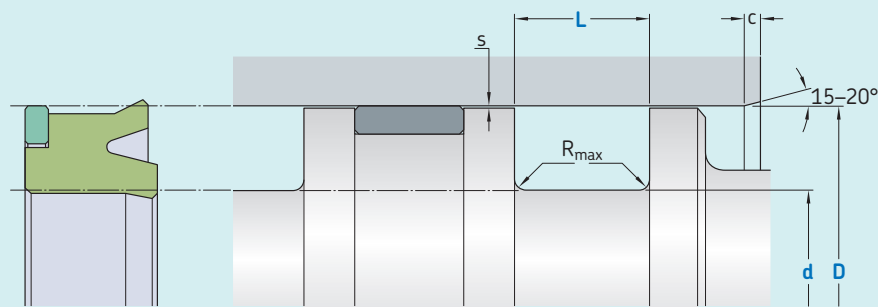


# K02-P



Ordering dimensions in **blue**

Surface roughness	$R_{tmax}$	$R_a$
	μm	
<b>Sliding surface</b>	≤ 2,5	0,05–0,2
<b>Bottom of groove</b>	≤ 6,3	≤ 1,6
<b>Groove face</b>	≤ 15	≤ 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	d	L	$R_{max}$	c	$s^*$				
H9	h10	+ 0,2				20 bar	100 bar	400 bar	700 bar
over	incl.					mm			
13	25	D – 8	6,0	0,4	3,5	0,80	0,80	0,30	0,04
25	50	D – 10	7,0	0,4	4,0	1,00	1,00	0,37	0,04
50	75	D – 12	8,0	0,4	4,5	1,25	1,24	0,42	0,05
75	150	D – 15	10,0	0,4	5,0	1,50	1,47	0,46	0,05
150	300	D – 20	12,0	0,4	6,0	2,00	1,77	0,54	0,06
300	500	D – 25	18,0	0,4	8,5	2,5	2,06	0,62	0,06
500	750	D – 30	20,0	0,4	10,0	3,00	2,43	0,76	0,06
750		D – 40	26,0	0,4	13,0	3,00	2,43	0,76	0,06

\* 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

Piston seal K02-P  
 100 x 85 x 10  
 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	700 (70)
■ ECOPUR	■ SKF Ecomid	-30	+110	0,5	700 (70)
■ ECOPUR LD	■ SKF Ecomid	-35	+110	0,5	700 (70)
■ G-ECOPUR	■ SKF Ecomid	-30	+110	0,5	700 (70)
■ H-ECOPUR	■ SKF Ecotal	-20	+100	0,5	700 (70)
■ H-ECOPUR	■ SKF Ecomid	-20	+110	0,5	700 (70)
■ S-ECOPUR	■ SKF Ecotal	-20	+100	0,5	700 (70)
■ S-ECOPUR	■ SKF Ecomid	-20	+110	0,5	700 (70)
■ T-ECOPUR	■ SKF Ecotal	-50	+100	0,5	700 (70)
■ T-ECOPUR	■ SKF Ecomid	-40	+110	0,5	700 (70)

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.

