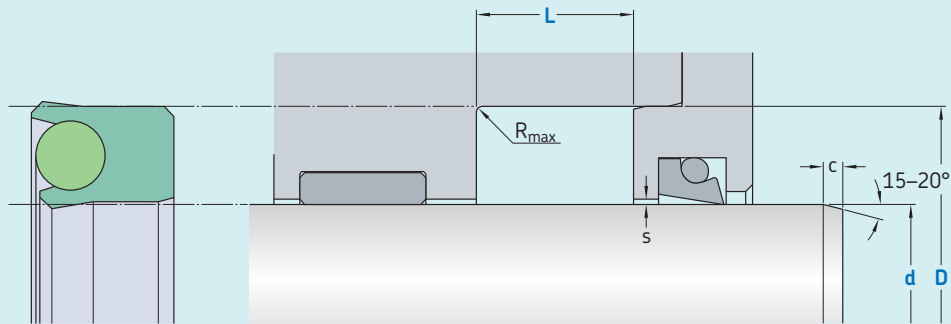


S03-F



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	μm	

Sliding surface	≤ 2	0,05–0,2
Bottom of groove	$\leq 6,3$	$\leq 1,6$
Groove face	≤ 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	$f8$	D	L	R_{max}	c	s^*				
over	incl.	H10	+ 0,2				20 bar	100 bar	200 bar	400 bar
mm						mm				
5	25	$d + 8$	6,3	0,4	3,5	0,40	0,20	0,15	0,09	
25	50	$d + 10$	8,0	0,4	4,0	0,45	0,22	0,17	0,10	
50	150	$d + 15$	10,0	0,4	5,0	0,75	0,40	0,33	0,18	
150	300	$d + 20$	14,0	0,4	6,0	0,87	0,48	0,38	0,20	
300	500	$d + 25$	17,0	0,4	8,5	0,87	0,48	0,38	0,20	
500	600	$d + 30$	25,0	0,4	10,0	0,87	0,48	0,38	0,20	

* 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 / Energizer

Rod seal S03-F
100 x 115 x 10
 SKF Ecoflon 3 / FPM75

Operating parameters

Material Seal	Energizer	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
SKF Ecoflon 1	NBR 70	-30	+100	1,0	200 (20)
SKF Ecoflon 1	MVQ 70	-55	+200	1,0	200 (20)
SKF Ecoflon 2	NBR 70	-30	+100	1,0	400 (40)
SKF Ecoflon 2	FPM 75	-20	+200	1,0	400 (40)
SKF Ecoflon 2	EPDM 70	-50	+150	1,0	400 (40)
SKF Ecoflon 2	MVQ 70	-55	+200	1,0	400 (40)
SKF Ecoflon 3	NBR 70	-30	+100	1,0	400 (40)
SKF Ecoflon 3	FPM 75	-20	+200	1,0	400 (40)
SKF Ecoflon 3	EPDM 70	-50	+150	1,0	400 (40)
SKF Ecoflon 3	MVQ 70	-55	+200	1,0	400 (40)
SKF Ecoflon 4	NBR 70	-30	+100	1,0	400 (40)
SKF Ecoflon 4	FPM 75	-20	+200	1,0	400 (40)
SKF Ecoflon 4	EPDM 70	-50	+150	1,0	400 (40)
SKF Ecoflon 4	MVQ 70	-55	+200	1,0	400 (40)
SKF Ecowear 1000	NBR 70	-30	+90	0,5	200 (20)
SKF Ecowear 1000	MVQ 70	-55	+90	0,5	200 (20)

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