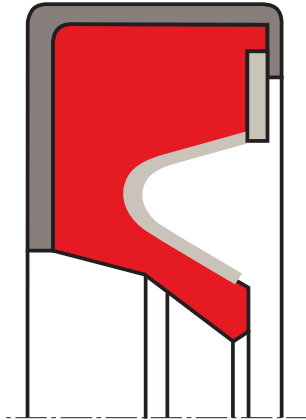


oil seal R85

seal spec



description

R85 is a special grease retainer for severe working conditions:
 moulded-in stainless steel finger spring to avoid spring dumping and corrosion
 endless and machined outer metal ring for a perfect contact with housing bore
 inner metal ring vulcanised for a perfect concentricity
 outside diameter from 140 mm to 1640 mm sealing lip with finger spring and metal
 outside radial sealing.

application



category of profile

molded/standard/trade product only.

single acting rotary shaft seal

operating parameters & material

material			temperature	max. surface speed
material	outer metal	spring		
s-mart NBR 70 shore A (±5)	steel DIN 3760 standard	stainless steel finger spring	-20°C ... + 120°C	≤ 10 m/s
s-mart FKM 70 shore A (±5)			-20°C ... + 220°C	≤ 10 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

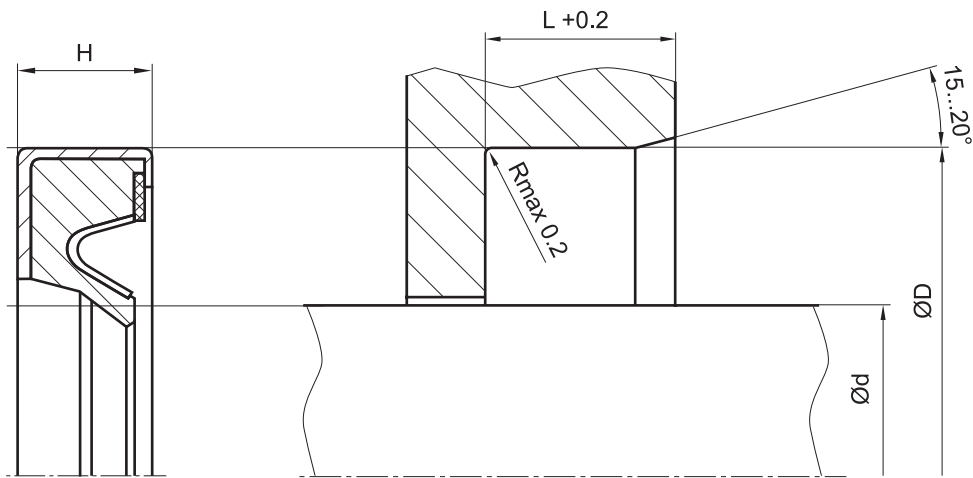
fitting & installation

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.