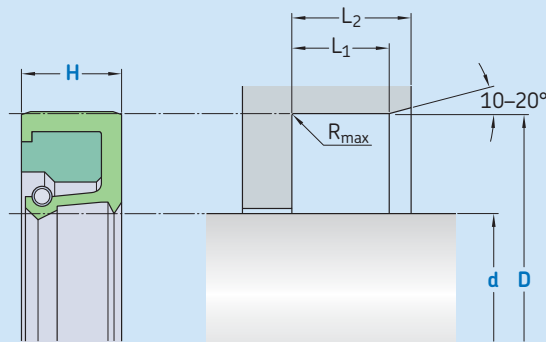


# R02-R



Ordering dimensions in **blue**

| Surface roughness       | $R_{tmax}$       | $R_a$            |
|-------------------------|------------------|------------------|
| <b>Sliding surface</b>  | $\leq 2,5 \mu m$ | $0,1-0,5 \mu m$  |
| <b>Bottom of groove</b> | $\leq 6,3 \mu m$ | $\leq 1,6 \mu m$ |
| <b>Groove face</b>      | $\leq 15 \mu m$  | $\leq 3 \mu m$   |

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         |            |          |       |       |           |     |
| <b>5</b>   | <b>60</b>  | $d + 12$ | 7,0   | 5,95  | 7,3       | 0,4 |
| <b>60</b>  | <b>140</b> | $d + 15$ | 8,0   | 6,8   | 8,3       | 0,4 |
| <b>140</b> | <b>300</b> | $d + 20$ | 10,0  | 8,5   | 10,3      | 0,4 |
| <b>300</b> | <b>500</b> | $d + 30$ | 12,0  | 10,3  | 12,3      | 0,8 |
| <b>500</b> | <b>800</b> | $d + 40$ | 20,0  | 17    | 20,3      | 0,8 |
| <b>800</b> |            | $d + 50$ | 22,0  | 18,7  | 22,3      | 0,8 |

### Ordering example

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

Rotary seal R02-R  
100 x 115 x 8  
SKF Ecorubber-1 / SKF Ecotal / 1.4310

## Operating parameters

| Material Seal     | Clamping ring              | Spring | Temperature |      | Speed <sup>1) 2) 3)</sup><br>max | Pressure<br>max |
|-------------------|----------------------------|--------|-------------|------|----------------------------------|-----------------|
|                   |                            |        | from        | to   |                                  |                 |
|                   |                            |        | °C          |      | m/s                              | bar (MPa)       |
| ■ SKF Ecoflas     |                            |        | -10         |      |                                  |                 |
| ■ SKF Ecorubber-H |                            |        | -25         |      | 10                               |                 |
| ■ SKF Ecorubber-1 | ■ SKF Ecotal <sup>4)</sup> |        | -30         | +80  |                                  | 0,5 (0,05)      |
| ■ SKF Ecorubber-2 | ■ SKF Ecomid <sup>4)</sup> |        | -20         |      | 15                               |                 |
| ■ SKF Ecorubber-3 |                            |        |             |      | 10                               |                 |
| ■ SKF Ecosil      |                            | 1.4310 | -50         |      | 5                                | -               |
| ■ SKF Ecoflas     |                            |        | -10         | +200 |                                  |                 |
| ■ SKF Ecorubber-H |                            |        | -25         | +150 | 10                               |                 |
| ■ SKF Ecorubber-1 | ■ Metal                    |        | -30         | +100 |                                  | 0,5 (0,05)      |
| ■ SKF Ecorubber-2 |                            |        | -20         | +200 | 15                               |                 |
| ■ SKF Ecorubber-3 |                            |        | -50         | +150 | 10                               |                 |
| ■ SKF Ecosil      |                            |        | -60         | +200 | 5                                | -               |

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.

<sup>1)</sup> Surface speed limit values are valid only in the presence of a lubrication film.

<sup>2)</sup> Depending on shaft diameter

<sup>3)</sup> Half speed value for greased applications.

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