



HPHT Riser

Claxton, along with Acteon group sister companies, 2H Offshore and SRP, have developed a unique and award-winning High-Pressure High-Temperature (HPHT) riser.

The award-winning design uses a shrink-fit flange to negate many of the issues inherent in working with HPHT-grade riser materials. This new technology enables HPHT wells to be drilled from a standard Jack Up.

Features

- The world's first API NACE compliant full-bore (18 3/4") access riser capable of working at pressures in excess of 12,000psi
- The world's first attachment of flanges to a riser by shrink fit process
- Allows high pressure wells to be drilled by a standard jack-up rig with a surface BOP, avoiding the need for a floating vessel with subsea BOP

Shrink Fit Flange

- Based on well established physical principles.
- Contact friction and machined profile give load capacity.
- Mechanical back-up with capacity greater than pipe.
- The seal mechanism is enhanced as the riser internal pressure increases.
- Shrink fit gives excellent fatigue performance – no weld and low stress concentration

Shrink Fitting

- Induction coils are wrapped around the flange which is then insulated.
- Flange heated up using induction coils.
- Cold pipe is then inserted in the flange in a carefully controlled operation.

Other Riser services from Claxton

- Tension rings
- Tension systems
- Rental drilling risers and riser supply
- Rental tooling including a large range of DSA's, overshot connectors and flanges



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