



WBO

Rotary shaft seal WBO model is provided with a metal outer surface without an energised spring on the sealing lip.

DESCRIPTION

Product group: Rotary shaft seal
Design: B = outer surface metal
Model: O = without spring
Seal material: NBR 70
Colour: black
Seal material: FKM 80
Colour: brown
Stiffening ring: non-alloy steel according to DIN EN 10139

MEDIA

Good chemical resistance to various mineral oils and greases.

AREAS OF APPLICATION

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

FUNCTION

The WBO is a single-action rotary shaft seal 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. 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.

OPERATIONAL APPLICATION LIMITS

Material	Peripheral speeds [m/s]	Pressure [bar]	Temperature [°C]
NBR	< 6	0	-40 to +80 (short term +100)
FKM	< 8	0	-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 inserts 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

