

EWD[®]5 (Enlarge While Drilling)



Reaming position

The EWD[®]5 is a fifth generation underreamer tool that is mechanically activated and remains set in the tripping position to drill the cement and shoe. Once clear of the casing, weight is added to activate the 3 cutter blocks to their full gauge enlarging size. The locking mechanism ensures the EWD[®]5 remains open to drill a full gauge hole.



Benefits

- ★ Easily steer and orient below a directional motor due to short length
- ★ Proven durability and reliability maintaining a full gauge enlarged hole
- ★ No lateral vibration, prevents MWD, LWD and motor failures
- ★ Freedom to choose any pilot bit PDC or Tricone
- ★ Drill float equipment-saving trips

About Southern Oilfield Services

Southern Oilfield Services is based in Houston, Texas. SOS is a provider of innovative downhole drilling tools.

Underreaming is the foundation upon which the company was established and still remains a strong core of our business. Our line has expanded to include specialized reamers for cleaning and shaping the wellbore.

We pride ourselves in only using materials sourced in the USA.

Our current products include: Curve Reamer™, EWD[®]5, ES[®], Southern Star Underreamer, STealth Reamer™, Roller Reamers, Hole Openers, Stabilizers

EWD[®]5 Features



Simple Activation

Weight activates the 3 cutter blocks to their enlarged, reaming position once clear of the casing. No balls or hydraulic set ups are required for activation.

Locking Mechanism

Pump pressure initiates the locking mechanism which keeps the EWD[®]5 in the reaming position even without weight to drill a full gauge enlarged hole.

3 Cutter Blocks

American made PDC diamonds are press fit in the blocks. A 3 bladed concentric design provides for balanced cutting action and a full gauge hole.

3 Up Jet Nozzles

Nozzles provide improved bottom hole cleaning.

Concentric Design

Using a full gauge bit, the EWD[®]5 cutters drill only 25% of the hole letting the bit do the majority of the work.

Sizes: 4 1/8" to 23"

Tripping position

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