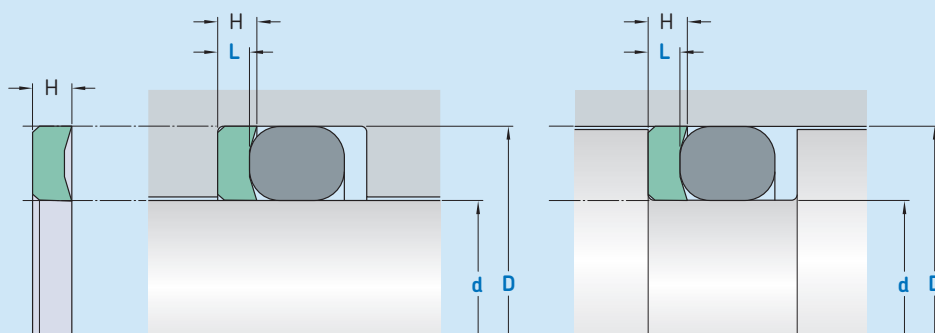


# ST09



Ordering dimensions in **blue**

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

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: uncut.

## Ordering example

Profile  
 $d \times D \times L$  [mm]  
Backup ring

Backup ring ST09  
100 x 120 x 13  
X-ECOPUR



## Operating parameters

Material Backup ring	Temperature	
	from	to
–	°C	
■ ECOPUR	–30	
■ H-ECOPUR	–20	
■ T-ECOPUR	–50	
■ G-ECOPUR	–30	+110
■ X-ECOPUR		
■ XS-ECOPUR	–20	
■ XH-ECOPUR		
■ G-ECOPUR 54D	–30	
■ SKF Ecoflon 1	–200	+260
■ SKF Ecoflon 2		

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.

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