Cassette Seals
Durable Reliability in Demanding Applications

Reliable sealing in severe conditions

Parker cassette seals deliver durable sealing reliability in demanding applications. These complex rotary seals are used in harsh environments under extreme operating conditions to shield and exclude contaminants such as wash down spray on gear reducers used in food processing, and environmental debris common in mining, agriculture and power generation equipment.

Cassette seals feature multiple sealing contact points with the advantages of a fully incorporated, unitized design. Sealing elements ride on an internal sealing surface. This minimizes shaft finish requirements and eliminates shaft grooving.

Contact Information:
Parker Hannifin Corporation
Engineered Polymer Systems Division
2220 South 3600 West
Salt Lake City, UT 84119

phone 800 233 3900
e-mail: eps-ccare@parker.com
www.parker.com/eps

Product design options:
- Static sealing on the shaft and in the housing bore
- Excluder lips for added protection against contamination, pollution, water spray and debris
- Patented axial face seal surface for dirt exclusion
- ParKote™ sealant fills small imperfections in the bore
- Rubber covered OD provides improved sealing due to thermal expansion changes
Standard & Custom Designs

Parker offers standard as well as custom cassette seal designs. Operating conditions and severity of the environment will dictate which design will meet your needs. Custom designs featuring additional or alternate sealing or exclusion contact points may be engineered for special conditions such as high misalignment, pressure or axial movement.

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<tr>
<th>Profile</th>
<th>Features</th>
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<tbody>
<tr>
<td>CHPS</td>
<td>Incorporates multiple drain ports and integral axial face seal for excellent water exclusion</td>
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<tr>
<td>CHPF</td>
<td>Features drain port incorporated into a flanged design for maximum exclusion of contaminants into the bore.</td>
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<tr>
<td>CL</td>
<td>Includes multiple contact points for enhanced exclusion of contaminants in harsh environments at low speeds.</td>
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<tr>
<td>CB</td>
<td>Offers a metal press fit at the bore and axial face seal riding on its own case to allow use in applications with narrow width requirements.</td>
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**Typical operating ranges for standard designs**

| Operating Temperature Range | NBR: -20 to 250 °F (-29 to 121 °C)  
FMK: -40 to 400 °F (-40 to 204 °C) |
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<tr>
<td>Shaft Surface Speed</td>
<td>Up to 3200 fpm (16.3 m/s), depending on design</td>
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<tr>
<td>Maximum Pressure</td>
<td>0 to 5 psi (0 to 0.34 bar), depending on design and shaft speed</td>
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<tr>
<td>Shaft Size Range</td>
<td>0.500 to 14.000 inches (10 to 350 mm)</td>
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**Experienced Design Engineering**

For custom designs, Parker’s experienced design engineering team can work with you to design a custom cassette seal which meets your application needs and unique sealing objectives.

Contact Parker Customer Service representatives at 800-233-3900 for size and availability on standard designs or to request custom design engineering assistance.

**WARNING:**

Failure or improper selection of improper use of these products can cause equipment failure or damage, personal injury or death.

For safe and trouble-free use of these products, it is important that you read and follow the Parker Hauler Group Product Safety Guide. This Safety Guide can be referenced and downloaded free of charge at www.parkerhanchin.com. It is also printed in major Hauler Group product publications and can be ordered by telephone without charge at Parker Publication No. PS3-0040 by calling 1-800-2333-9000.

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