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**Specifikacija geometrijskih veličin izdelka (GPS) - Oprema za merjenje dimenzij - 2.  
del: Referenčne mere diskov (ISO 1938-2:2017)**

Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 2:  
Reference disk gauges (ISO 1938-2:2017)

Geometrische Produktspezifikation (GPS) - Längenprüftechnik - Teil 2: Prüflehren für  
Rachenlehren (ISO 1938-2:2017)

Spécification géométrique des produits (GPS) - Équipement de mesurage dimensionnel -  
Partie 2: Calibres de référence (ISO 1938-2:2017)

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**Ta slovenski standard je istoveten z: EN ISO 1938-2:2017**

**ICS:**

17.040.30	Merila	Measuring instruments
17.040.40	Specifikacija geometrijskih veličin izdelka (GPS)	Geometrical Product Specification (GPS)

**SIST EN ISO 1938-2:2017****en,fr,de**

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EUROPEAN STANDARD

EN ISO 1938-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2017

ICS 17.040.10; 17.040.30; 17.040.40

English Version

## Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 2: Reference disk gauges (ISO 1938-2:2017)

Spécification géométrique des produits (GPS) -  
Équipement de mesure dimensionnel - Partie 2:  
Disques de référence pour calibres (ISO 1938-2:2017)

Geometrische Produktspezifikation (GPS) -  
Längenprüftechnik - Teil 2: Prüflinien für  
Rachenlehren (ISO 1938-2:2017)

This European Standard was approved by CEN on 1 January 2017.

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

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## European foreword

This document (EN ISO 1938-2:2017) 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of an identical text or by endorsement, at the latest by August 2017 and conflicting national standards shall be withdrawn at the latest by August 2017.

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INTERNATIONAL  
STANDARD

ISO  
1938-2

First edition  
2017-01

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**Geometrical product specifications  
(GPS) — Dimensional measuring  
equipment —**

**Part 2:  
Reference disk gauges**

*Spécification géométrique des produits (GPS) — Équipement de  
mesurage dimensionnel —  
Partie 2: Disques de référence pour calibres*

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Reference number  
ISO 1938-2:2017(E)

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## ISO 1938-2:2017(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)).

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

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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: <http://www.iso.org/iso/foreword.html>.

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

A list of all parts in the ISO 1938 series can be found on the ISO website.

This document does not include requirements for setting plug gauges and setting ring gauges, which were dealt with in ISO/R 1938:1971, 3.9.4.

This document covers the concepts and principles developed in ISO 14978.

## 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 links F and G of the size chain of standards in the general GPS matrix. For more detailed information on the relation of this document to other standards and the GPS matrix model, see [Annex B](#).

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.

The terms and concepts used in this document (compared to ISO/R 1938:1971) have been changed according to needs and terminology in the other GPS standards.

This document deals with reference disk gauges. The use of reference disk gauges is explained in [Annex A](#).

NOTE The content of [Table 2](#) uses the modifiers given in ISO 14405-1 and ISO 1101.

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