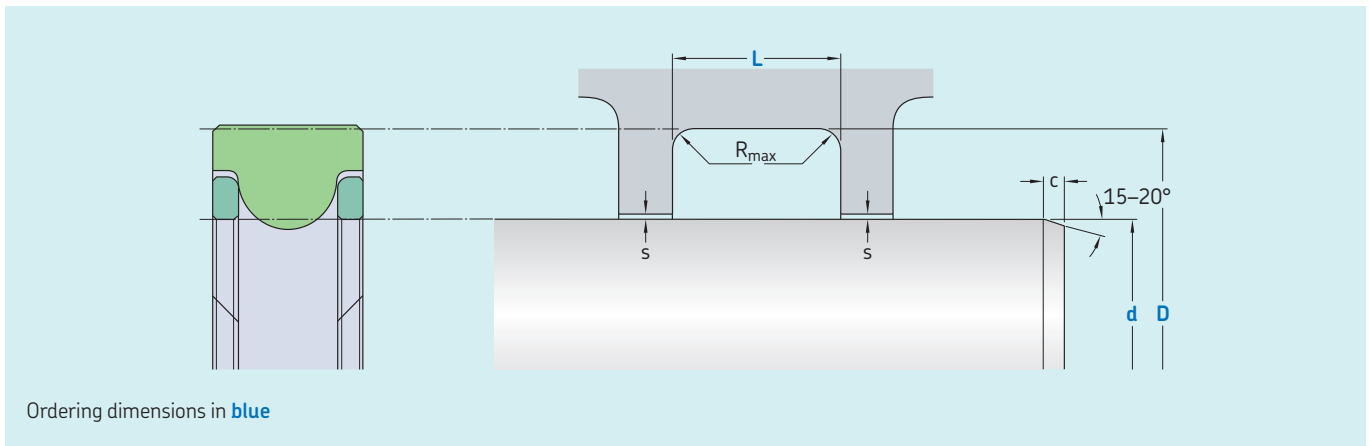


# S20-R



Surface roughness	$R_{tmax}$	$R_a$
	$\mu m$	
<b>Sliding surface</b>	$\leq 2,5$	0,05–0,3
<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				D	L	$R_{max}$	c	$s^*$
d	f8			H10	+0,25			
static	over	incl.	dynamic	over	incl.			
mm								
<b>11</b>	<b>100</b>	–	–	d + 2,70	4,5	0,4	2,0	f8/H8
<b>100</b>	<b>150</b>	<b>11</b>	<b>20</b>	d + 4,36	6,5	0,4	2,0	f8/H8
<b>150</b>	<b>250</b>	<b>20</b>	<b>40</b>	d + 6,00	7,4	0,4	3,0	f8/H8
<b>250</b>	<b>400</b>	<b>40</b>	<b>100</b>	d + 9,06	10,1	0,4	3,5	f8/H8
<b>400</b>	<b>600</b>	<b>100</b>	<b>300</b>	d + 11,88	12,8	0,4	4,5	f8/H8
<b>600</b>		<b>300</b>	<b>600</b>	d + 17,00	17,5	0,4	4,5	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 / Back-up ring

Rod Seal S20-R  
 100 x 115 x 13  
 SKF Ecorubber-1 / SKF Ecotal

**Operating parameters**

Material Seal	Back-up 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	700 (70)
■ SKF Ecorubber-1	■ SKF Ecomid	-30	+100	0,5	700 (70)
■ SKF Ecorubber-H	■ SKF Ecoflon 2	-25	+150	0,5	700 (70)
■ SKF Ecorubber-H	■ SKF Ecotal	-25	+100	0,5	700 (70)
■ SKF Ecorubber-H	■ SKF Ecomid	-25	+110	0,5	700 (70)
■ SKF Ecorubber-H	■ SKF Ecopaek	-25	+150	0,5	700 (70)
■ SKF Ecorubber-2	■ SKF Ecoflon 2	-20	+200	0,5	700 (70)
■ SKF Ecorubber-2	■ SKF Ecopaek	-20	+200	0,5	700 (70)

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.

