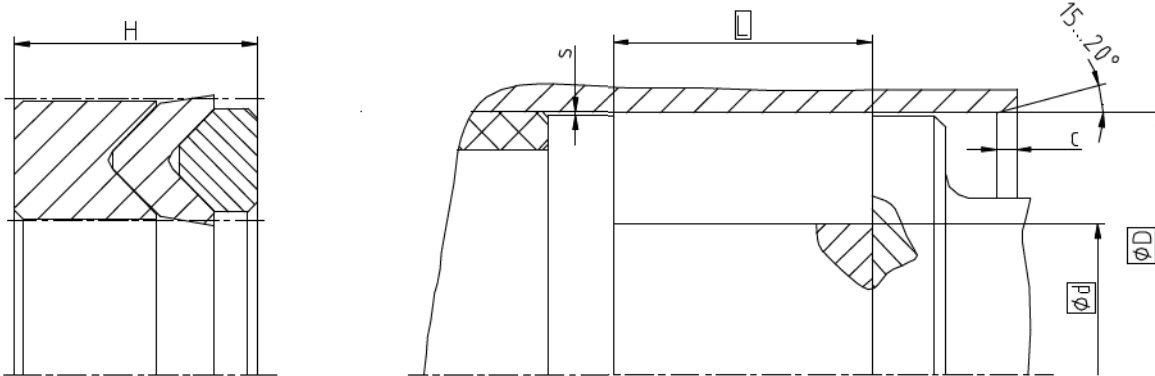


Seal housing



Surface roughness	Rtmax	Ra
Sliding Surface	≤ 2,5 µm	0,1...0,5 µm
Bottom of groove	≤ 6,3 µm	≤ 1,6 µm
Groove face	≤ 15 µm	≤ 3 µm

Ordering dimensions... □

Bearing area: 50...95% and a cutting depth of 0,5xRz based on Cref = 0%

Standard dimensions

ØD H9	Ød h10	L +0,2	Rmax	c	s*
- ... < 40	D - 10	9,5	0,4	4,0	0,25
≥ 40 ... < 75	D - 15	12,3	0,4	5,0	0,37
≥ 75 ... < 150	D - 20	21,2	0,4	6,0	0,50
≥ 150 ... < 200	D - 25	25,8	0,4	8,5	0,62
≥ 200 ... < 300	D - 30	33,5	0,4	10,0	0,75
≥ 300	D - 40	41,5	0,4	13,0	1,00

* Extrusion gap applies to a temperature of 70 °C, higher temperatures require lower values.

Operating parameters

Backup ring K10-A	Chevron K11-T	Pressure ring K12-T	Temperature	max. speed	max. pressure ¹
SKF ECOTAL SKF ECOMID ²	ECOPUR®	X-ECOPUR™	-30 °C...+100 °C	0,5 m/s	500 bar (50 MPa)
	H-ECOPUR™	XH-ECOPUR™	-20 °C...+100 °C	0,5 m/s	
	S-ECOPUR™	XS-ECOPUR™	-30 °C...+100 °C	0,7 m/s	
	G-ECOPUR™	G-ECOPUR 54D™	-30 °C...+100 °C	0,5 m/s	
SKF ECOTAL SKF ECOMID ²	ECOPUR®	SKF ECOTAL SKF ECOMID ²	-30 °C...+100 °C	0,5 m/s	500 bar (50 MPa)
	H-ECOPUR™		-20 °C...+100 °C	0,5 m/s	
	S-ECOPUR™		-30 °C...+100 °C	0,7 m/s	
	G-ECOPUR™		-30 °C...+100 °C	0,5 m/s	
SKF ECOFLON 2	SKF ECORUBBER-1	SKF ECOFLON 2	-30 °C...+100 °C	0,5 m/s	250 bar (25 MPa)
	SKF ECORUBBER-2		-20 °C...+200 °C	0,5 m/s	
	SKF ECORUBBER-3		-50 °C...+150 °C	0,5 m/s	
	SKF ECORUBBER-H		-25 °C...+150 °C	0,5 m/s	
	SKF ECOFLAS		-10 °C...+200 °C	0,5 m/s	

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

¹ Pressure ratings depend on the size of the extrusion gap.

² ≤ Ø260mm: SKF ECOTAL ; > Ø260mm: SKF ECOMID

Ordering example

K1012-T, D=100mm, d=80mm, L=21,2mm, SKF ECOTAL / ECOPUR® / X-ECOPUR™

Piston Seal K1012-T

Profile

100 x 80 x 21,2

D x d x L

SKF ECOTAL / ECOPUR® / X-ECOPUR™

Backup ring / Chevron / Pressure ring