

Below Tension Ring Rotating Control Device

18³/₄-in submersible rotating control device

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

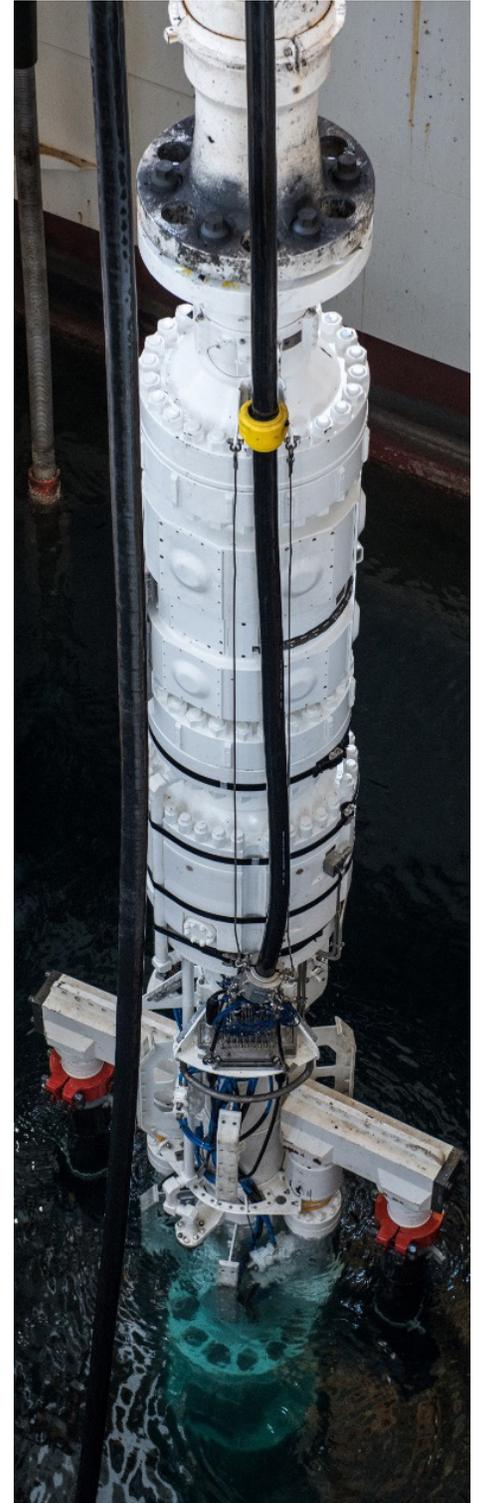
- Operates below tension ring
- 18³/₄-in pass-through
- Redundant, reliable design that requires no wear sleeve
- Piston land-and-lock mechanism
- Integrated @balance Speed* sealed rotating system
- Dual sealing elements
- Single-trip deployment of the SRS
- API 16RCD monogrammed
- Multiple ways to confirm 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

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.

Rotating Control Device Housing Specifications

Bottom Flange	21 ¹ / ₄ -in API 10,000
Top Flange	21 ¹ / ₄ -in API 10,000
Outlet	None
Outside Diameter	46.75 in
Height	86 in



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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
- 6⁵/₈-in FH and 5¹/₂-in FH SRS running tool
- Logging adapter
- Pressure test plug
- Integrated 1-in equalization line
- Housing transportation skid
- Toolbox

Specifications

Maximum SRS pass-through	9 ¹ / ₄ in
Rotating working pressure [†]	Application specific
Static test pressure [†]	2,500 psi
Maximum rotary speed	200 rpm
BTR housing weight	25,170 lbm
Rotary and top drive capable	Yes
SRS OD	18 ³ / ₄ in
NACE compliant	Yes
Submersible	300 ft
Sealing elements	Dual
Sealing element elastomer compounds	Natural rubber, nitrile, polyurethane, butyl

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



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