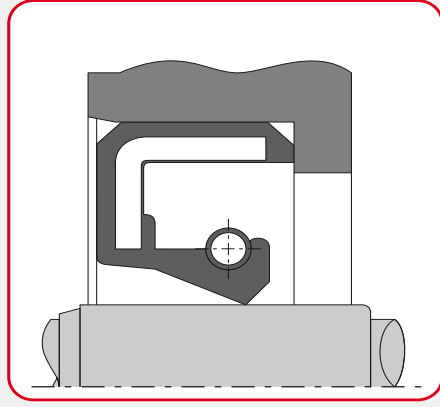




BTSSEALS[®]

We Seal Your Success



OIL SEALS

Types



A	Standard model with elastomer outer diameter, sealing lip with garter spring
AS	Elastomer outer diameter, sealing lip with garter spring and additional dust lip
AS-P	Elastomer outer diameter, short sealing lip with garter spring and additional dust lip, for high pressure up to 10 bar
A-DUO	Double sealing lip with two garter springs, elastomer outer diameter, often used to separate two different media
AS-DPH	Special seal for higher excentricity of the shaft, sealing lip with garter spring, application mainly for powered front axles and gear boxes
B	Metal housing for firm positioning, sealing lip with garter spring; good heat derivation
BS	Metal housing for firm positioning, sealing lip with garter spring and additional dust lip; good heat derivation
C	Housing with reinforced cover, sealing lip with garter spring
CS	Housing with reinforced cover, sealing lip with garter spring and additional dust lip
A-NL	Special seal with even elastomer outer diameter for direct assembly into needle bearings, Ø 4 - 80 mm, standard compounds NBR and FKM
AR-NL	Special seal with waved elastomer outer diameter for direct assembly into needle bearings, Ø 4 - 80 mm, standard compounds NBR and FKM
B-NL	Special seal with metal outer diameter for direct assembly into needle bearings, Ø 4 - 80 mm, standard compound NBR and FKM
CC	Endcover for cost-efficient closing of housing bore in gear boxes

Radial shaft seals acc. to DIN 3760/3761

Radial shaft seals acc. to DIN 3760/3761 consist of a spring-preloaded sealing lip, which is vulcanized together with a metal stiffening ring. Radial shaft seals either have a metal outer diameter or an elastomer outer diameter. Radial shaft seals are generally available in standard compounds NBR, FKM and HNBR as well as VMQ (serial production only). Models stated below are also available with bi-directional spin (alternating twist). If not stated otherwise, the max. pressure is 0,5 bar in dependence to the rotational speed of the shaft.

Compounds			
Medium of application	Elastomer	Temperature medium	Temperature at sealing lip
Mineral/ synthetic engine grease	NBR	100°C	-40°C / +120°C
	HNBR	130°C	-40°C / +150°C
	FKM	170°C	-30°C / +200°C
Synthetic engine grease/ mineral basis, permanent	FKM	170°C / 150°C	-30°C / +200°C
Mineral gear oil	NBR	80°C	-40°C / +120°C
	HNBR	120°C	-40°C / +150°C
	FKM	150°C	-30°C / +150°C
Hypoid gear oil API-GL5/ HYP-GL5	NBR	80°C	-40°C / +120°C
	HNBR	120°C	-40°C / +150°C
	FKM	150°C	-30°C / +200°C

References





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