



SLOVENSKI STANDARD
SIST EN ISO 18183-3:2024

01-april-2024

Specifikacija geometrijskih veličin izdelka (GPS) - Razdelitev - 3. del: Metode za specifikacijo in preverjanje (ISO 18183-3:2024)

Geometrical product specifications (GPS) - Partition - Part 3: Methods used for specification and verification (ISO 18183-3:2024)

Geometrische Produktspezifikation (GPS) - Partition - Teil 3: Verfahren für die Spezifikation und Verifikation (ISO 18183-3:2024)

Spécification géométrique des produits (GPS) - Partition - Partie 3: Méthodes utilisées pour la spécification et la vérification (ISO 18183-3:2024)

Ta slovenski standard je istoveten z: EN ISO 18183-3:2024

[SIST EN ISO 18183-3:2024](https://standards.slovenski-standard.si/standards/sist/712/11167/1042-1162-0130-00070455410/sist-en-iso-18183-3-2024)

ICS:

17.040.40	Specifikacija geometrijskih veličin izdelka (GPS)	Geometrical Product Specification (GPS)
-----------	---	---

SIST EN ISO 18183-3:2024

en,fr,de

EUROPEAN STANDARD

EN ISO 18183-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2024

ICS 17.040.40

English Version

Geometrical product specifications (GPS) - Partition - Part 3: Methods used for specification and verification (ISO 18183-3:2024)

Spécification géométrique des produits (GPS) -
Partition - Partie 3: Méthodes utilisées pour la
spécification et la vérification (ISO 18183-3:2024)

Geometrische Produktspezifikation (GPS) - Partition -
Teil 3: Verfahren für die Spezifikation und Verifikation
(ISO 18183-3:2024)

This European Standard was approved by CEN on 20 January 2024.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

SIST EN ISO 18183-3:2024

<https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024>



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN ISO 18183-3:2024](https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024)

<https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024>

European foreword

This document (EN ISO 18183-3:2024) 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 2024, and conflicting national standards shall be withdrawn at the latest by August 2024.

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.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 18183-3:2024 has been approved by CEN as EN ISO 18183-3:2024 without any modification.

[SIST EN ISO 18183-3:2024](https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024)

<https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024>



**International
Standard**

ISO 18183-3

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

**Part 3:
Methods used for specification and
verification**

Spécification géométrique des produits (GPS) — Partition —

Partie 3: Méthodes utilisées pour la spécification et la vérification

**First edition
2024-02**

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN ISO 18183-3:2024](https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024)

<https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024>

ISO 18183-3:2024(en)

iTeh Standards (<https://standards.iteh.ai>) Document Preview

[SIST EN ISO 18183-3:2024](https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024)

<https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

© ISO 2024 – All rights reserved

ISO 18183-3:2024(en)**Contents**

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Default partition	1
4.1 General.....	1
4.2 Default partition for surfaces.....	2
4.3 Default partition for lines.....	3
5 Explicit partition	5
Annex A (informative) Additional information about curvature	7
Annex B (informative) Implementations for the default partition	11
Annex C (informative) Relationship to the GPS matrix model	19
Bibliography	20

iTeh Standards
 (<https://standards.iteh.ai>)
 Document Preview

[SIST EN ISO 18183-3:2024](https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024)

<https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024>

ISO 18183-3:2024(en)

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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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).

A list of all parts in the ISO 18183 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

<https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024>

ISO 18183-3:2024(en)

Introduction

This document is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO 14638). It influences chain links B, C and E of the chains of standards on size, distance, form, orientation, location and run-out in the GPS matrix model.

The ISO GPS matrix model 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 and the default decision rules given in ISO 14253-1 apply to specifications made in accordance with this document, unless otherwise indicated.

For more detailed information on the relation of this document to other standards and the GPS matrix model, see [Annex C](#).

This document develops the concepts and methods for default partition of the skin model (in specification) and the sampled surface model (in verification) along with ISO 18183-1¹⁾ and ISO 18183-2.

iTeh Standards (<https://standards.iteh.ai>) Document Preview

[SIST EN ISO 18183-3:2024](#)

<https://standards.iteh.ai/catalog/standards/sist/7f2444e7-40ac-4fc2-b13c-bb076433511c/sist-en-iso-18183-3-2024>

1) Under preparation. Stage at the time of publication: ISO/FDIS 18183-1:2023.