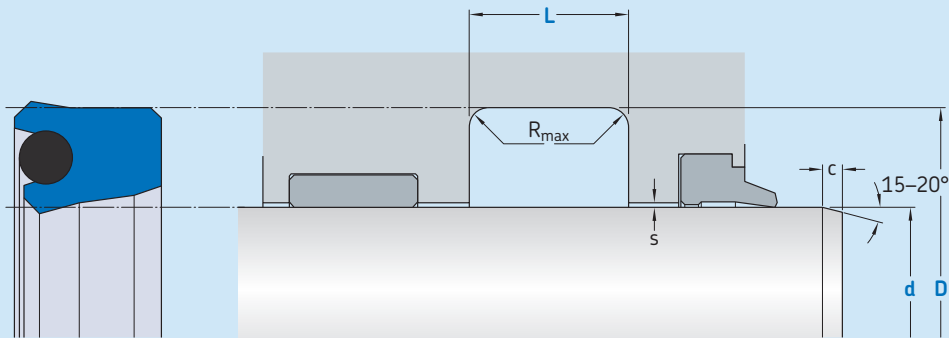


DS03-P



Ordering dimensions in **blue**

Surface roughness R_{tmax} R_a

Sliding surface $\leq 2,5 \mu m$ $0,05-0,3 \mu m$

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 f8 over	D H10 incl.	L + 0,2	R_{max}	c	s^1	Maximal radial extrusion gap			
						20 bar	100 bar	200 bar	400 bar
mm						mm			
5	25	d + 8	6,3	0,4	3,5	0,33	0,18	0,10	0,05
25	50	d + 10	8,0	0,4	4,0	0,37	0,23	0,15	0,10
50	150	d + 15	10,0	0,4	5,0	0,46	0,33	0,25	0,18
150	200	d + 20	14,0	0,4	6,0	0,54	0,38	0,33	0,25

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 / Energizer

Rod seal DS03-P
100 x 115 x 10
ECOPUR DD / NBR 70

Operating parameters

Material Seal	Energizer	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
–		°C		m/s	bar (MPa)
■ ECOPUR DD	NBR70	–30	+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.