

ENGINEERING ACTION REQUEST

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(Please describe only **one** sealing application per E.A.R)

• CUSTOMER DATA •

Company Name _____ Customer # _____
Address _____ Date Submitted: _____
City _____ Date Required: _____
State, Zip, Country _____ Submitted By: _____
Telephone # _____ Fax # _____
Email _____
Contact Person _____ Title _____
Products Mfd/Sold/Service _____

- OEM
- Distributor
- Rebuilder

• APPLICATION DATA •

1. Is this application: New Design Retrofit

2. Type of Seal: Piston (O.D.) Rod Scraper
 Rod (I.D.) Face (Ext. Int.)

3. Specs: Part Number: _____ Size: _____
Material: _____ Profile: _____
Companion Parts: _____

4. Type of Motion: Reciprocating Rotary
 Static Oscillatory

5. Sudden changes in: Temperature Surface Speed
 Pressure

6. Temperature: °C °F Min. _____ Normal _____ Max. _____

7. Pressure: Unidirectional Bidirectional
 kg/cm² PSI Min. _____ Normal _____ Max. _____
Vacuum: in Hg Torr Min. _____ Normal _____ Max. _____

8. Stroke Length: mm in Min. _____ Normal _____ Max. _____

9. Surface Speed: mm/sec ft/min Min. _____ Normal _____ Max. _____

10. Cycle rate: strokes/sec strokes/min Min. _____ Normal _____ Max. _____

11. Degrees of Rotation: Min. _____ Normal _____ Max. _____

12. RPM: Min. _____ Normal _____ Max. _____

13. Media being sealed: _____

14. If retrofit, please describe why customer wants to consider a new seal. _____

• PERFORMANCE DATA •

1. Maximum Allowable:
Static Friction _____
Dynamic Friction _____
Fluid Leakage _____ Drops/Cycle cc/Hour Other _____

2. Desired service life: _____ Revolutions Surface meters Surface feet
 Cycles Hours Years

3. Any Special Requirements: _____

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• HARDWARE DATA •

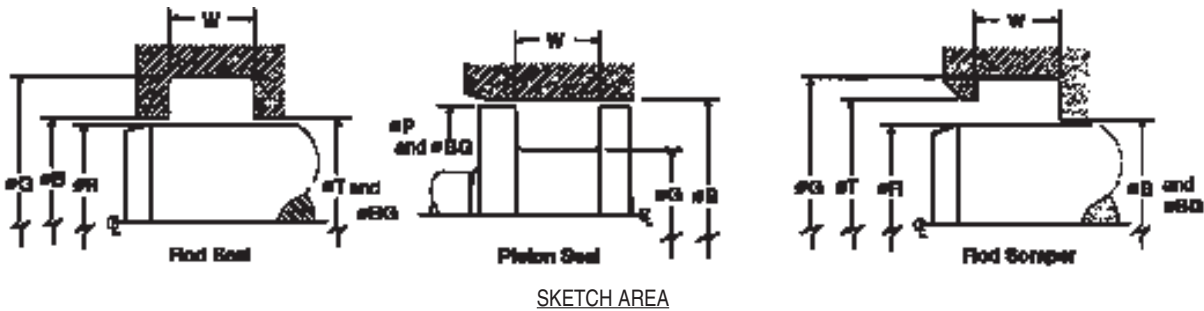
All dimensions are in: Millimeters Inches

Bore: ϕB _____ Tol. _____ Mat'l _____ Finish _____ Hardness _____
 Piston: ϕP _____ Tol. _____ Mat'l _____ Finish _____ Hardness _____
 Throat: ϕT _____ Tol. _____ Mat'l _____ Finish _____ Hardness _____
 Groove: ϕG _____ Tol. _____ Mat'l _____ Finish _____ Hardness _____
 Width: W _____ Tol. _____ Mat'l _____ Finish _____ Hardness _____
 Rod: ϕR _____ Tol. _____ Mat'l _____ Finish _____ Hardness _____
 Bearing: ϕBG _____ Tol. _____ Mat'l _____ Finish _____ Hardness _____

1. Can hardware design be changed Yes No How? _____

2. Reference design specifications: _____

3. Indicate applicable hardware design requirements in sketches below while showing pressure magnitude and directions (with arrows).



4. Drawings, sketches, other information attached: Yes No How? _____

• COMPETITIVE DATA •

1. Who is competitor? _____
 2. What is competitor's product? _____
 3. What wins the order? Performance Price Delivery Other _____
 4. Are prototypes required? Yes No How many? When?
 5. Estimated sales volume: _____ Pieces, sets/month, year, project...