



### Rexnord Aerospace Seal Applications

Since 1946, Rexnord Aerospace has been designing high-quality seals for aerospace and industrial applications. Rexnord Seals are designed to provide optimum leak protection in many different operating environments and are found in:

- Gas turbine engines
- Auxiliary power units
- Gearboxes and accessories
- Hydraulic power systems
- Environmental control systems
- Rockets and weapon systems
- Pumps and compressors
- Industrial turbines
- Many other rotating components

Rexnord engineers design optimum solutions for some of the most complex operating parameters. Our designs are intended to bring significant customer value, long life and product life services.

## Rexnord Fragmented Seals

### Tailored to your specific needs.

Rexnord® Fragmented Seals are circumferential seals that can be customized to meet a wide range of operating conditions and applications, each offering outstanding performance, long life and extraordinary value.

### Theory of operation

Rexnord Fragmented Seals are comprised of a number of jointed segments forming a ring. The segments are held together radially by a garter spring, with axial force provided by multiple coil or wave springs. Drive pins engaged with notches or slots on each segment prevent rotation.

Our team of engineers and experts take into consideration that different conditions present different challenges. The flexibility of our designs enables us to resolve these with modification of the basic design and careful selection of material grades. With precision analysis, we optimize various forces to achieve the desired balance between low leakage and long life for each application. Our seals can also be designed to be tamper resistant or repairable.

### Materials of construction



### Applications

The Rexnord team will always take your application's specific operating conditions into account as we create your custom seal solution. The performance of these critical components reflects the quality of their construction, installation and handling. A complete list of options and additional services is available upon request.

### Features and benefits

- Custom engineered seal assemblies to accommodate unique operating geometries and environments, enabling predictable, reliable performance.
- Compact construction simplifies installation in applications in which space is limited.
- High Temperature/Pressure rated up to 1,000°F and up to 100 psid. Wide range of operating speeds.
- Repairable design to reduce overall life cycle costs.
- Rugged design able to handle off conditions such as oil ingestion and prolonged radial excursions.



Since 1946, Rexnord Aerospace has satisfied the needs and critical demands of the aerospace industry with exceptional, high-quality products and innovative engineering. Choose Rexnord Aerospace products and solutions for your designs. Speak with our engineering sales staff to address your questions and design inquiries.

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