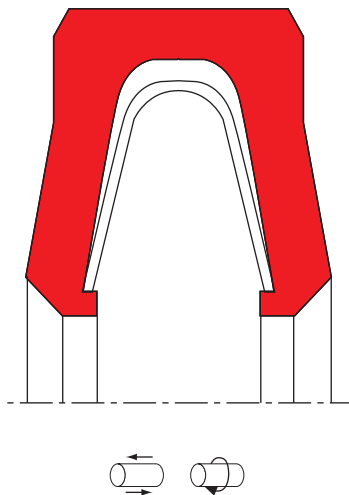


# SEAL SPEC R12-F



## description

fingerspring activated flange seal, excellent chemical and thermal resistance, mainly used on flanges, fittings or pivoting joints in chemical industry.

## category of profile

machined only product.

## surface quality

surface roughness	static		rotating	
	Rtmax (µm)	Ra (µm)	Rtmax (µm)	Ra (µm)
sea roughness	≤ 1,2 - 2,4	≤ 0,3 - 0,5	≤ 0,4 - 0,8	≤ 0,1 - 0,2
groove face	≤ 6,3 - 10	≤ 0,8 - 2,2	≤ 6,3 - 10	≤ 0,8 - 2,2

## tolerance recommendation

seal housing tolerance	
L	+L 0,022
Ød	-0,2
ØD	H10

## operating parameter & material

material		temperature	max speed	mas pressure <sup>1</sup>
sealing	spring			
PTFE glass	14.310	-200 °C ... +260 °C	15 m/s	300 bar (30 MPa)
PTFE bronze	14.310	-200 °C ... +260 °C	15 m/s	300 bar (30 MPa)
PTFE carbon	14.310	-200 °C ... +260 °C	15 m/s	300 bar (30 MPa)

<sup>1</sup> pressure ratings are dependent on the size of the extrusion gap.

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.

L [mm]	spring
3 ... 4,6	6,35 x 0,15
> 4,6 ... 6	9,8 x 0,18
> 6 ... 8	14,1 x 0,22

## 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..

