

Labyrinth Seal (For Compressors & Turbines)

TYPE : LB-1610

Stator / Body :

- Bronze / SS 304 / SS 316 / Aluminium Bronze

Labyrinth Teeth :

- Integral Metallic / PEEK / PAI (Torlon®) / Fluorosint®

Hardware :

- SS 304 / SS 316 / Inconel / Hastelloy

Operating Limits :

Size : 19 mm to 500 mm (0.748" to 19.685")

Speed : Up to 35 m/s (6,890 fpm)

Pressure : Engineered to differential pressure

Temperature : -40 °C to +200 °C (-40 °F to +392 °F)



Illustrative rendering

Application :

- Centrifugal Compressors
- Steam & Gas Turbines
- Turbo-Expanders
- Blowers & Exhaust Fans
- Pump & Motor Bearing Housings
- Industrial Gearboxes
- Retrofit & Overhaul Upgrades

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Features :

- **Multi-Tooth Labyrinth Geometry** for staged pressure breakdown.
- **Non-Contact Operation**; no shaft wear, scoring or frictional heat.
- **Split or Solid Construction** for new builds, overhaul and retrofit.
- **Straight, Stepped or Slanted Teeth** to suit leakage and clearance targets.
- **Thermoplastic Tooth Option** allows tighter running clearances.
- **Clearance Engineered** to shaft size, thermal growth and speed.
- **Eye, Interstage, Balance-Piston** and shaft-end seal duties.
- **Built to Drawing** against the shaft, bore and housing.

➤ **DIMENSIONS AVAILABLE ON REQUEST**