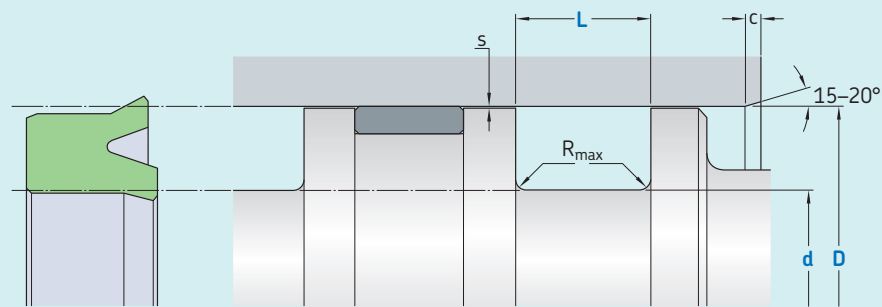


K01-R



Ordering dimensions in **blue**

| Surface roughness | R_{tmax} | R_a |
|-------------------------|------------|----------|
| | μm | |
| Sliding surface | ≤ 2,5 | 0,05–0,2 |
| Bottom of groove | ≤ 6,3 | ≤ 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^* | 20 bar | 100 bar | 160 bar |
| H9 over | incl. h10 | + 0,2 | | | | | | |
| mm | | | | | | mm | | |
| 13 | 25 | D – 8 | 6,0 | 0,4 | 3,5 | 0,23 | 0,16 | 0,14 |
| 25 | 50 | D – 10 | 7,0 | 0,4 | 4,0 | 0,26 | 0,19 | 0,17 |
| 50 | 75 | D – 12 | 8,0 | 0,4 | 4,5 | 0,29 | 0,22 | 0,20 |
| 75 | 150 | D – 15 | 10,0 | 0,4 | 5,0 | 0,32 | 0,24 | 0,22 |
| 150 | 300 | D – 20 | 12,0 | 0,4 | 6,0 | 0,35 | 0,27 | 0,25 |
| 300 | 500 | D – 25 | 18,0 | 0,4 | 8,5 | 0,39 | 0,30 | 0,29 |
| 500 | 750 | D – 30 | 20,0 | 0,4 | 10,0 | 0,40 | 0,34 | 0,32 |
| 750 | | D – 40 | 26,0 | 0,4 | 13,0 | 0,40 | 0,34 | 0,32 |

* 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

Piston seal K01-R
100 x 85 x 10
SKF Ecorubber-1

Operating parameters

| Material Seal | Temperature | | Speed ¹⁾ | Pressure ²⁾ |
|----------------------------|-------------|------|---------------------|------------------------|
| | from | to | max | max |
| | °C | | m/s | bar (MPa) |
| ■ SKF Ecorubber-1 | -30 | +100 | 0,5 | 160 (16) |
| ■ SKF Ecorubber-H | -25 | +150 | 0,5 | 160 (16) |
| ■ SKF Ecorubber-2 | -20 | +200 | 0,5 | 160 (16) |
| ■ SKF Ecorubber-3 | -50 | +150 | 0,5 | 160 (16) |
| ■ SKF Ecoflas | -10 | +200 | 0,5 | 160 (16) |
| ■ SKF Ecosil ³⁾ | -60 | +200 | - | - |

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⁾ Only recommended for static or quasi-static applications.