 in.
17.5 in.	3 in.	88 in.	9.5 in.	27.75 in.



An alternative, the button-type Ghost Reamer tool has carbide buttons that resist wear in medium to hard formations.

