AESSEAL®
ENVIRONMENTAL TECHNOLOGY

LabTecta®66ST

Bearing Protector for Steam Turbines

LabTecta® 66ST

LabTecta® 66STAX

www.aesseal.com

LabTecta®66ST — Bearing Protector for Steam Turbines

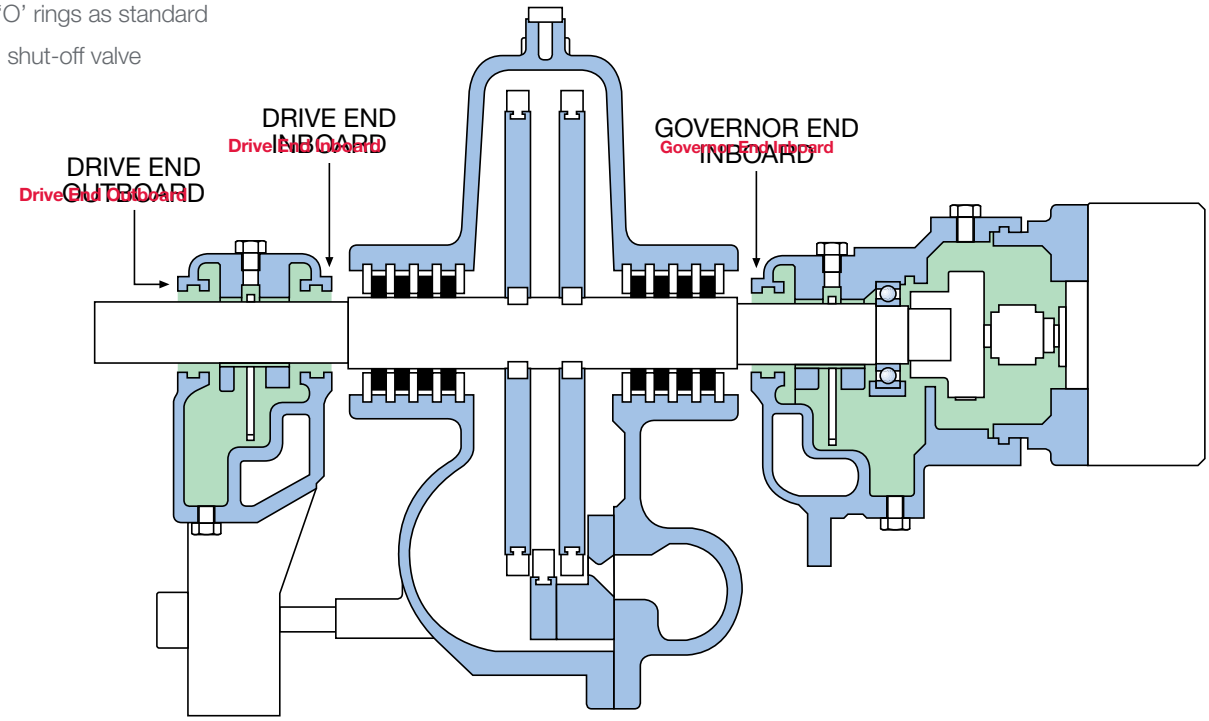
Process steam turbines present a unique challenge for bearing protection.

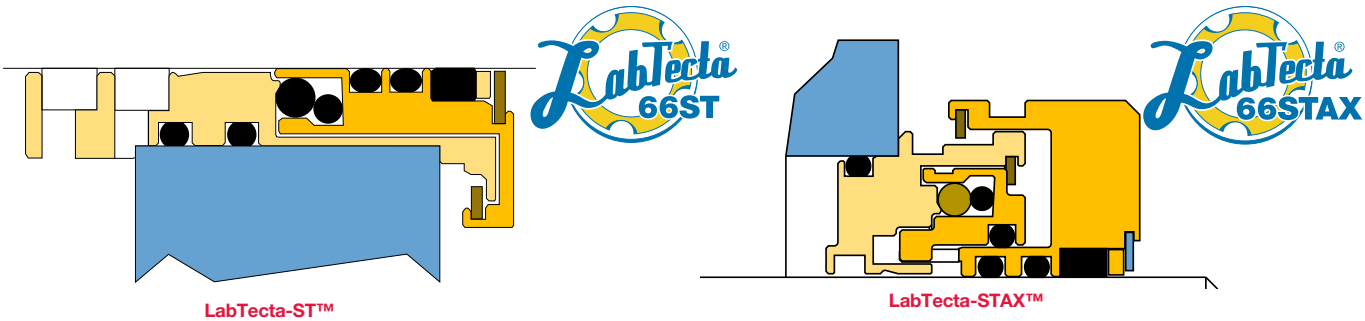
As the carbon rings containing the steam wear, high temperature / high velocity steam travels down the shaft directly at the bearing seal. Standard OEM labyrinth seals have proven to be ineffective preventing steam ingress.

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



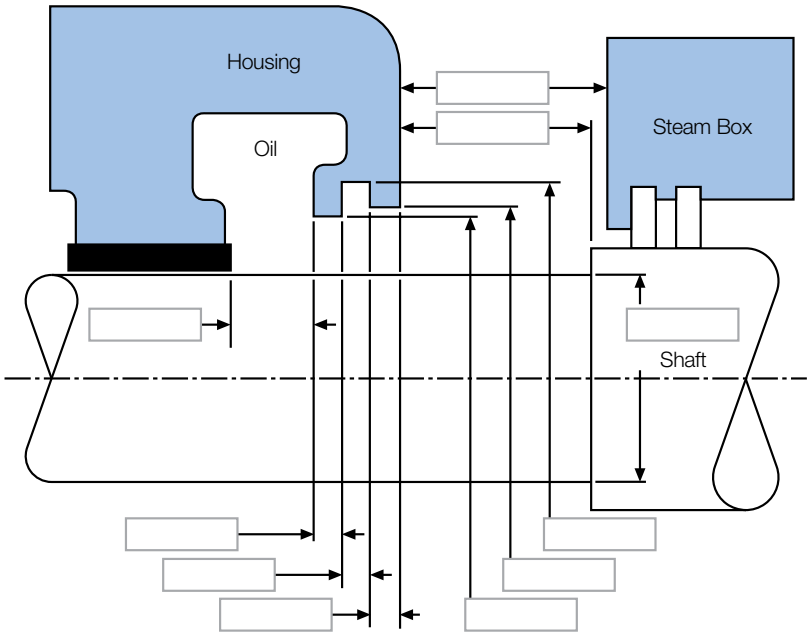


LabTecta-ST™ LabTecta-STAX™

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.

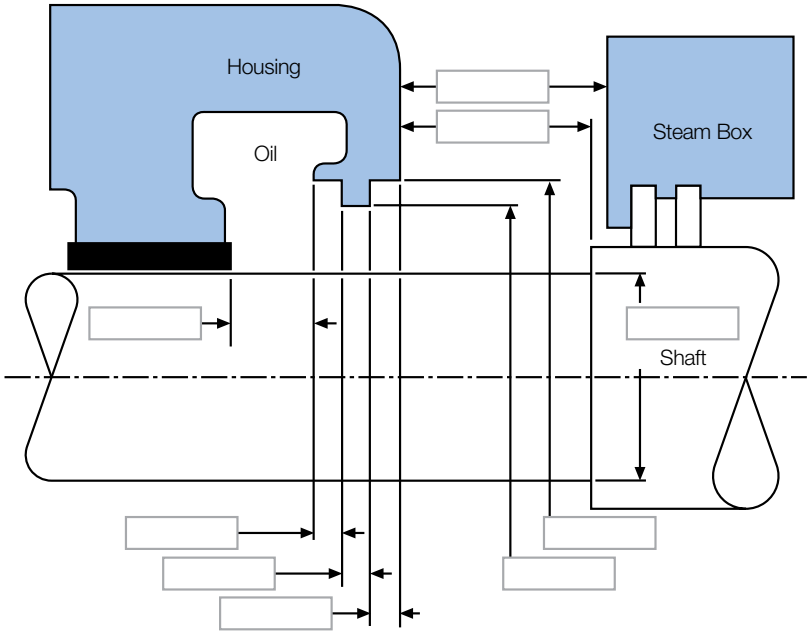
Male Turbine Data



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

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

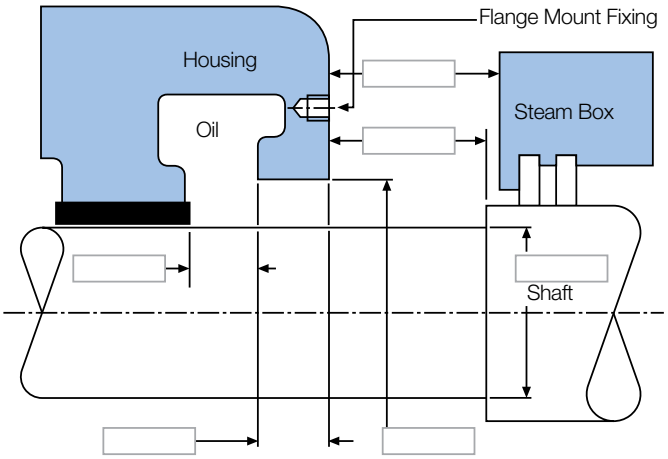
Female Turbine Data



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: .....

Size / Model: .....

Equipment Type: .....

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:

UK Fax: **+44 (0) 1709 720788** USA Fax: **+1 865 531 0571** E-mail: **sales@labtecta.com**

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

E-mail: **sales@labtecta.com** to request a copy or download it from our website: **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.

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2021

THE QUEEN'S AWARDS FOR ENTERPRISE: SUSTAINABLE DEVELOPMENT 2022

AESSEAL plc is certified to:

ISO 9001, ISO 14001, ISO/IEC 20000, ISO/IEC 27001, ISO/TS 29001, ISO 37001, ISO 45001 & ISO 50001

Use double mechanical seals with hazardous products.

Always take safety precautions:

WARNING

- **Guard your equipment**
- **Wear protective clothing**

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