

# SLOVENSKI STANDARD

## SIST EN ISO 25178-1:2016

01-julij-2016

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**Specifikacija geometrijskih veličin izdelka (GPS) - Tekstura površine: ravna - 1.  
del: Označevanje površinskih tekstur (ISO 25178-1:2016)**

Geometrical product specifications (GPS) - Surface texture:Areal - Part 1: Indication of surface texture (ISO 25178-1:2016)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 1: Eintragung von Oberflächenbeschaffenheit (ISO 25178-1:2016)

Spécification géométrique des produits (GPS) - État de surface: Surfacique - Partie 1: Indication des états de surface (ISO 25178-1:2016)

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**Ta slovenski standard je istoveten z: EN ISO 25178-1:2016**

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**ICS:**

17.040.20	Lastnosti površin	Properties of surfaces
17.040.40	Specifikacija geometrijskih veličin izdelka (GPS)	Geometrical Product Specification (GPS)

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EUROPEAN STANDARD

EN ISO 25178-1

NORME EUROPÉENNE

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English Version

## Geometrical product specifications (GPS) - Surface texture: Areal - Part 1: Indication of surface texture (ISO 25178- 1:2016)

Spécification géométrique des produits (GPS) - État de surface: Surfamique - Partie 1: Indication des états de surface (ISO 25178-1:2016)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 1: Eintragung von Oberflächenbeschaffenheit (ISO 25178-1:2016)

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## European foreword

This document (EN ISO 25178-1:2016) 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of an identical text or by endorsement, at the latest by October 2016, and conflicting national standards shall be withdrawn at the latest by October 2016.

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.

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INTERNATIONAL  
STANDARD

ISO  
25178-1

First edition  
2016-04-15

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**Geometrical product specifications  
(GPS) — Surface texture: Areal —**

**Part 1:  
Indication of surface texture**

*Spécification géométrique des produits (GPS) — État de surface:  
Surfacique —*

**iTeh STANDARD PREVIEW**  
*Partie 1: Indication des états de surface*  
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## ISO 25178-1:2016(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. [www.iso.org/directives](http://www.iso.org/directives)

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement. The committee responsible for this document is ISO/TC 213, *Dimensional and geometrical product specifications and verification*.

This document was prepared by Technical Committee ISO/TC 213, *Dimensional and geometrical product specifications and verification*.

ISO 25178 consists of the following parts, under the general title *Geometrical product specifications (GPS) — Surface texture: Areal*:

- Part 1: Indication of surface texture
- Part 2: Terms, definitions and surface texture parameters
- Part 3: Specification operators
- Part 6: Classification of methods for measuring surface texture
- Part 70: Physical measurement standards
- Part 71: Software measurement standards
- Part 72: XML file format x3p
- Part 601: Nominal characteristics of contact (stylus) instruments
- Part 602: Nominal characteristics of non-contact (confocal chromatic probe) instruments
- Part 603: Nominal characteristics of non-contact (phase shifting interferometric microscopy) instruments
- Part 604: Nominal characteristics of non-contact (coherence scanning interferometry) instruments
- Part 605: Nominal characteristics of non-contact (point autofocus probe) instruments
- Part 606: Nominal characteristics of non-contact (focus variation) instruments
- Part 701: Calibration and measurement standards for contact (stylus) instruments

The following parts are planned:

- Part 4: Comparison rules

- *Part 5: Verification operators*
- *Part 600: Metrological characteristics for areal-topography measuring methods* <sup>1)</sup>
- *Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments*
- *Part 700: Calibration and verification of metrological characteristics of areal-topography measuring instruments*

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1) Part 600 is intended to contain provisions that are in common with the other 600-level parts of ISO 25178. Once Part 600 has been submitted as a Final Draft International Standard, provisions of the other 600-level parts that are then redundant with provisions of Part 600 will be removed from them.

## ISO 25178-1:2016(E)

### Introduction

This part of the ISO 25178- series standards is a geometrical product specification standard and is to be regarded as a general GPS standard (see ISO 14638). It influences the chain link A of the chains of standards on areal surface texture.

The ISO GPS Masterplan given in ISO 14638 gives an overview of the ISO GPS system of which this document is a part. The fundamental rules of ISO GPS given in ISO 8015 apply to this document. The default decision rules given in ISO 14253-1 apply to specifications made in accordance with this document, unless otherwise stated.

For more detailed information of the relation of this standard to the GPS matrix model, see [Annex F](#).

This part of ISO 25178 covers the indication of areal surface texture

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