

# Fuzion™-EH Electro-Hydraulic Downhole Wet-Mate Connector

## BROADEN DATA REACH AND WELLBORE CONTROL TO UNDERTAKE COMPLEX COMPLETIONS

### OVERVIEW

The Fuzion™-EH electro-hydraulic downhole wet-mate connector is part of the Fuzion™ Suite and was developed for SmartWell® intelligent completions systems where disconnect and reconnect of the tubing string and associated electric and hydraulic line umbilical are desired. This electro-hydraulic connector also allows for reconnection and isolation of the tubing, electric and hydraulic umbilical to the lower completion when the tubing is redeployed. Compact in design, the secure latching mechanism can be delivered with the enhanced cut to release design, or with the patented Halliburton Soft-Release technology, which will provide eight field configurable methods to disconnect, preventing impact and preserving the system integrity downhole.

### FEATURES

- » Compact and concentric design
- » Up to six hydraulic control line channels
- » Fully compatible with DataSphere® permanent monitoring suite and SmartWell completion systems
- » Multi-configurable release including
- » Oil and water base hydraulic fluid compatibility
- » Debris-tolerant design
- » Field-redressable
- » Field-proven and field testable control line FMJ connectors
- » Compatible for a wide range of casing applications
- » Improved seal bore design for safe stabbing procedures

### BENEFITS

- » Reduce costs associated with workovers
- » Minimize risks when re-establishing electric and hydraulic integrity
- » Prevent abrupt tubing movement when disconnecting



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Fuzion™-EH Wet-Mate Connector

- » Enable operational flexibility in case of unexpected completion scenarios
- » Single electric (TEC) connection

#### APPLICATIONS

- » Workovers
  - Allows for recovery of the upper completion without removing the intelligent completion components
  - Safety valve (SSSV) or electric submersible pump (ESP) replacement.
- » Dual-trip Completions
  - Capability to complete multizone extended reach (ERD) and multilateral (MLT) wells
- » Formation isolation during completion and workovers

#### Fuzion™-EH Hydraulic Downhole Wet-Mate Connector Specifications

| End Connection in. (mm) | Tool OD in. (mm) | Tool ID in. (mm) | Pressure Rating psi (MPa) |
|-------------------------|------------------|------------------|---------------------------|
| 3-1/2 (88.9)            | 5.95 (151.13)    | 2.88 (73.15)     | 5,000 (34.47)             |
| 4-1/2 (114.3)           | 8.30 (210.82)    | 3.75 (92.25)     | 7,500 (51.71)             |

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