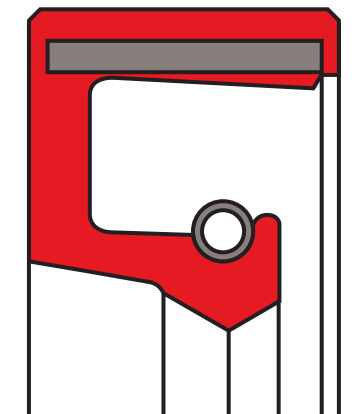


oil seal R98-A

seal spec

**description**

textile rubber oil seals are equipped with a strong flexible textile rubber back. the specially designed seal lip carries a PTFE share that will reduce the friction of the seals. the bedding of the stainless steel garter spring hinders a falling out when mounting blind. main applications textile rubber seals are in heavy industries: i.e. gear drives, propeller shafts, work rolls in hot and cold mills, pumps, paper machinery etc. contrary to R103/R104/R105, type R98-A does not use a textile rubber back, but a metallic flexible stiffening ring, which allows mounting without end cover. available only in endless form. on request with additional dust lip.

application**category of profile**

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

single acting rotary shaft seal**operating parameters & material**

sealing element*	material		temperature	pressure
	metal insert**	spring**		
s-mart NBR 70 shore A	mild steel DIN 1624 (non-alloy steel DIN EN 10139)	spring steel DIN 17223	-20°C ... + 120°C	0,2 ~ 0,4 bar
s-mart FKM 70 shore A		(non-alloy spring steel DIN EN 10270-1) (rust & acid-resistant steel DIN EN 1.4571)	-18°C ... + 220°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, MVQ) on request

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

surface quality

surface roughness	Rtmax [µm]	Ra (µm)
contact area	≤2,5	≤0,6
housing	≤15	≤4

tolerance recommendation

seal housing tolerances	
Ød	h9
ØD	H8

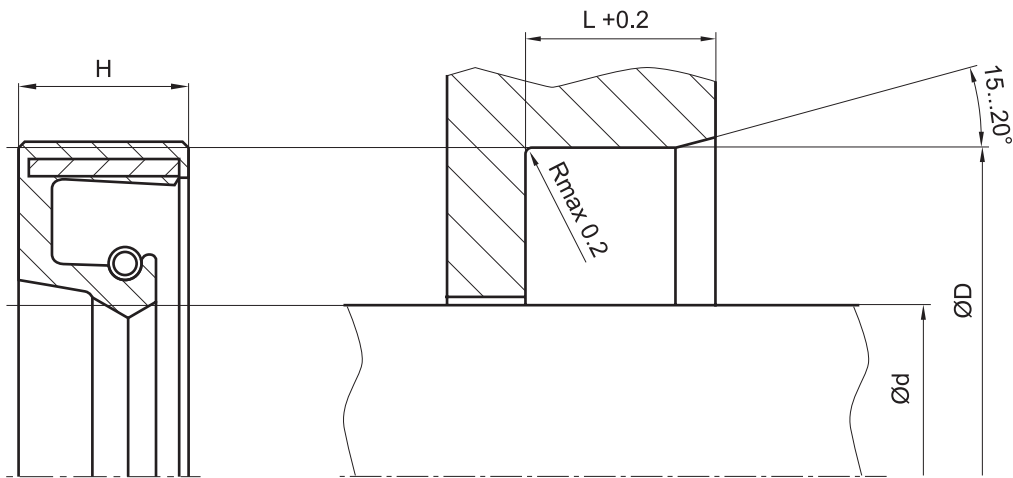
fitting & installation

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.