# Parker Sealing Products for Oil and Gas

## O-Rings
- Manufactured according to AS 568B and complementary international standards.
- Non-standard and customized designs available.
- Continuous molding.
- Suitable for static and dynamic (reciprocating) operation.
- Wide variety of approved elastomer compounds.

## Back-up rings
- Parker ParBak®, PEEK and PTFE options.
- Used in conjunction with O-rings to increase pressure rating and reduce extrusion effects.
- Custom designs available.
- Laser- engraving allows traceability.

## T-Seals
- Interchangeable with O-ring groove configurations.
- Improved stability in groove.
- Rod and piston seal designs.
- Static and dynamic (reciprocating) operation.
S-Seals

- Interchangeable with O-ring groove configurations.
- High pressure sealing capability.
- Can accommodate increased extrusion gaps.
- Integral molded metallic and non-metallic springs.
- Wide variety of approved elastomer compounds.

FS seals

- Variant of S-seal design, but can accommodate sealing over greater tolerance range.
- Common applications include tubing hangers and casing hangers.
- Wide variety of approved elastomer compounds.

PolyPak® Seals

- Standard, deep and type ‘B’ style rectangular section seals.
- Suitable for static and dynamic (reciprocating) operation.
- O-ring energizer for low-pressure sealing.
- Back-up rings for high-pressure sealing applications.
- PIP ring option for bi-directional sealing with type ‘B’ PolyPak® seal.
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**FlexiSeals®**
- Spring-energized thermoplastic seal designs.
- Low friction.
- High wear resistance.
- Wide temperature range and fluid compatibility.
- Both standard and custom-machined profiles.

**Chevron stacks (V-packings)**
- Custom designs for special applications.
- Robust sealing.

**EnerRing® metal seals**
- Wide temperature range sealing.
- O-ring, C-ring and E-ring configurations.
- Customized designs available.
- NACE compliant materials.
Packer elements

- Extruded, machined and molded configurations available.
- Mechanical setting and swellable technology applications.
- Wide variety of approved elastomer compounds.
- Multi spring extrusion resistance features.
- Available with high-performance thermoplastic back-up rings.
- Extreme temperature, aggressive fluid and high pressure sealing capability.

Other Products Available from the Parker Engineered Materials Group

- Wiper and scraper rings
- Bearing rings
- Slipper seals
- U-Cup seals
- Rotary seals
- Composite seals
- Frac balls
- Gimbal seal assemblies
- Flexible joints
- Riser clamps
- Metal end cap seals
- Swab cups
- Pipe wipers
- Dart plugs