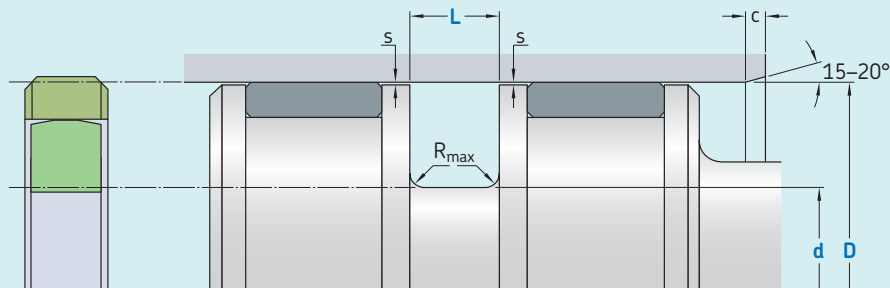


# K08-DS



Ordering dimensions in **blue**

Surface roughness	TPU/ PTFE	
	$R_{tmax}$	$R_a$
	μm	

<b>Sliding surface</b>	$\leq 2,5 / \leq 2^*$	0,05–0,2
<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  $C_{ref} = 0\%$   
 \* Lower value valid for PTFE

Standard dimensions						Maximal radial extrusion gap			
D	H9	d	L	$R_{max}$	c	$s^*$			
over	incl.	h10	+ 0,2			100 bar	200 bar	400 bar	600 bar
mm						mm			
TPU and SKF Ecowear 1000									
<b>15</b>	<b>50</b>	D – 10	5,0	0,3	4,0	0,50	0,40	0,30	0,20
<b>50</b>	<b>60</b>	D – 15	7,5	0,4	5,0	0,50	0,40	0,30	0,20
<b>60</b>	<b>200</b>	D – 20	10,0	0,4	6,0	0,70	0,50	0,40	0,20
<b>200</b>	<b>300</b>	D – 25	12,5	0,4	8,5	0,80	0,60	0,50	0,30
<b>300</b>	<b>530</b>	D – 30	15,0	0,8	10,0	0,90	0,70	0,60	0,30
<b>530</b>	<b>680</b>	D – 35	17,5	1,2	13,0	1,00	0,80	0,70	0,30
<b>680</b>	<b>1 500</b>	D – 40	20,0	1,2	15,0	1,10	0,90	0,80	0,40
PTFE									
<b>15</b>	<b>50</b>	D – 10	5,0	0,3	4,0	0,40	0,30	0,20	0,10
<b>50</b>	<b>60</b>	D – 15	7,5	0,4	5,0	0,50	0,30	0,20	0,10
<b>60</b>	<b>200</b>	D – 20	10,0	0,4	6,0	0,60	0,40	0,25	0,15
<b>200</b>	<b>300</b>	D – 25	12,5	0,4	8,5	0,60	0,40	0,25	0,15
<b>300</b>	<b>530</b>	D – 30	15,0	0,8	10,0	0,70	0,50	0,30	0,20
<b>530</b>	<b>680</b>	D – 35	17,5	1,2	13,0	0,80	0,60	0,50	0,20
<b>680</b>	<b>1 500</b>	D – 40	20,0	1,2	15,0	1,00	0,70	0,60	0,30

\* The extrusion gap referred to is valid up to 80 °C and valid for the side opposite to the pressure side; higher temperatures require lower values.

## Ordering example

Profile  
 D x d x L [mm]  
 Sealing material / Energizer

**K08-DS**  
**100 x 80 x 10**  
**X-ECOPUR / SKF Ecorubber-1 or SKF Ecoflon 3 / SKF Ecorubber-1**

## Operating parameters

Material Seal	Energizer	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
■ X-ECOPUR	■ SKF Ecorubber-1	-30	+100	5	600 (60)
■ X-ECOPUR	■ SKF Ecosil	-60	+100	5	600 (60)
■ G-ECOPUR 54D	■ SKF Ecorubber-1	-30	+100	5	600 (60)
■ G-ECOPUR 54D	■ SKF Ecosil	-60	+110	5	600 (60)
■ X-ECOPUR H	■ SKF Ecorubber-1	-30	+100	5	600 (60)
■ X-ECOPUR H	■ SKF Ecosil	-60	+100	5	600 (60)
■ X-ECOPUR S	■ SKF Ecorubber-1	-30	+100	5	600 (60)
■ X-ECOPUR S	■ SKF Ecosil	-60	+100	5	600 (60)
■ SKF Ecoflon 2	■ SKF Ecorubber-1	-30	+100	10	600 (60)
■ SKF Ecoflon 2	■ SKF Ecorubber-2	-20	+200	10	600 (60)
■ SKF Ecoflon 3	■ SKF Ecorubber-1	-30	+100	10	600 (60)
■ SKF Ecoflon 3	■ SKF Ecorubber-2	-20	+200	10	600 (60)
■ SKF Ecoflon 4	■ SKF Ecorubber-1	-30	+100	10	600 (60)
■ SKF Ecoflon 4	■ SKF Ecorubber-2	-20	+200	10	600 (60)
■ SKF Ecowear 1000	■ SKF Ecorubber-1	-30	+90	5	400 (40)
■ SKF Ecowear 1000	■ SKF Ecosil	-60	+90	5	400 (40)

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.