

# CEMENTED LINER ASSEMBLIES

## MECHANICAL LINER HANGERS

The Chancellor Mechanical set liner hanger is a versatile and economical completion tool. The design is based on an enclosed jay within a one piece sleeve with friction springs. The hanger is mechanically set by manipulating the running-in string. The jay slot holds the slips in place below the taper cone while running in the well. When setting depth is reached, the hanger is picked up a couple feet and rotated (either right or left hand depending on application). As the hanger is lowered, the slips will be held stationary by the friction springs and the taper cone contacts the slips and forces them outward into the casing. Slips are carburized to grip the hardest casing. The simple jay mechanical design allows the operator to set and release the hanger any number of times if necessary. The hanger is run in combination with a separate or integral setting collar or liner top packer.

The model MSC mechanical set single cone liner hanger is ideal for short and medium length liners. The model MDC dual cone hanger effectively doubles the hanger capacity of the MSC which is the choice for medium to long heavy liners. Both models offer unrestricted bypass circulation before and after set. The MSC can be optioned with an integral setting collar running box (model MSCRB) when running short shallow liners that can be set with LH rotation and RH release of setting tool. The Chancellor liner Swivel is normally used when running mechanical set liners in highly deviated wells in which rotating to set the liner may be a problem. The swivel allows rotation of the hanger without having to rotate the total liner. A clutch system in the swivel (feature may be deleted if required) allows easy release of the running nut from the liner, if the liner has to be set on bottom.

