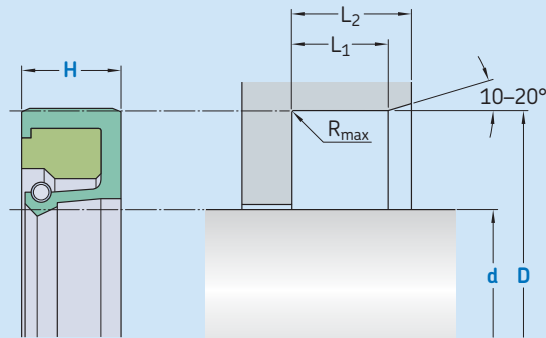


R01-P



Ordering dimensions in **blue**

| 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 | $\leq 15 \mu m$ | $\leq 3 \mu m$ |

Hardness: Min 45 HRC (55 HRC recommended), hardened depth $> 0,3$ mm.
Bearing area: 50–95% and a cutting depth of 0,5 R_z based on $C_{ref} = 0\%$

Standard dimensions

| d | D | H | L_1 | L_2 | R_{max} | |
|------------|------------|----------|-------|-------|-----------|-----|
| h11 | H8 | | | | | |
| over | incl. | | | | | |
| mm | | | | | | |
| 5 | 60 | $d + 12$ | 7,0 | 5,95 | 7,3 | 0,4 |
| 60 | 140 | $d + 15$ | 8,0 | 6,8 | 8,3 | 0,4 |
| 140 | 300 | $d + 20$ | 10,0 | 8,5 | 10,3 | 0,4 |
| 300 | 500 | $d + 30$ | 12,0 | 10,3 | 12,3 | 0,8 |
| 500 | 800 | $d + 40$ | 20,0 | 17 | 20,3 | 0,8 |
| 800 | | $d + 50$ | 22,0 | 18,7 | 22,3 | 0,8 |

Ordering example

Profile
d x D x H [mm]
Sealing material / Clamping ring / Spring

Rotary seal R01-P
100 x 115 x 8
ECOPUR / SKF Ecotol / 1.4310

Operating parameters

| Material Seal | Clamping ring | Spring | Temperature | | Speed ^{1) 2) 3)} max | Pressure max |
|---------------|--|--------|-------------|-----|----------------------------------|-----------------|
| | | | from | to | | |
| | | | °C | | m/s | bar (MPa) |
| ■ ECOPUR | ■ SKF Ecotal ⁴⁾ ■ SKF Ecomid ⁴⁾ | | -30 | | | |
| ■ ECOPUR LD | | | -35 | | | |
| ■ G-ECOPUR | ■ SKF Ecomid | 1.4310 | -30 | +80 | 5 | 0,5 (0,05) |
| ■ H-ECOPUR | | | -20 | | | |
| ■ S-ECOPUR | ■ SKF Ecotal ⁴⁾ ■ SKF Ecomid ⁴⁾ | | -20 | | | |
| ■ T-ECOPUR | | | -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⁾ Depending on shaft diameter

³⁾ Half speed value for greased applications.

⁴⁾ D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.