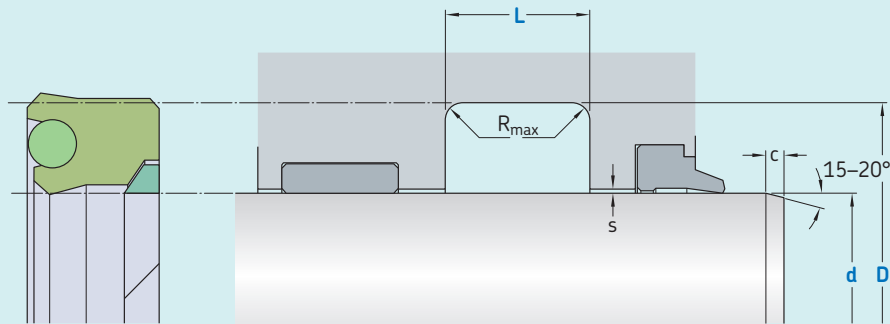


S04-PD



Ordering dimensions in **blue**

| Surface roughness | R_{tmax} | R_a |
|-------------------------|------------|------------|
| | μm | |
| 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 $C_{ref} = 0\%$

| Standard dimensions | | | | | | Maximal radial extrusion gap | | | |
|---------------------|-------------|--------|-----------|-----|-------|------------------------------|---------|---------|---------------|
| d | D | L | R_{max} | c | s^1 | 20 bar | 100 bar | 400 bar | 700 bar |
| f8 | H10 | + 0,2 | | | | | | | |
| over | incl. | | | | | | | | |
| mm | | | | | | mm | | | |
| 16 | 25 | d + 8 | 6,3 | 0,4 | 3,5 | 0,80 | 0,80 | 0,30 | 0,04 |
| 25 | 50 | d + 10 | 8,0 | 0,4 | 4,0 | 1,00 | 1,00 | 0,37 | 0,04 |
| 50 | 150 | d + 15 | 10,0 | 0,4 | 5,0 | 1,50 | 1,47 | 0,46 | 0,05 |
| 150 | 300 | d + 20 | 14,0 | 0,4 | 6,0 | 2,00 | 1,77 | 0,54 | 0,06 |
| 300 | 500 | d + 25 | 17,0 | 0,4 | 8,5 | 2,50 | 2,06 | 0,62 | 0,06 |
| 500 | 600 | d + 30 | 25,0 | 0,4 | 10,0 | 3,00 | 2,43 | 0,76 | 0,06 |
| 600 | 1000 | d + 40 | 32,0 | 0,4 | 13,0 | 3,00 | 2,43 | 0,76 | ²⁾ |
| 1000 | 1600 | d + 50 | 40,0 | 0,4 | 15,0 | 3,00 | 2,43 | 0,76 | ²⁾ |

¹⁾ Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.
²⁾ Please contact SKF.

Ordering example

Profile
 d x D x L [mm]
 Sealing material / Energizer / Back-up ring

Rod seal S04-PD
100 x 115 x 10
 ECOPUR / NBR 70 / SKF Ecotal

Operating parameters

| Material Seal | Energizer | Back-up ring ³⁾ | Temperature | | Speed ¹⁾ | Pressure ²⁾ |
|---------------|-----------|----------------------------|-------------|------|---------------------|------------------------|
| | | | from | to | max | max |
| | | | °C | | m/s | bar (MPa) |
| ■ ECOPUR | NBR 70 | ■ SKF Ecotal | -30 | +100 | 0,5 | 700 (70) |
| ■ ECOPUR | NBR 70 | ■ SKF Ecomid | -30 | +100 | 0,5 | 700 (70) |
| ■ ECOPUR LD | NBR 70 | ■ SKF Ecomid | -30 | +100 | 0,5 | 700 (70) |
| ■ G-ECOPUR | NBR 70 | ■ SKF Ecomid | -30 | +100 | 0,5 | 700 (70) |
| ■ H-ECOPUR | NBR 70 | ■ SKF Ecotal | -20 | +100 | 0,5 | 700 (70) |
| ■ H-ECOPUR | NBR 70 | ■ SKF Ecomid | -20 | +100 | 0,5 | 700 (70) |
| ■ S-ECOPUR | NBR 70 | ■ SKF Ecotal | -20 | +100 | 0,5 | 700 (70) |
| ■ S-ECOPUR | NBR 70 | ■ SKF Ecomid | -20 | +100 | 0,5 | 700 (70) |
| ■ T-ECOPUR | MVQ 70 | ■ SKF Ecotal | -50 | +100 | 0,5 | 700 (70) |
| ■ T-ECOPUR | MVQ 70 | ■ SKF Ecomid | -40 | +100 | 0,5 | 700 (70) |

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.