

# COIL POSI LOCK

## DESCRIPTION

The Coil Posi Lock is designed and engineered by Lee Specialties to save time and increase safety during coiled tubing operations.

Reduce the time spent bolting-up/down flanged connections and minimize the risk of crush & pinch injuries while simultaneously reducing time spent under or near overhead loads.

Inside the Coil Posi Lock is a heavy-duty lug & clamp design inspired by the API 16A design of connections used on Subsea risers. This connection has been proven through decades of trial to be a dependable means of coupling equipment in high-pressure situations. The design is also simple and contains a minimal number of moving pieces which simply means less maintenance and less chance of parts failing. Additional safety considerations are in place, including a brake on the hydraulic motor which locks the worm gear from rotating while in closed position, as well as a twin screw efficiency low enough to self-lock and not back drive. Manual operation is available if hydraulics should fail.

Only 1 Coil Posi Lock and 1 stinger is required to run this system, however multiple stingers allow for quick and seamless well swaps in multi-well pad operations.

The Coil Posi Lock can be controlled via existing hydraulics on the CTU or by our small footprint electric control skids. Under normal operating conditions with 250' of 3/4" hydraulic hose, open/close times of  $\downarrow$ 30 seconds are achieved.



The Coil Posi Lock stinger allows for insertion into the funnel of the lock and further into the lock where it is then clamped. It can be fitted to the wellhead or at any point in the pressure control stack which would benefit from a remote quick connection. The stinger is available in most common quick unions and API flanged connections.

## DESIGN HIGHLIGHTS

- Remote operation removes personnel from physically making and breaking connections.
- Increases operational efficiency. Coil Posi Lock open/close times are  $\downarrow$ 30 seconds in standard operating conditions.
- Included flanged stinger can be used on the wellhead, below the stripper, or at any other connection point.
- Optional control unit available. Alternatively, the Coil Posi Lock can be connected to existing hydraulics on the CTU or a stand-alone accumulator.
- **Weight: 1,845 lbs.**