



CHANCELLOR
A TEAM OIL TOOLS COMPANY

SETTING TOOLS PACK OFF SEAL SYSTEMS

The Chancellor Drillable Pack Off Bushing (DPB) is used to provide a seal between the liner and setting tool during cementing operations. A Type B slick joint is stabbed into the V-ring Seal Pack Off Assembly to provide a high integrity seal. This method significantly reduces the upward hydraulic force on the drill pipe during cementing when compared to the casing packer cup method to provide seal. This is especially beneficial when cementing larger diameter liners, and/or cementing at relatively shallow depths where this upward force might exceed the drill pipe string weight and hydraulic up the hole and possibly losing the seal between the liner and the setting tool and ruining the cement job.

The DPB is an integral part of the liner string and remains in the hole when the setting tool and slick joint are removed. 6061-T6511 aluminum alloy is used internally for easy drillability.

The Chancellor Retrievable Pack Off Busing (RPB) combines the benefits of the Drillable Pack Off Bushing with retrievability. The RPB is made up on the setting tool with the slick joint extended through it. The RPB is then landed and locked into the machined profile of the setting collar (or packer). After the cementing operation, the RPB is released and retrieved with the setting tools. No material or seals are left to be drilled out later.

The Chancellor Packer Cup Pack Off Assembly (PCPA) provides a superior and most economical and simple internal seal system when the superior sealing properties of a slick joint and cement bushing are not required. The dual inverted packer cups are installed on a mandrel just below the setting tool. After the cement job the packer cup assembly is retrieved from the liner. The PCPA is not recommended for use in medium to deep wells, or with use on large diameter liners or high temperature applications.



PCPA

DPB

RPB