



SLOVENSKI STANDARD

SIST EN ISO 3040:2016

01-julij-2016

Nadomešča:
SIST EN ISO 3040:2012

Specifikacija geometrijskih veličin izdelka (GPS) - Dimenzioniranje in toleriranje - Konusi (ISO 3040:2016)

Geometrical product specifications (GPS) - Dimensioning and tolerancing - Cones (ISO 3040:2016)

Geometrische Produktspezifikation (GPS) - Maßeintragung und Toleranzfestlegung - Kegel (ISO 3040:2016)

Spécification géométrique des produits (GPS) - Cotation et tolérancement - Cônes (ISO 3040:2016)

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Ta slovenski standard je istoveten z: EN ISO 3040:2016

ICS:

01.100.20	Konstruktivske risbe	Mechanical engineering drawings
17.040.10	Tolerance in ujemi	Limits and fits
17.040.40	Specifikacija geometrijskih veličin izdelka (GPS)	Geometrical Product Specification (GPS)

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en

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EUROPEAN STANDARD

EN ISO 3040

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2016

ICS 17.040.30

Supersedes EN ISO 3040:2012

English Version

Geometrical product specifications (GPS) - Dimensioning and tolerancing - Cones (ISO 3040:2016)

Spécification géométrique des produits (GPS) -
Cotation et tolérancement - Cônes (ISO 3040:2016)

Geometrische Produktspezifikation (GPS) -
Maßeintragung und Toleranzfestlegung - Kegel (ISO
3040:2016)

This European Standard was approved by CEN on 1 November 2015.

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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.

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

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

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European foreword

This document (EN ISO 3040:2016) 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 November 2016, and conflicting national standards shall be withdrawn at the latest by November 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.

This document supersedes EN ISO 3040:2012.

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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Endorsement notice

The text of ISO 3040:2016 has been approved by CEN as EN ISO 3040:2016 without any modification.

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INTERNATIONAL
STANDARD

ISO
3040

Fourth edition
2016-05-01

**Geometrical product specifications
(GPS) — Dimensioning and
tolerancing — Cones**

*Spécification géométrique des produits (GPS) — Cotation et
tolérancement — Cônes*

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ISO 3040:2016(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 (see 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).

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: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 213, *Dimensional and geometrical product specifications and verification*.

This fourth edition cancels and replaces the third edition (ISO 3040:2009), which has been technically revised:

- [Clause 6](#) on the tolerancing of cones has been revised;
- [Annex A](#) on former practice from ISO 3040:1990 has been deleted;
- a new informative [Annex A](#) with examples has been added.

Introduction

This International Standard is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO 14638), applicable to a conical feature. It influences chain links A and B of the chain of standards on size, form, orientation, location and run-out.

For more detailed information about the relationship of ISO 3040 to other standards and to 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 international standard is a part. The fundamental rules of ISO/GPS given in ISO 8015 apply to this international standard and the default decision rules given in ISO 14253-1 apply to specifications made in accordance with this international standard, unless otherwise indicated.

In this International Standard, the figures illustrate the text only and should not be considered as design examples. For this reason, the figures are simplified and are not to scale.

No indications from the previous edition (ISO 3040:2009) have been made obsolete by this edition. Therefore, there is no 'former practice'.

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