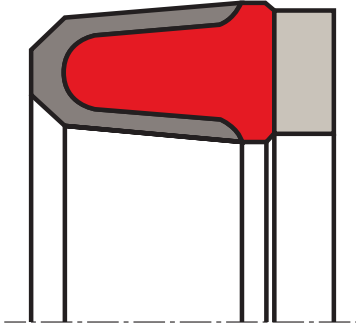


static seal R30-A

seal spec



description

valve stem seal with PTFE jacket for low friction, rubber energizer automatically increases preload as it senses leakage. mainly used as valve seal in oil industry/offshore applications.

application



not bolded symbols; please consult our technical for application limitations

category of profile

machined only.

operating parameters & materials

diameter range: up to 600 mm

material			temperature	max. surface speed	max. pressure ¹
sealing element	glide element	back-up ring			
s-mart FKM	s-mart PTFE virgin	s-mart POM / s-mart PA ²	-20 °C ... +100 °C	0,5 m/s	500 bar (50 MPa)
s-mart HNBR	s-mart PTFE virgin	s-mart POM / s-mart PA ²	-25 °C ... +100 °C	0,5 m/s	500 bar (50 MPa)
s-mart FKM	s-mart PTFE virgin	s-mart PAEK	-20 °C ... +200 °C	0,5 m/s	1000 bar (100 MPa)
s-mart HNBR	s-mart PTFE virgin	s-mart PAEK	-25 °C ... +200 °C	0,7 m/s	1000 bar (100 MPa)

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.

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

² POM up to ø260 mm, PA above ø260 mm.

surface quality

	Rtmax (µm)	Ra (µm)
surface roughness	≤6,3	≤1,8

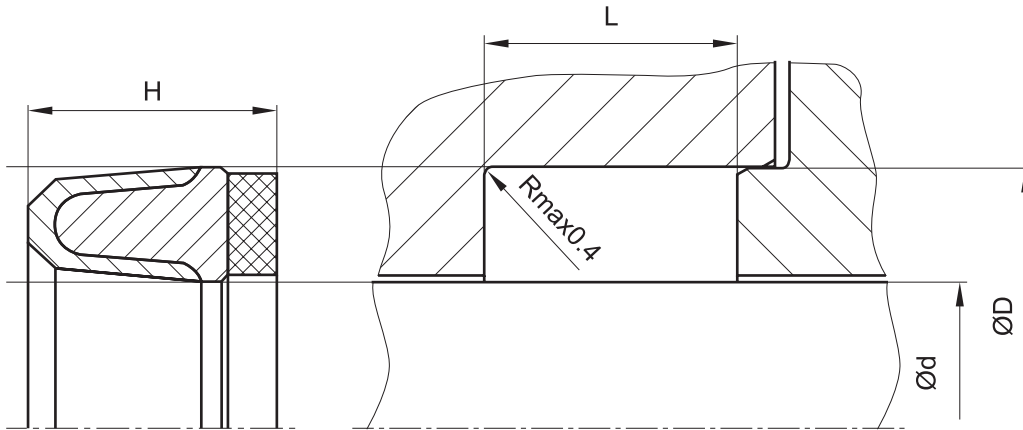
tolerance recommendation

seal housing tolerances	
Ød	h10
ØD	H10



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...



don't hesitate to contact our technical department for further information or for special requirements (temperature, speed etc.), so that suitable materials and/or designs can be recommended.