

Garlock KLOZURE®

Steam Turbine Bearing Isolators

Specifically designed for steam turbine applications

Single-stage and multi-stage steam turbines are commonly used in the industry such as refineries to drive pumps, compressors and other mechanical-drive applications. These applications are critical to the operation and safety of the plant, making steam turbine reliability at utmost importance.

Typical failure involves damage to the bearing due to lack of lubrication or contamination ingress such as steam from leaking carbon rings.

Garlock KLOZURE® Steam Turbine Isolators are designed to prevent these events and ensure operation uptime and safety at your workplace.

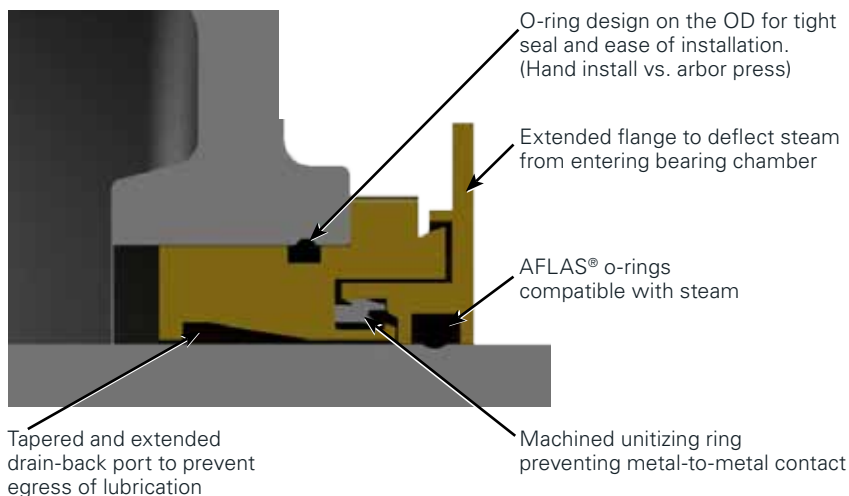
BENEFITS

- » Extend bearing life by preventing ingress of steam into bearing chamber – Extending Mean Time Between Repair
- » Prevent lubrication leakage no matter the lubrication system used
- » Engineered features to use on steam turbine with easy retrofit to the existing simple labyrinth seal
- » Steam compatible Aflas® o-rings to create a tight seal between equipment and Isolator
- » Bronze construction is suitable with high temperature steam and is non sparking

AVAILABILITY

- » Available in stock interchange for common turbine brands Elliot®, Coppus®, Terry®, Turbodyne®
- » Custom design for modified bore

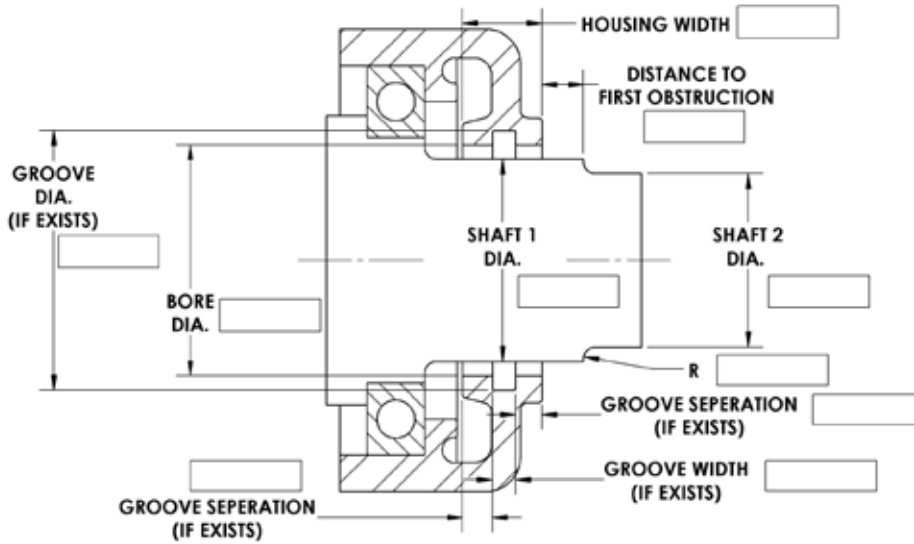
FEATURES



TYPICAL PHYSICAL PROPERTIES

| | |
|----------------------------|--|
| Construction | Bronze body with Aflas® o-ring and PTFE unitizing ring |
| Speed | 12000 f/m (60,9m/s) |
| Axial motion | ±0.015" (0,38mm) |
| Misalignment/Runout | ±0.010" (0,25mm) |
| Lubrication level | Below shaft |
| Protection | IP56 |
| Internal Pressure | Ambient (vented) |
| Temperature | 25°F to 400°F (-5°C to 204°C) |

GARLOCK KLOZURE STEAM TURBINE BEARING ISOLATOR APPLICATION DATASHEET



All dimensions supplied to 3 decimal places.

Contact Information: Name: _____ Phone Number: _____
 Email: _____

Equipment Type: _____
 Manufacturer: _____
 Model Number: _____

Previous Seal Design: Oil Seal Bearing Isolator Other: _____
 Seal Manufacturer: _____ Quantity Required: _____
 Seal Part Number: _____

Seal Design: Solid Split
 Construction Material: Bronze 316 SS
 Seal Purpose: Contamination Exclusion Lubricant Retention Shaft Grounding

Application Conditions
 Speed: _____ RPM fpm mps
 Temperature: _____ °F °C
 Pressure: _____ PSI bar
 TIR (total indicated runout): _____ in mm
 Axial Movement: _____ in mm
 Shaft Orientation: Horizontal Vertical Top Vertical Bottom
 Lubrication Method: Grease Oil Sump Air-Oil Oil Mist
 Media Fill Level: Below Shaft Mid Shaft Submerged Shaft
 Media Manufacturer: _____
 Media Product Name: _____

Notes: _____

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