

VIBE SCOUT®

FRICITION REDUCTION TOOL



The Vibe Scout from Scout Downhole is a reliable and effective axial oscillation friction reduction tool that generates energy that travels the length of the drill string (lateral vibration tools only produce a small amount of energy in a localized area near the location of the tool). The Vibe Scout generates vibration via pressure pulses from a radially balanced control valve which delivers consistent pulsing frequency. In conjunction, an amplifier converts the pressure pulses into mechanical energy via the large pump open areas incorporated within the assembly. The amplifier has been designed specifically for this application, and as such, the output force is considerably larger than that of conventional Shock Subs, while also offering superior sealing integrity and reliability.

Unlike other friction reduction tools, every Vibe Scout is flow tested before deployment. Once the tool is at location, the Vibe Scout pressure drop can be adjusted by Scout's field support engineers to accommodate changes in parameters, ensuring every tool operates at maximum potential.

FEATURES
Axial oscillation
Amplifier designed for optimum frequency
Able to handle higher flow rates
External ability to adjust pressure drop at rig site
Offered in two frequencies to ensure MWD compatibility
Only one vibration tool is needed in most cases
* Can be embedded with CuBIC® sensors from Sanvean Technologies to record drilling dynamics data

* 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.



WHY CHOOSE VIBE SCOUT?
Axial vibration maximizes friction reduction
Reduction in erratic pulses and inconsistent performance
All tools are flow-tested prior to each deployment
Testing at rig site provides maximum benefit and reduces the number of tools required
Increased reliability due to adjustable pressure drop
Extensive tests with MWD systems
Improved weight transfer, drilling performance, and bit life

VIBESCOUT®

Over 11 Million Feet Drilled, Over 3600 Runs



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Vibe Scout System - Specifications

Tool O.D.	4.875" (124 mm)	5.25" (133 mm)	6.50" (165 mm)
Hole Size	5-7/8" - 6-3/4" (149 mm - 171 mm)	6-1/4" - 6 3/4" (158 mm - 171 mm)	7-7/8" - 8-3/4" (200 mm - 222 mm)
Flow Rate	150 - 400 GPM (568 L - 1514 L)	150 - 400 GPM (568 L - 1514 L)	400 - 750 GPM (1514 L - 2839 L)
Standard Frequency	4 - 11 Hz	4 - 11 Hz	5 - 9 Hz
Hi-Frequency			7.5 - 12 Hz
Optimal Pressure Drop	550 PSI	550 PSI	550 PSI
Temperature (STD)	320° F (160° C)	320° F (160° C)	320° F (160° C)
Temperature (Hi-Temp)	* 350° F (176° C)	* 350° F (176° C)	* 350° F (176° C)
Connection Options	3-1/2" IF XT39	4" FH XT39 DS 40 DS 42 Delta 425 CET43	4-1/2" IF 4-1/2" XH
Length	24.8' (7.56 m)	24.8' (7.56 m)	26.75' (8.15 m)
Weight	1,150 lbs (522 kg)	1,240 lbs (562 kg)	2,075 lbs (941 kg)
* Application Specific			

Scout Downhole is a leading provider of downhole drilling solutions. We believe in continual improvement; therefore, we design and manufacture tools that meet the challenges of the ever-evolving drilling industry. Along with a team of experienced industry professionals, our engineers are continuously developing drilling products that exceed industry expectations.

Visit us at scoutdownhole.com to learn more about Vibe Scout.

Shown with CuBIC

