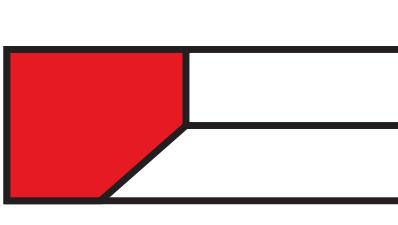


static seal ST62

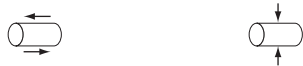
seal spec

description

this elastomeric seal is used as an axial static seal for threaded ports and stud ends in hydraulic fluid power applications in accordance with DIN 3869, ISO 11926, ISO 9974 and ISO 1179. the cross-section remains practically constant even under high pressure.



application



category of profile

machined or molded/standard/trade product.

advantages

- minimal mechanical deformation of the cross-section
- outstanding sealing behaviour over long periods
- no twisting in the groove
- no relative movements during pressure cycles
- dimensionally stable under pressure
- high leak tightness compared to metal / metal sealing

application

significant testing over more than 15 years has confirmed the performance requirements of these seals with ports and stud ends (metric, UNF, Withworth) in hydraulic components such as:

- injection molding machines
- machine tools
- presses
- excavators
- agricultural machines
- valves for hydraulic circuits

operating parameters & materials

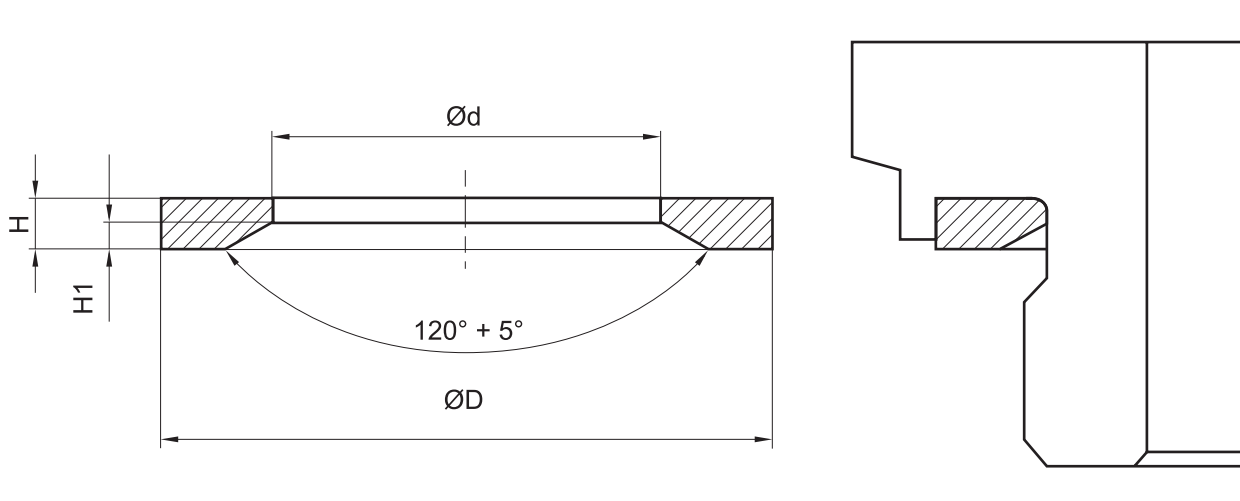
material	temperature	max. pressure
s-mart NBR (85 Shore A)	-25 °C ... +100 °C	630 bar (63 MPa)
s-mart FKM (80 Shore A)	-18 °C ... +200 °C	630 bar (63 MPa)

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.



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.