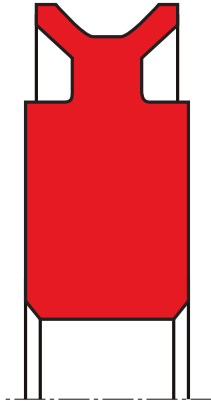


piston seal K88

seal spec



description
valve and piston seal.

application



category of profile

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

double acting

the K88 seal is designed for use as a piston seal.

area of application: pneumatics

- medium: lubricated air as well as dry air and oil-free air (after initial lubrication on assembly).
- mainly for the sealing of spool valves. also to be used for mini-clamping and short stroke cylinders.

operating parameters & material

material	temperature	max. surface speed	max. pressure ¹
s-mart NBR (71 Shore A)	-35°C ... + 80°C	1 m/s	10 bar (1,0 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 attention: not suitable for mineral oils!

surface quality

surface roughness	Rtmax (µm)	Ra (µm)
sliding surface	≤2,5	≤ 0,28-0,6
bottom of groove	≤6,3	≤1,59
groove face	≤15	≤4

tolerance recommendation

seal housing tolerances	
Ød	h9
ØD	H11

fitting & installation

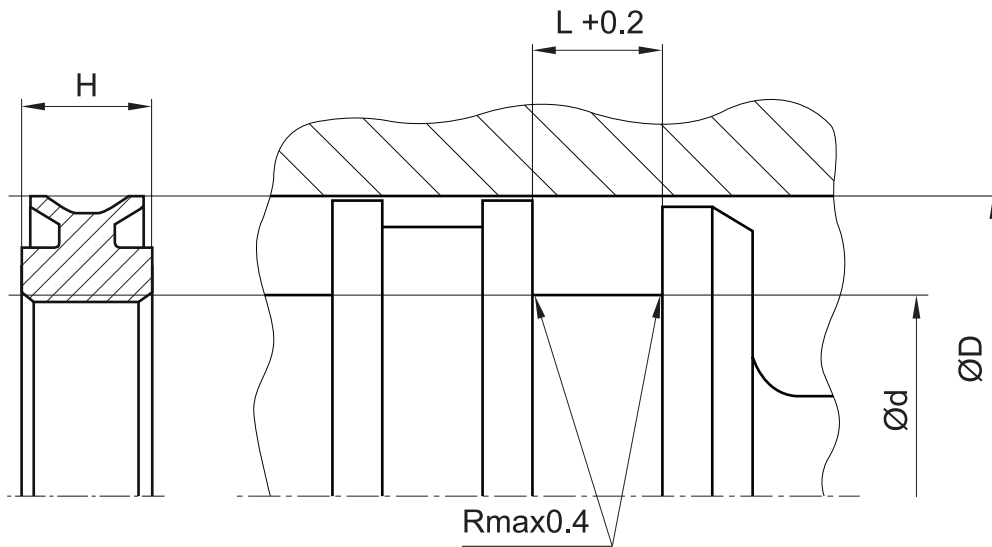
the seals are easily snapped into grooves of simple design. care should be taken that they are not pulled over sharp edges during installation.

under dry run conditions (non-lub systems), it is essential to apply an equally distributed lubrication film in the valve bore resp. in the cylinder tube prior to assembly in order to obtain an optimum service life.



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.