

**Toote geomeetrilised spetsifikatsioonid (GPS). Alused.
Käsitlusviisid, põhimõtted ja reeglid**

Geometrical product specifications (GPS) - Fundamentals -
Concepts, principles and rules (ISO 8015:2011)

EESTI STANDARDI EESSÕNA

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ISO GPS süsteem, spetsifikatsioon, toote geomeetriline spetsifikatsioon

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English Version

Geometrical product specifications (GPS) - Fundamentals - Concepts, principles and rules (ISO 8015:2011)

Spécification géométrique des produits (GPS) - Principes
fondamentaux - Concepts, principes et règles (ISO
8015:2011)

Geometrische Produktspezifikation (GPS) - Grundlagen -
Konzepte, Prinzipien und Regeln (ISO 8015:2011)

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Foreword

This document (EN ISO 8015:2011) 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of an identical text or by endorsement, at the latest by December 2011, and conflicting national standards shall be withdrawn at the latest by December 2011.

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Contents

Page

Foreword	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions	1
4 Fundamental assumptions for the reading of specifications on drawings.....	2
4.1 General	2
4.2 Functional limits	2
4.3 Tolerance limits	2
4.4 Workpiece functional level	2
5 Fundamental principles.....	2
5.1 Invocation principle.....	2
5.2 Principle of GPS standard hierarchy.....	3
5.3 Definitive drawing principle	3
5.4 Feature principle.....	4
5.5 Independency principle	4
5.6 Decimal principle.....	4
5.7 Default principle	4
5.8 Reference condition principle.....	5
5.9 Rigid workpiece principle	5
5.10 Duality principle.....	5
5.11 Functional control principle	5
5.12 General specification principle	6
5.13 Responsibility principle	6
6 Rules for indication of default specification operators.....	6
6.1 General	6
6.2 General ISO default GPS specification	6
6.3 Altered default GPS specification.....	7
7 Rules for indication of special specification operators	8
7.1 General	8
7.2 Added complementary information (requirements) to the ISO basic specification.....	8
8 Rules for statements in parentheses	8
Annex A (informative) Relation to the GPS matrix model.....	9
Bibliography.....	10

Introduction

This International Standard is a geometrical product specification (GPS) standard and is to be regarded as a fundamental GPS standard (see ISO/TR 14638). It influences all other standards in the GPS matrix system, i.e. all global, general and supplementary standards, as well as any other kind of document in the GPS matrix system.

For more detailed information of the relation of this International Standard to other standards and the GPS matrix model, see Annex A.

This International Standard covers a number of fundamental principles that apply to all GPS standards and technical product documentation that is based on the GPS matrix system. Until this current version of this International Standard was published, these principles were implied, but not formulated explicitly.

This International Standard also covers the indication of ISO default specification operators and particularly the indication of non-default specification operators, either by direct indication or by the use of company-specific or drawing-specific defaults.

For the purpose of this International Standard, a concept is considered as an abstract idea, a principle is considered as a standardized truth based on concepts upon which rules are based, and a rule is considered as a standardized procedure (for action).

Geometrical product specifications (GPS) — Fundamentals — Concepts, principles and rules

1 Scope

This International Standard specifies fundamental concepts, principles and rules valid for the creation, interpretation and application of all other International Standards, Technical Specifications and Technical Reports concerning dimensional and geometrical product specifications (GPS) and verification.

This International Standard applies to the interpretation of GPS indications on all types of drawings.

For the purposes of this International Standard, the term “drawing” is to be interpreted in the broadest possible sense, encompassing the total package of documentation specifying the workpiece.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 17450-1:—¹), *Geometrical product specifications (GPS) — General concepts — Part 1: Model for geometrical specification and verification*

ISO 17450-2:—²), *Geometrical product specifications (GPS) — General concepts — Part 2: Basic tenets, specifications, operators and uncertainties*

ISO/IEC Guide 98-3:2008, *Uncertainty of measurement — Guide to the expression of uncertainty in measurement (GUM:1995)*

ISO/IEC Guide 99:2007, *International vocabulary of metrology — Basic and general concepts and associated terms (VIM)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17450-1, ISO 17450-2, ISO/IEC Guide 98-3, ISO/IEC Guide 99 and the following apply.

3.1

ISO GPS system

GPS system

geometrical product specification and verification system developed in ISO by ISO/TC 213

1) To be published. (Revision of ISO/TS 17450-1:2005)

2) To be published. (Revision of ISO/TS 17450-2:2002)