

SPECTRUM® e-MLT Electric Multilateral Tool

FOR ENHANCED RELIABILITY OF MULTILATERAL ENTRY

OVERVIEW

The SPECTRUM® e-MLT tool is an electric multilateral entry tool designed to be run with the SPECTRUM service suite. It provides enhanced reliability of multilateral entry by enabling more efficient, independent control over the orientation and kick-over functions.

Real time tool face, inclination, and azimuth readings provide precise positioning of the bottomhole assembly (BHA) at any point throughout the operation. This allows the kick-over subassembly to be accurately oriented “on command” to align with the lateral access window, ensuring precise entry every time and eliminating non-productive time (NPT).

The flexible configuration accommodates various kick-over subassemblies, such as a unique, segmented Hydra-Flex™ steering component for customized kick-over angles activated by hydraulic pressure, or a conventional hydraulic kick-over knuckle.

When complemented with the Pulsonix® tuned frequency amplitude (TFA) fluidic oscillator, the SPECTRUM e-MLT tool helps to optimize your challenging stimulation applications. It can also be paired with the SPECTRUM 360 camera to provide direct visualization of the access window, orient accordingly, and confirm entry in real time.



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APPLICATIONS

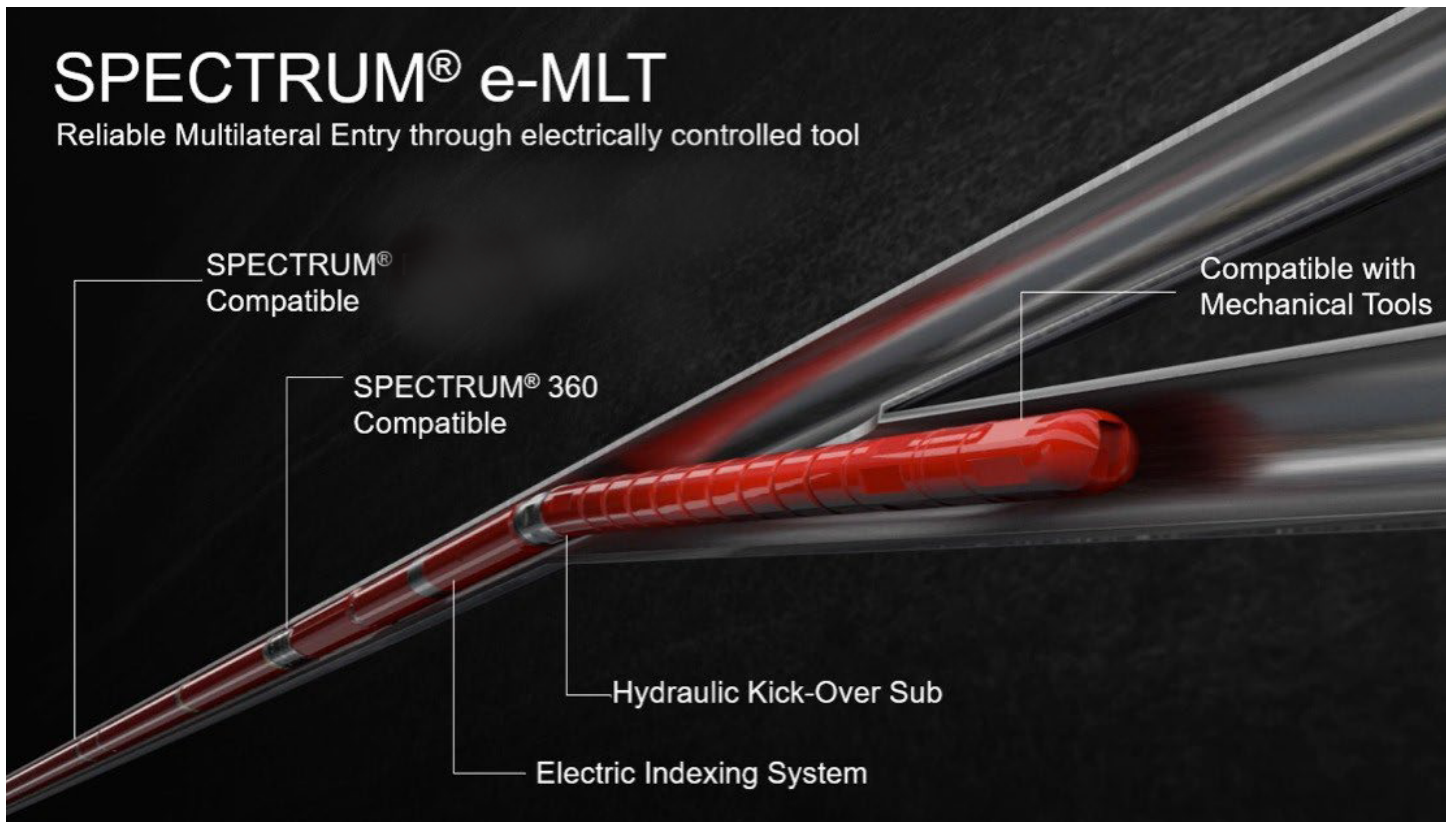
- » Multilateral entry
- » Oriented perforating
- » Cleanouts
- » Acidizing
- » Water and gas shut-off
- » Organic and scale removal

BENEFITS

- » Improved reliability of multilateral access with real-time control of the tool
- » Can access multiple laterals in a single run
- » Compatible SPECTRUM 360 camera
- » Compatible with acids, solvents, and nitrogen
- » Eliminates NPT

FEATURES

- » Electrically orient BHA to any position on demand
- » Real-time readout of actual tool position during an operation
- » Independent actuation control to make discreet adjustments of orientation and kick-over
- » Tool face, inclination, azimuth, gamma ray (GR), and casing collar locator (CCL) readings in real time
- » Real-time visualization of downhole with SPECTRUM 360 camera



SPECTRUM® e-MLT electric multilateral tool improves the reliability and efficiency of multilateral intervention applications.

Specifications

Outside diameter (OD)	2-1/4 in.
Maximum pump rate (clean fluid)	2.2 bpm
Pressure/temperature rating	15,000 psi / 350°F
Real time sensors	CCL, GR, Tool face, Inclination, Azimuth

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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