



WASY

Rotary shaft seal equivalent to WA type in the Y design, pressurisable. It has a shorter, stronger, spring energised sealing lip. In addition, this model is available with a protective lip (WASY) on the air side.

DESCRIPTION

Product group: Rotary shaft seal

Design: A = outer surface rubber-coated

Model: SY = sealing lip and protective lip pressurisable

Seal material: NBR 80

Colour: blue

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

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

MEDIA

Good chemical resistance to many mineral oils and greases.

AREAS OF APPLICATION

Sealing of rotating machine elements such as shafts, hubs and axles when pressurised. The main area of application is in pressurised systems such as pumps and hydro-motors.

FUNCTION

The WASY is a single-action rotary shaft seal for rotating or pivoting shafts with optional protective lip sealing action (WASY) on the side facing away from the medium, against dirt accumulation from the outside. The shorter, thicker, spring-energised sealing lip enables pressure application of up to 10 bar (depending on the rotational speed).

The elastomer outer sheath provides good static sealing, good thermal expansion balance, e.g., in light-metal housing, better sealing with greater roughness and secure sealing for split housings as well as good static sealing with thin fluid or gaseous media.

OPERATIONAL APPLICATION LIMITS

Material	Peripheral speeds [m/s]	Pressure* [bar]	Temperature [°C]
NBR	< 8	10	-40 to +80 (short term +100)
FKM	< 8	10	-25 to +150

* depending on the speed

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. springs or metal inserts made of other steel grades can be produced as well as some special designs. Minimum quantities may be obligatory for dimensions outside of the standard.

