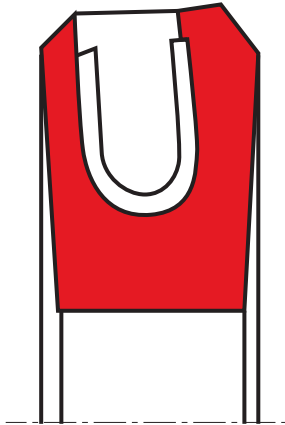


## static seal R12-SA

## seal spec



### description

R12-SA is PTFE U-ring seal which is provided with s steel V spring.

### application



### category of profile

machined or molded/standard/trade product.

### application

diverse static applications in all branches of general mechanical and apparatus engineering, hydraulics and pneumatics, chemical and processing technology, slow swivelling movements.

### function

the R12-SA is a single acting, external sealing radial U-ring for static flange sealing. the metal spring permanently activates the sealing lips which guarantees zero leakage even in an unpressurised state and compensates the varying thermal expansion behaviour of the different housing parts.

### media

all type of hydraulics oil, hot air, steam, most chemicals.

### operating parameters & materials

diameter range: up to 600 mm

material		temperature	max. pressure <sup>1</sup>
sealing element	spring		
s-mart PTFE carbon	14.310	-150 °C ... +260 °C	800 bar (80 MPa)

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.

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

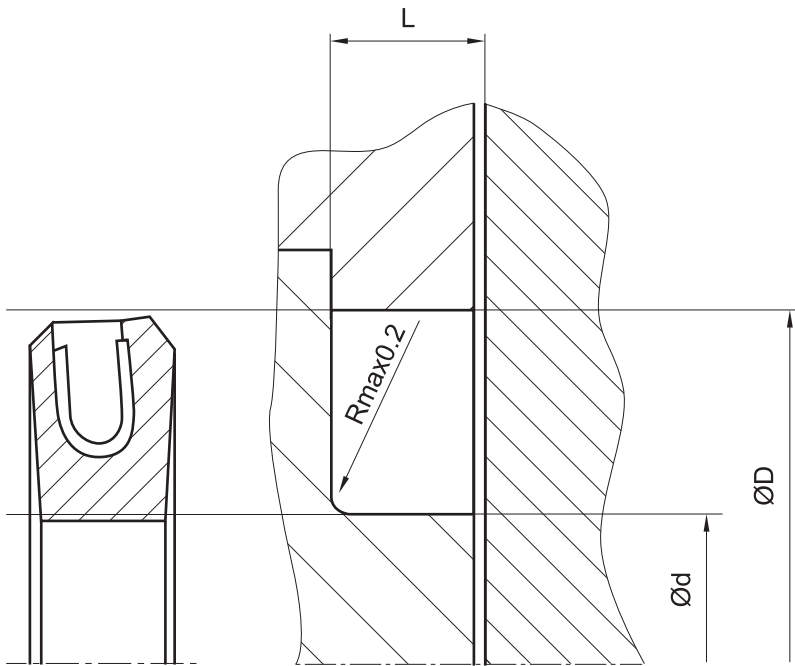
### surface quality

surface roughness	Ra (µm)
bottom of groove	≤ 3
groove face	≤ 1,8



**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.*