

# RIGFLEX™ RJ

The RIGFLEX™ RJ Gasket enables integrity testing of newly assembled and tightened flanged connections without requiring complete system pressurisation.



## DESCRIPTION:

The RIGFLEX™ RJ gasket is comprised of a precision machined octagonal Ring Type Joint (RTJ) that has been drilled and fitted with a high-pressure test pipe and threaded port.

Connection to an external pressure source allows the controlled pressurisation of the annular space between the sealing faces of the RTJ and ring grooves of the mating flanges. Monitoring the pressure enables the integrity of the connection to be directly assessed.

The gasket is supplied with a fire-safe, high-pressure cap, allowing post-test isolation of the test port.

The gasket can be provided with a hand-operated hydraulic or pneumatic pump and can also be supplied with fittings to suit existing pressurisation equipment.

## APPLICATIONS:

RIGFLEX™ RJ gaskets are dimensionally compliant with ASME B16.20 and can be used in ASME B16.5 RTJ flanges.

They are commonly used in high-pressure applications in upstream oil and gas and petrochemical sectors.

## BENEFITS:

Testing large-volume piping systems can have significant cost implications. Large volumes of Nitrogen gas are usually required, as well as a dedicated leak-testing team to manage the process. Waiting for piping systems to fill to a desired test pressure can also take a considerable length of time.

RIGFLEX™ RJ gaskets are designed for testing individual flanged connections, negating the requirement for complete system pressurisation.

Post-test, the gasket remains in situ, enabling the connection to be continuously monitored or re-tested.

- Significantly reduces testing time
- Improved HSE by reducing the need for testing personal and volume of (potentially old) piping systems exposed to high test pressures
- Considerable cost savings on test media, such as Nitrogen
- Monitoring of potential leakage after installation allows for proactive maintenance
- Continuous monitoring or spot testing of individual connections

## MATERIALS AND CERTIFICATION:

The RIGFLEX™ RJ gasket is available in 316 stainless steel or soft iron as standard (other materials available upon request) and is supplied with material certification (upon request).

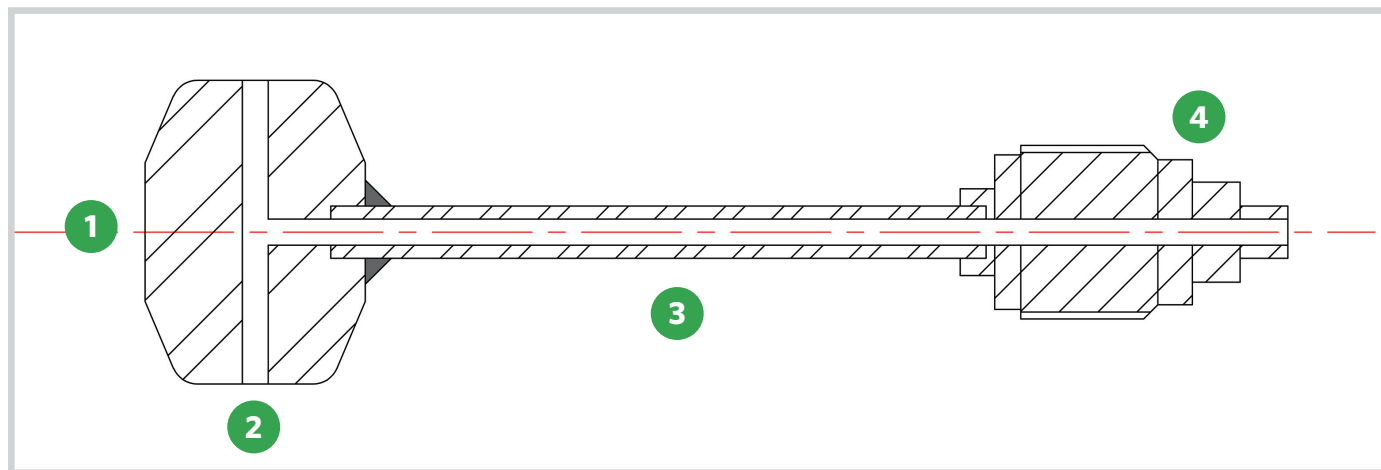
All assembled pressure-containing components, test pipes, connectors and welds are thoroughly pressure-tested.

## AVAILABILITY:

To suit ASME B16.5 RTJ flanged connections

Nominal Sizes: ½" to 24" NPS

Pressure Class: #150 to #2500

**GASKET SECTION THROUGH CONNECTOR:****LEGEND:**

- 1. Ring-type joint seal
- 2. Pressure passage hole
- 3. High-pressure test pipe
- 4. High-pressure, test port connector

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