



## WDR C NBR

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

### Description

Product group: Rotary shaft seal

Design: C = outer surface metal and stiffening ring

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

Colour: black metal cage/

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

Heavy engineering, e.g. agricultural and forestry machinery, wind energy converters and rolling mills. As a result of its greater rigidity the WC/WCS is particularly suitable for larger dimensions as well as difficult installation conditions and severe operating conditions.

### Function

The WC is a single-action rotary shaft seal for rotating or pivoting shafts with optional protective lip sealing action (WCS) on the side facing away from the medium, against dirt accumulation from the outside. The additional metal insert gives the rotary shaft seal more rigidity and the metal outer casing guarantees tight and accurate fitting. 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 metal outer casing.

### Media

Good chemical resistance to various 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.