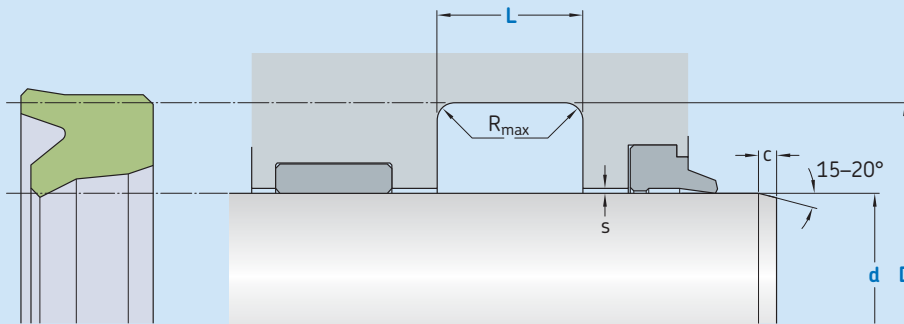


S01-P



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 | | | | | | Maximal radial extrusion gap | | | |
|---------------------|------------|--------|-------|-----------|------|------------------------------|---------|---------|---------|
| d | f8 | D | L | R_{max} | c | s^* | | | |
| over | incl. | H10 | + 0,2 | | | 20 bar | 100 bar | 200 bar | 400 bar |
| mm | | | | | | mm | | | |
| 11 | 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 | 700 | d + 30 | 25,0 | 0,4 | 10,0 | 0,67 | 0,52 | 0,45 | 0,39 |
| 700 | | d + 40 | 32,0 | 0,4 | 13,0 | 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.

Ordering example

Profile
d x D x L [mm]
Sealing material

Rod seal S01-P
100 x 115 x 10
ECOPUR

Operating parameters

| Material Seal | Temperature | | Speed ¹⁾ | Pressure ²⁾ |
|---------------|-------------|------|---------------------|------------------------|
| | from | to | max | max |
| – | °C | | m/s | bar (MPa) |
| ■ ECOPUR | –30 | | | |
| ■ ECOPUR LD | –35 | | | |
| ■ G-ECOPUR | –30 | +110 | 0,5 | 400 (40) |
| ■ H-ECOPUR | –20 | | | |
| ■ S-ECOPUR | –20 | | 0,7 | |
| ■ T-ECOPUR | –50 | | 0,5 | |

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.