

Steady Scout®

STICK-SLIP MANAGEMENT TOOL



Stick-slip costs the drilling industry millions of dollars each year because of the catastrophic damage it causes to the bit, premature motor and MWD failures, and drill string fatigue. This dysfunction increases RPMs and causes the bit to dig into the formation, increasing torque and differential pressure across the motor producing stress to the power section and causing fluctuation in the depth of cut by the bit.

Steady Scout is incorporated into the BHA to improve drilling performance and extend bit life by reducing the peak RPMs experienced during stick-slip. The Steady Scout absorbs fluctuations from motor differential pressure by retracting as differential pressure increases, and extending as pressure decreases, resulting in steady weight-on-bit, consistent depth of cut, and steady drill string pressure — all leading to a smoother wellbore.

Using Steady Scout results in significant cost reduction through improved bit life, better drilling performance, and reduced damage to drill string components.

TOOL APPLICATIONS

- All PDM/PDC Applications
- Vertical, curve, tangent and lateral
- Areas of stick-slip, poor tool face control, bit DBR
- Can be run with the Vibe Scout System for complete downhole management of friction and stick-slip dysfunctions

FEATURES AND BENEFITS

- Stick-slip management
- Improves bit and BHA component life
- Consistent tool face
- Improved drilling performance
- Consistent control of downhole differential pressure
- Can be fitted with CuBIC® smart sensors from Sanvean Technologies



CuBIC is a new generation compact drilling dynamics data recorder designed to be embedded into existing drilling tools at any point within the BHA. It provides shock, vibration, rotation, and temperature measurements for drilling dynamics analysis, failure identification, and condition-based monitoring.

Shown with CuBIC®



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TECHNICAL SPECIFICATIONS

STEADY SCOUT			
Tool O.D.	6 3/4" (171 mm)	7" (177 mm)	8" (203 mm)
Overall Length	40' (12 m)	32.5' (9.9 m)	32.4' (9.8 m)
Hole Size	7.875" - 8.75" (200 mm - 222 mm)	8.50" - 8.75" (216 mm - 222 mm)	9-7/8" - 12-1/4" (229 mm - 305 mm)
Tool Inside Diameter	2.25" (57 mm)	2.25" (57 mm)	2.81" (71 mm)
Maximum Overpull to Re-Run	84,000 lbs (374 kN)	92,000 lbs (409 kN)	135,000 lbs (601 kN)
Maximum Tensile Pull to Yield	720,000 lbs (3,203 kN)	735,000 (3,269 kN)	1,020,000 lbs (4,537 kN)
Upper Connection	4-1/2" XH Box 4-1/2" IF Box		6-5/8" Reg Box
Lower Connection	4-1/2" XH Pin 4-1/2" IF Pin		6-5/8" Reg Pin



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