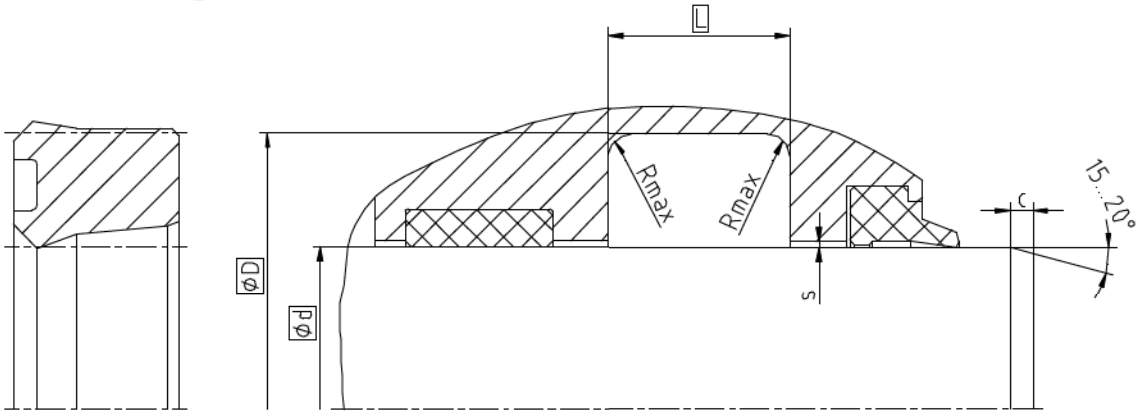
Seal data sheet
Rod seals

S08-PE

2008-09

Seal housing



Surface roughness	Rtmax	Ra
Sliding Surface	≤ 2,5 µm	0,1...0,5 µm
Bottom of groove	≤ 6,3 µm	≤ 1,6 µm
Groove face	≤ 15 µm	≤ 3 µm

Ordering dimensions...□

Bearing area: 50...95% and a cutting depth of 0,5xRz based on Cref = 0%

Standard dimensions

Ød f8	ØD H10	L +0,2	Rmax	c	max. radial extrusion gap s*			
					20 bar	100 bar	200 bar	400 bar
≥ 5 ... ≤ 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 applies to a temperature of 70 °C, higher temperatures require lower values.

Operating parameters

Sealing material	Temperature	max. speed	max. pressure[1]
ECOPUR®	**-30 °C...+110 °C**	**0,3 m/s**	**400 bar (40 MPa)**
H-ECOPUR™	-20 °C...+110 °C	0,3 m/s	
S-ECOPUR™	-20 °C...+110 °C	0,4 m/s	
T-ECOPUR™	-50 °C...+110 °C	0,3 m/s	

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 depend on the size of the extrusion gap.

Ordering example

S08-PE, d=100mm, D=115mm, L=10mm, ECOPUR®

Rod Seal S08-PE	**100 x 115 x 10**	**ECOPUR®**
Profile	d x D x L	Sealing material

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