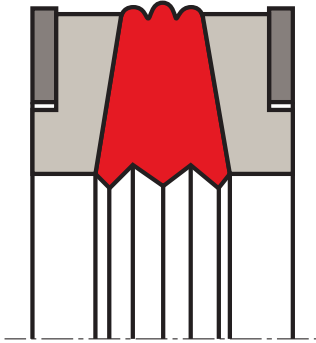


piston seal K23-SF

seal spec



description

injection moulding proses and also can be machined.

application



not bolded symbols; please consult our technical for application limitations

category of profile

machined or molded/standard/trade product.

double acting

the K23-SF seal is designed for use as a piston seal.

area of application: hydraulics

operating parameters & material

material		temperature	max. surface speed	max. pressure ¹
sealing element	back-up ring			
NBR (fabric)	s-mart UHMWPE & s-mart POM	-30 °C ... +100 °C	0,5 m/s	500 bar (50 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.

surface quality

surface Roughness	Rtmax [µm]	Ra [µm]
running surface	≤ 2.5	0.05-0.30
bottom of groove	≤ 6.3	≤ 1.6
side of groove	≤ 15	≤ 3.0

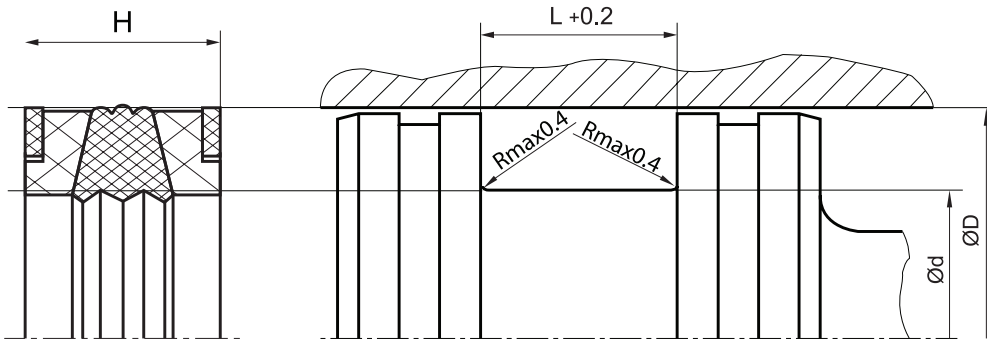
tolerance recommendation

seal housing tolerances	
Ød	h11
ØD	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...



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.