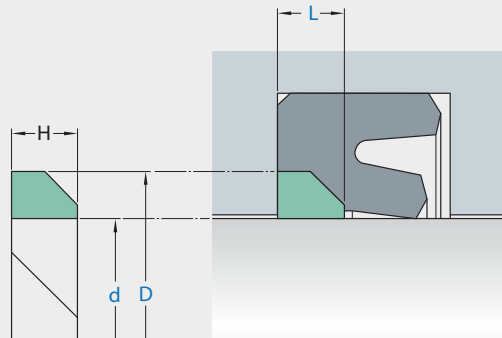


## ST11



Ordering dimensions in blue

| Sealing material<br>Surface roughness | TPU / Elastomers |            | PTFE       |            |
|---------------------------------------|------------------|------------|------------|------------|
|                                       | $R_{tmax}$       | $R_a$      | $R_{tmax}$ | $R_a$      |
|                                       | m                |            | m          |            |
| Sliding surface                       | $\leq 2,5$       | 0,05–0,3   | $\leq 2$   | 0,05–0,2   |
| Bottom of groove                      | $\leq 6,3$       | $\leq 1,6$ | $\leq 6,3$ | $\leq 1,6$ |
| Groove face                           | $\leq 15$        | $\leq 3$   | $\leq 15$  | $\leq 3$   |

Bearing area: 50–95% and a cutting depth of  $0,5 R_z$  based on  $C_{ref} = 0\%$

### Standard dimensions

Minimum nominal inside diameter  
 $d \geq 4,5 \text{ mm}$ .

Profile size, surface data and tolerances are the result of a combination of the relevant application specific sealing material. Standard version: cutting gap 0, cut 45°.

### application



## operating parameters & material

diameter range: up to 600 mm

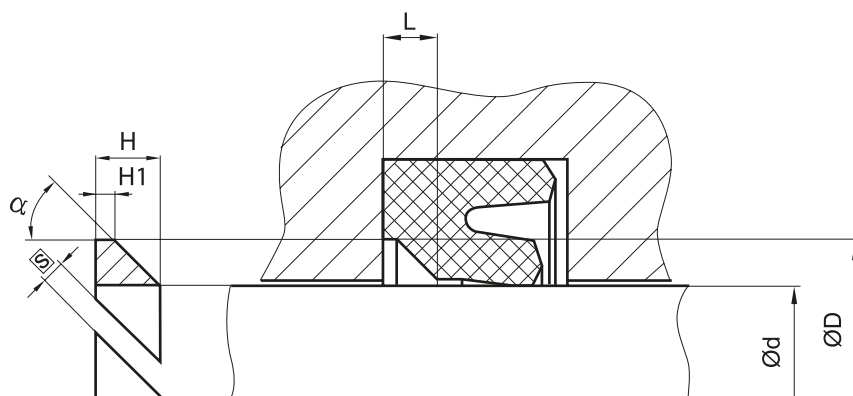
| material            | temperature         |
|---------------------|---------------------|
| Ecotal <sup>2</sup> | -50 °C ... +100 °C  |
| Ecomid <sup>2</sup> | -40 °C ... +100 °C  |
| Ecoflon 2           | -200 °C ... +260 °C |

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.

<sup>2</sup> Ecotal up to  $\varnothing 260$  mm, Ecomid above  $\varnothing 260$  mm.

## 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...



### variations:

- cutting gap width  $s=0\text{mm}$
- endless

tolerance value and surface finish according to corresponding seal data sheet

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.