# Labyrinth Metal Seal
# Type L

## L 25 X 37 X 10

## Item number 301185

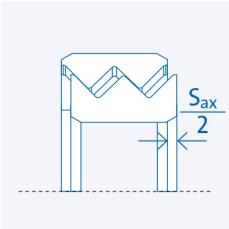
## Technical data

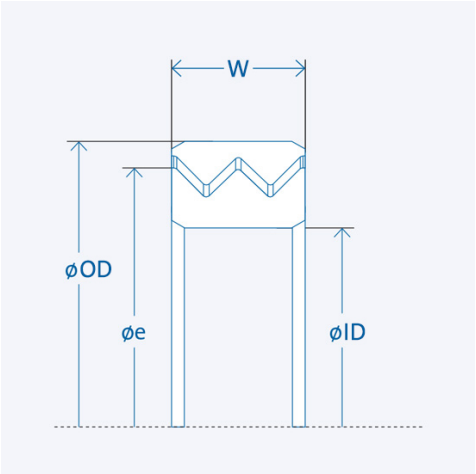
| | |
|---|---|
| Outer ring material*: | Aluminum (GD AlSi 12) |
| Inner ring material: | Unalloyed construction steel |
| Inner diameter ID: | 25 mm |
| Outer diameter OD: | 37 mm |
| Installed width W: | 10 mm |
| Sealing gap: | Horizontal |
| Axial play $S_{ax}$**: | 0.38 mm |
| Radial play $S_{rad}$**: | $S_{rad} = S_{ax}$ /tan (42,5°) |
| Gap diameter e: | 34 mm |
| Gap height: | Constant 0,2– 0,5 mm (depending upon size) |
| Speed limit: | 50500 rpm |
| Weight: | 0.0283 kg |
| Operating temperature t: | -40° - 200°C |

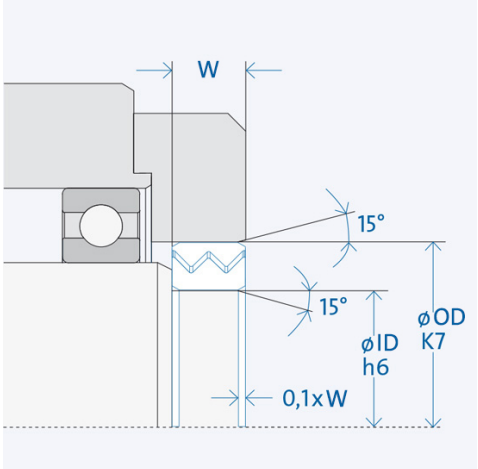
*Aluminum outer ring
The aluminum outer ring can be slightly non-round as supplied. By pressing in the seal, the relatively easily deformable ring fits the roundness of the hub.
The outer ring can be up to 0.1 mm wider than the inner ring due to manufacturing. GMN metal labyrinth seals are pressed through a calibration ring (‘zero dimension’). The outer ring then springs back due to its elasticity.

**Entire movability from one end position to the other.

Axial play:




## Installation

“l” Length (chamfering of shaft and housing) depending on the width W: l = 0,1 x B

## Component tolerances

Surrounding structure (mating parts)

Housing: K7 / Shaft: h6
Surface quality: Rz ≤ 16 µm; Ra ≤ 3,2 µm