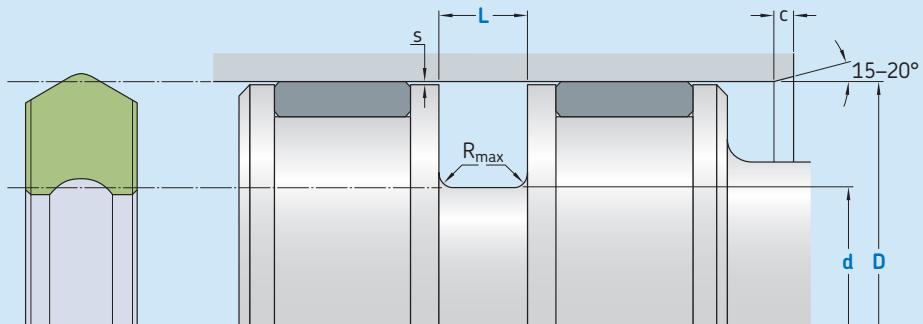


K35-P



Ordering dimensions in blue

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

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

Standard dimensions		D H9 over	d h10 incl.	L $+0,2$	$R_{t\max}$	c	maximal radial extrusion gap		
mm	mm						100 bar	200 bar	400 bar
10	20	D – 5	4	0,4	2	0,16	0,08	0,03	
20	40	D – 6	4,5	0,4	3	0,18	0,10	0,05	
40	60	D – 8	5,5	0,4	3,5	0,18	0,10	0,05	
60	100	D – 10	6,5	0,4	4	0,23	0,15	0,10	
100	150	D – 15	9,5	0,4	5	0,33	0,25	0,18	
150	300	D – 20	12,5	0,4	6	0,38	0,33	0,25	
300	500	D – 25	15	0,4	8,5	0,45	0,40	0,33	
500	700	D – 30	17,5	0,4	10	0,5	0,45	0,40	
700		D – 40	22	0,4	13	0,65	0,63	0,55	

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

Ordering example

Profile

$D \times d \times L$ [mm]

Sealing material

Piston seal K35-P

100 x 85 x 9,5

ECOPUR



Operating parameters

Material Seal	Temperature		Speed ^{1) 2)}	Pressure ³⁾
	from	to	max	max
-	°C		m/s	bar (MPa)
■ ECOPUR	-30			
■ H-ECOPUR	-20			
■ S-ECOPUR		+110		400 (40)
■ T-ECOPUR	-50		0,4	
■ G-ECOPUR	-30			

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

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

²⁾ Rotary applications max. 0,2 m/s

³⁾ Pressure ratings depend on the size of the extrusion gap.

© ECOPUR and SKF are registered trademarks of the SKF Group

© SKF Group 2012

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB SE/P8 11862 EN · March 2012

