



**CHANCELLOR**  
A TEAM OIL TOOLS COMPANY

## CEMENTED LINER ASSEMBLIES

### BH PBR AND BH SEAL NIPPLE

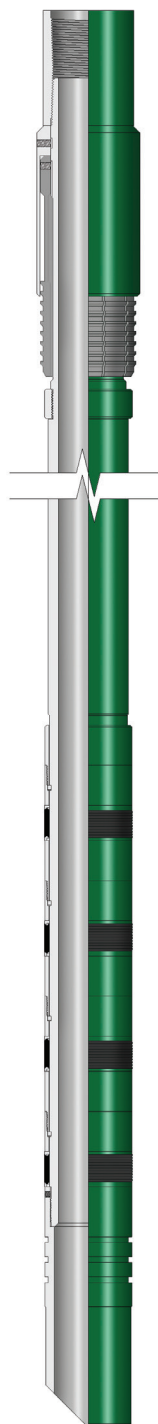
The Chancellor Type BH Polish Bore Receptacle (PBR) is usually run as an integral part of the liner string directly below the liner hanger or setting collar. It is specially bored and honed so as to provide a positive sealing bore for the seal nipple assembly during tubing string expansion and/or contraction in response to pressure to pressure and temperature. The Polish Bore Receptacle provides the maximum internal opening through the production tubing and sealing system and will not restrict the I.D.

The Chancellor Type BH Seal Nipple is the second part of a Polish Bore Receptacle and provides a unitized seal assembly on a stem which connects to the end of a tubing or casing string and to successfully create a packer less, free-end tubing to casing seal. The seal integrity is maintained allowing tubing to expand and contract in response to pressure and temperature differences without affecting the integrity of the tubing to casing seal. The BH Seal Nipple can be optioned with a snap latch to anchor into the setting collar or liner top packer running threads. The Seal Nipple can be released with RH rotation.

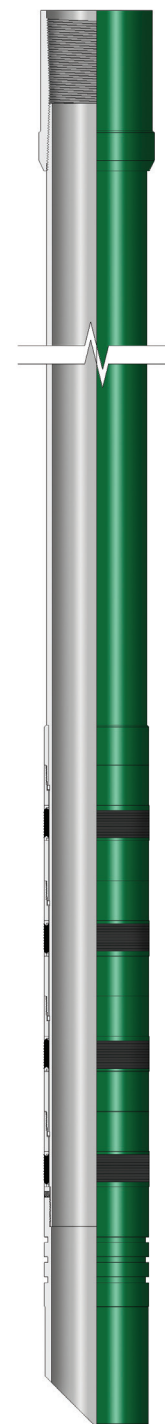
Typically a series V-ring (or Chevron) seal stacks are assembled on the seal nipple mandrel and separated by spacer rings. The orientation of the rings can be alternating to seal from both directions, or unidirectional to seal from only one direction. To prevent leakage, the unitized seal assembly mandrel has no threaded connections between seal units. The number of sealing rings per set and the material composition can be changed to match the well conditions or applications. A mule shoe entry guide allows for easy installation into the PBR.



MODEL BH  
POLISH BORE RECEPTACLE



MODEL BH SEAL NIPPLE  
WITH SNAP LATCH



MODEL BH  
SEAL NIPPLE