

Expandable Stabilizer – ES®



Drilling position

Drilling an enlarged hole has several cost saving advantages and adding the ES® to stabilize the BHA ensures that extra control in challenging applications.

The ES® is an expandable gauge stabilizer that provides the operator with the ability to optimize the BHA design while drilling an enlarged hole for any desired well path regardless of angle. The ES® is the only mechanical stabilizer, activated by weight on the market and has shown great success running above motor as well as with Rotary Steerable Systems.

When run at the same time as the EWD®5, there are no balls to drop or special hydraulic conditions to set up. All that is needed is for weight to be applied and begin enlarging your hole with exactly the BHA stabilization you want.

Selecting the ES® tool in place of an IBS stabilizer when running the EWD®5 tool will provide predictable rotary or steerable motor BHA performance.

Benefits

- ★ Improved directional performance
- ★ Reduced vibration and stick slip
- ★ Ensures stabilizing wall contact while underreaming the hole which reduces motor sliding time
- ★ Mechanical stabilization helps performance of rotary steerable system

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

ES[®] Features



Simple Activation

To activate, simply set weight to push the 3 stabilizer blocks to their enlarged, stabilizing position. No balls or hydraulics are required for activation.



Three Stabilizer Blocks

The 3 stabilizer blocks are configured with Tungsten Carbide or diamond coated inserts. The 3 Blade design ensures stabilizing wall contact while underreaming the wellbore.

Locking Mechanism

Pump pressure initiates the locking mechanism which keeps the ES[®] in the predetermined stabilizing position even without weight to stabilize the BHA while underreaming the wellbore. All that is required to unlock is to stop the pumps, set a little weight and pick up.

Sizes: 4 1/8" to 23"

Tripping position

Southern Oilfield Services