

Parker Dual Seal Flange Adapters



For Improved Flange Connection Reliability and Safety in Subsea Applications

Parker's Dual Seal Flange Adapters improve the reliability of high-vibration, high-shock hydraulic four-bolt connections in critical oil and gas applications.

Dual Seal Flange Adapters incorporate both radial and face seal technologies, reducing the potential for system leakage and air or water ingress caused by side loading of traditional flange face seal connections.

This Parker innovation is offered as an alternative to traditional SAE Code 62 Flange connections for improved port retention, increased sealing capability and elimination of costly field replacement due to failure.



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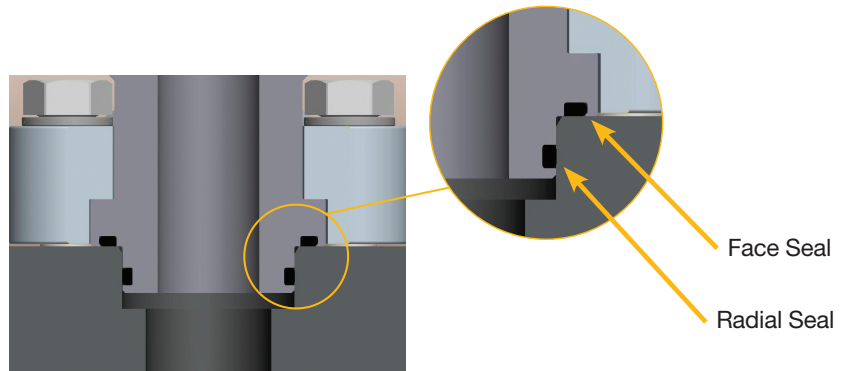
Key Features and Advantages:

- Incorporates both radial and face sealing methods for improved sealing and port retention
- Available in standard Code 62 footprint sizes: ½", 1" and 1 ½"
- 7500 psi / 515 bar working pressure rating with 4:1 design factor
- NACE MR0175 Compliant
- SAE 316/316L stainless steel construction
- Heat Code Traceable
- Tested to 1 million impulse cycles for proven reliability
- Face seal design includes captive O-ring for superior retention
- SAE Code 62 bolt pattern enables use of standard flange hardware
- Seal-Lok™, Triple-Lok® and socket weld configurations offered

ENGINEERING YOUR SUCCESS.

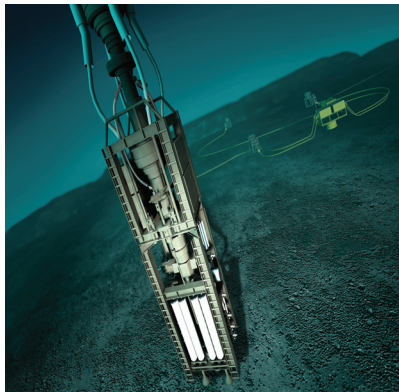
Dual Seal Flange Adapters Improve Reliability Through Sealing and Port Retention

Parker's Dual Seal Flange Adapters use both a radial seal and face seal to achieve superior leak-free port connection. Illustrated at right, the primary radial seal improves this adapter's pressure capabilities to 7500 psi while affording additional system integrity. The face seal provides resistance of external pressures introduced by the application environment.



Exclusive Design Advantages

No other flange adapter in the industry combines the design testing, O-ring groove application, NACE (National Association for Corrosion Engineers) compliant materials and Heat Code Traceability of Parker's Dual Flange Seal Adapter.



To exceed current industry requirements, Parker has tested this design up to 7500 psi with a 4:1 design factor. Reliability at these system pressures was validated by

conducting impulse testing for one million cycles.

Further reducing the potential for system leaks, the captive O-ring groove has been added to the traditional SAE J518 flange head design to improve seal retention and eliminate O-ring related assembly errors. Patterned after ISO 6162 /SAE J518 flange bolt design, this flange head is conveniently interchangeable with commercially available flange components and hardware. To ensure quality product for critical applications, NACE compliant materials as well as full Heat Code Traceability are used in the manufacture of Dual Seal Flange Adapters.

These adapters are made with SAE 316/316L materials for superior corrosion resistance, the face seal O-ring is composed of Nitrile 90 durometer material meeting SAE J515 dimensions, and the radial seal O-ring is Nitrile 90 durometer.

Superior Materials

To ensure quality product for critical applications, NACE (National Association for Corrosion Engineers) compliant materials as well as full Heat Code Traceability are used in the manufacture of Dual Seal Flange Adapters. These adapters are made with SAE 316/316L materials for superior corrosion resistance, the face seal O-ring is composed of Nitrile 90 durometer material meeting SAE J515 dimensions, and the radial seal O-ring is Nitrile 90 durometer.

Available Styles and Sizes

This product line includes a range of tube or hose connection styles to meet various hydraulic system design needs. Included are Parker's Seal-Lok™ (SAE J1453) and Triple-Lok® (SAE J514), and NPTF for traditional hydraulic connections. For scheduled pipe assemblies, Parker also offers socket weld configurations. Standard sizes of ½", 1" and 1½" are available.

