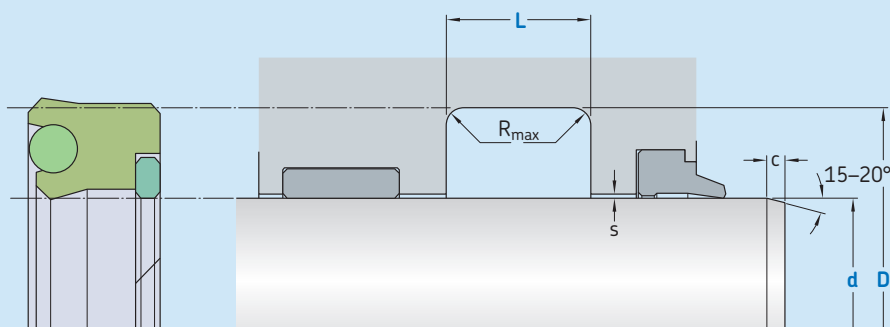


S04-P



Ordering dimensions in **blue**

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

Surface roughness R_{tmax} R_a

Sliding surface $\leq 2,5 \mu m$ $0,1-0,5 \mu m$

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 | maximal radial extrusion gap s^* | | | | |
|-----------------|-------------------|------------|-----------|-----|---------------------------------------|---------|---------|---------|------|
| | | | | | 20 bar | 100 bar | 400 bar | 700 bar | |
| mm | | | | | mm | | | | |
| 22 | 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 |

* 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 / Backup ring

Rod seal S04-P
100 x 115 x 10
ECOPUR / NBR70 / SKF Ectotal



Operating parameters

| Material Seal | Energizer | Backup ring | Temperature | | Speed ¹⁾ | Pressure ²⁾ |
|---------------|-----------|--|-------------|------|---------------------|------------------------|
| | | | from | to | max | max |
| | | | °C | | m/s | bar (MPa) |
| ■ ECOPUR | | | -30 | | 0,5 | |
| ■ H-ECOPUR | NBR70 | ■ SKF Ecotal ■ SKF Ecomid ³⁾ | -20 | +100 | 0,7 | 700 (70) |
| ■ S-ECOPUR | | | | | | |
| ■ T-ECOPUR | MVQ70 | | -40 | | 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.

³⁾ D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.

