

SwageHammer™ Running and Setting System

Enables rotation during deployment and prevents pressure-induced preset

Applications

- Running and setting the SwageHammer integrated liner-hanger system

Features and Benefits

- The robust setting tool incorporates a surge-resistance component that can withstand high circulation pressures and sudden surge pressures to prevent prematurely setting the hanger or releasing the running tools.
- The system is delivered with a single, step-by-step procedure for proper installation, which contributes to system reliability.
- The packer is set by means of the running and setting system, which eliminates the need to wait for a plug bump.
- The rotating packer actuator has a shear indicator to provide visual confirmation that the packer has set.
- The capability to rotate during cementing operations enhances the cement job for improved zonal isolation.
- The setting cylinder enables applying force through the SwageHammer tieback polished bore receptacle to the SwageHammer liner-hanger system and setting the hanger.
- The running and setting tool provides high-torque capabilities in both tension and compression situations, which makes it possible to reach the setting depth by reaming liners, by drilling down liners, or both.

Tool Description

The Weatherford SwageHammer running and setting system was specifically designed to run and set the Weatherford SwageHammer integrated liner-hanger system, which combines the advantages of conventional and expandable liner-hanger technologies in a single body for high-pressure, high-temperature capabilities. The SwageHammer running and setting system consists of a patented surge-resistance tool, a setting cylinder, a rotating packer actuator, an R running tool, a WRSM retrievable cementing packoff, and a mechanical ball seat. This unique system can be assembled only one way and ships with a single, step-by-step procedure for proper installation.

Located at the top of the SwageHammer running and setting system, the surge-resistance component withstands high circulation pressures and sudden pressure surges to prevent prematurely setting the hanger or releasing the running tools. The rotating packer actuator features a shear indicator that provides visual confirmation when the packer in the SwageHammer integrated liner-hanger system has set.



The Weatherford SwageHammer running and setting system (shown above in three segments) enhances reliability by incorporating a surge-resistance tool, a setting cylinder, and a rotating packer actuator.

