



**SLOVENSKI STANDARD**  
**SIST EN ISO 16610-40:2015**  
**01-september-2015**

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**Specifikacija geometrijskih veličin izdelka (GPS) - Filtriranje - 40. del: Morfološki profilni filtri: osnovni pojmi (ISO 16610-40:2015)**

Geometrical product specifications (GPS) - Filtration - Part 40: Morphological profile filters: Basic concepts (ISO 16610-40:2015)

Geometrische Produktspezifikation (GPS) - Filterung - Teil 40: Morphologische Profilter: Grundlegende Konzepte (ISO 16610-40:2015)

Spécification géométrique des produits (GPS) - Filtrage - Partie 40: Filtres de profil morphologiques: Concepts de base (ISO 16610-40:2015)

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**Ta slovenski standard je istoveten z: EN ISO 16610-40:2015**

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**ICS:**

17.040.20      Lastnosti površin      Properties of surfaces

**SIST EN ISO 16610-40:2015**      **en,fr,de**

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EUROPEAN STANDARD

EN ISO 16610-40

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 17.040.20

English Version

## Geometrical product specifications (GPS) - Filtration - Part 40: Morphological profile filters: Basic concepts (ISO 16610- 40:2015)

Spécification géométrique des produits (GPS) - Filtrage -  
Partie 40: Filtres de profil morphologiques: Concepts de  
base (ISO 16610-40:2015)

Geometrische Produktspezifikation (GPS) - Filterung - Teil  
40: Morphologische Profilfilter: Grundlegende Konzepte  
(ISO 16610-40:2015)

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## Foreword

This document (EN ISO 16610-40:2015) has been prepared by Technical Committee ISO/TC 213 "Dimensional and geometrical product specifications and verification" in collaboration with Technical Committee CEN/TC 290 "Dimensional and geometrical product specification and verification" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2015, and conflicting national standards shall be withdrawn at the latest by December 2015.

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 16610-40:2015 has been approved by CEN as EN ISO 16610-40:2015 without any modification.

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ISO  
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2015-06-01

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**Geometrical product specifications  
(GPS) — Filtration —**

Part 40:  
**Morphological profile filters: Basic  
concepts**

**iTeh STANDARD PREVIEW**  
*Spécification géométrique des produits (GPS) — Filtrage —  
Partie 40: Filtres de profil morphologiques: Concepts de base*  
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## ISO 16610-40:2015(E)

### Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](http://www.iso.org/foreword)

The committee responsible for this document is ISO/TC 213, *Dimensional and geometrical product specifications and verification*.

This first edition of ISO 16610-40 cancels and replaces ISO/TS 16610-40:2006 which has been technically revised.

ISO 16610 consists of the following parts, under the general title *Geometrical product specifications (GPS) — Filtration*:

- Part 1: Overview and basic concepts
- Part 20: Linear profile filters: Basic concepts
- Part 21: Linear profile filters: Gaussian filters
- Part 22: Linear profile filters: Spline filters
- Part 28: Profile filters: End effects
- Part 29: Linear profile filters: Spline wavelets
- Part 30: Robust profile filters: Basic concepts
- Part 31: Robust profile filters: Gaussian regression filters
- Part 32: Robust profile filters: Spline filters
- Part 40: Morphological profile filters: Basic concepts
- Part 41: Morphological profile filters: Disk and horizontal line-segment filters
- Part 49: Morphological profile filters: Scale space techniques
- Part 60: Linear areal filters: Basic concepts

- *Part 61: Linear areal filters: Gaussian filters*
- *Part 71: Robust areal filters: Gaussian regression filters*
- *Part 85: Morphological areal filters: Segmentation*

The following parts are planned:

- *Part 26: Linear profile filters: Filtration on nominally orthogonal grid planar data sets*
- *Part 27: Linear profile filters: Filtration on nominally orthogonal grid cylindrical data sets*
- *Part 45: Morphological profile filters: Segmentation*
- *Part 62: Linear areal filters: Spline filters*
- *Part 69: Linear areal filters: Spline wavelets*
- *Part 70: Robust areal filters: Basic concepts*
- *Part 72: Robust areal filters: Spline filters*
- *Part 80: Morphological areal filters: Basic concepts*
- *Part 81: Morphological areal filters: Sphere and horizontal planar segment filters*
- *Part 89: Morphological areal filters: Scale space techniques*

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