

SRH Plug

POSITIVE PLUG AND NIPPLE SYSTEM FOR HIGH PRESSURE/HIGH TEMPERATURE (HP/HT)

OVERVIEW

SRH high-pressure plugs are designed for use in extreme temperature and pressure environments and use the top no-go location and is designed such that pressure from above and below is held by key/nipple engagement. Special non-elastomer V-packing stacks are gas-tight qualified up to 25,000 psi at 450°F.

FEATURES

- » Robust and simple uni-body style plug with one moving part (key expander) eliminates internal leak paths
- » V0-qualified high-pressure/high-temperature (HP/HT) non-elastomer seal stack
- » 3 x 45° loading surfaces on key above and below, maximizing key bearing area
- » Up to 25,000-psi pressure rating at 450°F
- » Metal-to-metal (MTM) shear plug for equalizing in pump-through type
- » Holddown feature locks plug in the set position

BENEFITS

- » Bubble-tight seal performance at ultra-high pressures and temperatures
- » Key/nipple profile configuration provides ultra-high-pressure capability while minimizing component stress levels
- » All seals are inert to all known well fluids and are unaffected by rapid gas decompression
- » Pump-through plug type allows for well kill while installed in the nipple profile
- » Pre-install capabilities of the positive-type plug in the completion helps eliminate the need to run wireline to set the plug body
- » Running tool does not release until lock is correctly and fully set
- » Pulling tool will not engage unless pressure equalizes across the plug



SRH Positive Plug

APPLICATIONS

SRH plugs are available in, pump-through and positive type. The pump-through type incorporates a poppet that has a MTM seal backed up by an HP/HT non-elastomer V-packing stack. A MTM knockout plug is provided for equalization. A test prong can be run to convert the pump-through plug into a positive plug for testing from above. The two-trip prong-type plug is a positive plug with no pump-through feature. The packing on the prong uses the same type of HP/HT V-packing stacks as used on the plug body. The prong is pressure balanced for easy removal under high-pressure differential to allow for equalizing before retrieving the plug.



SRH Pump-Through Plug



*SRH Pump-Through Plug
with Positive Prong Installed*

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