

# WAS



Rotary shaft seal in standard design referring to DIN 3760 with an elastomer outer sheath covering a metal insert as well as a spring-energised sealing lip. In addition, the standard design is available with a protective lip (WAS) on the air side.

## DESCRIPTION

- Product group:** Rotary shaft seal
- Design:** A = outer surface rubber-coated
- Model:** S = protective lip
- Seal material:** NBR 70
- Colour:** black
- Stiffening ring:** non-alloy steel according to DIN EN 10139
- Tension spring:** non-alloy spring steel according to DIN EN 10270-1

## AREAS OF APPLICATION

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

## FUNCTION

The WAS is a single-action rotary shaft seal for rotating or pivoting shafts with optional protective lip sealing action (WAS) 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 fluid or gaseous media.

## MEDIA

Good chemical resistance to many mineral oils and greases.

## OPERATIONAL APPLICATION LIMITS

- Pressure (Mpa/bar):  $\leq 0.05/0.5$
- Temperature (°C): -40 to +100
- Peripheral speed (m/s):  $\leq 12$

## 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.

## REMARKS

The nominal widths mentioned on the following pages represent the standard dimensions. They are generally in stock or can be delivered at short notice.

Other dimensions and different designs, e.g. double dust protection lip, spiral on the sealing lip, springs or metal cases made of other steel grades can be produced as well as all kinds of special designs. Minimum quantities may be obligatory for dimensions outside of the standard.

