



WDR B NBR

Rotary shaft seal in standard design with a metal outer surface and a spring-energised sealing lip made of elastomer. In addition, the standard model is available with a protective lip (WBS) on the air side.

Description

Product group: Rotary shaft seal

Design: B = outer surface metal

Model: S = protective lip

Seal material: NBR 70 3412, NBR 70 7504, NBR 70 4604

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 WBS is a single-action rotary shaft seal for rotating or pivoting shafts with optional protective lip sealing action (WBS) on the side facing away from the medium, against dirt accumulation from the outside. Tight and accurate fitting is achieved by the metal outer surface. The WB model has limited sealing action with thin fluid or gaseous media and with split housings. To guarantee a high degree of static sealing on the outer surface, better surface treatment of the housing bore is required or an additional coat of paint should be applied to the outer surface.

Media

Good chemical resistance to diverse mineral oils and greases.

Operational application limits

Pressure (Mpa/bar): $\leq 0.05/0.5$

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.