SRH Plug
Positive Plug and Nipple System for HPHT

Halliburton SRH high-pressure plugs are designed for use in extreme temperature and pressure environments. The SRH plug uses 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)
• HPHT non-elastomer seal stack “V0” qualified
• 3 x 45 deg loading surfaces on key above and below, maximizing key bearing area
• Up to 25,000 psi pressure rating at 450°F
• MTM shear plug for equalizing in pump-through type
• Hold-down feature locks plug in the set position

Benefits
• Uni-body design eliminates internal leak paths
• 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 eliminating the need to run wire line 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 plug
SRH plugs are available in two versions, pump-through type and positive type.

The pump-through type incorporates a poppet which has a metal-to-metal (MTM) seal backed up by a HPHT 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 HPHT 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 prior to retrieving the plug.

For more information on SRH Plugs, please call your local Halliburton representation or email us at completions@halliburton.com.