SLOVENSKI STANDARD
SIST EN ISO 18391:2017

01-januar-2017

Specifikacija geometrijskih veličin izdelka (GPS) - Populacijska specifikacija (ISO 18391:2016)

Geometrical product specification (GPS) - Population specification (ISO 18391:2016)

Geometrische Produktspezifikation (GPS) - Populationsspezifikation (ISO 18391:2016)

Spécification géométrique des produits - Spécification de population (ISO 18391:2016)

Ta slovenski standard je istoveten z: **EN ISO 18391:2016**

ICS:

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

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EUROPEAN STANDARD

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English Version

Geometrical product specifications (GPS) - Population specification (ISO 18391:2016)

Spécification géométrique des produits (GPS) - Spécification de population (ISO 18391:2016)

Geometrische Produktspezifikation (GPS) - Populationsspezifikation (ISO 18391:2016)

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

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European foreword

This document (EN ISO 18391:2016) 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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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Endorsement notice

The text of ISO 18391:2016 has been approved by CEN as EN ISO 18391:2016 without any modification.

INTERNATIONAL STANDARD

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Geometrical product specifications (GPS) — Population specification

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Foreword

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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. www.iso.org/directives

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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 WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword - Supplementary information

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

Introduction

This International Standard is a Geometrical Product Specification (GPS) standard and is to be regarded as a global GPS standard (see ISO 14638). It influences all chain links of all chains of standards.

The ISO/GPS Masterplan 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 relationship of this International standard to other standards and to the GPS matrix model, see Annex A.

In order to define the permissible interval for a geometrical characteristic, the designer only defines a condition (a unilateral tolerance limit or a bilateral pair of tolerance limits) for each workpiece, by considering the worst case impact in an assembly.

But when the tolerancing is based on a set of hypotheses about the population of the workpieces, one or more additional requirements should be added to verify these hypotheses.

NOTE The intent of this International Standard is not to define calculation methods to determine tolerances, but to give the means to express the hypotheses to verify.