

RENK Hannover has advanced the design of the floating labyrinth seals, used mainly with E-type slide bearings. By retaining the compatibility with the already known floating labyrinth seals, the following characteristics have been optimized:

- Improved oil return by means of a slot in the bottom half of the seal, inclined at 7.5°
- Improved exterior design by making best use of the material available in order to better guide the lubricant around the shaft as well as to ensure the mobility of the seal in the housing or seal carrier respectively

The coding of the new type of floating labyrinth seals has also changed as in the example below: *(Example for coding of a floating labyrinth seal \varnothing 200 with improved oil return)*

Floating labyrinth seal 200 – R



The material of the floating labyrinth seals has been changed from polyamidimid (PAI) to polyetheretherketone (PEEK). The new material offers higher form stability and improved sliding properties

The change to this new material for all seal sizes will be done in accordance with remaining stock and availability of new machining tools.