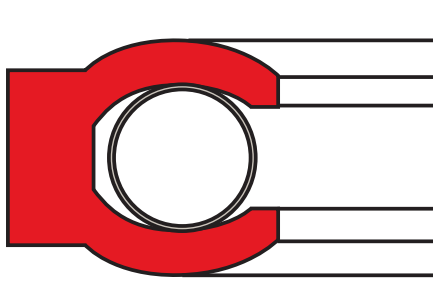


static seal ST63

seal spec



description

ST63 & ST64 are the standard seal for axial (face) applications. the seals have the same high sealing load as ST63 & ST64 and are available for both internal and external pressure. the use of the heavy helical spring makes ST63 & ST64 the best choice for vacuum, gas, and low temperature flange and cover applications.

application



category of profile

machined or molded/standard/trade product.

advantages

- high sealing pressure
- excellent sealability in gas and fluid applications
- can handle rapid changes in temperature
- good sealability on non-ideal surfaces
- easy installation
- unlimited shelf life

application

- compressor housings
- construction equipment and plant
- chemical processing
- crude oil and natural gas installations
- cryogenic engineering
- nuclear power
- aerospace
- vacuum applications
- pivot joints

medium

practically all fluids, chemicals and gases

operating parameters & materials

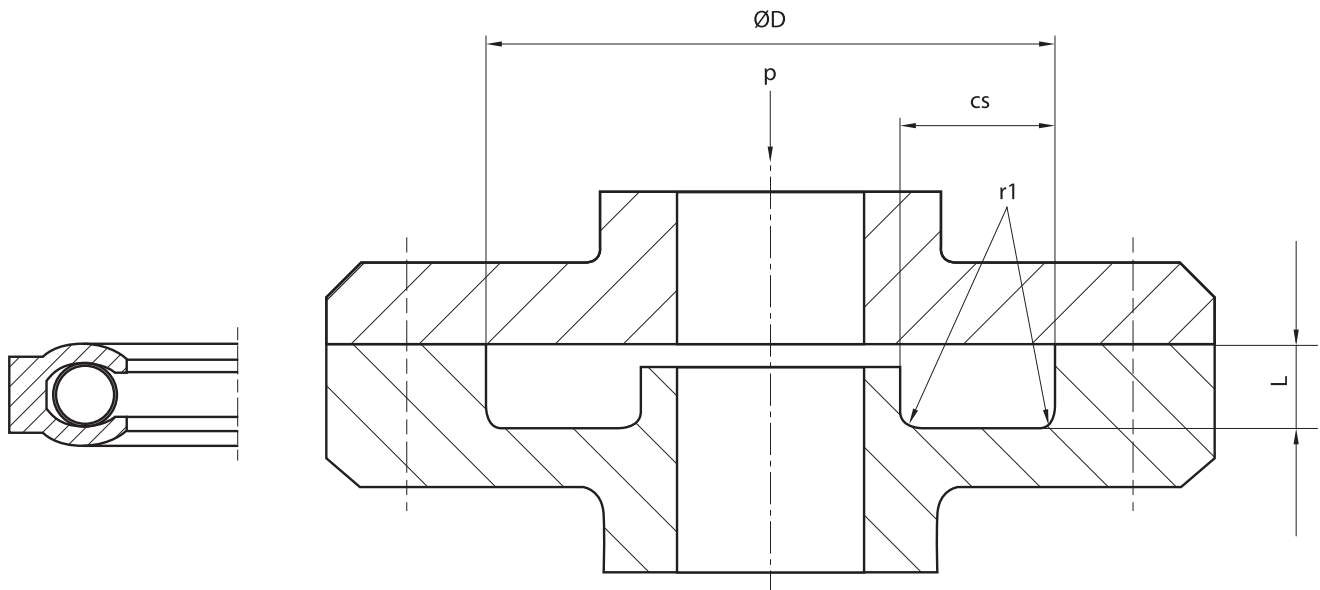
material		temperature	max. pressure for dynamic load	max. pressure for static load
sealing	spring			
helicoil (stainless steel)		-200 °C ... +260 °C	400 bar (40 MPa)	800 bar (80 MPa)

*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.