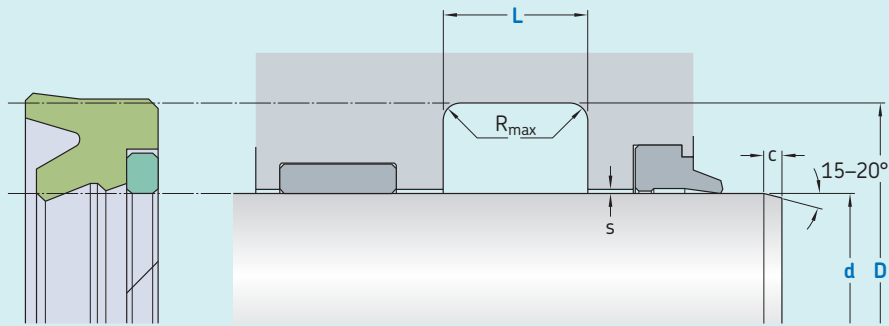


# S18-P



Ordering dimensions in **blue**

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

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

Standard dimensions						Maximal radial extrusion gap			
d	f8	D	L	$R_{max}$	c	$s^*$			
over	incl.	H10	+ 0,2			20 bar	100 bar	400 bar	600 bar
mm						mm			
<b>23</b>	<b>25</b>	d + 8	8,0	0,4	3,5	0,80	0,80	0,30	0,11
<b>25</b>	<b>50</b>	d + 10	9,0	0,4	4,0	1,00	1,00	0,37	0,14
<b>50</b>	<b>150</b>	d + 15	14,0	0,4	5,0	1,50	1,47	0,46	0,17
<b>150</b>	<b>300</b>	d + 20	17,0	0,4	6,0	2,00	1,77	0,54	0,18
<b>300</b>	<b>500</b>	d + 25	20,0	0,4	8,5	2,50	2,06	0,62	0,20
<b>500</b>	<b>600</b>	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,25

\* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

## Ordering example

Profile  
 d x D x L [mm]  
 Sealing material / Back-up ring

**Rod Seal S18-P**  
**100 x 115 x 13**  
**ECOPUR / SKF Ecotal**

**Operating parameters**

Material Seal	Back-up ring <sup>3)</sup>	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
■ ECOPUR	■ SKF Ecotal	-30	+100	0,5	600 (60)
■ ECOPUR	■ SKF Ecomid	-30	+110	0,5	600 (60)
■ ECOPUR LD	■ SKF Ecomid	-35	+110	0,5	600 (60)
■ G-ECOPUR	■ SKF Ecomid	-30	+110	0,5	600 (60)
■ H-ECOPUR	■ SKF Ecotal	-20	+100	0,5	600 (60)
■ H-ECOPUR	■ SKF Ecomid	-20	+110	0,5	600 (60)
■ S-ECOPUR	■ SKF Ecotal	-20	+100	0,5	600 (60)
■ S-ECOPUR	■ SKF Ecomid	-20	+110	0,5	600 (60)
■ T-ECOPUR	■ SKF Ecotal	-50	+100	0,5	600 (60)
■ T-ECOPUR	■ SKF Ecomid	-40	+110	0,5	600 (60)

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

<sup>1)</sup> Surface speed limit values are valid only in the presence of a lubrication film.

<sup>2)</sup> Pressure ratings depend on the size of the extrusion gap.

<sup>3)</sup> Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

