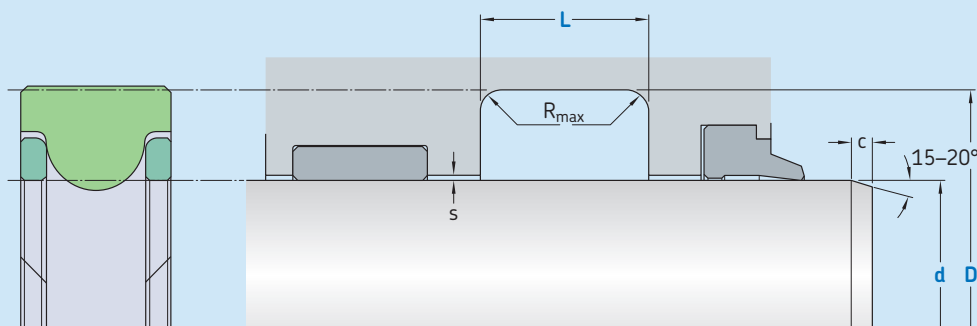


S20-R



Ordering dimensions in **blue**

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

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

Standard dimensions

d		D		L	R_{max}	c	s^*
static	dynamic	H10		+0,25			
over	incl.						
mm							
11	100	–	–	$d + 4,36$	4,5	0,4	f8/H8
100	150	11	20	$d + 4,36$	6,5	0,4	f8/H8
150	250	20	40	$d + 6,00$	7,4	0,4	f8/H8
250	400	40	100	$d + 9,06$	10,1	0,4	f8/H8
400	600	100	300	$d + 11,88$	12,8	0,4	f8/H8
600		300	600	$d + 17$	17,5	0,4	f8/H8

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

Ordering example

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

Rod Seal S20-R
100 x 115 x 10
SKF Ecorubber-1 / SKF Ecotal



Operating parameters

Material Seal	Backup ring	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecorubber-1	■ SKF Ecotal	-30	+100	0,5	700 (70)
■ SKF Ecorubber-H	■ SKF Ecomid ³⁾	-25			
■ SKF Ecorubber-2	■ SKF Ecopaek	-20	+200		
■ SKF Ecorubber-H	■ SKF Ecoflon 2	-25	+150		

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.

³⁾ D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.

