



Your Partner in Sealing Technologies

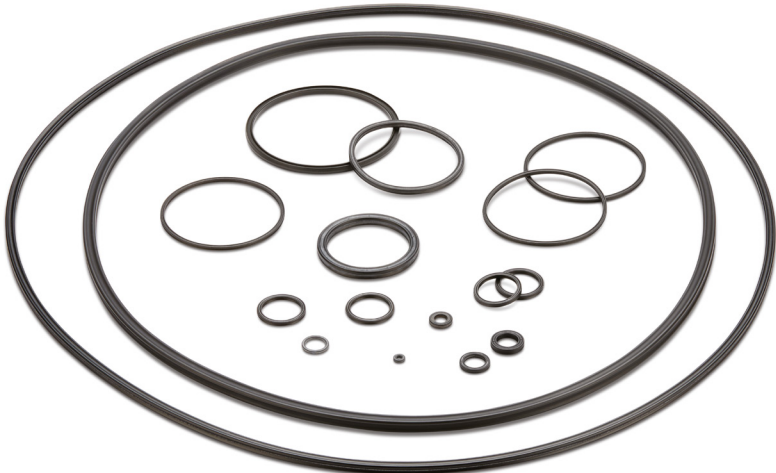
Minnesota Rubber & Plastics, now Trelleborg, produces a complete family of Standard Quad-Ring® Brand seals with unique features to handle the most complex sealing requirements across a wide range of applications.

WHY USE QUAD-RINGS®?

The Quad-Ring® Seal is a four-lobed seal known as the solution for complicated applications where better performance is critical. The four contoured lobes give a Quad-Ring® twice the number of sealing surfaces as an O-Ring. The relatively square cross-section also eliminates spiral twist which is a common cause of O-Ring failure. Quad-Rings® are also an alternative product for dynamic seals in low-pressure applications.

BENEFITS:

- Longer seal life.
- Lower failure rate than other sealing solutions.
- Reduced friction.
- Eliminates leakage with sealing surfaces placed strategically away from parting lines.
- Quad® Brand Seals are US-Engineered and globally manufactured, eliminating supply chain challenges.
- Reliable and engineer trusted for critical-to-perform applications.



The proprietary geometry of the Quad-Ring® leads to better performance of the seal in the application.

APPLICATIONS

RECIPROCATING

Quad-Rings® form a positive, dependable seal at a wide range of pressures. With proper installation, they form a positive seal at a wide range of pressures from extreme vacuum up to 725 psi/5MPa without back-up rings and up to 4350 psi/30MPa with back-up rings.

ROTARY

Quad-Rings® make excellent rotary seals because the low cross-sectional squeeze permits higher rotary speeds with less friction, giving longer life. The use of Quad-Rings® in these applications eliminates the need for more expensive spring-loaded seals.

STATIC

When Quad-Rings® are used as gaskets, they efficiently seal mating components. The four contoured lobes effectively prevent bypass in devices using frequent pressure cycles.

STANDARD MATERIAL TYPES FOR QUAD-RING® BRAND PRODUCTS:

- NBR: 366Y
- FKM: 514AD
- EPDM: 559PE
- And more

Learn More About Standard Quad® Brand Products



Contact your distributor to learn more about the Quad® Brand Seal family and find the optimum seal for your application.

ABOUT TRELLEBORG

Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way.

