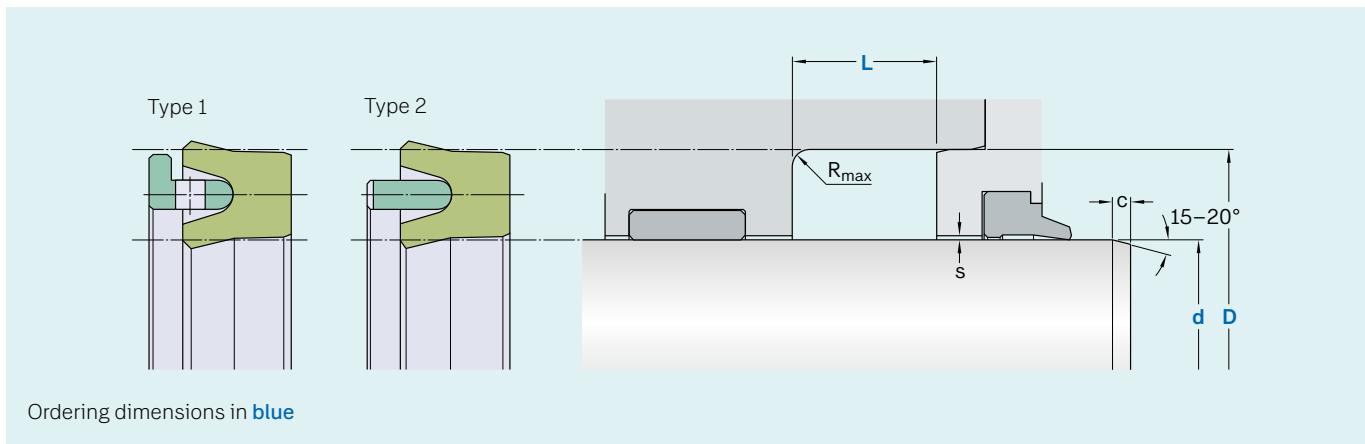


S22-P



Surface roughness $R_{t\max}$		R_a	Standard dimensions					Maximal radial extrusion gap				
	μm		d f8 over	D H10 incl.	L $+0,2$	R_{\max}	c	s*	20 bar	100 bar	200 bar	400 bar
Sliding surface	$\leq 2,5$	$0,05-0,3$										
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 $C_{\text{ref}} = 0\%$												
6	25	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05			
25	50	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10			
50	150	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19			
150	300	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26			
300	500	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33			
500	600	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39			

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.
Standard: type 2

Ordering example

Profile

d x D x L [mm]

Sealing material / Support ring

Rod Seal S22-P Type 1

100 x 115 x 10

ECOPUR / SKF Ecotal

Operating parameters

Material Seal	Support ring ³⁾	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ ECOPUR	■ SKF Ecotal	-30	+100	0,5	400 (40)
■ ECOPUR	■ SKF Ecomid	-30	+100	0,5	400 (40)
■ ECOPUR LD	■ SKF Ecomid	-35	+100	0,5	400 (40)
■ G-ECOPUR	■ SKF Ecomid	-30	+100	0,5	400 (40)
■ H-ECOPUR	■ SKF Ecotal	-20	+100	0,5	400 (40)
■ H-ECOPUR	■ SKF Ecomid	-20	+100	0,5	400 (40)
■ S-ECOPUR	■ SKF Ecotal	-20	+100	0,5	400 (40)
■ S-ECOPUR	■ SKF Ecomid	-20	+100	0,5	400 (40)
■ T-ECOPUR	■ SKF Ecotal	-40	+100	0,5	400 (40)
■ T-ECOPUR	■ SKF Ecomid	-40	+100	0,5	400 (40)

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) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.



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PUB SE/P8 11935/3 EN · August 2024