

LINER SAGD PACKER, ROTATIONAL (LSPR)

UNIT 102

The **TechWest SAGD Packer, Rotational (LSPR)** is a versatile liner high-temperature packer that can be used in Thermal operations. Setting the LSPR Packer provides a reliable seal between the openhole and the cased hole.

The LSPR features rotating cantillations on the top of the mandrel which permits the transmission of torque to the liner string below. The packer mandrel also contains the running thread which provides the connection to the running tool. A latch setting bore is mounted on the top which mates with the setting sleeve on the running tool for hydraulic actuation. A short sealing surface is provided either within the upper part of the mandrel or via a sub on the bottom. The Thermal Element and Seals are compatible with temperatures and pressures experienced in Thermal Heavy Oil Applications. The Packer is supplied with a latched bore at the top for remedial purposes.

The Liner is set using a Setting Plug (Product 111), or a ball if set in the vertical and the Hydraulic Rotating Running Tool (Product 230).

FEATURES

- Customizable with or without hold down slips
- Economical reliable design

OPERATION

The LSPR is set using type HRN (Rotational) Hydraulic Setting Tool screwed into its barrel using a left-hand thread and floating nut. When setting the packer, the setting tool is pressured up to set and then release the thermal liner assembly.

When used to set a screen, the type PTPRR may be retrieved by running the tie-back latch assembly with drill stem connections

When used to set a screen, the type LLP (without hold-down slips) may be retrieved by running a spear to catch the inner barrel.

A wide variety of optional configurations are available upon request.

