

MH THERMAL BRIDGE PLUG

Thermal completion technology

APPLICATIONS

The MH Thermal Bridge Plug is designed for thermal applications. It is designed specifically for temporary well bore suspension in thermal applications, or utilized for zonal isolation.

FEATURES & BENEFITS

- Large beveled re-entry sleeve
- Top and bottom anchoring slips
- MH Bridge Plug has top and bottom 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
- Standard tools/spears used for retrieval
- Adjustable surface setting pressures

Description

The MH Thermal Bridge Plug is part of the MH family of thermal completion technology. It is a hydraulically set bridge plug for use in thermal applications. It has a temperature rating of 343° C, and utilizes Schlumberger's metal to metal system in conjunction with a thermal element. The design for this product includes no elastomers. It is engineered for harsh environments that exceed the temperature and pressure limits for elastomers, such as o-rings, packing and rubber compounds.

Operation

The MH Thermal Bridge Plug 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 Bridge Plug 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 for the liner packer without string manipulation, and is retrieved to surface. The MH Thermal Bridge Plug can be retrieved if required, by utilizing standard fishing equipment.

MH THERMAL BRIDGE PLUG SPECIFICATIONS

Size in (mm)	Weight Range lb/ft (kg/m)	Packer O.D. in (mm)
7.000 [177.8]	23.0 - 29.0 [34.2 - 43.2]	5.900 [149.9]
9.625 [244.5]	36.0 - 47.0 [53.6 - 69.9]	8.375 [212.7]
11.750 [298.5]	38.0 - 60.0 [56.6 - 89.3]	10.375 [263.5]



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