

SLOVENSKI STANDARD SIST EN ISO 25178-601:2010

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Specifikacija geometrijskih veličin izdelka - Tekstura površine: ploskovna - 601. del: Imenske značilnosti kontaktnih (s tipalom) instrumentov (ISO 25178-601:2010)

Geometrical product specifications (GPS) - Surface texture: Areal - Part 601: Nominal characteristics of contact (stylus) instruments (ISO 25178-601:2010)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 601: Merkmale von berührend messenden Geräten (mit/Taster) (ISO 25178-601:2010)

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Spécification géométrique des produits (GPS). État de surface: surfacique - Partie 601: Caractéristiques nominales des instruments de mesure par contact (instruments à stylet) (ISO 25178-601:2010) 837dacebcc62/sist-en-iso-25178-601-2010

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17.040.20 Lastnosti površin Properties of surfaces

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EUROPEAN STANDARD

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English Version

Geometrical product specifications (GPS) - Surface texture: Areal - Part 601: Nominal characteristics of contact (stylus) instruments (ISO 25178-601:2010)

Spécification géométrique des produits (GPS) - État de surface: Surfacique - Partie 601: Caractéristiques nominales des instruments à contact (à palpeur) (ISO 25178-601:2010)

Geometrische Produktspezifikation (GPS) -Oberflächenbeschaffenheit: Flächenhaft - Teil 601: Merkmale von berührend messenden Geräten (mit Taster) (ISO 25178-601:2010)

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Foreword

This document (EN ISO 25178-601:2010) 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.

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INTERNATIONAL STANDARD

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

Part 601:

Nominal characteristics of contact (stylus) instruments

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

Strartie 601: Caractéristiques nominales des instruments à contact (à palpeur)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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ISO 25178-601 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: (standards.iteh.ai)

- Part 2: Terms, definitions and surface texture parameters
- Part 3: Specification operators // Standards.iteh.ai/catalog/standards/sist/b8f5baba-76d6-4853-8205-837dacebcc62/sist-en-iso-25178-601-2010
- Part 6: Classification of methods for measuring surface texture
- Part 7: Software measurement standards
- 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 701: Calibration and measurement standards for contact (stylus) instruments

The following parts are under preparation:

- Part 604: Nominal characteristics of non-contact (coherence scanning interferometry) instruments
- Part 605: Nominal characteristics of non-contact (point autofocusing) instruments

Introduction

This part of ISO 25178 is a geometrical product specification standard and is to be regarded as a general GPS standard (see ISO/TR 14638). It influences chain link 5 of the chain of standards on roughness profile, waviness profile, primary profile and areal surface texture.

For more detailed information of the relation of this standard to the GPS matrix model, see Annex C.

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