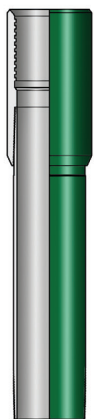


SLOTTED LINER ASSEMBLIES

LINER TOP ADAPTERS AND PACKERS

Chancellor offers several models of Liner Top Sand Control Adapters (SCA) for various applications and down-hole conditions. All of these, except the Plain Liner Top Adapter, incorporate a set seal element for the purpose of preventing formation sands from entering the well bore. In addition to providing an excellent means of sand control, the Chancellor SCA also serves as a liner top tool entry guide. This eliminates any damage as a result of hitting square shoulders when tools enter the liner. The SCA's are also equipped with a safety shoulder to prevent premature setting during run in, and internal locking ring or wicker press to keep seal energized after set. The Chancellor SCA can be combined with a circulating shoe, inner tubing string, and special running thread and clutches for the purpose of circulating and/or rotating in slotted liner. They can be run on liner top as well as in-line or on liner bottom.

The Plain Liner top Adapter is the most efficient and economic means of running a liner where a seal or differential pressure rating is not required. The Model LTPS uses an elastomer to provide a premium liner top seal where seal pressure integrity is most important. The single element LTPS Liner Top Packer with nitrile element can be used for most applications under 250o F and 2000 psi differential pressure. Alternate elastomer materials such as HSN, VITON or AFLAS can be specified depending on higher temperatures of the pressure of H2S or CO2. The three element multi durometer LTP with metal extrusion rings provides a liner top packer with a differential pressure rating of 5000 psi. The LTPS incorporates an internal lock ring that maintains seal integrity after set and release. The LTPS is designed to carry long heavy liners while providing an additional safety set feature that prevents the unintentional setting of the packer while running in the hole. All liner top packers can be optioned with hold down slips and splines for rotating in tension.



PLAIN LINER TOP
ADAPTER



MODEL LTPS LINER TOP
PACKER SINGLE ELEMENT



MODEL LTPS LINER TOP
PACKER THREE ELEMENT



MODEL LTPS LINER TOP
PACKER WITH HOLD
DOWN SLIPS



MODEL LTPS LINER TOP
PACKER ROTATING TYPE