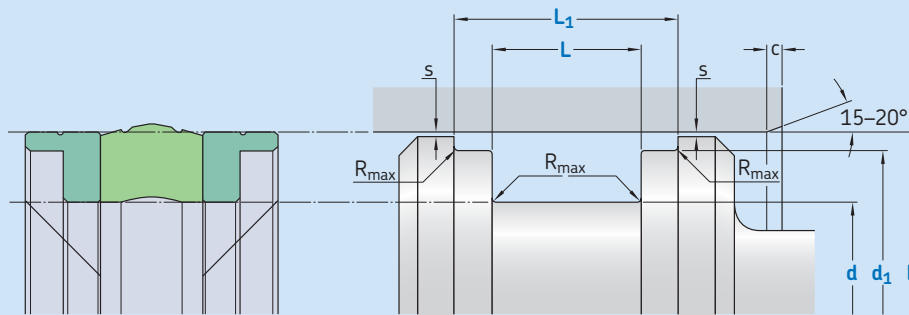


K17-R



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

| D | d | d_1 | L | L_1 | R_{max} | c | s^* | |
|------------|-------------|--------|-------|-------|-----------|-----|-------|------|
| H9 over | h9 incl. | h8 | + 0,2 | | | | | |
| mm | | | | | | | | |
| 13 | 40 | D - 8 | D - 3 | 10 | 18 | 0,4 | 4 | 0,39 |
| 40 | 80 | D - 10 | D - 3 | 10 | 18 | 0,4 | 4 | 0,39 |
| 80 | 120 | D - 15 | D - 4 | 15 | 23 | 0,4 | 5 | 0,52 |
| 120 | 200 | D - 20 | D - 5 | 20 | 33 | 0,4 | 6 | 0,65 |
| 200 | 400 | D - 25 | D - 6 | 25 | 39 | 0,4 | 8,5 | 0,78 |
| 400 | 600 | D - 30 | D - 8 | 30 | 44 | 0,4 | 10 | 1,00 |

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile
D x d/ d_1 x L/ L_1 [mm]
Sealing material / Backup ring

Piston seal K17-R
100 x 85/96 x 15/23
SKF Ecorubber-1 / SKF Ecotal

Operating parameters

| Material Seal | Back-up ring | Temperature | | Speed ¹⁾ | Pressure ²⁾ |
|-------------------|--|-------------|------|---------------------|------------------------|
| | | from | to | max | max |
| | | °C | | m/s | bar (MPa) |
| ■ SKF Ecorubber-H | ■ SKF Ecoflon 2 ■ SKF Ecopaek | -25 | +150 | 0,5 | 250 (25) |
| | ■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾ | | +100 | | |
| ■ SKF Ecorubber-1 | ■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾ | -30 | +100 | | |
| ■ SKF Ecorubber-2 | ■ SKF Ecoflon 2 ■ SKF Ecopaek | -25 | +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⁾ D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.