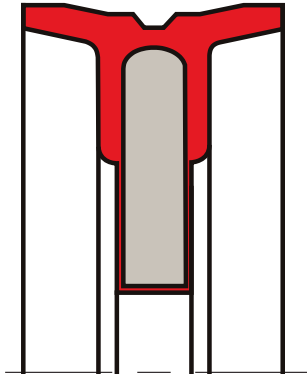


piston seal K68-B

seal spec



description

the piston K68 with steel base plate and vulcanised sealing lips with special pneumatic sealing edges. metal disc support. it performs two functions: sealing and guiding..

application



not bolded symbols; please consult our technical for application limitations

category of profile

molded/standard/trade product only.

double acting

the K68 seal is designed for use as a piston seal.

area of application: pneumatic

medium: lubricated air as well as dry air and oil-free air (after initial lubrication on assembly).

advantages

- ready to fit complete piston to which pressure can be applied on both sides with integrated guide.
- easily fastened to the piston rod with-out additional sealing components long service life.
- constant good sealing behaviour over a wide pressure range (to 1,2 MPa).
- simple provisioning.

operating parameters & material

material		temperature	max. surface speed	max. pressure ¹
sealing element	base plate			
s-mart NBR (72 Shore A)	metal (mild steel)	-20 °C ... +100 °C	1,0 m/s	12 bar (1,2 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)
cylinder bore	≤ 4.0	≤ 0.5

tolerance recommendation

seal housing tolerances	
Ød	f8
ØD	H11

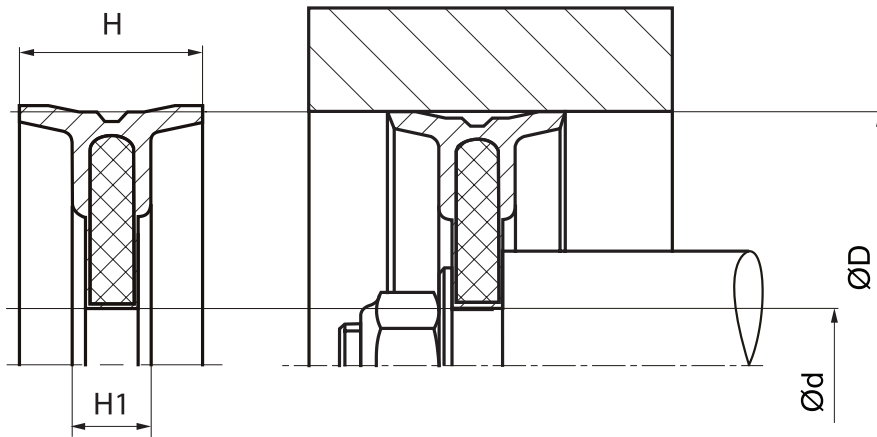


fitting & installation

careful fitting is a prerequisite for the correct function of the seal.

seal & housing recommendations

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.