Valve stem seals

Provide a defined metering rate of oil to the valve stem interface of internal combustion engines, while providing low engine emissions and competitive pricing.

Available applications

Diesel and gasoline engines with and without turbo chargers.

SKF offers two basic designs of "state-of-the-art" valve stem seals. These are:

- Non-integrated seal (Type 861+866) which fulfils the function of oil metering rate
- Integrated seal (Type 863) which additionally incorporates a spring seat to prevent wear on the cylinder head

SKF is in a position to finely tune the design of seals to provide the optimum oil metering rate for the application.

Superior product materials, SKF formulated Fluoropolymer, are used in the manufacturing of the valve stem seals resulting in:

- Excellent chemical resistance
- Excellent temperature resistance
- High reliability
- Low wear

The design characteristics of the valve stem seals allow for dynamic sealing abilities such as:

- Flexible lip to allow valve stem movement and static eccentricity
- Lip stabilization by bonded reinforced ring
- Constant radial force by tempered garter spring

Through extensive experience, SKF has become the European market leader, creating the most effective product with the following advantages:

- Consistent oil metering and long life
- Developed to specific customer requirements or use of standard seals
- Fully automated production cells means top quality
- Complete technical service to provide optimal function
- Long term emissions control
- Competitive pricing

Valve stem seal 861

Valve stem seal 866

Valve stem seal 863

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