Reamaster Underreamer

7200 Series

Schlumberger

Specifications

Overall Length (with Subs)	95
Fishing Neck Length	18

Operating Parameters

Opening diameter, in	12 1/4 in
Pilot hole size, in	7½-11
Collapsed body diameter, in	7¼
Fishing neck diameter, in	5¼
Top connection (pin)	4½ Reg
Bottom connection (box)	4½ Reg
Tool weight, lbm	500

Milled Tooth

TCI Cutter

PDC Cutter

The Reamaster Underreamer has been designed with two large, robust cutter arms which facilitate increased cross-sectional area at the underreamer cutter pockets. This also provides more room for larger sealed bearing and PDC cutters for optimized underreaming performance. Gun-drilled ports through the tool deliver more fluid, giving the operator greater control over the distribution of fluid across the bit and the underreamer cutters.

The ability to run more drilling weight on the tool and spend more time on bottom results in cost-effective underreaming. The ability to ensure an existing pilot hole up to 70 percent makes this product ideal for a range of drilling and remedial operations.

Customized cutting structures are available for a broad range of applications and formation types. Sealed bearing milled tooth and TCI cutters are designed specifically for underreaming operations and are capable of delivering penetration rates and cutting structure life comparable to the drill bit. PDC cutters are also available for long intervals.

Fluid flow has been optimized using gun-drilled ports to deliver more drilling mud to the underreamer cutters and the drill bit. This improves hole cleaning efficiency and accomodates the fluid requirements of other downhole tools.

Features and Benefits:
* Forged cutter arms withstand high shock and torque loads
* Sealed bearing cutters provide longer on-bottom life
* Positive lock keeps arms in the open position
* Optimized fluid distribution
* Strategically placed nozzles
* Milled tooth, TCI and PDC cutting structures are available for a broad range of applications

Applications:
* Enlarge wellbore size below a restriction
* Minimum clearance and expandable casing programs
* Underreaming While Drilling
* Gravel packs and expandable-screen completions
* Ream out key seats and clean up downhole ledges

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