OVERVIEW

The Evo-Trieve® EB0 retrievable straddle is a high performance, large bore pack-off straddle device which can be used to seal off damaged or perforated production tubing or casing. Evolved from the successful Evo-Tieve bridge plug and packer product family, the Evo-Trieve straddle system offers improved performance for both production and injection applications.

Run as a single-trip installation, the straddle incorporates dual packing elements providing bidirectional bubble-tight pressure sealing, while the multi-cone slip system provides a large slip-to-tubing contact area within unsupported tubing. An intermediate spacer joint assembly can be lengthened in order to extend the overall straddle length to suit operational conditions.

The Evo-Trieve retrievable straddle is suitable for a range of well environments and can be run and retrieved with conventional well intervention deployment methods in conjunction with field-proven Halliburton service tools. The straddle is V0 qualified per ISO 14310 to 5000 psi and up to 275°F.

FEATURES

» Standard H₂S packing element system for critical well deployment with reduced inventory management
» Packing element positioned above slips for improved debris protection in adverse operational conditions
» Robust slip system helps prevent over-expansion in set position while mechanically locked in retracted position when released
» Improved body lock ring system retains element pack-off force during pressure reversals
» Incorporates field-proven sleeve type release mechanism
» Anti-reset ring locks out external components improving retrieval capabilities
**BENEFITS**

- Modular design allows for variable straddle lengths between elements to suit different operational requirements.
- Controlled setting action and slip design helps ensure the stress exerted on the casing or tubing is evenly distributed thus preventing damage.
- Mechanically retained slips reduce the risk of premature setting while running in hole and hanging up on retrieval.
- Packing element design returns to its original shape upon release reducing the risk of hanging up on retrieval.
- Retrieved through restriction as part of development program after exposure to maximum temperature and pressure effect.
- May be run and retrieved on slickline, electric line, coiled tubing or work string.

**APPLICATIONS**

The Evo-Trieve EB0 retrievable straddle is a modular utility tool designed to adapt to a wide range of monobore tubing isolation applications.

- Used primarily as an ISO qualified isolation device to restore pressure integrity within leaking production and injection completions.
- Can also be used within the sandface section of wellbores for water and gas shutoff for production optimization purposes.
- Used to isolate redundant or leaking downhole completion tools such as side-pocket mandrels or chemical injection subs.
- Can be used to repair damaged sand screens and mitigate the effects of sand production.

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**Evo-Trieve® EB0 Retrievable Straddle**

<table>
<thead>
<tr>
<th>Casing/Tubing</th>
<th>Maximum OD</th>
<th>Minimum ID</th>
<th>To Pass Restriction</th>
<th>Pressure Rating (VO Tested)</th>
<th>Temperature Rating</th>
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<tbody>
<tr>
<td><strong>Size</strong></td>
<td><strong>Weight</strong></td>
<td><strong>mm</strong></td>
<td><strong>in.</strong></td>
<td><strong>mm</strong></td>
<td><strong>psi</strong></td>
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<td>5 1/2</td>
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