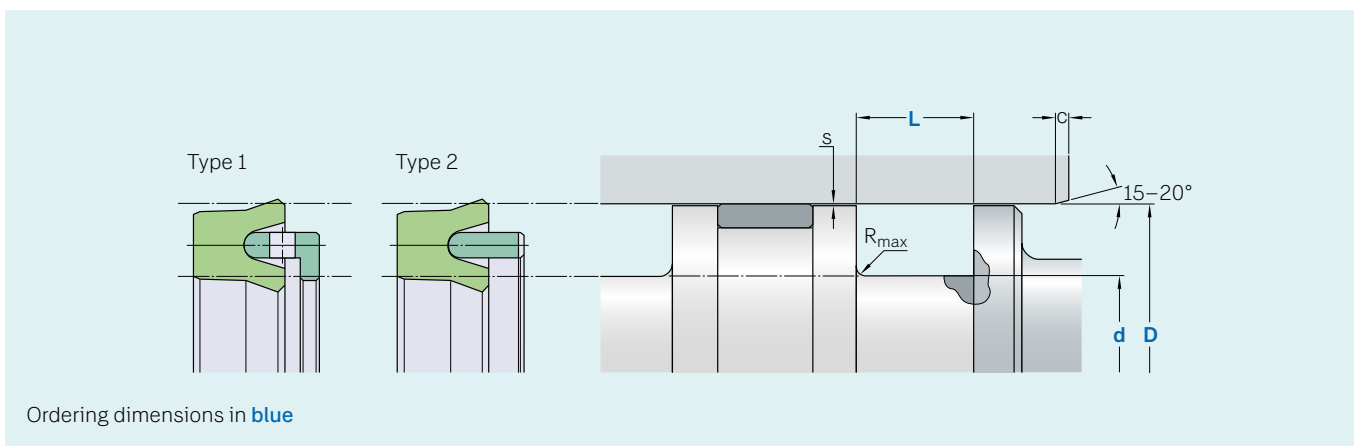


# K22-R



Surface roughness	$R_{tmax}$	$R_a$
	$\mu m$	
<b>Sliding surface</b>	$\leq 2,5$	$0,05-0,2$
<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  $C_{ref} = 0\%$

Standard dimensions						Maximal radial extrusion gap		
D	d	L	$R_{max}$	c	$s^*$	20 bar	100 bar	160 bar
H9	h10	+ 0,2						
over	incl.							
mm						mm		
<b>14</b>	<b>25</b>	D - 8	6	0,4	3,5	0,23	0,16	0,14
<b>25</b>	<b>50</b>	D - 10	7	0,4	4,0	0,26	0,19	0,17
<b>50</b>	<b>75</b>	D - 12	8	0,4	4,5	0,29	0,22	0,20
<b>75</b>	<b>150</b>	D - 15	10	0,4	5,0	0,31	0,24	0,22
<b>150</b>	<b>300</b>	D - 20	12	0,4	6,0	0,34	0,27	0,25
<b>300</b>	<b>500</b>	D - 25	18	0,4	8,5	0,37	0,30	0,29
<b>500</b>	<b>600</b>	D - 30	20	0,4	10,0	0,40	0,34	0,32

\* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.  
Standard: Type 2

## Ordering example

Profile  
D x d x L [mm]  
Sealing material / Support ring

Piston seal K22-R Type 1  
100 x 85 x 10  
SKF Ecorubber-1 / SKF Ecotal

## Operating parameters

Material Seal	Support ring <sup>3)</sup>	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecorubber-1	■ SKF Ecotal	-30	+100	0,5	160 (16)
■ SKF Ecorubber-1	■ SKF Ecomid	-30	+100	0,5	160 (16)
■ SKF Ecorubber-H	■ SKF Ecoflon 2	-25	+150	0,5	160 (16)
■ SKF Ecorubber-H	■ SKF Ecotal	-25	+100	0,5	160 (16)
■ SKF Ecorubber-H	■ SKF Ecomid	-25	+100	0,5	160 (16)
■ SKF Ecorubber-2	■ SKF Ecoflon 2	-20	+200	0,5	160 (16)
■ SKF Ecorubber-3	■ SKF Ecoflon 2	-50	+150	0,5	160 (16)
■ SKF Ecorubber-3	■ SKF Ecotal	-40	+100	0,5	160 (16)
■ SKF Ecorubber-3	■ SKF Ecomid	-40	+100	0,5	160 (16)
■ SKF Ecoflas	■ SKF Ecoflon 2	-10	+200	0,5	160 (16)

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.