OVERVIEW
As part of Halliburton’s premiere Large Bore Subsea Safety System, the Large Bore Subsea Umbilical and Reeler Units provide hydraulic or electrohydraulic (EH) control of the subsea safety systems. Subsea reeler units are pneumatically powered using standard rig air. Sheaves specifically designed for each umbilical unit are included and shipped with the reeler units and provide the optimal dynamic bend radius for the umbilical.

FEATURES
» DNV-certified, including drop testing
» Hydraulic reelers are outfitted with multiple hydraulic isolation valves which provide additional control and protection
» Hydraulic slip rings provide control and monitoring of essential functions while rotating the drum into or out of the hole
» Electrical connections are continuously monitored through electrical slip rings to ensure functionality at all times
» Reeler units include automatic level-wind capability for efficient deployment and retrieval
» Safety interlock systems included to help protect personnel and equipment from unexpected operation
» Umbilical units readily handle all industry-standard control fluids as well as chemical treatment fluids, including methanol and glycol
» Integrated stab plate eases makeup and provides additional protection

BENEFITS
» For direct hydraulic operation, the unit can be paired with the subsea hydraulic power unit and ESD panels, providing quick-response control of subsea systems, including the subsea safety tree, the retainer valve, and unlatch functions
» For EH operations, the unit can be paired with the Dash Large Bore EH Safety System to provide fastest-in-the-industry control of your downhole safety functions
» For deepwater completions with permanent downhole gauges, an EH umbilical unit can minimize umbilical units in the riser, reducing risk and ensuring reliable operations
» Umbilical and reeler units are available with a variety of umbilical lengths or can be manufactured to suit project requirements
### Equipment Specifications

#### Large Bore Hydraulic Reeler Unit

<table>
<thead>
<tr>
<th>Length ft (m)</th>
<th>3000 (914)</th>
<th>5000 (1524)</th>
<th>8000 (2438)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Cores</td>
<td>21</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>Outer Diameter in. (mm)</td>
<td>3.465 (88)</td>
<td>3.465 (88)</td>
<td>3.465 (88)</td>
</tr>
<tr>
<td>Working Pressure psi (bar)</td>
<td>15,000 (1034)</td>
<td>15,000 (1034)</td>
<td>15,000 (1034)</td>
</tr>
<tr>
<td>Reeler Dimensions ft (m) (l x w x h)</td>
<td>15.9 x 12.5 x 12.1 (4.85 x 3.8 x 3.7)</td>
<td>11.6 x 7.6 x 11.6 (3.54 x 2.34 x 3.56)</td>
<td>15.4 x 10.1 x 15.4 (4.7 x 3.1 x 4.8)</td>
</tr>
<tr>
<td>Weight lb (kg)</td>
<td>24,200 (11,000)</td>
<td>25,300 (11,500)</td>
<td>62,700 (28,500)</td>
</tr>
</tbody>
</table>

#### Large Bore Electrohydraulic Reeler Unit

<table>
<thead>
<tr>
<th>Length ft (m)</th>
<th>5000 (1524)</th>
<th>8,800 (2683)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Cores</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>Electrical Conductors</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Outer Diameter in. (mm)</td>
<td>3.780 (96)</td>
<td>3.780 (96)</td>
</tr>
<tr>
<td>Working Pressure psi (bar)</td>
<td>15,000 (1034)</td>
<td>15,000 (1034)</td>
</tr>
<tr>
<td>Reeler Dimensions ft (m) (l x w x h)</td>
<td>14.7 x 9.2 x 15.1 (4.5 x 2.8 x 4.6)</td>
<td>15.14 x 13.7 x 14.9 (4.61 x 4.20 x 4.55)</td>
</tr>
<tr>
<td>Weight lb (kg)</td>
<td>50,600 (23,000)</td>
<td>85,800 (39,000)</td>
</tr>
</tbody>
</table>

### Notes:
- Refer to equipment databook for individual equipment specifications.
- These ratings are guidelines only.

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

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.