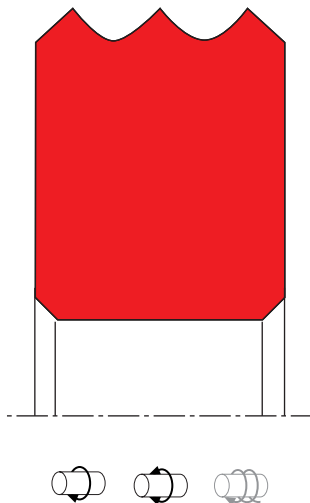


# SEAL SPEC R05-A



## operating parameter & material

material	temperature	max surface speed	max pressure <sup>1</sup>
PU	-30 °C ... +110 °C	0,2 m/s	160 bar
HPU	-20 °C ... +110 °C	0,2 m/s	160 bar
SPU	-20 °C ... +110 °C	0,3 m/s	160 bar
LTPU	-50 °C ... +110 °C	0,2 m/s	160 bar
GPU	-30 °C ... +110 °C	0,2 m/s	160 bar
NBR	-30 °C ... +100 °C	0,2 m/s	100 bar
HNBR	-25 °C ... +150 °C	0,2 m/s	100 bar
FKM	-20 °C ... +200 °C	0,2 m/s	100 bar
EPDM	-50 °C ... +150 °C	0,2 m/s	100 bar
MVQ	-60 °C ... +200 °C	0,2 m/s	100 bar

<sup>1</sup> pressure ratings are dependent on the size of the extrusion gap.

<sup>2</sup> POM up to ø260 mm, PA above ø260 mm

the stated operation conditions represent general indications. it is recommended not to use all maximum values simultaneously. surface speed limits apply only to the presence of adequate lubrication film.

## tolerance recommendation

seal housing tolerance	
Ød	h7
ØD	H8

## description

space saving rotary seal for pivoting motion in hydraulic systems. interference fit on inside diameter maintains stable fit in the housing, dynamic sealing lips on outside diameter.

## category of profile

machined product only

## double acting rotary shaft seal

the R05-A seal is designed for use as a rotary shaft seal

## surface quality

surface roughness	Rtmax (µm)	Ra (µm)
sliding surface	≤3	≤0,3
bottom of groove	≤10	≤1,8
groove face	≤16	≤3

## seal & housing recommendations

please note that we are able to produce those profiles to your specific need or any non standard housing. for detail measurements, please see seal-mart catalog...

