

Low friction seals

Rotating elastomeric shaft seals offering high durability and low friction.

Low friction seals from SKF are based on the technology of the PTFE seals but use sophisticated elastomer materials. These seals can be incorporated into all sealing solutions and modules.

Available applications

All rotating shafts, primarily in engines, but also in transmissions.

Our low friction seals have been developed to meet the automotive industry targets on efficiency and emission reduction and offers the following value:

- Low friction and power loss to help minimize fuel consumption and CO₂ emissions.
- Outstanding sealing security for long life
- Assured gas tight sealing lip for the engine air leak test
- Variety of outer diameter designs for best installation and retention of the seal

SKF has been at the forefront of shaft seal designs since the first patents in 1928, enabling us to offer customized products to meet the latest technical requirements. Features and benefits of these include:

- Robust sealing and high durability, even at high speed
- Improved capability on eccentricity and dynamic run-out compared to PTFE seals
- Good dry-running ability
- Minimal shaft wear
- Excellent dirt exclusion
- Simple installation
- Air tightness



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