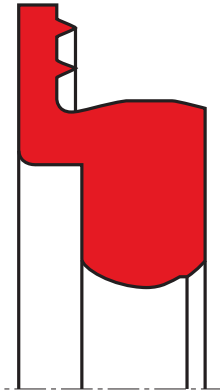


rod seal S78

seal spec



description

valve seal for spool valves according to ISO 5599.

application



category of profile

molded/standard/trade product only.

single acting

the S78 seal is designed for use as a rod seal.

area of application: pneumatic

- medium: lubricated air as well as dry air and oil-free air (after initial lubrication on assembly).
- suitable for the sealing of pneumatic spool valves.

operating parameters & material

material	temperature	max. surface speed	max. pressure
s-mart NBR (78 Shore A)	-30°C ... + 80°C	≤ 1.0 m/s	1.6 MPa (16 bar)

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.

surface quality

surface roughness	Rtmax [μm]	Ra [μm]
sliding surface	≤ 2.5	0.05-0.60
bottom of groove	≤ 6.3	≤ 1.6
groove face	≤ 15	≤ 4.0

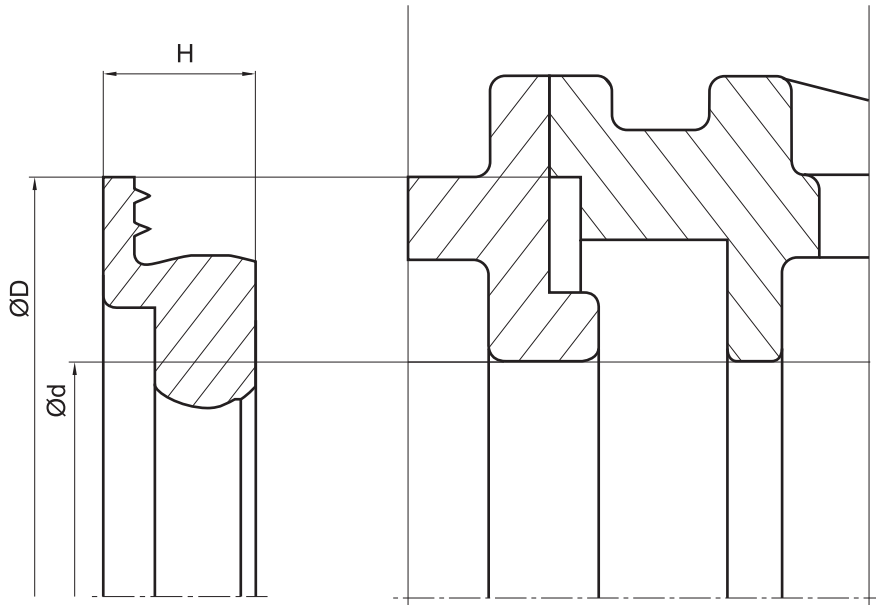
tolerance recommendation

seal housing tolerances	
Ød	h11
ØD	H9



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.