

MH THERMAL LINER HANGER

Thermal Liner Packer Hanger



Rated up to 15,000 psi
[103 MPa]



Rated up to 649 degF
[343 degC]

APPLICATIONS

- Thermal Liner Hanger
- Remedial Well Bore Repair

FEATURES & BENEFITS

- Large beveled re-entry sleeve Large through bore
- Top and bottom anchoring slips
- Metal to metal seal with static element
- NACE MR0175 compliant for environments containing H₂S
- Thermal element rated to 343° C
- No work string manipulation required to set packer
- Standard tools/spears used for retrieval
- Liner or tailpipe placement control (anchored during thermal cycling)
- Adjustable surface setting pressures
- Tested and verified for well tractor transition from intermediate casing, through packer, and into liner without a slave string



Description

The MH Thermal Liner Hanger Packer is a hydraulically set liner hanger packer for use in thermal applications.

With a temperature rating of 343° C, the metal to metal system in conjunction with the thermal element is capable of an initial pressure test to 21 MPa. This packer has both hanger slips as well as top hold down slips.

The design for this product includes no elastomers. It is engineered for harsh environments which exceed the temperature and pressure limits for elastomers, such as O-rings, packing and rubber compounds.

Applications

The MH Thermal Liner Hanger Packer is designed for thermal applications. It is primarily used when it is necessary to have top and bottom anchoring slips, yet still be fully retrievable. This packer is utilized as a liner hanger, tailpipe hanger, bridge plug (with bullnose), and can be combined with the MH Patch Bottom to form a casing patch for remedial well bore repair.

Operation

The MH Thermal Liner Hanger Packer is designed to be run and set utilizing a hydraulic setting tool which is engineered for producing high setting forces and handling high axial loads. Surface setting pressures are adjustable by manipulating the initial setup for the setting tool.

The MH Thermal Liner Hanger Packer is conveyed with a hydraulic setting tool and set by dropping a ball, or utilizing a plugging system, and pressuring up on the work string. Once the thermal element is packed off, the setting tool hydraulically disconnects from the liner packer with out string manipulation, and is retrieved to surface.

The MH Thermal Liner Hanger Packer can be retrieved if required, by utilizing standard retrieval equipment.

MH THERMAL LINER HANGER PACKER SPECIFICATIONS

Size in [mm]	Weight Range lb/ft [kg/m]	Packer O.D. in [mm]
2.875 x 4.50 [73.0 x 114.3]	9.5 - 12.6 [14.1 - 18.7]	3.771 [95.8]
3.50 x 5.50 [88.9 x 139.7]	15.5 - 17.0 [23.1 - 25.1]	4.625 [117.5]
5.00 x 7.00 [127.0 x 177.8]	23.0 - 29.0 [34.2 - 43.2]	5.90 [149.9]
6.625 x 8.625 [168.3 x 219.1]	28.0 - 40.0 [41.7 - 59.5]	7.50 [190.5]
7.00 x 9.625 [177.8 x 244.5]	36.0 - 47.0 [53.6 - 69.9]	8.375 [212.7]
8.625 x 11.750 [219.1 x 298.5]	38.0 - 60.0 [56.6 - 89.3]	10.375 [263.5]

