

## RSLH-LS

### Long-stroke retrievable mechanically set scab liner hanger

#### APPLICATIONS

- Remedial operations
- Workover operations
- Thermal heavy oil producers where formation shifts have caused damage to the casing

#### BENEFITS

- Remediates wellbores after catastrophic damage to the casing
- Enables large-diameter completion tubulars to be run
- Improves cementing integrity by enabling tubular movement and rotation during cementing
- Simplifies running and retrieval

#### FEATURES

- Fullbore internal diameter
- Engineered, simple, field-proven design
- Top and bottom anchoring slips
- NACE MR0175 compliance for environments containing H<sub>2</sub>S

The RSLH-LS long-stroke retrievable mechanically set scab liner hanger suspends heavy-wall casing joints across damaged zones to prevent complete collapse of the wellbore after formation shifting in thermal wells. It enables tubular movement and rotation during cementing operations and has a large internal diameter to allow passage of standard-size tubulars.

The RSLH-LS liner hanger is run and set by deploying a mechanical setting tool. The tailpipe assembly is made up below the hanger and run to depth. Upon reaching the setting depth, the workstring is lifted enough to stroke the jay pin on the liner hanger to the top of the jay slot, and ¼-turn left-hand torque is held while lowering the string to set the bottom slips. After the lower slips are set and the hanger takes weight, the remedial operation can take place. The string is then lifted enough to allow for travel up and down during the operation.

#### Setting tool design simplifies release and cleaning

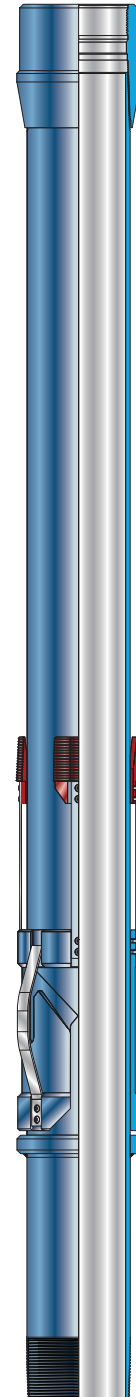
The setting tool features a floating running nut and bearing for ease of release and can be flushed for cleaning. It is also adaptable to liner top debris management systems.

#### RSLH-LS Liner Hanger Specifications

Size, in [mm]	Weight Range, lbm/ft [kg/m]	Gauge OD, in [mm]
5.000 × 7.000 [127.0 × 177.8]	23.0–26.0 [34.2–38.7]	6.000 [152.4]
6.625 × 8.625 [168.3 × 219.1]	24.0–36.0 [35.7–53.6]	7.500 [190.5]
7.000 × 9.625 [177.8 × 244.5]	36.0–47.0 [53.6–69.9]	8.375 [212.7]

#### RSLH-LS Liner Hanger Setting Tool Specifications

Size, in [mm]	Max. OD, in [mm]	End Connections, in [mm]
5.000 [127.0]	4.980 [126.5]	2.875 [73.0] EUE
5.500 [139.7]	5.480 [139.2]	2.875 [73.0] EUE
6.625 [168.3]	6.813 [173.1]	2.875 [73.0] EUE
7.000 [177.8]	7.250 [184.2]	2.875 [73.0] EUE



RSLH-LS liner hanger.