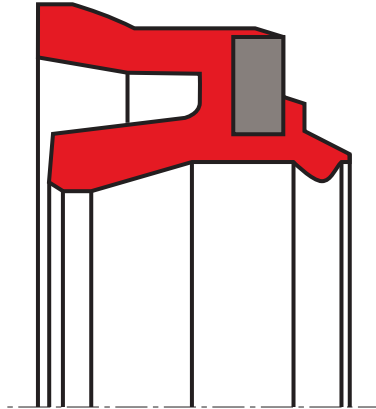


wiper A11-SJ

seal spec



description

combination wiper seal with metal reinforcement and special pneumatic sealing edge.

application



not bolded symbols; please consult our technical for application limitations

category of profile

molded/standard/trade product or machined with minor design change.

double acting

area of application: pneumatic

- rod seal for pneumatic cylinders.
- medium: lubricated air as well as dry air and oil-free air (after initial lubrication on assembly).

advantages

- combination seal with minimal space requirements, which seals inwards and wipes outwards.
- the component can be replaced from the outside (without dismantling the equipment).
- broad supply range.

operating parameters & material

material	temperature	max. surface speed	max. pressure ¹
s-mart NBR (72 shore A)	-20 °C ... +100 °C	1 m/s	12 bar (1,2 Mpa)
s-mart FKM (81 shore A)	-10 °C ... +200 °C	1 m/s	10 bar (1 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)
sliding surface	according to seal data	
bottom of groove	≤4	<0,5
groove face	≤10	≤0,5



tolerance recommendation

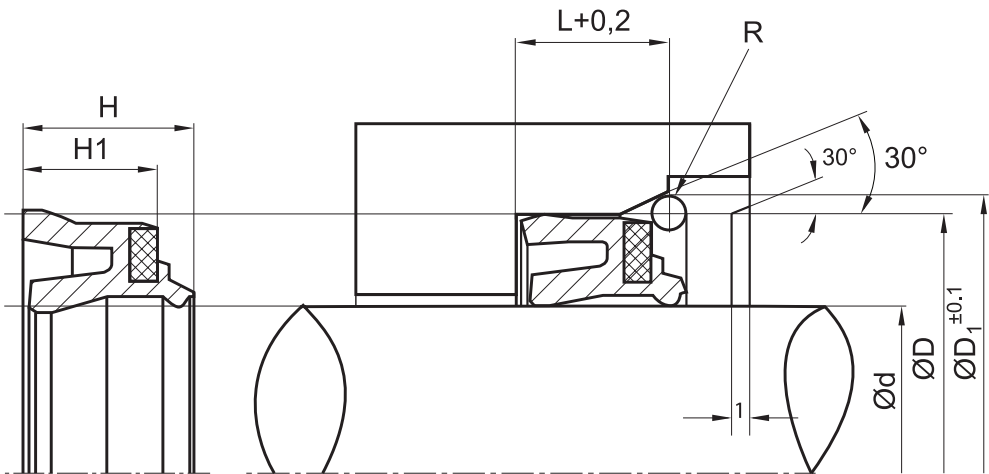
seal housing tolerances		ØD	R [mm]
d	f9	D ≤ 20	1,1
D	H10	20 < D ≤ 75	1,4

fitting & installation

Careful fitting is a prerequisite for the correct function of the seal. The A11-SJ is pressed into the housing from outside. The back is supported by a circlip (DIN 7993). To remove the seal, it is advisable to provide an axial cut-out in the ring groove that allows the circlip to be easily removed.

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.