



Rexnord Aerospace Seal Applications

Since 1946, Rexnord Aerospace has been designing high-quality seals for many different 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 Segmented Seals

Tailor our segmented seals to your specific needs.

Rexnord® Segmented Seals are circumferential seals available in single, multiple and fractured ring options. All of our designs 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 Segmented 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 springs or wave springs. Driven 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 problems; the flexibility of our designs enables us to resolve these challenges 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.

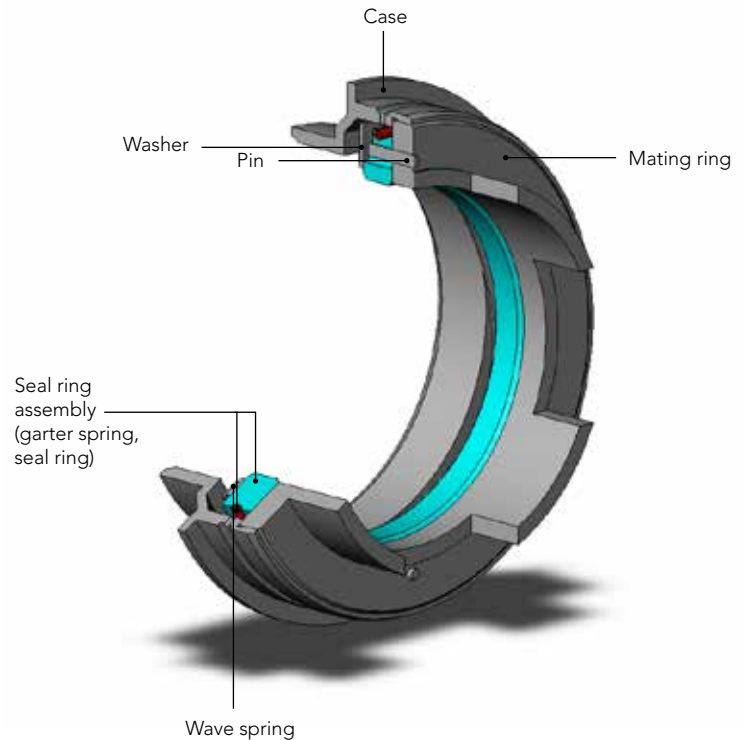
Applications

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 are available upon request.





Materials of construction



Features and benefits

- Precisely assembled segmented carbon elements to accommodate axial shaft movement
- High-temperature capacity to allow for a wide application range
- Compact design to minimize weight and space requirement
- Versatile design to allow for custom modifications
- Repairable design to reduce overall life cycle costs
- More than 60 years of proven design application experience to provide you and your customers with a high level of confidence

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.