APPLICATION SOLUTIONS: PROCESS STEAM TURBINES

Increase Reliability and Decrease Maintenance Costs.

Process steam turbines are critical equipment used in multiple industries. They are designed to operate for many years, but they can fail prematurely from steam leakage into the bearing housing. To increase MTBR and reliability throughout your operation, specify genuine Inpro/Seal Bearing Isolators.

Inpro/Seal’s unique design specifically for steam turbines will easily accommodate temperatures up to 1000°F [537°C] while utilizing a deflector rotor and VBXX® interface to permanently protect the bearings from steam leakage.

Unscheduled downtime can be costly, but don’t worry, Inpro/Seal has you covered. We’ve streamlined our operation process to offer same day shipments, even on new designs, to get your equipment running right away.

Count on us to improve reliability, increase MTBR, and maximize asset protection and utilization. As the inventor and global leader of bearing isolator technology, Inpro/Seal has the knowledge and local sales network to deliver expert engineering and proven results.
Data Needed For Quote

MANUFACTURER & MODEL:

SEAL LOCATION: Coupling Drive End Steam Thrust End Steam

TEMPERATURE AT SEAL: °C | °F Min Max

SHAFT THERMAL EXPANSION:

LUBE:

DRAIN SYSTEM:

FALL ONE INWARD MOVEMENT:

HARD SHAFT COATING: Yes No

SHAFT SPEED:

THRUST BEARING AXIAL MOVEMENT:

MISALIGNMENT:

Shaft To Bore Misalignment Greater Than .005” Yes No

If yes, how much?

Thrust To Bore Misalignment Greater Than .007” Yes No

If yes, how much?

FIRST OBSTRUCTION:

Step Keyway Other

HOUSING TYPE:

Solid Split

SEAL TYPE:

Solid Split

TOTAL PIECES OF EQUIPMENT:

CONTACT FOR QUESTIONS:

BRIEFLY DESCRIBE THE APPLICATION:

STEPED HOUSINGS (circle one if applicable)

FEMALE HOUSING

MALE HOUSING

PLEASE SUPPLY ALL DIMENSIONS TO 3 DECIMAL PLACES

OUTBOARD NEAREST OBSTRUCTION

INBOARD NEAREST OBSTRUCTION

DISTANCE TO START OF STEP FROM HOUSING FACE (if applicable)

DISTANCE TO FIRST INWARD OBSTRUCTION

DISTANCE TO FIRST OUTWARD OBSTRUCTION

HOUSING THICKNESS

FILLET RADIUS (if applicable)

SHAFT DIAMETER

BORE DIAMETER

OUTBOARD DIAMETER

INBOARD DIAMETER

D1  D2  D3  E1  E2  E3

G

DISTANCE TO SHAFT CENTER LINE

A

C

B

H

E

F

G

OUTBOARD DIAMETER

INBOARD DIAMETER