

# RZ1

## ROD SEAL



Product Performance. Affordability. Availability.



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# RZ1 ROD SEAL

**RZ1 Rod Seal** is a double-lip squeeze type seal which combines the sealability of an elastomer contact element with a high-performance base that includes a second sealing lip. The double lip design provides greater resistance to compression set and extended life for the elastomeric seal element. The **RZ1** is best suited for dynamic rod sealing applications as it provides excellent sealing for zero drift cylinder applications. The design features precision-trimmed lips that provide improved sealing performances while providing high extrusion resistance with reduced friction during dynamic cycling.

Under low pressure conditions, the elastomeric element provides excellent sealing due to the pre-loaded installed squeeze. As pressure increases, the force transmits through to the anti-extrusion base and its sealing lips to prevent leakage and extrusion. The deep rectangular design also provides good stability in the gland to ensure good seal contact and reduced wear.

The **RZ1** comes standard with a low-temperature NBR material with excellent compression set and wear resistance. The standard base is offered in our high-performance P95U polyurethane material which provides high extrusion and wear resistance across a range of pressures and temperatures. The base can also be supplied in our high performance Rhinolon FY55 material which is an internally lubricated Polyester elastomer that provides increased strength, toughness, and can operate at higher temperatures.

## STANDARD MATERIALS

Material Code	Description	Color
P95U	Polyurethane 95D Shore A	Black
FY55	Rhinolon 55D Shore D	Sky Blue
NLT	Low Temperature NBR 75D Shore A	Black

\*Other material options are available upon request.

## FEATURES

- Pressures up to 5,800 PSI
- Excellent Extrusion Resistance
- Low Temperature (-65°F)
- High Temperature (+250°F)
- Velocity up to 3 FPS
- Low Compression Set
- Low Friction
- Cost Effective
- Zero Drift
- Easy Installation

