

TTP SEALS



AO,BO

Rotary shaft seal in standard design with a grooved elastomer outer sheath covering a metal insert without an energised spring on the sealing lip. The WBO model is provided with a metal outer surface.

Description

Product group: Rotary shaft seal
Design: A = outer surface rubber-coated
Model: O = without spring and with grooved outer surface
Seal material: NBR 70 3412
Colour: black
Seal material: NBR 70 3413
Colour: green
Stiffening ring: non-alloy steel according to DIN EN 10139

Areas of application

Secondary sealing e.g. as a dust, dirt or spray protection seal in electric engines, as a grease retainer.

Function

The AO / BO / are single-action rotary shaft seals for rotating or pivoting shafts. The sealing lip design without a spring produces less friction. As a result, the sealing action in comparison to rotary shaft seals with energised springs is reduced. 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 fluid or gaseous media.

Tight and accurate fitting is achieved by the metal outer casing. The WBO model has limited sealing action with thin fluid or gaseous media and in split housings. To guarantee a high level of static sealing on the outer surface, better surface treatment of the housing bore is necessary.

Media

Good chemical resistance to various mineral oils and greases.

Operational application limits

Pressure (Mpa/bar): 0/0
Temperature (°C): -40 to +100
Peripheral speed (m/s): ≤ 12

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.