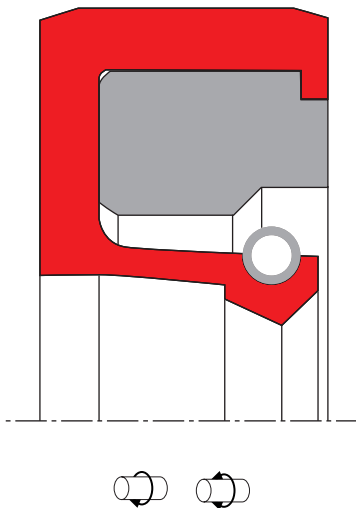


SEAL SPEC R01-R



description

spring loaded lip seal with retainer ring for press-fit installation into axially open housings. wide range of applications in every sector of industry, mainly as protecting element for bearings.

category of profile

machined product only

single acting rotary shaft seal

the R01-R seal is designed for use as a rotary shaft seal

operating parameter & material

sealing element	material energizer	back-up ring	temperature	max surface speed	max pressure ¹
NBR	-	POM / PA ²	-30 °C ... +80 °C	10 m/s	0,5 bar
HNBR	-	POM / PA ²	-25 °C ... +80 °C	10 m/s	0,5 bar
FKM	-	metal	-20 °C ... +200 °C	15 m/s	0,5 bar
EPDM	-	POM / PA ²	-50 °C ... +80 °C	10 m/s	0,5 bar
EPDM	-	metal	-55 °C ... +150 °C	10 m/s	0,5 bar
MVQ	-	POM / PA ²	-50 °C ... +80 °C	5 m/s	0,2 bar
MVQ	-	metal	-60 °C ... +200 °C	5 m/s	0,2 bar

¹ pressure ratings are dependent on the size of the extrusion gap.

² 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.

surface quality

surface roughness	Rtmax (µm)	Ra (µm)
shaft	≤6,3	≤0,2-0,8
bottom of groove	≤25	≤1,6-6,3

tolerance recommendation

seal housing tolerance	
Ød	f8
ØD	H8
ØD1	H11

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...

