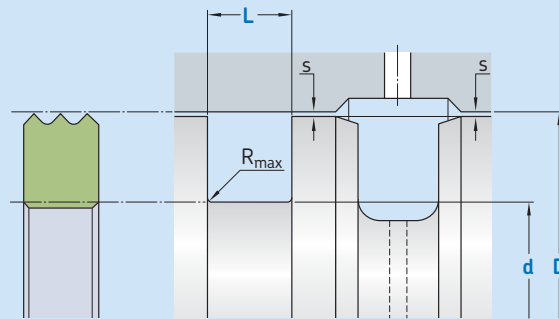


# R05-A



Ordering dimensions in **blue**

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

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

## Standard dimensions

| $D^*$      |            | $d$<br>h8 | $L$<br>$+ 0,2$ | $R_{max}$ | $s$   |
|------------|------------|-----------|----------------|-----------|-------|
| over       | incl.      |           |                |           |       |
| mm         |            |           |                |           |       |
| <b>13</b>  | <b>30</b>  | $D - 8$   | 4,5            | 0,2       | H9/e8 |
| <b>30</b>  | <b>46</b>  | $D - 10$  | 5,6            | 0,2       | H9/e8 |
| <b>46</b>  | <b>68</b>  | $D - 12$  | 5,6            | 0,2       | H9/e8 |
| <b>68</b>  | <b>100</b> | $D - 15$  | 7,7            | 0,2       | H7/f7 |
| <b>100</b> | <b>160</b> | $D - 20$  | 9,2            | 0,2       | H7/f7 |
| <b>160</b> | <b>225</b> | $D - 25$  | 11,3           | 0,2       | H7/f7 |
| <b>225</b> | <b>330</b> | $D - 30$  | 13,5           | 0,2       | H7/f7 |
| <b>330</b> |            | $D - 40$  | 18,5           | 0,2       | H7/f7 |

\* Tolerance area counter surface  $\leq 68 \text{ mm} \rightarrow \text{H9}$ ,  $> 68 \text{ mm} \rightarrow \text{H7}$

## Ordering example

Profile  
 $d \times D \times L$  [mm]  
Sealing material

Rotary seal R05-A  
100 x 120 x 9,2  
ECOPUR

## Operating parameters

| Material Seal     | Temperature |      | Speed <sup>1)</sup> | Pressure <sup>2)</sup> |
|-------------------|-------------|------|---------------------|------------------------|
|                   | from        | to   | max                 | max                    |
| –                 | °C          |      | m/s                 | bar (MPa)              |
| ■ ECOPUR          | –30         |      | 0,2                 |                        |
| ■ H-ECOPUR        | –20         | +110 |                     | 160 (16)               |
| ■ S-ECOPUR        |             |      | 0,3                 |                        |
| ■ T-ECOPUR        | –50         |      |                     |                        |
| ■ SKF Ecoflas     | –10         | +200 |                     |                        |
| ■ SKF Ecorubber-H | –25         | +150 | 0,2                 |                        |
| ■ SKF Ecorubber-1 | –30         | +100 |                     | 100 (10)               |
| ■ SKF Ecorubber-2 | –20         | +200 |                     |                        |
| ■ SKF Ecorubber-3 | –50         | +150 |                     |                        |

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> Pressure ratings depend on the size of the extrusion gap.