

RLHP 650

Retrievable dual-grip thermal hydraulic-set liner hanger packer



Rated to 343 degC
[650 degF]

APPLICATIONS

- Thermal applications
- Remedial wellbore repair

BENEFITS

- Simplifies installation by enabling packer to be set without workstring manipulation
- Maintains setting depth during thermal cycling
- Improves operational flexibility with adjustable surface setting pressures
- Streamlines intervention by enabling well tractor transition from intermediate casing through packer and into liner without a subsidiary string

FEATURES

- Large beveled reentry sleeve
- Nonelastomer seal with static element
- Standard tools or spears used for retrieval
- Ability to form a casing patch for remedial wellbore repair when combined with the MH Patch Bottom
- Large throughbore
- Dual-grip top and bottom anchoring slips to ensure anchoring while facilitating retrieval
- Ability to be used as liner hanger, tailpipe hanger, or bridge plug (with bullnose)
- NACE MR0175 compliance for environments containing H₂S

The RLHP 650 retrievable dual-grip thermal hydraulic-set liner hanger packer is engineered for environments where conditions exceed temperature and pressure limits for elastomers. Instead, it uses a proprietary nonelastomer thermal element and is capable of an initial pressure test to 3,046 psi [21 MPa].

Operation

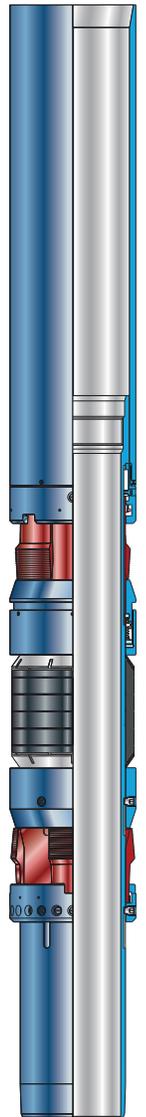
Designed with hanger slips and top hold-down slips, the RLHP 650 packer is run and set using a hydraulic setting tool. Surface setting pressures are adjustable by manipulating the initial setup for the setting tool.

The RLHP 650 packer is conveyed with a hydraulic setting tool and set by dropping a ball or using a plugging system and pressuring up on the workstring. After the thermal element is packed off, the setting tool hydraulically disconnects from the liner packer without string manipulation and is retrieved to surface.

The RLHP 650 packer can be retrieved if required using standard retrieval equipment.

RLHP 650 Packer Specifications

Size, in [mm]	Weight Range, lbm/ft [kg/m]	Packer OD, in [mm]
2.875 × 4.500 [73.0 × 114.3]	9.5–12.6 [14.1–18.8]	3.771 [95.8]
3.500 × 5.500 [88.9 × 139.7]	15.5–17.0 [23.1–25.3]	4.625 [117.5]
5.000 × 7.000 [127.0 × 177.8]	23.0–29.0 [34.2–43.2]	5.900 [149.9]
6.625 × 8.625 [168.3 × 219.1]	28.0–40.0 [41.7–59.5]	7.500 [190.5]
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]	38.0–60.0 [56.6–89.3]	10.375 [263.5]



RLHP 650 liner hanger packer.

RLHP 650

RLHP 650 Packer Setting Tools Specifications

Size, in [mm]	Max. OD, in [mm]
9.625 [244.5]	8.375 [212.7]
11.750 [298.5]	10.375 [263.5]

RLHP 650 Packer Setting Tool with Running Nut Specifications

Size, in [mm]	Max. OD, in [mm]
7.000 [177.8]	5.875 [149.2]
8.625 [219.1]	7.500 [190.5]

RLHP 650 Packer Setting Tool with Collet Specifications

Size, in [mm]	Max. OD, in [mm]
7.000 × 5.000 [177.8 × 127.0]	5.875 [149.2]
9.625 × 7.000 [244.5 × 177.8]	8.250 [209.6]



RLHP 650 setting tool.

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