

TTP SEALS



VIA/VIAS FPM

Rotary shaft seal in standard design according to DIN 3760 with a completely Elastomer encased metal insert and a spring-energised sealing lip. In addition, the standard model is available with a protective lip (VIAS) on the air side.

Description

Product group: Rotary shaft seal
Design: A = outer surface rubber-coated
Seal material: FKM 80 3403
Colour: brown
Stiffening ring: non-alloy steel according to DIN EN 10139
Tension spring: stainless spring steel 1.4301 (SAE 304)

Areas of application

Sealing of rotating machine elements such as shafts, hubs and axles.

Function

The VIA FKM is a single acting rotary shaft seal for rotating or pivoting shafts with optional protective lip sealing action (VIAS) on the side facing away from the medium against dirt accumulation from the outside. The elastomer outer sheath provides good static sealing, good thermal expansion balance, e.g. in light-metal housings, better sealing with greater roughness and secure sealing for split housings as well as good static sealing with thin liquid or gaseous media. FPM is superior to the NBR materials for high temperature applications, high peripheral speeds and chemically aggressive media. The combination of FPM material, the standard fully-encased metal insert and the spring made of non-rusting steel enables application in chemically aggressive media.

Media

Mineral oils and greases, synthetic oils and greases, engine, gear and ATF oils, fuels, aromatic and chlorinated hydrocarbons, broad chemicals and solvents resistance.

Operational application limits

Pressure (MPa/bar): $\leq 0.05/0.5$
Temperature (°C): -30 to +200
Peripheral speed (m/s): ≤ 35

Installation

Suitable tools should be used for installation. It is recommended that the installation housing is designed to provide the rotary shaft seal with axial support.