



RockSEAL II Packer

OVERVIEW

The RockSEAL® II packer is a dual-element, solid-body, hydraulically set open hole packer that combines the sealing strength of a mechanical element with the setting force of a dual-piston cylinder and mechanical body-lock system. The packer has a specially designed elastomer with the largest possible cross section to provide excellent expansion ratios to set in oversized holes. The packer is also designed with anti-preset features that allow it to be pushed through tight spots in the well without pre-setting or shearing the packer.

OPERATION

The RockSEAL II packer is assembled in the completion tool string, according to well requirements, and run into the wellbore to the planned depth. When the string is in place, the RockSEAL II packer is hydraulically set by pressuring up the tubing string, which causes the elements to extrude securing the packer in the hole. If the RockSEAL II packer needs to be retrieved it can be released with straight pull on the tubing. Other methods of release are used depending upon specific requirements.

APPLICATIONS

- Open and cased hole
- Horizontal and vertical wells
- HPHT and sour service
- Isolation of individual zones for:
 - Fracture stimulation
 - Water and gas shut-off
- Retrievable bridge plug uses
- Production control
- Production testing

CAPABILITIES

- Dual-element/piston design
- Minimum running outside diameter
- High expansion ratios
- Anti-preset features for running in hole
- Adjustable setting and releasing forces
- Application-specific elastomers