

## PERMAPAK ACCESSORIES



### Seal Bore Extension

A **Seal Bore Extension** is used in installations where floating seals are required due to tubing contractions. This packer accessory allows for a continuous seal bore and is available in lengths up to twenty feet.



### Seal Bore to Mill-Out Coupling

A **Seal Bore to Mill-Out Coupling** is used to connect mill-out extensions to seal bore extensions.



### Concentric Bottom

A **Concentric Bottom** is used to connect a seal bore extension to a packer.



### Knock-Out Plug Bottom

When a **Knock-Out Bottom** is run below the packer, the knock-out plug allows a packer to serve as a bridge plug holding pressure from above and below.



### Knock-Out Plug

A **Knock-Out Plug** is knocked out when the production string is landed.



### Mill-Out Extension

A **Mill-Out Extension** is used in installations where floating seals are required due to tubing contractions. In addition, this packer accessory provides a larger ID between a packer bore and a seal bore extension allowing a packer plucker when a packer is milled out.



### Pump Out Plug

A **Pump-Out Plug** is available with a choice of threads allowing the pump-out plug to be attached to a packer, seal bore extension, mill-out extension or tailpipe and hold pressure from below after the packer is set. Once the production string is landed, pressure is applied to the tubing and the pump-out plug is removed to allow full opening.



### Mill-Out Bottom

A **Mill-Out Bottom** is used to connect a mill-out extension to a packer.



### Concentric Coupling

A **Concentric Coupling** is used to connect seal bore extensions to increase length.



### Wireline Re-Entry Bottom

A **Wireline Re-Entry Bottom** is used as the packer bottom when an extension below a packer is not required.

Permanent Packers