

SLOTTED LINER ASSEMBLIES DRILL-IN ADAPTER

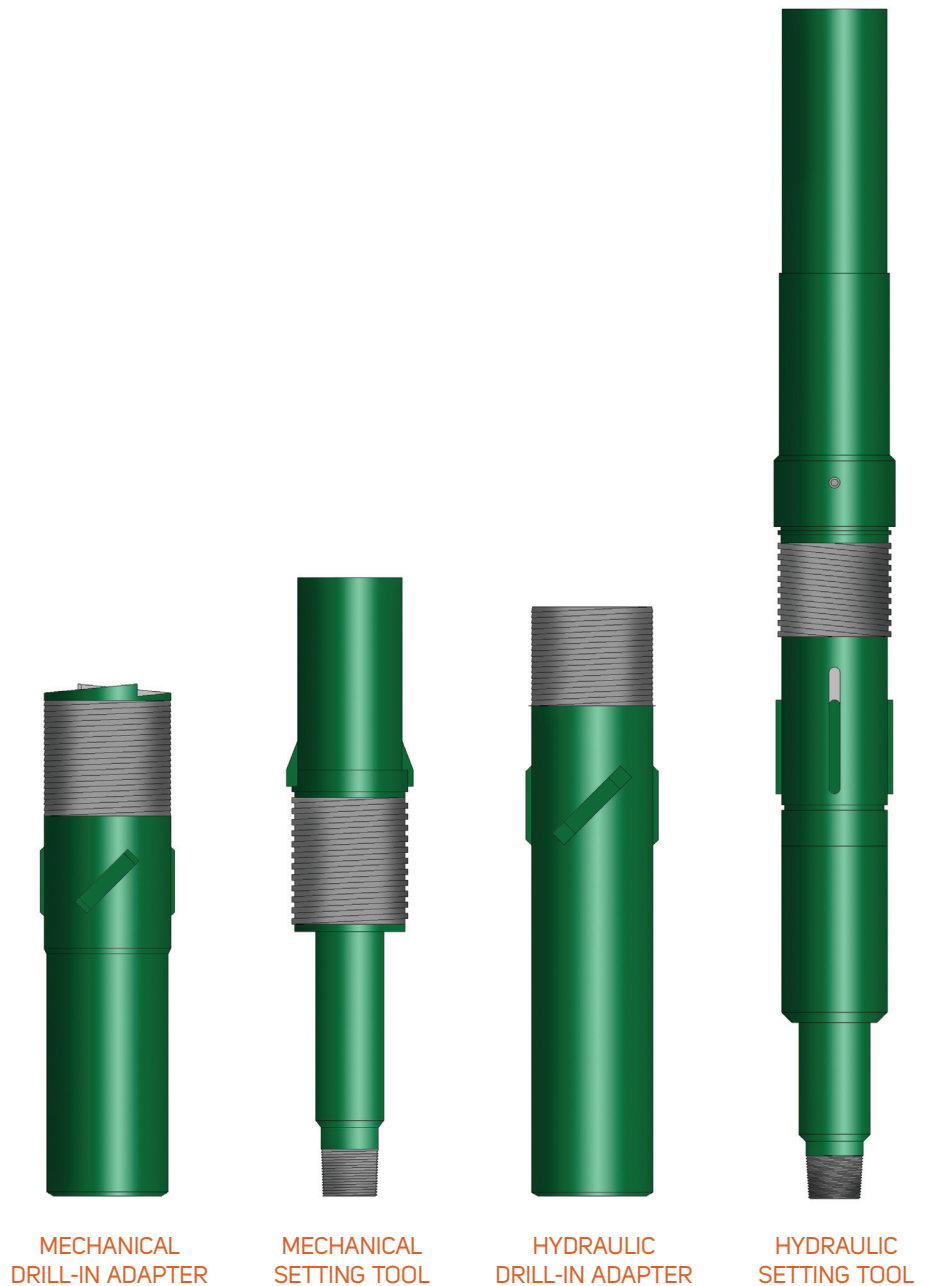
The Chancellor hydraulic drill-in adapter was developed to improve upon the limitations of the conventional right hand clutched drill-in adapter.

It was specifically designed for excessive torque (in excess of 3000 ft-lbs) that indicated down hole conditions such as inadequate circulation rate or mixture, dog legs or deviations from straight hole drilling, or certain formations that make drilling difficult. The hydraulic drill-in adapter is highly recommended for new or workover drill-ins where no pilot hole has been made.

THE FEATURES INCLUDE:

- > A maximum drilling torque of up to 15,000 ft-lbs.
- > A completely sealed setting tool to preclude the passage of fine sands into the hydraulic components of the setting tool.
- > Right hand rotation release for setting tool.
- > A fail safe hydraulic release for drive mechanism. Upon reaching T.D. a ball is dropped to shear out the piston to retract drive dogs.
- > Ability to drill-in with any circulation fluid. Ability to function equally well for drilling in blank liners to be cemented.
- > Bypass ports in hydraulic release piston to allow for continues circulation thru tubing after shearing out and releasing.
- > Simplicity and fail-safe operation is compatible with standard drill-in practice and equipment.

The hydraulic setting tool and drill-in adapter are delivered to rig site as a complete unit with drive dogs of setting tool in the mating grooves of the drill-in adapter.



MECHANICAL
DRILL-IN ADAPTER

MECHANICAL
SETTING TOOL

HYDRAULIC
DRILL-IN ADAPTER

HYDRAULIC
SETTING TOOL

The Chancellor mechanical drill-in adapter is a liner top adapter clutched for RH rotation. It was designed specifically for transferring torque from the drill string through the liner assembly down to the shoe or bit. The rotating clutch surfaces between the adapter and the setting tool provide sufficient surface area to withstand most conditions (to 3000 ft-lbs). Since there is no make up between the setting tool and adapter clutches, left hand release of the setting tool is no problem.