

RLTP 650

Retrievable thermal hydraulic-set liner top packer



**Rated to 343 degC
[650 degF]**

APPLICATIONS

- Liner top debris management throughout the life of the well
- Thermal injection
- In situ thermal environments
- SAGD wells
- Extreme-temperature wells

BENEFITS

- Provides fullbore access to liner
- Enables rig pump setting with low initial setting pressure
- Simplifies reaching full depth by enabling rotation and circulation during deployment
- Minimizes well control risks by isolating pressure communication ports and eliminating leak paths from the tubing to annulus

FEATURES

- One-piece integral mandrel
- Fully contained deployment system that mitigates interference with the setting sequence, due to circulating pressure
- Large beveled upper sealbore
- Capability for full tieback isolation
- External deployment clutch system
- Dynamically qualified sealing element
- Thermally activated port isolation technology (TAPIT)
- NACE MR0175 compliance for environments containing H₂S

The RLTP 650 retrievable thermal hydraulic-set liner top packer can be used in thermal injection or production applications. The RLTP 650 packer uses the unique conditions of the SAGD environment to continuously supply energy to the dynamic sealing element system throughout the life cycle of the well.

The RLTP 650 packer is designed to match liner strength specifications and can be rotated and circulated into position.

Operation flexibility

The RLTP 650 packer is designed to be run and set using a hydraulic running tool, which is engineered for high torque rates and axial loads. Surface setting pressures are adjustable by manipulating the initial setup for the running tool.

The RLTP 650 packer is set by dropping a wiper plug and pressuring up on the workstring. After the element is packed off, the running tool hydraulically disconnects from the liner without workstring manipulation. The running tool is retrieved by straight pickup.

Compact running tool

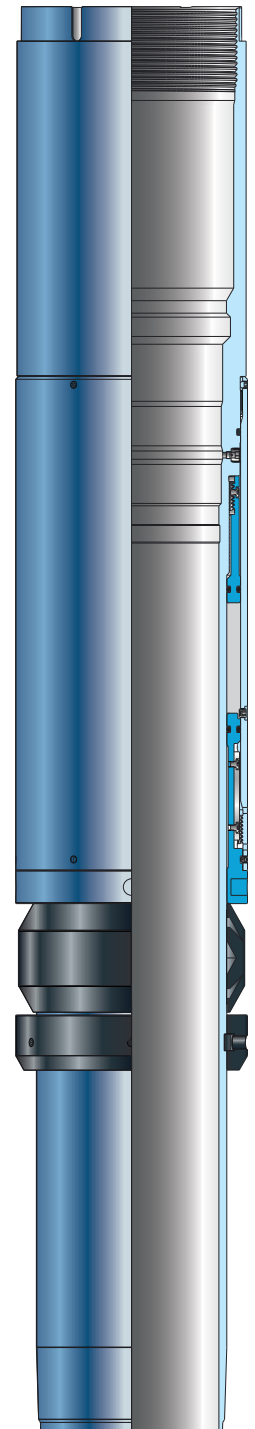
The running tool is compact, making it ideal for placing liners in highly deviated wells. The primary release mechanism is a pressure-balanced dart, and the tool includes a secondary release mechanism for redundancy.

RLTP 650 Packer Specifications

Size, in [mm]	Weight Range, lbm/ft [kg/m]	Packer OD, in [mm]
7.000 × 9.625 [177.8 × 244.5]	36.0–47.0 [53.6–69.9]	8.375 [212.7]
8.625 × 11.750 [219.1 × 298.5]	54.0–60.0 [80.4–89.3]	10.500 [266.7]

RLTP 650 Packer Hydraulic Running Tool Specifications

Size, in [mm]	Max. OD, in [mm]
7.000 × 9.625 [177.8 × 244.5]	8.375 [212.7]
8.625 × 11.750 [219.1 × 298.5]	10.375 [263.5]



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