



WA

Rotary shaft seal in standard design according 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

Seal material: NBR 70, FKM 80

Colour: black

Stiffening ring: non-alloy steel acc. to DIN EN 10139

Tension spring: non-alloy spring steel acc. to DIN EN 10270-1

AREAS OF APPLICATION

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

FUNCTION

The WA is a single-action rotary shaft seal for rotating or pivoting shafts. 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

| Material | Peripheral speeds [m/s] | Pressure [bar] | Temperature [°C] |
|----------|-------------------------|----------------|------------------------------|
| NBR | < 10 | 0,5 | -40 to +80 (short term +100) |
| FKM | < 34 | 0,5 | -25 to +150 |

The above-mentioned operating parameters are maximum values and may not occur simultaneously. Each is dependent on the other operating parameters.

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.

