



R Running Tool with Hydraulically Released Mechanical Lock

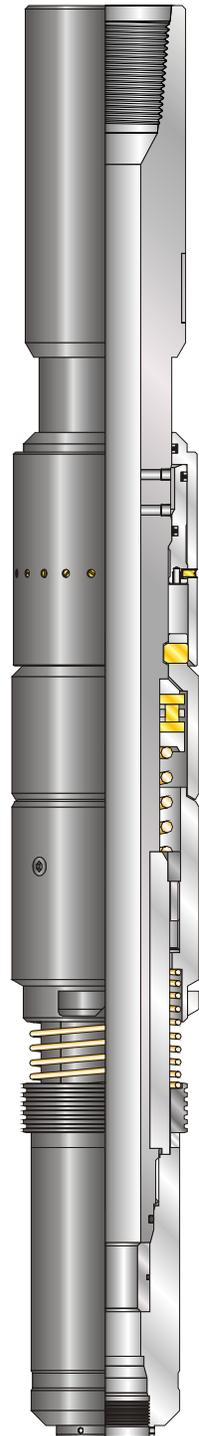
Weatherford's R running tool with hydraulically released mechanical lock is a premium, high-torque running tool with drill-down capability. The tool has an extensive track record of proven performance in some of the most demanding wells; it has been used to run 13 of the 20 longest extended-reach liners.

The R running tool features a left-hand float nut that supports the weight of the liner. The thrusting cap engages with the castellations on the liner-top packer or liner setting sleeve, which allows the tool to rotate the liner.

The R running tool can be mechanically locked to the liner assembly, eliminating the risk of premature release of the liner. The left-hand float nut of the tool is connected to the liner during deployment. The tool is released when differential pressure across the hydraulic cylinder removes the mechanical lock. Placing the tool in compression and rotating to the right then releases the tool. Torque is transmitted through the thrusting cap to rotate the liner once the float nut has been released.

Applications

- Liners in deep and/or highly deviated wells
- Extended-reach liners
- Liners at any necessary depth
- Drill-down liners or liners that must be reamed down
- Hydraulic liner hangers
- Mechanical liner hangers





R Running Tool with Hydraulically Released Mechanical Lock

Features, Advantages and Benefits

- Hydraulic cylinder locks the tool to the liner so that the liner can be rotated to bottom in tension and compression without the risk of premature release.
- Tool design allows the thrusting cap to rotate the liner after the R running tool has been released. The ability to rotate the liner during cementing helps improve the cement bond.
- Because the R running tool is not straight hydraulic release, the liner hanger and the R running tool can be pinned to similar activating pressures. With this capability, the liner hanger can be pinned to suit well conditions.
- The R running tool is equipped with a landing profile (standing valve) as a backup release mechanism for the hydraulically released mechanical lock, ensuring retrieval of the running string.
- The bearing facilitates release of the R running tool from the liner.

Specifications

- Contact an authorized Weatherford representative.

Options

- The R running tool can be run without the hydraulic mechanical lock, making it a fully mechanical running tool.