

ZOOM™ DX

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SUSTAINABLE DRILLING

ZOOM™ DX

Drilling

The Zoom DX is a robust, user-friendly tool that is added to the drillpipe to enhance rotary drilling performance under the most challenging of wellbore conditions when drilling horizontal wells. The Zoom DX uses a specially designed positive displacement motor (PDM) power section to rotate our bespoke mass oscillation system that enables the drill string to break friction and maintain the string in forward momentum. In turn, this ensures smooth torque and RPM transfer through the string, mitigating the effects of string elasticity and the resultant stick slip and vibrations on the BHA.

Operating Principles

The ZOOM DX generates vibration on the X-Y axis, thereby eliminating the need for a shock sub since no Z-axis impact vibration is created. Amplitude and frequency of energy propagation is controlled by changing the flow configuration within the tool according to planned flow rates, and the ZOOM DX operates with all conventional fluids or two-phase flow and is compatible with all standard drill pipe. The ZOOM DX is MWD and LWD friendly, which means that the ZOOM DX can be run near them on the bottom hole assembly or multiple ZOOM DX can be adopted across the string.

- Minimal pressure drop (<180 psi) with no impact to MWD signals
- Weight transfer solution giving way to longer horizontal sections
- Removes string generated stick/slip
- Increasing rates of penetration
- Reduced BHA wear and downhole tool failure rates
- Reduced possibility of differential sticking
- Reduced wellbore fatigue
- Cross fluid compatibility
- Inhouse-designed placement program

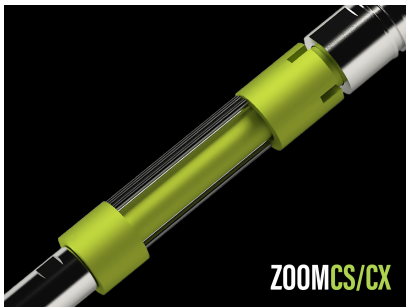
Zoom-The World's Most Versatile Sustainable Oilfield Tool



PARAMETERS	5" ZOOM	6.3/4" ZOOM
Flowrate	100-450 gpm	300-650 gpm
Pressure Drop	70 -130psi	70 -140psi
Temp Range	HT 450F	HT 450F
Max Overpull	135,000lbs	340,000lbs
ZOOM Attenuation frequency	On request	On request
Zoom Amplitude Range	On request	On request
Connection	As per Client	As per Client
Length	31ft	31ft
Weight	1,195lbs	2,170lbs
ID	1.8"	2"

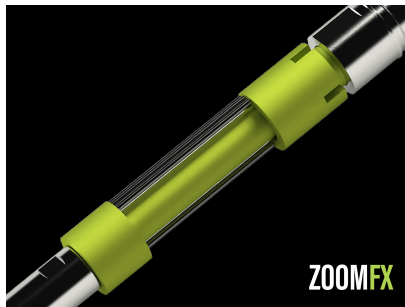
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