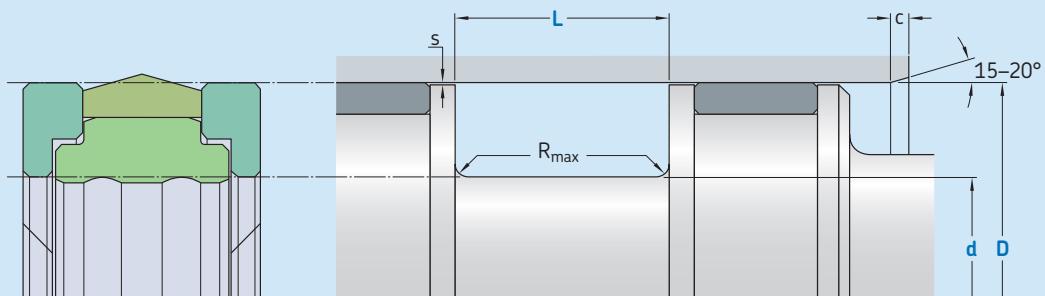


# K23-H



Ordering dimensions in blue

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

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

Standard dimensions		$d$	$L$	$R_{t\max}$	$C$	$S^*$
D	H9	over incl.	$h9$	$+ 0,2$		
mm						
20	50	D – 10	12,5	0,4	4	0,4
50	80	D – 15	20	0,4	5	0,4
80	150	D – 20	25	0,4	6	0,4
150	400	D – 25	32	0,4	8,5	0,4
400	600	D – 30	36	0,4	10	0,4

\* 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 / Energizer / Backup ring

Piston seal K23-H

100 x 80 x 25

ECOPUR / SKF Ecorubber-1 / SKF Ecotal



**Operating parameters**

<b>Material</b> Seal	<b>Energizer</b>	<b>Backup ring</b>	<b>Temperature</b> from	<b>Temperature</b> to	<b>Speed<sup>1)</sup></b> max	<b>Pressure<sup>2)</sup></b> max
-			°C		m/s	bar (MPa)
<span style="color: green;">■</span> ECOPUR			-30			
<span style="color: red;">■</span> H-ECOPUR	<span style="color: black;">■</span> SKF Ecorubber-1	<span style="color: black;">■</span> SKF Ecotal	-20	+100	0,3	
<span style="color: grey;">■</span> S-ECOPUR		<span style="color: black;">■</span> SKF Ecomid <sup>3)</sup>			0,4	1 500 (150)
<span style="color: blue;">■</span> T-ECOPUR	<span style="color: brown;">■</span> SKF Ecosil		-40		0,3	

**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> D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.

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PUB SE/P8 11858 EN · March 2012

