

# LabTecta<sup>®</sup> 66ST

Bearing Protector for Steam Turbines



## LabTecta®66ST – Bearing Protector for Steam Turbines

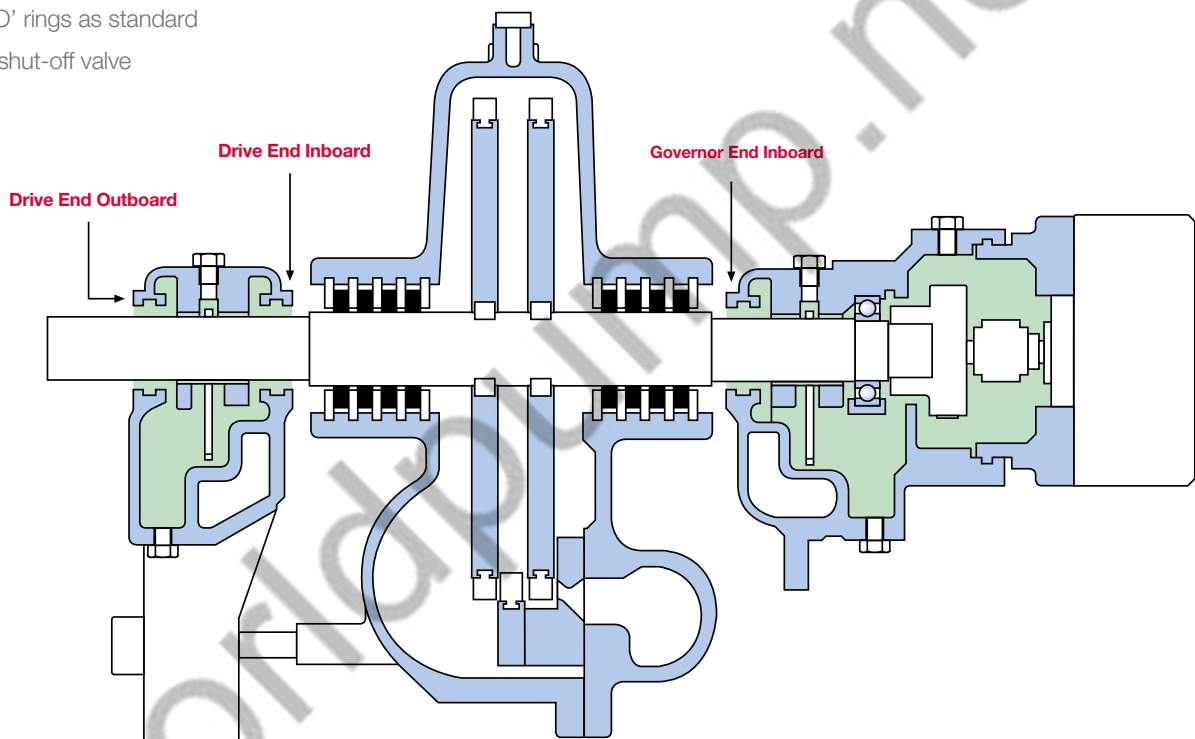
Process steam turbines present a unique challenge for bearing protection.

As the carbon rings containing the steam wear, high temperature / high velocity steam travels down the shaft directly at the bearing seal. Standard OEM labyrinth seals have proven to be ineffective preventing steam ingress.

AESSEAL® has developed LabTecta®66ST designs specifically designed for steam turbine applications.

This design features:

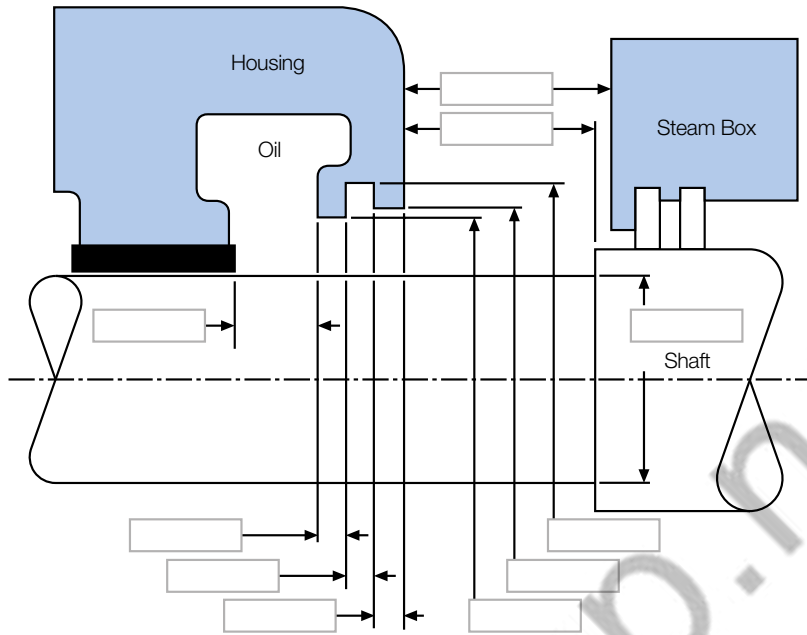
- High temperature static shaft seal
- Extra clearances for thermal expansion
- Steam deflector / Flinger
- TFE/P 'O' rings as standard
- Internal shut-off valve



For smaller steam turbines, the LabTecta-ST™ design provides excellent protection in a compact package. For larger steam turbines, the LabTecta-STAX™ provides easy installation with the capability to accommodate large axial shaft movement.

Standard designs are available for common steam turbines models like the Elliott® YR series. Specific designs can be manufactured at no additional charge.

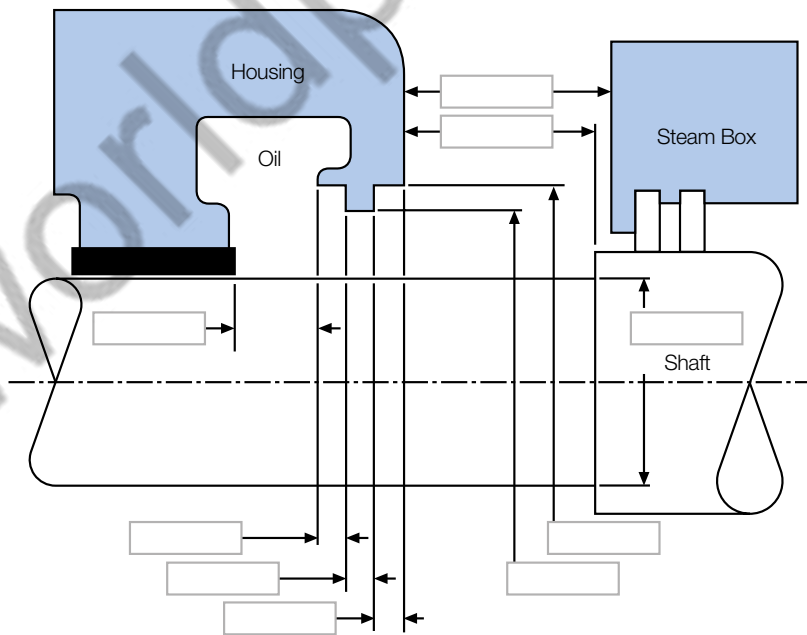
Male Turbine Data



Manufacturer: ..... Model: .....

Seal Position:  Drive End Outboard  Drive End Inboard  Gov. End Inboard

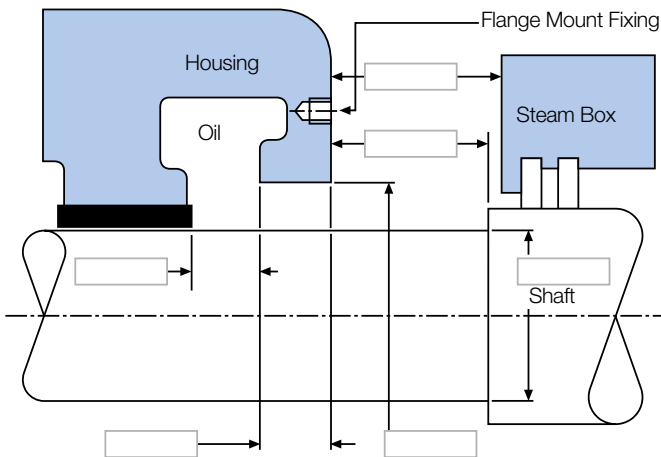
Female Turbine Data



Manufacturer: ..... Model: .....

Seal Position:  Drive End Outboard  Drive End Inboard  Gov. End Inboard

# Press Fit / Flange Mount Turbine Data



Qty: .....  
 PCD: .....  
 Bolt Size: .....  
 Bolt Size: .....

Manufacturer: ..... Model: .....

Seal Position:  Drive End Outboard  Drive End Inboard  Gov. End Inboard

## Machinery Application Details

Manufacturer: ..... Equipment Type: .....

Size / Model: ..... Industry: .....

Speed: ..... rpm Axial Movement (max) ..... Radial Movement (max) .....

## Description of Application

Bearing Type: Ball Bearing  Sleeve Bearing   
 Lubricant Type: Forced Lubrication  Wet Slump

Bearing Housing Temperature: ..... °C / ..... °F

Complete the information above and send to:

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Further information about the AESSEAL® LabTecta®66 range is available in the standard LabTecta®66 brochure.

E-mail: [sales@labtecta.com](mailto:sales@labtecta.com) to request a copy or download it from our website: [www.labtecta.com](http://www.labtecta.com)

This brochure is fully recyclable. When laminated, a sustainable, biodegradable and recyclable lamination is used.

For further information and safe operating limits contact our technical specialists at the locations below.



Use double mechanical seals with hazardous products.

Always take safety precautions:

- Guard your equipment
- Wear protective clothing

**WARNING**

AESSEAL plc is certified to ISO 9001, ISO 14001, ISO/IEC 20000, ISO/IEC 27001, ISO/TS 29001, ISO 37001, ISO 45001 & ISO 50001

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**NET ZERO**

AESSEAL plc is Net Zero for Manufacturing in the UK

**INVESTOR IN PEOPLE**

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