

Rotary Shaft Seals (Elastomer Seal Lip)

No. 5208B1-USA

Highest Quality Rotary Shaft Seals and Oil Seals from Parker EPS Division

Excellent quality and competitively priced!

Parker EPS Division offers the highest quality rotary shaft seals at competitive prices. Parker EPS Division can supply the right seal for your application by offering standard oil seal styles, or by developing a custom design to meet your specific performance criteria.

The seal of choice for rotating shafts

Rotary shaft seals (oil seals) are one of the most popular dynamic seals in the sealing industry today. Commonly used in a wide variety of pumps and motors, rotary shaft seals are an excellent choice for sealing high speed rotating shafts and low pressure lubricants. Just about anywhere a bearing is used to support a rotating shaft, you will find a rotating shaft seal installed to keep lubricating fluids in the system and contamination out.

Parker offers a wide variety of seal styles

Literally hundreds of style of rotary shaft seals exist. Most are variations of the standard configuration utilizing a rubber sealing lip to lightly contact a rotating shaft and a metal case to press fit into a stationary housing. Depending on the application, rotary shaft seals can be supplied with or without a metal spring, a secondary wiping lip or auxiliary devices. The sealing lip can be bonded to a bare metal case or the case can be supplied covered with rubber. Elastomer blends in Nitrile, Silicone, Fluorocarbon, and Polyacrylate are available along with carbon steel or stainless steel metal springs and cases.

Material Combinations

Elastomers

- Nitrile
- Silicone
- Fluorocarbon
- Polyacrylate

Case & Spring

- Stainless steel
- Carbon steel

Call EPS Division's Chicago operations at (847) 783-4300 for applications requiring PTFE rotary lip seals. PTFE rotary lip seals are commonly used for those applications requiring either harsh chemical compatibility, temperatures exceeding 350°F, pressures exceeding 125 psi or dry run capabilities.

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Salt Lake City, UT 84119

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Fax: 801-972-4777

Build With The Best!

ISO 9001 / QS 9000 Registered



Quality products from start to finish

Parker EPS Division supplies its customers with only the highest quality rotary shaft seals. EPS Division Quality Audits ensure production of high quality products from modern, reliable computer controlled equipment. The following steps outline the typical process used to manufacture our Rotary Shaft Seals:

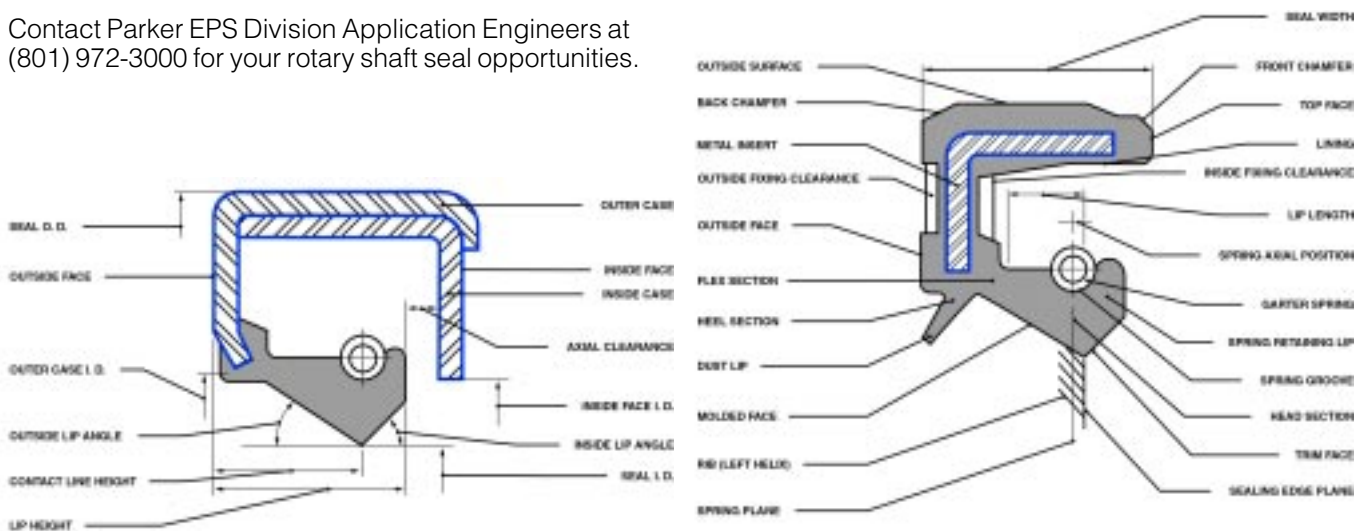
- Detailed product specifications are established utilizing CAD software.
- CAM software and modern CNC equipment.
- Machined cavity molds are inspected, heat-treated and ground precisely to close tolerance specifications.
- Finished tools are inspected by precision instruments.
- Seals are molded using vacuum type hydraulic vulcanization machines.
- Seals are precisely knife trimmed to produce a clean, sharp sealing lip.
- Finished products are inspected at the site of manufacture and again at the EPS Division prior to shipment.

Contact us with your next opportunity to quote

Contact EPS Division's Application Engineers with your rotary shaft seal opportunities at (801) 972-3000, or via fax at: 801-972-4777. Parker's qualified engineers can assist you in selecting the appropriate seal design or help in cross-referencing an existing seal design.

Nomenclature

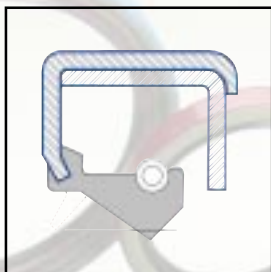
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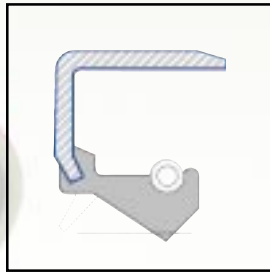
Typical Designs

Note: Design types beginning with an "S" describe a rotary shaft seal with a single sealing lip. Design types beginning with a "T" describe a seal with "twin" or two lips which include a primary sealing lip and a dust lip (shown as dotted red line on the designs shown at right).

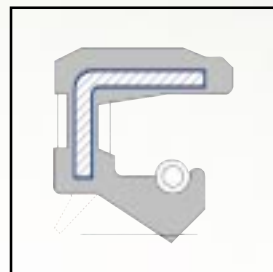
SA / TA



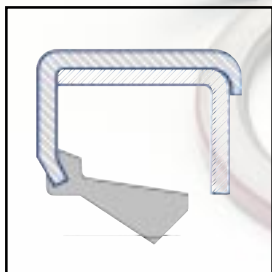
SB / TB



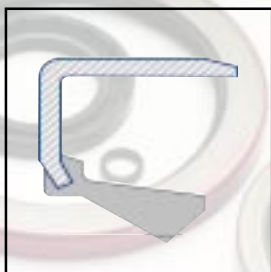
SC / TC



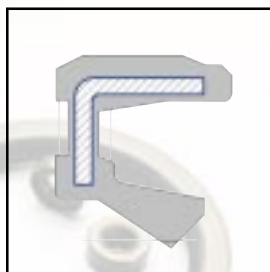
VA



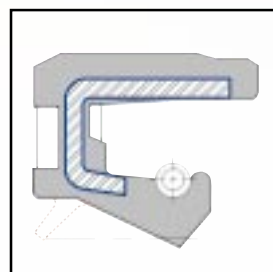
VB



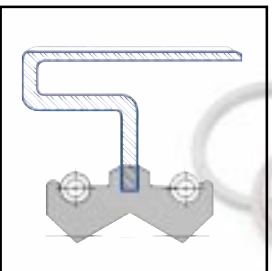
VC



SEC / TEC



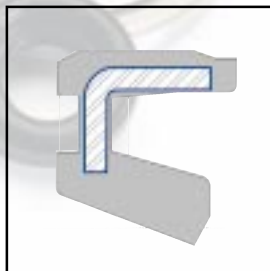
DB



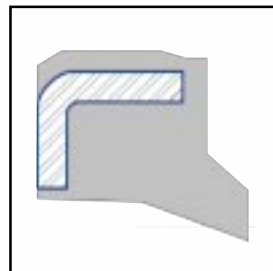
DC



WPC



WPR



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