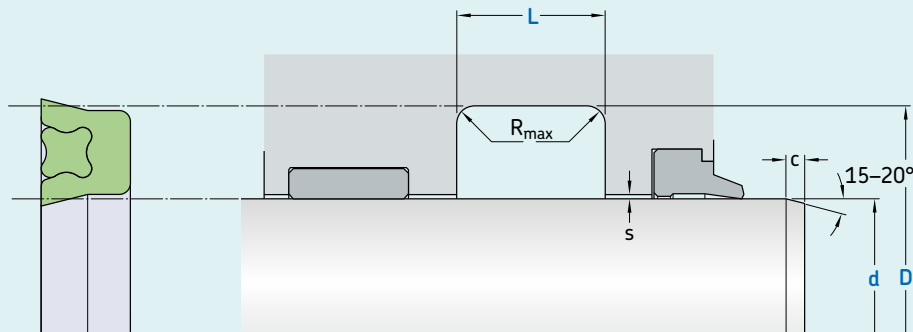


STD-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	μm	
Sliding surface	≤ 2.5	0.05–0.3
Bottom of groove	≤ 6.3	≤ 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	$s^{1)}$		
over	incl.	H10	+ 0.2			20 bar	100 bar	160 bar
mm						mm		
5	25	$d + 8$	4.4	0.4	3.5	0.23	0.16	0.14
25	50	$d + 10$	5.5	0.4	4.0	0.26	0.19	0.17
50	150	$d + 15$	8.3	0.4	5.0	0.31	0.24	0.22
150	300	$d + 20$	11.0	0.4	6.0	0.34	0.27	0.25
300	500	$d + 25$	13.8	0.4	8.5	0.37	0.30	0.29
500	600	$d + 30$	16.5	0.4	10.0	0.40	0.34	0.32
600	1 250	$d + 40$	22.0	0.4	13.0	0.40	0.34	0.32

¹⁾ 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 STD-R
100 x 115 x 8.3
SKF Ecorubber-1 / NBR 70

Operating parameters

Material Seal	Energizer	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecorubber-1	NBR 70	-30	+100	0.5	160 (16)

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.

