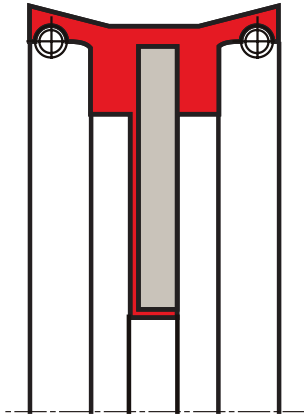


piston seal K67

seal spec



description

the piston seal K67 with steel base plate and vulcanised, spring loaded sealing lips.

application



not bolded symbols; please consult our technical for application limitations

category of profile

molded/standard/trade product only.

double acting

the K67 seal is designed for use as a piston seal.

area of application: hydraulics

standard cylinders, cranes.

advantages

K67 for secondary hydraulic applications, preferably for spare parts requirement. can only absorb low lateral forces.

operating parameters & material

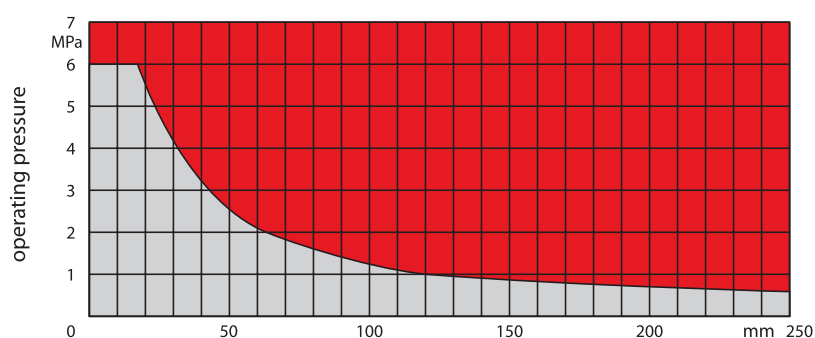
| material | | | temperature | max. surface speed | max. pressure ¹ |
|-------------------------|-----------------------------|------------|--------------------|--------------------|----------------------------|
| sealing element | spring | base plate | | | |
| s-mart NBR (90 Shore A) | spring steel wire DIN 17223 | mild steel | -30 °C ... +100 °C | 0,5 m/s | see diagram |

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.

permissible operating pressure



**surface quality**

| surface roughness | Rtmax (µm) | Ra (µm) |
|-------------------|------------|------------|
| cylinder bore | ≤ 2.5 | 0.05 - 3.0 |

tolerance recommendation

the admissible gap width, tolerances, guide play and deflection of the guide under load are to be taken into account when designing Ø piston.

seal housing tolerances
nominal ØD ≤ 320

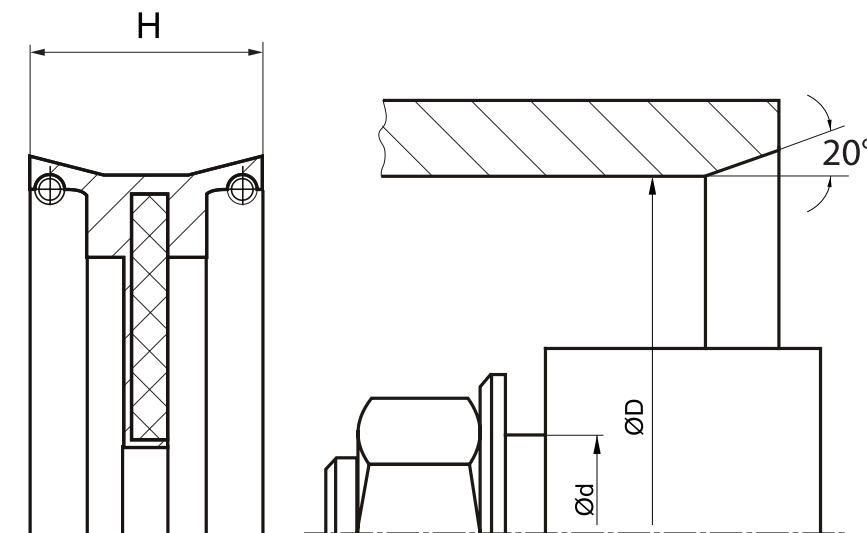
| | |
|----|-----|
| Ød | h11 |
| ØD | H11 |

fitting & installation

the complete piston K67 is pushed onto the pin with the rubber layer on the clamping flange towards the rod and fixed with the fastening. the nut has to be secured.

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.