RFID OptiROSS™ Remotely Operated Sliding Sleeve
Manages flow from individual production zones remotely

Applications
- Managing flow from individual production zones
- Eliminating the need for washpipe, intervention, wires, or control lines
- Highly fractured wells

Features and Benefits
- Eliminates the need for washpipe, control lines, intervention, wires, services, or crew
- Facilitates tests of individual compartments and select optimized well profile
- Features selective remote opening and closing through radio-frequency identification (RFID) technology
- Protects seals when opening in over-and-underbalanced applications through controlled equalization
- Minimizes pressure drops
- Provides operational reliability through built-in hydraulic reservoir
- Features a robust, reliable, and simple design
- Reverts to a standard mechanical sliding sleeve at the end of battery life

Tool Description
The Weatherford OptiROSS remotely operated sliding sleeve combines advanced well sliding-sleeve technology with RFID technology to provide an interventionless, control-line-free well management device. The tool provides remote means of managing flow from individual production zones with no limit to the number of sleeves that can be installed in a single monobore completion.

The tool is preprogrammed to operator-specific applications and is opened and closed by circulating RFID tags, frequency-modulated pressure signatures, timers, or a combination of these. The debris-tolerant tool does not rely on any debris-sensitive springs, check valves, nor complex piston arrangements during operation; thus, its reliability is not compromised by the need for precharged or well-sensitive piston chambers.
RFID OptiROSS™ Remotely Operated Sliding Sleeve

Specifications*

<table>
<thead>
<tr>
<th>Size</th>
<th>Maximum OD</th>
<th>Minimum ID</th>
<th>Pressure Rating</th>
<th>Absolute Pressure Rating</th>
<th>Temperature</th>
<th>Minimum Flow Area</th>
<th>Maximum Differential Opening Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.50 in.</td>
<td>5.85 in. (149 mm)</td>
<td>2.81 in. (71.4 mm)</td>
<td>7,500 psi</td>
<td>15,000 psi (103.4 MPa)</td>
<td>39 to 302°F (4 to 150°C)</td>
<td>6.20 in.² (40 cm²)</td>
<td>1,500 psi (10.3 MPa)</td>
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<tr>
<td>5.50 in.</td>
<td>7.75 in. (196.9 mm)</td>
<td>4.31 in. (109.5 mm)</td>
<td>12,500 psi</td>
<td>16.33 in.² (105.4 cm²)</td>
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<tr>
<td>5.50 in.</td>
<td>8 in. (203.2 mm)</td>
<td>4.56 in. (115.8 mm)</td>
<td>15,000 psi</td>
<td>16.33 in.² (105.4 cm²)</td>
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</tr>
</tbody>
</table>

* Customer-specific specification variants are available upon request.