

Drilling Type Underreamer

17000 Series

Schlumberger

Specifications

Overall Length	91
Fishing Neck Length	28

Operating Parameters

Standard opening diameter, in	28 in
Body diameter, in	17
Collapsed diameter, in	17
Fishing neck diameter, in	13
Minimum pilot hole diameter, in	18
Top connection (pin)	7 5/8 Reg
Bottom connection (box)	8 5/8 Reg
Approximate weight, lbm	3,800
Maximum hole inclination	30°

The Drilling Type Underreamer is designed to run in conjunction with a drill bit or a bullnose depending on pilot hole condition or project objectives. The tool's three retractable cutting arms are opened and held in position by continuous hydraulic pressure. The three arm design allows the pilot hole diameter to be increased up to 75 percent depending on tool size. Cutters are retracted by disengaging the pump, allowing the tool to be repositioned for selective underreaming operations or retrieval from the well. Piston spring assists with arm retraction following interruption of hydraulic pressure.

Features and Benefits:

- * API Reg box down makes up to bit or jetted bullnose
- * Milled tooth, TCI and PDC cutters
- * Facilitates fluid passage to the bit or jetted bullnose
- * Cutter arms can be changed quickly on the rig floor

Applications:

- * Wiping out bridges and key seats
- * Drilling and underreaming in fault zones and swelling formations
- * Opening the reservoir section for gravel packing
- * Underreaming while drilling in certain applications

