

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: _____

PRODUCT DATA: Equipment Type: _____

Prototype Retrofit
 Production Other
 Annual usage: _____ Reason: _____

SERVICE: Continuous Intermittent

Reciprocating Oscillating/Dithering
 Static Other:
 Travel Length: _____ Degrees Rotated: _____

CRITICAL FACTORS: Prioritize by number

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"/>

TEMPERATURE: °F °C °K

Min: _____ Oper: _____ Max: _____
 Does the seal reach operating temperature before pressure is applied? Y N
 Does the seal reach cold temperatures prior to pressurizing? Y N
 Maximum temperature that the maximum pressure will see. _____

SPEED: Continuous Intermittent

fpm (m/s) _____
 Hz _____
 rpm _____ cpm _____
 Cycling _____

PRESSURE: _____ Pa PSI Kg/cm² Bar Torr inches Hg

Environmental Pressure: Avg, _____

DIFFERENTIAL PRESSURE ACROSS THE SEAL: (Into spring cavity)

<u>Forward shaft travel</u>	<u>Reverse shaft travel (If Different)</u>
Min: _____	Min: _____
Oper: _____	Oper: _____
Max: _____	Max: _____
Other: (Explain Cycle) _____	

MEDIA TYPE:

Media Name: _____

Gas Solids
 Liquid Corrosive
 Viscous Contamination
 Abrasives Other

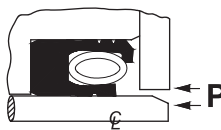
Solid Particles: _____ mm in size
 Description: _____
 Viscosity: _____ Centipoise Centistokes

SHAFT DATA: inch mm

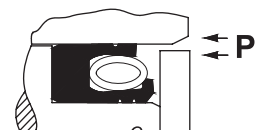
Diameter: _____ Tolerance: _____
 Material: _____ Hardness: _____ Rc
 Surface: _____ Ra RMS Ry
 Plating/Coating: _____
 Modifications Allowed: _____

GLAND CONFIGURATIONS:

TWO-PIECE HOUSING



TWO-PIECE PISTON



ONE-PIECE PISTON (Stepped Gland)



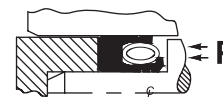
GLAND/BORE DATA: inch mm

Diameter: _____ Tolerance: _____
 Width: _____ Radial Shaft Bore Clearance: _____
 Material: _____ Hardness: _____ Rc
 Surface: _____ Ra RMS Ry
 Plating/Coating: _____
 Modifications Allowed: _____

TWO-PIECE HOUSING (Reverse pressure With Support)



TWO-PIECE PISTON (Reverse pressure With Support)



ONE-PIECE PISTON (Solid Gland)



FLEXIBLE DELIVERY SCHEDULES AVAILABLE

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.

Will Supply Drawings