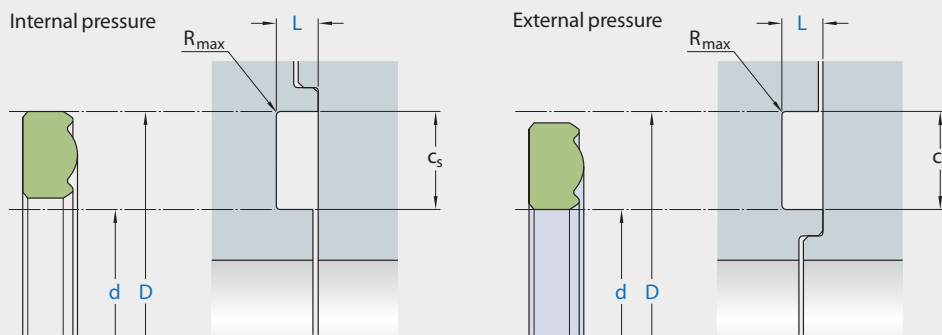


R20-P



Ordering dimensions in blue

Pressure Surface roughness	Constant		Pulsating	
	R_{tmax}	R_a	R_{tmax}	R_a
	m		m	
Sliding surface	12,5	3,2	6,3	1,6
Bottom of groove	12,5	3,2	6,3	1,6
Groove face	12,5	3,2	6,3	1,6

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

Standard dimensions		D	c_s	L	R_{max}
d	h11	H11		+0,2	
over	incl.				
mm					
5	75	d + 15	7,5	2,5	0,4
75	100	d + 16	8	4	0,4
100	150	d + 20	10	5	0,4
150	200	d + 25	12,5	6	0,4
200	350	d + 30	15	7,5	0,4
350	600	d + 40	20	10	0,4

Standard definition for this profile is inner pressure.
d h11 = D H11

application



operating parameters & materials

diameter range: up to 600 mm

material	temperature	max. surface speed	max. pressure ¹
ECOPUR	-30 °C ... +110 °C	-	800 bar (80 MPa)
H-ECOPUR	-20 °C ... +110 °C	-	800 bar (80 MPa)
S-ECOPUR	-20 °C ... +110 °C	-	800 bar (80 MPa)
T-ECOPUR	-50 °C ... +110 °C	-	800 bar (80 MPa)
G-ECOPUR	-30 °C ... +110 °C	-	800 bar (80 MPa)

the stated operation conditions represent general indications. it is recommended not to use all maximum values simultaneously. surface speed limits apply only to the presence of adequate lubrication film.

¹ pressure ratings are dependent on the size of the extrusion gap.

surface quality

	Rtmax (µm)	Ra (µm)
surface roughness	≤10	≤1,6

tolerance recommendation

seal housing tolerances	
Ød	h10
ØD	H10