



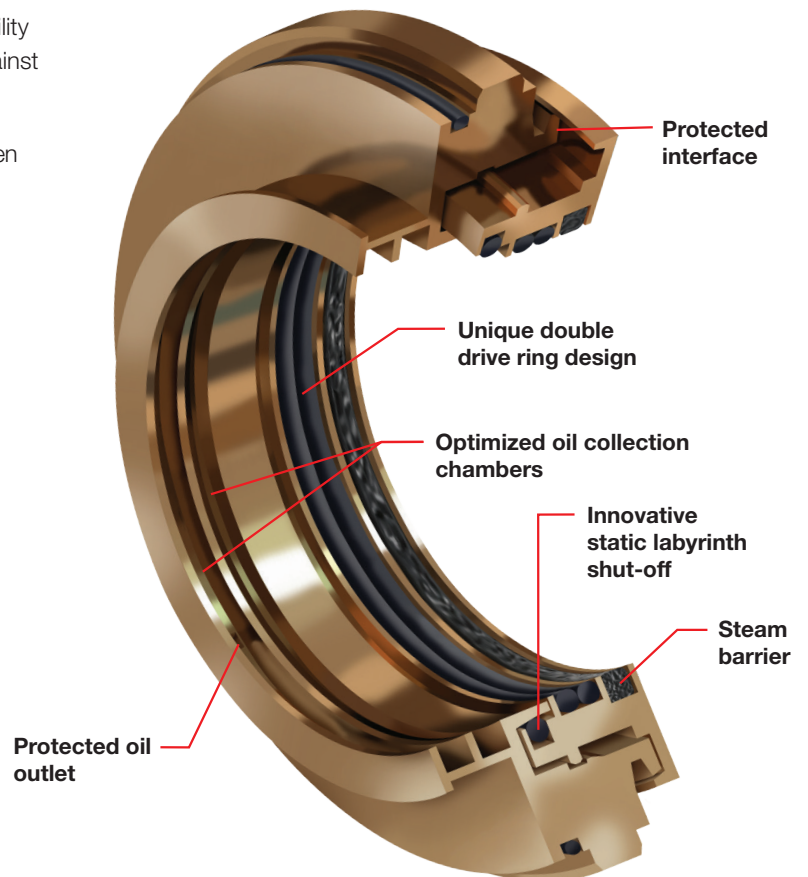
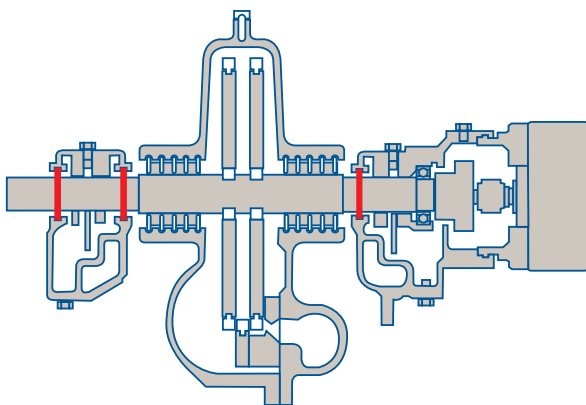
Bearing Gard™ Bearing Isolator for Steam Turbines

Bearing Gard protection technology delivers reliable isolation from contamination to keep bearings running cleaner and longer.

Superior protection for your steam turbine

Bearing Gard bearing isolators improve equipment reliability and reduce maintenance by creating a strong barrier against steam ingress, which causes oil contamination.

- Static protection is assured by an internal O-ring between the rotor and stator.
- Dynamic protection is provided by a tortuous labyrinth that effectively repels severe environmental conditions.
- Standard design accommodates axial shaft movement of 0.63 mm (0.025 in) TIR
- Static sealing quickly transitions to non-contacting operation for consistent performance and will not wear on the shaft or equipment.
- Steam turbine specific oil retention features work to keep oil inside the housing, even with oil-injected bearings.





Bearing Gard™ Bearing Isolator for Steam Turbines

Deliveries in one week or less

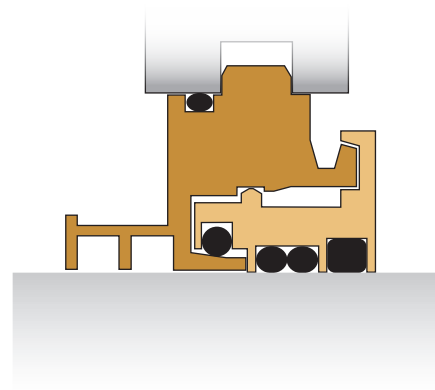
Working to keep industry running, Flowserve offers common Bearing Gard steam turbine designs delivered from stock and custom solutions in one week or less.

We are continuously expanding our product range and custom engineered solutions. Your local Flowserve representative will guide you through the selection and ordering process.

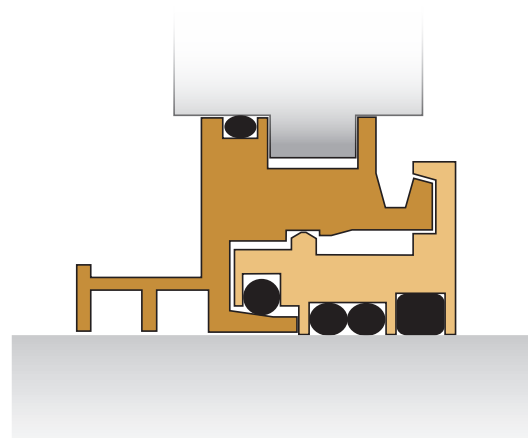
General guidelines for Bearing Gard steam turbine designs

Shaft diameter	23–150 mm (0.875–6.000 in)
Mounting	grooved, non-grooved or pressfit
Maximum axial movement	0.63 mm (0.025 in)
Maximum radial runout	0.26 mm (0.010 in)
Maximum steam temperature	425°C (800°F)
Speed	to 5000 rpm
Rotor and stator	bronze
O-rings	TFE-Propylene
Steam barrier	graphite
Bearing lubrication	oil splash, forced oil sleeve bearing, ring oil, non-flooded conditions

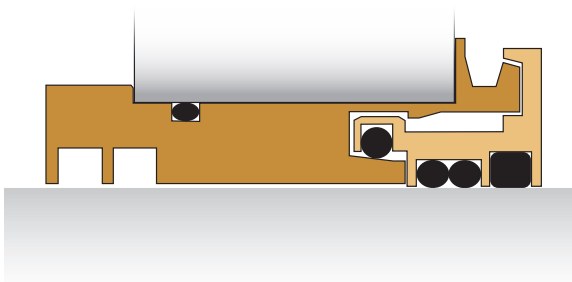
Grooved housing



Non-grooved housing



Narrow housing



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