

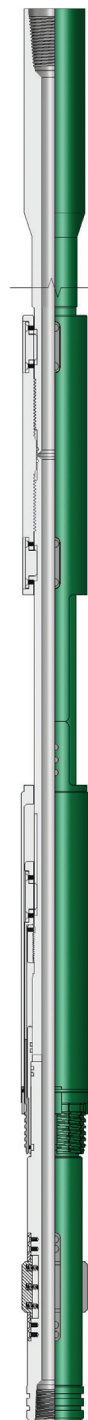
# CEMENTED/SLOTTED LINER ASSEMBLIES

## TYPE HR SETTING TOOL

The Chancellor Type HR Setting Tool is designed for running horizontal or highly deviated cemented or perforated liners with Chancellor Hydraulic Set Liner Hangers with Setting Collars or Liner Top Packers. The Type HR hydraulic setting tool features complete hydraulic liner hanger setting and hydraulic straight pull release where mechanical release is sometimes difficult or impossible. The liner can be circulated and rotated in tension, compression, and neutral while running in the hole. The dogs can re-engage the splines after setting tool release for rotating the liner during cementing if required. The hydraulic release shear pressure is adjustable to allow for a wide variety of running conditions and applications.

The Type HR Setting Tool features a collet nut and piston mechanism that locks the tool into place coupled with a rotating dog sub to prevent unintended release of the tool and transfer torque to liner. When the HR piston is sheared at approximately 2200-2500 psi, the setting tool can be released with straight pick up. A mechanical secondary release is available with a 1/4 turn LH rotation followed by a 1/2 foot slack off.

The Type HR Setting Tool can also be combined with a Rotating Packer Dog Dub (RPDS) used to set liner top packers. The HR can also be optioned with a Slick Joint and Retrieval Packoff Bushing (RPB) system as required for cemented liners. For slotted liners, the HR tool is combined with a PCPA cup tool and 2S ball seat as needed for providing the chamber and port for setting the hydraulic hanger and releasing the HR tool. The HR tool is pressure tested before each run.



MODEL HR