



SLOVENSKI STANDARD SIST EN ISO 25178-605:2025

01-maj-2025

Specifikacija geometrijskih veličin izdelka (GPS) - Tekstura površine: ploskovna - 605. del: Konstrukcije in značilnosti brezkontaktnih (točka avtofokusne sonde) instrumentov (ISO 25178-605:2025)

Geometrical product specifications (GPS) - Surface texture: Areal - Part 605: Design and characteristics of non-contact (point autofocus probe) instruments (ISO 25178-605:2025)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 605: Aufbau und Merkmale von berührungslos messenden Geräten (Punkt-Autofokus-Sensor) (ISO 25178-605:2025)

Spécification géométrique des produits (GPS) - État de surface: Surfacique - Partie 605: Conception et caractéristiques des instruments sans contact (capteur autofocus à point) (ISO 25178-605:2025)

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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)

SIST EN ISO 25178-605:2025

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 25178-605

February 2025

ICS 17.040.20

Supersedes EN ISO 25178-605:2014

English Version

**Geometrical product specifications (GPS) - Surface texture:
Areal - Part 605: Design and characteristics of non-contact
(point autofocus probe) instruments (ISO 25178-
605:2025)**

Spécification géométrique des produits (GPS) - État de surface: Surfacique - Partie 605: Conception et caractéristiques des instruments sans contact (capteur autofocus à point) (ISO 25178-605:2025)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 605: Aufbau und Merkmale von berührungslos messenden Geräten (Punkt-Autofokus-Sensor) (ISO 25178-605:2025)

This European Standard was approved by CEN on 21 February 2025.

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 25178-605:2025) 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 August 2025, and conflicting national standards shall be withdrawn at the latest by August 2025.

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

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Endorsement notice

The text of ISO 25178-605:2025 has been approved by CEN as EN ISO 25178-605:2025 without any modification.



**International
Standard**

ISO 25178-605

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

Part 605:

**Design and characteristics of non-
contact (point autofocus probe)
instruments**

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

*Partie 605: Conception et caractéristiques des instruments sans
contact (capteur autofocus à point)*

**Second edition
2025-02**

ISO 25178-605:2025(en)

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ISO 25178-605:2025(en)**Foreword**

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This document was prepared by Technical Committee ISO/TC 213, *Dimensional and geometrical product specifications and verification*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 290, *Dimensional and geometrical product specification and verification*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 25178-605:2014), which has been technically revised.

The main changes are as follows:

- removal of the terms and definitions now specified in ISO 25178-600;
- revision of all terms and definitions for clarity and consistency with other ISO standards documents;
- addition of [Clause 4](#) for instrument requirements, which summarizes normative features and characteristics;
- addition of [Clause 5](#) on metrological characteristics;
- addition of [Clause 6](#) on design features, which clarifies the types of instruments relevant to this document;
- addition of an information flow concept diagram in [Clause 4](#);
- revision of [Annex A](#) describing the principles of instruments addressed by this document;
- addition of [Annex B](#) on metrological characteristics and influence quantities; replacement of the normative table of influence quantities with an informative description of common error sources and how these relate the metrological characteristics in ISO 25178-600.

A list of all parts in the ISO 25178 series can be found on the ISO website.

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