

# PTFE shaft seals

Rotating shaft seals offering optimum performance in extreme temperature and fluid environments.

PTFE radial shaft seals utilize a Polytetrafluoroethylene wafer for dynamic sealing. SKF offers a range of PTFE solutions including bonded and unitized designs.

## Available applications

All rotating shafts in engines and transmissions.

**A thoroughly tested, long-life solution to sealing needs, the PTFE seals add value by delivering advantages such as:**

- Superior chemical resistance for most aggressive oils and fluids
- Wider temperature range than elastomers
- Lower friction and power loss compared to spring loaded designs
- Helps overcome shaft deficiencies due to a long lip lay down
- Reduced shaft wear
- Excellent dry-running capability
- All of the above lead to a longer life

**SKF has “state of the art” manufacturing processes that deliver excellent quality and performance. The SKF bonded PTFE seal:**

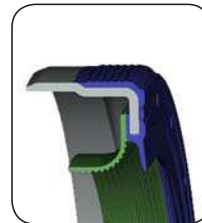
- Eliminates leak paths
- Creates high bond reliability

**SKF has a long experience with PTFE sealing solutions, allowing us to develop the most advanced designs using leading-edge technology. This technology results in a highly economical and effective product. The SKF PTFE seal offers the following features:**

- Robust design
- High speed capability
- Allows for a damage free installation
- Special custom designs available, e.g. plastic bayonet fitting



*Bayonet PTFE seal*



*Third generation PTFE seal*



*Fourth generation PTFE seal*

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