The below tension ring rotating control device is used during drilling and tripping for making a seal around the drillstring. Its purpose is designed to contain hydrocarbons or other wellbore fluids and prevent their release to the atmosphere.

Pressure ratings for the SRS and internal seals have been determined through in-house lab testing with a test plug installed. Due to the uncontrolled environment of well drilling operations, Schlumberger, its operating units, agents, and affiliates make no warranty, either expressed or implied, on the pressure ratings contained herein. Schlumberger does not, under any circumstances, recommend that its RCDs be used as primary blowout prevention equipment. Pressure ratings vary by sealing element material and drillpipe size. Contact Schlumberger to discuss application-specific requirements.

### Applications
- Operations with a MPD and riser-gas handling (RGH) integrated riser joint
- Drillships and semisubmersible rigs
- MPD, pressurized mud-cap drilling, underbalanced drilling, and containment
- Standalone operation, as part of the integrated riser joint, or the Schlumberger integrated deepwater MPD system

### Benefits
- Saves time during installation and removal of the sealed rotating system (SRS)
- Enables drilling to continue while isolating potentially harmful wellbore fluids
- Prevents release of the SRS in the presence of wellbore pressure

### Features
- Operates below tension ring
- 18¾-in pass-through
- Redundant, reliable design that requires no wear sleeve
- Piston land-and-lock mechanism
- Integrated @balance Speed* sealed rotating system
- Dual sealing elements
- Single-trip deployment of the SRS
- API 16RCD monogrammed
- Multiple ways to confirm latching integrity
- Single-interface connection for hydraulic and controls
- Instrumented electronics for measurement and sensing
- 4,000,000-lbf tensile rating
- Compatible with any riser system
- Submersible
- NACE compliant

### Rotating Control Device Housing Specifications

<table>
<thead>
<tr>
<th></th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottom Flange</td>
<td>21¼-in API 10,000</td>
</tr>
<tr>
<td>Top Flange</td>
<td>21¼-in API 10,000</td>
</tr>
<tr>
<td>Outlet</td>
<td>None</td>
</tr>
<tr>
<td>Outside Diameter</td>
<td>46.75 in</td>
</tr>
<tr>
<td>Height</td>
<td>86 in</td>
</tr>
</tbody>
</table>
Below Tension Ring Rotating Control Device

ACCESSORIES
- Hydraulic power unit
- Remote human-machine interface
- Umbilical reeler
- @balance Speed sealed rotating system: sealed bearing assembly with dual sealing elements
- SRS stabbing stand and transportation stand
- 6¼-in FH and 5½-in FH SRS running tool
- Logging adapter
- Pressure test plug
- Integrated 1-in equalization line
- Housing transportation skid
- Toolbox

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum SRS pass-through</td>
<td>9⅛ in</td>
</tr>
<tr>
<td>Rotating working pressure†</td>
<td>Application specific</td>
</tr>
<tr>
<td>Static test pressure†</td>
<td>2,500 psi</td>
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<tr>
<td>Maximum rotary speed</td>
<td>200 rpm</td>
</tr>
<tr>
<td>BTR housing weight</td>
<td>25,170 lbm</td>
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<tr>
<td>Rotary and top drive capable</td>
<td>Yes</td>
</tr>
<tr>
<td>SRS OD</td>
<td>18 ¾ in</td>
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<tr>
<td>NACE compliant</td>
<td>Yes</td>
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<tr>
<td>Submersible</td>
<td>300 ft</td>
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<tr>
<td>Sealing elements</td>
<td>Dual</td>
</tr>
<tr>
<td>Sealing element elastomer compounds</td>
<td>Natural rubber, nitrile, polyurethane, butyl</td>
</tr>
</tbody>
</table>

† Actual field operational pressure ratings are dependent on several factors, including the sealing element compound, drillpipe size, and mud properties.

Below tension ring rotating control device.