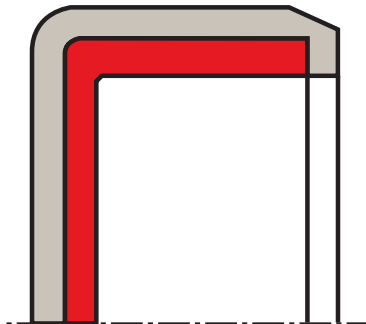


sealing cover R118

seal spec



description

R118 (normal design, rubber outside): sealing cover with vulcanised metal inserts made of sheet steel. sealing covers are components to be fitted in the housing bores where no input/output shaft is located. moreover they are used to plug and seal service bores.

standard end covers are manufactured in accordance with bore tolerances recommended by DIN 3760 and ISO 6194/1 for radial oil seals.

two different types of end covers are available as described in the following chapters. the type R118 is fully rubber covered and the type F119 has a "half-half" design.

category of profile

molded/standard/trade product only.

area of application

- transmission systems (e.g. gearboxes)
- machine tool

advantages

- good static sealing
- compensation of different thermal expansion
- no risk of fretting corrosion
- effective protection against air side contaminants
- higher bore surface roughness is allowed
- mounting in split-housings

operating parameters & material

material		temperature	max. surface speed	max. pressure
sealing element*	metal insert**			
s-mart NBR (70 shore A)	unalloyed steel DIN EN 10139 (DIN 1624)	-40 °C ... +100 °C	-	0,5 bar (0,05 MPa)
s-mart NBR (75 shore A)				
s-mart FKM (75 shore A)		-30 °C ... +200 °C		

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.

* special grades and other materials (ACM, EACM, EPDM, HNBR, VMQ) on request

** metal insert, and spring as well, can be supplied in different materials on request.

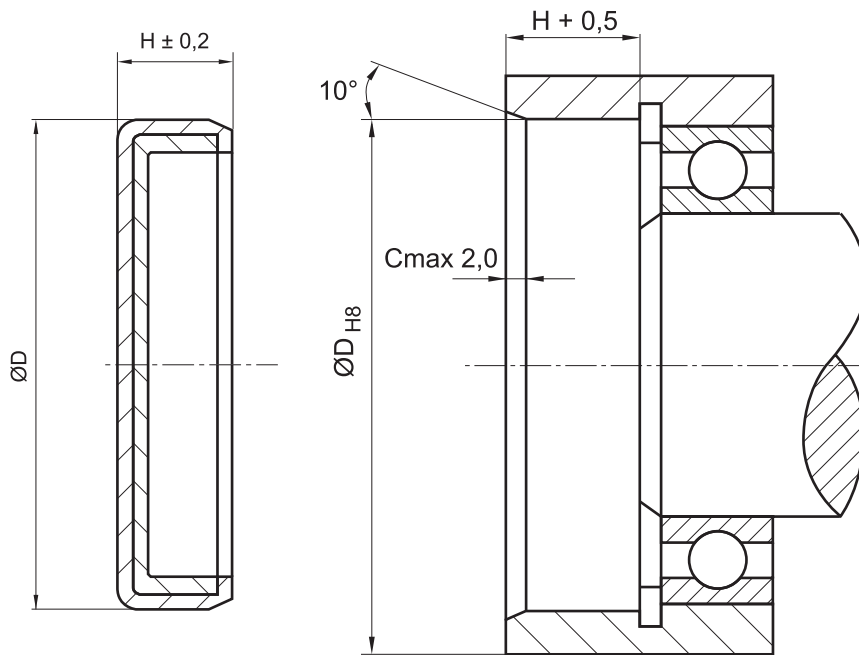
tolerance recommendation

seal housing tolerances	
ØD	H8



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.