



SLOVENSKI STANDARD
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**Fluidna tehnika - Ustnične gredne tesnilke s termoplastičnimi tesnilnimi elementi -
5. del: Prepoznavanje vidnih nepravilnosti**

Rotary shaft lip-type seals incorporating thermoplastic sealing elements - Part 5:
Identification of visual imperfections

Bagues d'étanchéité à lèvres pour arbres tournants incorporant des éléments
d'étanchéité thermoplastiques - Partie 5: Identification des imperfections visuelles

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23.100.60	Filtri, tesnila in onesnaževanje tekočin	Filters, seals and contamination of fluids
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Second edition
2011-04-15

**Rotary shaft lip-type seals incorporating
thermoplastic sealing elements —**

**Part 5:
Identification of visual imperfections**

*Bagues d'étanchéité à lèvres pour arbres tournants incorporant des
éléments d'étanchéité thermoplastiques —*

Partie 5: Identification des imperfections visuelles



Reference number
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ISO 16589-5:2011(E)**Foreword**

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 16589-5 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 7, *Sealing devices*.

This second edition cancels and replaces the first edition (ISO 16589-5:2001), which has been technically revised.

ISO 16589 consists of the following parts, under the general title *Rotary shaft lip-type seals incorporating thermoplastic sealing elements*:

- *Part 1: Nominal dimensions and tolerances*
- *Part 2: Vocabulary*
- *Part 3: Storage, handling and installation*
- *Part 4: Performance test procedures*
- *Part 5: Identification of visual imperfections*

Introduction

Rotary shaft lip-type seals are used to retain fluid in equipment where the differential pressure is relatively low. Typically, the shaft rotates and the housing is stationary, although in some applications the shaft is stationary and the housing rotates.

Dynamic sealing is normally the result of a designed interference fit between the shaft and a flexible element incorporated in the seal.

Similarly, a designed interference fit between the outside diameter of the seal and the diameter of the housing bore retains the seal and prevents static leakage.

Careful storage and handling and proper installation of all seals are necessary to avoid hazards, both prior to and during installation, which would adversely affect service life.

