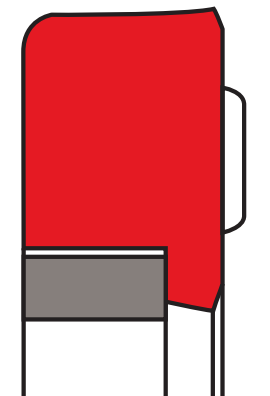


rod seal S67

seal spec



description

the profile S67 glide seal for piston rods consists of an elastomer part and a special sliding ring. it has exceptionally good sliding properties and high tightness.

application



category of profile

machined or molded/standard/trade product.

single acting

the S67 seal is designed for use as a rod seal.

area of application: hydraulics

advantages

- low friction.
- simple, small sized housings.
- easy installation.
- seals effective from the first stroke even when used together with standard scrapers.

operating parameters & material

material		temperature	max. surface speed	max. pressure ¹
sealing element	back up ring			
s-mart NBR (88 Shore A)	s-mart PTFE virgin	-30°C ... + 100°C	≤ 1 m/s	315 bar (31,5 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	≤ 0.6
bottom of groove	≤ 6.3	≤ 1.6
side of groove	≤ 15	≤ 4.0

tolerance recommendation

seal housing tolerances	
Ød	f7
ØD	H9

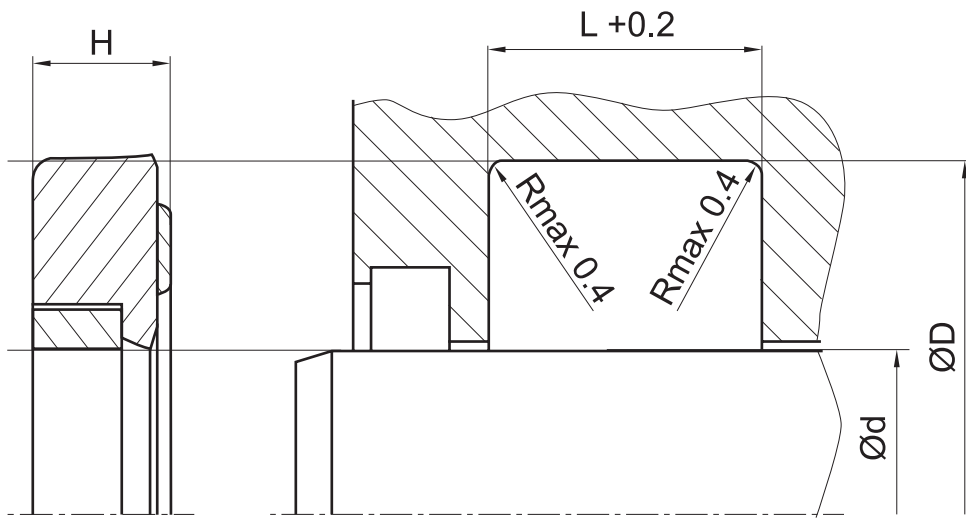
fitting & installation

the profile S67 glide seals are normally fitted into recessed grooves. for rod diameters < 18 mm, an open groove is required. to further simplify the installation, the glide rings are supplied unsplit (endless), however, for special dimensions or small quantities we reserve the right to supply glide rings in a split version. the working life of the seal is mainly influenced by the max. gap at the pressure-opposite of the sealing element.



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.