

RECIPROCATING OR STATIC SEAL APPLICATION DATA SHEET

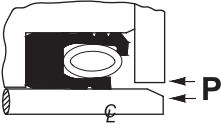

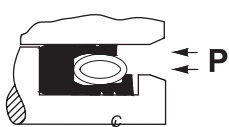

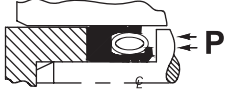

Bal Seal provides immediate technical support. We encourage you to complete the application in as much detail as possible and email this application to our Technical Sales Department. Bal Seal will be able to provide the best solution possible to meet your requirements by means of a seal design proposal and technical information.

Name: _____ Date: _____
 Company: _____ Title: _____
 Address: _____ Dept.: _____
 City, State & Zip: _____ Telephone: _____
 Email: _____ Fax: _____

<p>PRODUCT DATA: Equipment Type: _____</p> <p><input type="checkbox"/> Prototype <input type="checkbox"/> Retrofit <input type="checkbox"/> Production <input type="checkbox"/> Other</p> <p>Annual usage: _____ Reason: _____</p>	<p>SERVICE: <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent</p> <p><input type="checkbox"/> Reciprocating <input type="checkbox"/> Oscillating/Dithering <input type="checkbox"/> Static <input type="checkbox"/> Other:</p> <p>Travel Length: _____ Degrees Rotated: _____</p>	<p>CRITICAL FACTORS: Prioritize by number</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Low</th> <th>High</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Sealing: cc/min _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Life: hrs.,cyc _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Friction: _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Cost Target: _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Compatibility: _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Other: _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Value	Low	High	<input type="checkbox"/> Sealing: cc/min _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Life: hrs.,cyc _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Friction: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Cost Target: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Compatibility: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
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<p>TEMPERATURE: <input type="checkbox"/> °F <input type="checkbox"/> °C <input type="checkbox"/> °K</p> <p>Min: _____ Oper: _____ Max: _____</p> <p>Does the seal reach operating temperature before pressure is applied? <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>Does the seal reach cold temperatures prior to pressurizing? <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>Maximum temperature that the maximum pressure will see. _____</p>	<p>SPEED: <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent</p> <p>fpm (m/s) _____</p> <p>Hz _____</p> <p>rpm _____ cpm _____</p> <p>Cycling _____</p>
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<p>PRESSURE: _____ <input type="checkbox"/> Pa <input type="checkbox"/> PSI <input type="checkbox"/> Kg/cm² <input type="checkbox"/> Bar <input type="checkbox"/> Torr <input type="checkbox"/> inches Hg</p> <p><input type="checkbox"/> Environmental Pressure: Avg, _____</p> <p>DIFFERENTIAL PRESSURE ACROSS THE SEAL: (Into spring cavity)</p> <table border="0"> <tr> <td>Forward shaft travel</td> <td>Reverse shaft travel (If Different)</td> </tr> <tr> <td>Min: _____</td> <td>Min: _____</td> </tr> <tr> <td>Oper: _____</td> <td>Oper: _____</td> </tr> <tr> <td>Max: _____</td> <td>Max: _____</td> </tr> <tr> <td colspan="2">Other: (Explain Cycle) _____</td> </tr> </table>	Forward shaft travel	Reverse shaft travel (If Different)	Min: _____	Min: _____	Oper: _____	Oper: _____	Max: _____	Max: _____	Other: (Explain Cycle) _____		<p>MEDIA TYPE:</p> <p>Media Name: _____</p> <table border="0"> <tr> <td><input type="checkbox"/> Gas</td> <td><input type="checkbox"/> Solids</td> </tr> <tr> <td><input type="checkbox"/> Liquid</td> <td><input type="checkbox"/> Corrosive</td> </tr> <tr> <td><input type="checkbox"/> Viscous</td> <td><input type="checkbox"/> Contamination</td> </tr> <tr> <td><input type="checkbox"/> Abrasives</td> <td><input type="checkbox"/> Other</td> </tr> </table> <p>Solid Particles: _____ mm in size</p> <p>Description: _____</p> <p>Viscosity: _____ <input type="checkbox"/> Centipoise <input type="checkbox"/> Centistokes</p>	<input type="checkbox"/> Gas	<input type="checkbox"/> Solids	<input type="checkbox"/> Liquid	<input type="checkbox"/> Corrosive	<input type="checkbox"/> Viscous	<input type="checkbox"/> Contamination	<input type="checkbox"/> Abrasives	<input type="checkbox"/> Other
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<p>SHAFT DATA: <input type="checkbox"/> inch <input type="checkbox"/> mm</p> <p>Diameter: _____ Tolerance: _____</p> <p>Material: _____ Hardness: _____ Rc</p> <p>Surface: _____ <input type="checkbox"/> Ra <input type="checkbox"/> RMS <input type="checkbox"/> Ry</p> <p>Plating/Coating: _____</p> <p>Modifications Allowed: _____</p>	<p>GLAND CONFIGURATIONS:</p> <p><input type="checkbox"/> TWO-PIECE HOUSING</p>  <p><input type="checkbox"/> TWO-PIECE PISTON</p>  <p><input type="checkbox"/> ONE-PIECE PISTON (Stepped Gland)</p> 
<p>GLAND/BORE DATA: <input type="checkbox"/> inch <input type="checkbox"/> mm</p> <p>Diameter: _____ Tolerance: _____</p> <p>Width: _____ Radial Shaft Bore Clearance: _____</p> <p>Material: _____ Hardness: _____ Rc</p> <p>Surface: _____ <input type="checkbox"/> Ra <input type="checkbox"/> RMS <input type="checkbox"/> Ry</p> <p>Plating/Coating: _____</p> <p>Modifications Allowed: _____</p>	<p><input type="checkbox"/> TWO-PIECE HOUSING (Reverse pressure With Support)</p>  <p><input type="checkbox"/> TWO-PIECE PISTON (Reverse pressure With Support)</p>  <p><input type="checkbox"/> ONE-PIECE PISTON (Solid Gland)</p> 

FLEXIBLE DELIVERY SCHEDULES AVAILABLE Will Supply Drawings

Bal Seal products are custom made. Standard delivery for larger quantity orders is four to six weeks, though we can expedite small quantity and prototype orders. We can accommodate JIT, MRP planning, and special scheduling and we encourage scheduling of blanket orders. Expedited deliveries are possible for a nominal extra charge. Products are shipped from our factory in California, U.S.A.