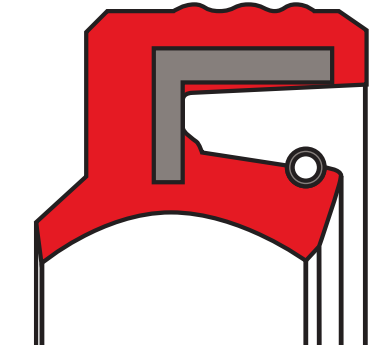


oil seal R108

seal spec



description

alternative movement an d radial sealing, rubber covered with grooved od, sealing lip with spring + dust lip.

application



category of profile

molded/standard/trade product or machined with minor design change.

single acting rotary shaft seal

area of application

sealing of rotating machine elements such as shafts, hubs and axles.

media

good chemical resistance to many mineral oil and synthetic lubricants (CLP, HLP, APGL etc.)

operating parameters & material

material			temperature	max. surface speed
sealing element*	metal insert**	spring**		
s-mart NBR 70 shore A	mild steel DIN 1624	spring steel DIN 17223	-20°C ... + 120°C	≤ 12 m/s
s-mart FKM 70 shore A	'(non-alloy steel DIN EN 10139)	'(non-alloy spring steel DIN EN 10270-1)	-18°C ... + 220°C	≤ 40 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.

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

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

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

tolerance recommendation

seal housing tolerances	
Ød	f8/h11
ØD	H8

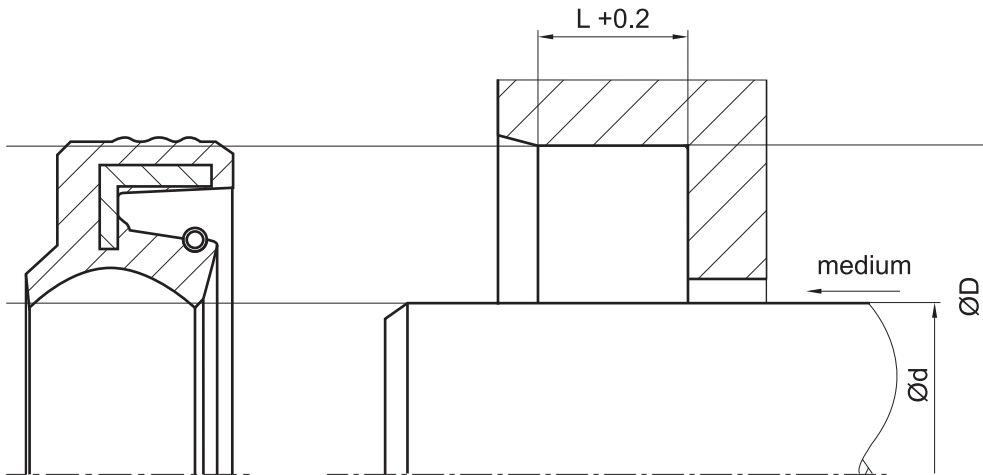


fitting & installation

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.