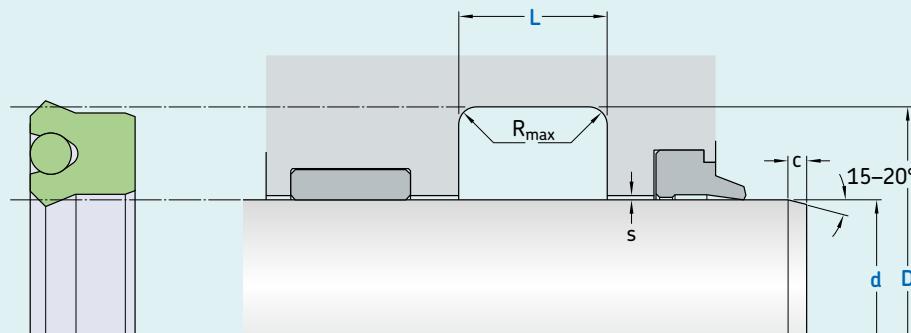


BPO-R



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		D f8 over	D H10 incl.	L + 0.2	R _{max}	c	Maximal radial extrusion gap		
							20 bar	100 bar	160 bar

d	D		L	R _{max}	c	mm	mm	mm
5	25	d + 8	6.3	0.4	3.5	0.23	0.16	0.14
25	50	d + 10	8.0	0.4	4.0	0.26	0.19	0.17
50	150	d + 15	10.0	0.4	5.0	0.31	0.24	0.22
150	300	d + 20	14.0	0.4	6.0	0.34	0.27	0.25
300	500	d + 25	17.0	0.4	8.5	0.37	0.30	0.29
500	600	d + 30	25.0	0.4	10.0	0.40	0.34	0.32
600	1000	d + 40	32.0	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 x D x L [mm]

Sealing material

Rod seal BPO-R

100 x 115 x 10

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)
■ SKF Ecorubber-2	FPM 75	-20	+200	0.5	160 (16)
■ SKF Ecorubber-3	EPDM 70	-50	+150	0.5	160 (16)
■ SKF Ecosil ³⁾	MVQ 70	-55	+200	-	-

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⁾ Only recommended for static or quasi-static-applications.



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