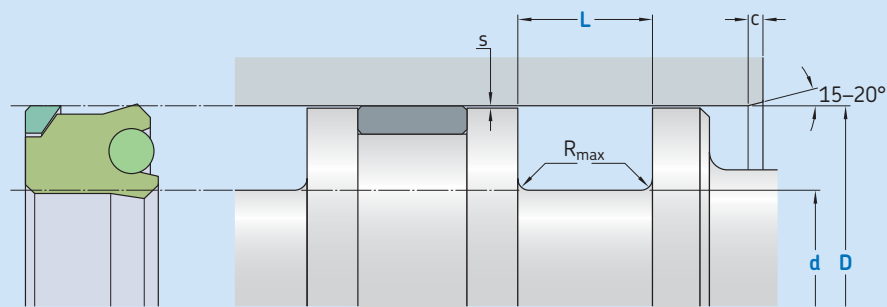


K04-PD



Ordering dimensions in **blue**

| Surface roughness | R_{tmax} | R_a |
|-------------------------|------------------|------------------|
| Sliding surface | $\leq 2,5 \mu m$ | $0,05-0,2 \mu m$ |
| 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 | H9 | d | L | R_{max} | c | $s^{1)}$ | | | |
| over | incl. | h10 | + 0,2 | | | 20 bar | 100 bar | 400 bar | 700 bar |
| mm | | | | | | mm | | | |
| 13 | 25 | D - 8 | 6,0 | 0,4 | 3,5 | 0,80 | 0,80 | 0,30 | 0,04 |
| 25 | 50 | D - 10 | 7,0 | 0,4 | 4,0 | 1,00 | 1,00 | 0,37 | 0,04 |
| 50 | 75 | D - 12 | 8,0 | 0,4 | 4,5 | 1,25 | 1,24 | 0,42 | 0,05 |
| 75 | 150 | D - 15 | 10,0 | 0,4 | 5,0 | 1,50 | 1,47 | 0,46 | 0,05 |
| 150 | 300 | D - 20 | 12,0 | 0,4 | 6,0 | 2,00 | 1,77 | 0,54 | 0,06 |
| 300 | 500 | D - 25 | 18,0 | 0,4 | 8,5 | 2,50 | 2,06 | 0,62 | 0,06 |
| 500 | 600 | D - 30 | 20,0 | 0,4 | 10,0 | 3,00 | 2,43 | 0,76 | 0,06 |
| 600 | 1000 | D - 40 | 26,0 | 0,4 | 13,0 | 3,00 | 2,43 | 0,76 | ²⁾ |
| 1000 | 1600 | D - 50 | 32,0 | 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 / Backup ring

Piston seal K04-PD
100 x 85 x 10
ECOPUR / NBR70 / SKF Ecotal

Operating parameters

| Material Seal | Energizer | Back-up ring | Temperature | | Speed ¹⁾ | Pressure ²⁾ |
|---|-----------|---|-------------|------|---------------------|------------------------|
| | | | from | to | max | max |
| | | | °C | | m/s | bar (MPa) |
| <ul style="list-style-type: none"> ■ ECOPUR ■ ECOPUR LD ■ G-ECOPUR ■ H-ECOPUR ■ S-ECOPUR ■ T-ECOPUR | NBR70 | <ul style="list-style-type: none"> ■ SKF Ecotal³⁾ ■ SKF Ecomid³⁾ ■ SKF Ecomid ■ SKF Ecotal³⁾ ■ SKF Ecomid³⁾ | -30 | +100 | 0,5 | 700 (70) |
| | MVQ70 | | -20 | | 0,7 | |
| | | | -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.