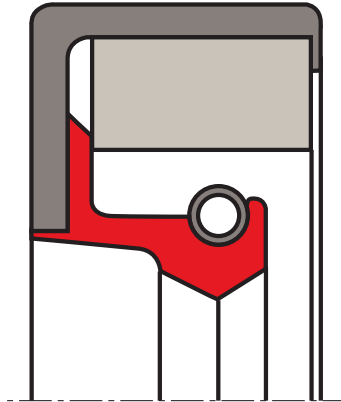


oil seal R66-A

seal spec



description

special oil seals. strong construction shaft oil seal presenting a stiffening ring in Fe37 with ground external diameter according to DIN 3760. this seal is usable on large diameter rolls. metal with metal inner case.

application



category of profile

molded/standard/trade product only.

single acting rotary shaft seal

operating parameters & material

material				temperature	max. surface speed	max. pressure
sealing element	steel outer ring	steel filler ring	spring			
s-mart NBR	metal casing ground to DIN 3760	steel filler ring in Fe37 steel providing the rigidity required ensuring an accurate assembly of the seal in the groove.	stainless steel spring carrier to BS1 301 S 01	-20°C ... + 120°C	25 m/s	1 Bar (0,1 MPa)
s-mart FKM				-20°C ... + 220°C	25 m/s	
s-mart MVQ				-60°C ... + 180°C	25 m/s	

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.

surface quality

surface roughness	Rtmax [µm]	Rz [µm]	Ra (µm)
shaft	≤6,3	≤1,0-5,0	≤0,2-0,8
bottom of groove	≤25	≤10-25	≤1,6-6,3

hardness 45 ... 60 HRC

tolerance recommendation

seal housing tolerances	
Ød	f8/h11
ØD	H8

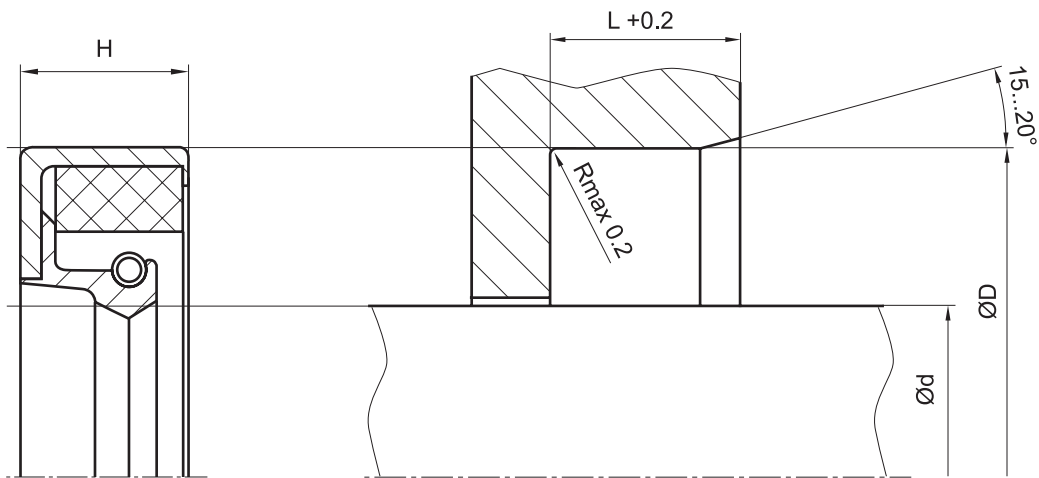
fitting & installation

suitable tool should be used for installation. it is recommended that the installation housing is designed to provide the rotary shaft seal with axial support.



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.