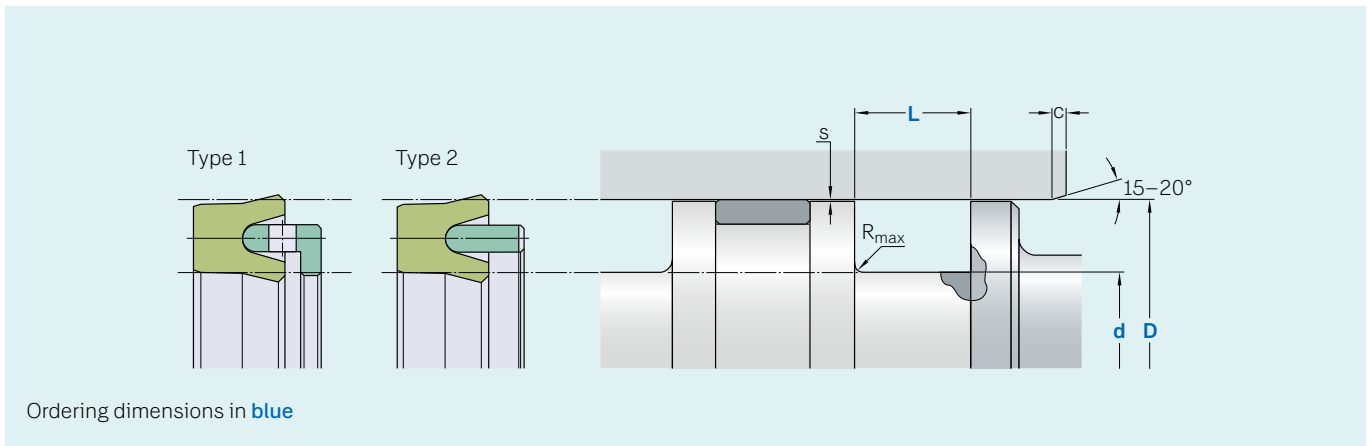


K22-P



| Surface roughness | R_{tmax} | R_a |
|-------------------------|------------|------------|
| | μm | |
| Sliding surface | $\leq 2,5$ | $0,05-0,2$ |
| 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^* | | | | |
| H9 | h10 | + 0,2 | | | | 20 bar | 100 bar | 200 bar | 400 bar |
| over | incl. | | | | | | | | |
| mm | | | | | | mm | | | |
| 14 | 25 | D - 8 | 6 | 0,4 | 3,5 | 0,33 | 0,18 | 0,11 | 0,05 |
| 25 | 50 | D - 10 | 7 | 0,4 | 4,0 | 0,37 | 0,22 | 0,16 | 0,10 |
| 50 | 75 | D - 12 | 8 | 0,4 | 4,5 | 0,42 | 0,27 | 0,20 | 0,14 |
| 75 | 150 | D - 15 | 10 | 0,4 | 5,0 | 0,46 | 0,31 | 0,25 | 0,19 |
| 150 | 300 | D - 20 | 12 | 0,4 | 6,0 | 0,54 | 0,39 | 0,32 | 0,26 |
| 300 | 500 | D - 25 | 18 | 0,4 | 8,5 | 0,61 | 0,46 | 0,39 | 0,33 |
| 500 | 600 | D - 30 | 20 | 0,4 | 10,0 | 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.
Standard: Type 2

Ordering example

Profile
 D x d x L [mm]
 Sealing material / Support ring

Piston seal K22-P Type 1
100 x 85 x 10
ECOPUR / SKF Ecotal

Operating parameters

| Material Seal | Support ring ³⁾ | Temperature | | Speed ¹⁾ | Pressure ²⁾ |
|---------------|----------------------------|-------------|------|---------------------|------------------------|
| | | from | to | max | max |
| | | °C | | m/s | bar (MPa) |
| ■ ECOPUR | ■ SKF Ecotal | -30 | +100 | 0,5 | 400 (40) |
| ■ ECOPUR | ■ SKF Ecomid | -30 | +110 | 0,5 | 400 (40) |
| ■ ECOPUR LD | ■ SKF Ecomid | -35 | +100 | 0,5 | 400 (40) |
| ■ G-ECOPUR | ■ SKF Ecomid | -30 | +110 | 0,5 | 400 (40) |
| ■ H-ECOPUR | ■ SKF Ecotal | -20 | +100 | 0,5 | 400 (40) |
| ■ H-ECOPUR | ■ SKF Ecomid | -20 | +110 | 0,5 | 400 (40) |
| ■ S-ECOPUR | ■ SKF Ecotal | -20 | +100 | 0,5 | 400 (40) |
| ■ S-ECOPUR | ■ SKF Ecomid | -20 | +110 | 0,5 | 400 (40) |
| ■ T-ECOPUR | ■ SKF Ecotal | -50 | +100 | 0,5 | 400 (40) |
| ■ T-ECOPUR | ■ SKF Ecomid | -40 | +110 | 0,5 | 400 (40) |

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.