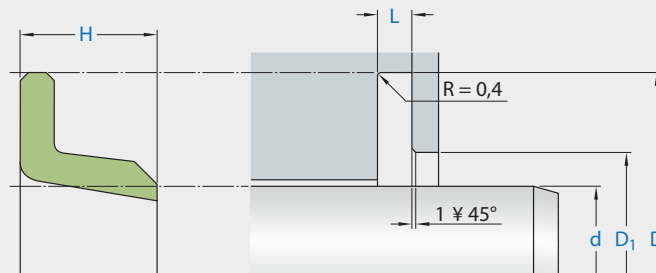


## A08-B



Ordering dimensions in blue

| Surface roughness | $R_{tmax}$       | $R_a$            |
|-------------------|------------------|------------------|
| Sliding surface   | $\leq 2,5 \mu m$ | $0,05-0,3 \mu m$ |
| 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**  
Minimum nominal inside diameter  
 $d \geq 11 \text{ mm}$ .

This is not a standard profile and serves as a replacement for an existing installation space. New constructions should use standard profiles.

### application



*not bolded symbols; please consult our technical for application limitations*

## operating parameters & material

diameter range: up to 600 mm

| material                 | temperature        | max. surface speed | hydrolysis | dry running | wear resistance |
|--------------------------|--------------------|--------------------|------------|-------------|-----------------|
| ECOPUR                   | -30 °C ... +110 °C | 4 m/s              | -          | +           | ++              |
| H-ECOPUR                 | -20 °C ... +110 °C | 4 m/s              | ++         | +           | ++              |
| T-ECOPUR                 | -50 °C ... +110 °C | 4 m/s              | -          | +           | ++              |
| S-ECOPUR                 | -20 °C ... +110 °C | 5 m/s              | ++         | ++          | ++              |
| G-ECOPUR                 | -30 °C ... +110 °C | 4 m/s              | ++         | +           | ++              |
| Ecorubber 1              | -30 °C ... +100 °C | 4 m/s              | -          | -           | O               |
| Ecorubber 2              | -20 °C ... +200 °C | 4 m/s              | -          | -           | O               |
| Ecorubber 3 <sup>2</sup> | -50 °C ... +150 °C | 4 m/s              | ++         | -           | O               |
| Ecorubber H              | -25 °C ... +150 °C | 4 m/s              | +          | O           | +               |
| X-ECOPUR                 | -30 °C ... +110 °C | 4 m/s              |            |             |                 |
| XH-ECOPUR                | -20 °C ... +110 °C | 4 m/s              |            |             |                 |
| XS-ECOPUR                | -20 °C ... +110 °C | 5 m/s              |            |             |                 |

the stated operation conditions represent general indications. it is recommended not to use all maximum values simultaneously. surface speed limits apply only to the presence of adequate lubrication film.

<sup>2</sup> attention: not suitable for mineral oils!

++ ... particularly suitable

o ... conditional suitable

+ ... suitable

- ... not suitable

for detailed information regarding chemical resistance please refer to our "list of resistance". for increased chemical and thermal resistance rubber materials are to be preferred, polyurethan materials increase wear resistance.

## surface quality

| surface roughness | Rtmax (µm)             | Ra (µm) |
|-------------------|------------------------|---------|
| sliding surface   | according to seal data |         |
| bottom of groove  | ≤6,3                   | ≤1,6    |
| groove face       | ≤15                    | ≤3      |

## tolerance recommendation

| seal housing tolerances |                        |
|-------------------------|------------------------|
| d                       | according to seal data |
| D1                      | H11                    |
| D                       | H10                    |

## mode of installation

the prerequisites for perfect functioning are careful fitting and an accurately dimensioned mounting space. the retaining collar should be pressed by approx. 1 to 2% if possible. corresponding limit stops are to be provided. profiles with smaller cross-section may also be snapped into place.