

**AMERICAN SEAL & PACKING**

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# Seal Application Specification Form

Seal Spec Form

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Company: \_\_\_\_\_

Prepared by: \_\_\_\_\_

Title: \_\_\_\_\_

E-Mail: (required) \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Tele No.: \_\_\_\_\_ Ext.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

New Design  Target Price \_\_\_\_\_

Current Design  Cost \_\_\_\_\_

Model Number \_\_\_\_\_

Number of Seals required per  
Equipment \_\_\_\_\_

Number of Seals required per year \_\_\_\_\_

**ENVIRONMENT**

Sealing Media \_\_\_\_\_

Liquid  Gas  Solids

Specify corrosiveness, abrasives, or other harsh medium:

Pressure (PSI): Normal Operating \_\_\_\_\_

High \_\_\_\_\_

Low \_\_\_\_\_

Differential Pressure: \_\_\_\_\_

When pressure is present on both  
sides): \_\_\_\_\_

Pressure Pulsation (Specify Frequency): \_\_\_\_\_ Cycles per minute

Temperature : Operating \_\_\_\_\_ (Specify °F or °C)

High \_\_\_\_\_ (Specify °F or °C)

Low \_\_\_\_\_ (Specify °F or °C)

Temperature Fluctuations  
(Rate of Change): \_\_\_\_\_ °F or °C per minute

Allowable Leakage (Specify Units): \_\_\_\_\_

**MOTION.**

Rotary (RPM) \_\_\_\_\_

Direction of rotation viewed from ambient side:

Clockwise  Counter Clockwise

Reciprocation (Specify Surface Speed): \_\_\_\_\_ feet/minute \_\_\_\_\_ or  
\_\_\_\_\_ feet/second

Oscillation (Specify Angle) \_\_\_\_\_ Frequency (Cycles/min) \_\_\_\_\_

Static \_\_\_\_\_

Other \_\_\_\_\_

Startup Friction (Specify Normal value): \_\_\_\_\_

Running Friction (Specify Normal value): \_\_\_\_\_

Life requirement \_\_\_\_\_

Specify by unit; hours, years or by the  
duty cycles: \_\_\_\_\_

**HARDWARE.**

Bore Diameter (Specify in inches or mm) \_\_\_\_\_ Tolerance  $\pm$  \_\_\_\_\_

Case Housing material: \_\_\_\_\_

Surface finish (rms) \_\_\_\_\_

Specify coating or plating being used \_\_\_\_\_ Hardness (R/c) \_\_\_\_\_

Shaft Diameter (Specify in inches or mm) \_\_\_\_\_ Tolerance  $\pm$  \_\_\_\_\_

Shaft material: \_\_\_\_\_

Surface finish (rms) \_\_\_\_\_

Specify coating or plating being used \_\_\_\_\_ Hardness (R/c) \_\_\_\_\_

Length or Depth (Specify in inches or mm) \_\_\_\_\_ Tolerance  $\pm$  \_\_\_\_\_

Specify material and surface finish of any adjacent part to be contact with seal

Specify any misalignment, runout (TIR) \_\_\_\_\_

Specify any obstructions  
such as grooves, shoulders and  
keyways \_\_\_\_\_

If there are additional requirements please provide all the necessary information below or  
please attach a drawing.

