Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 2: Calliper depth gauges; Design and metrological characteristics (ISO 13385-2:2011)

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 13385-2:2011 sisaldab Euroopa standardi EN ISO 13385-2:2011 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 13385-2:2011 consists of the English text of the European standard EN ISO 13385-2:2011.
Standard on kinnitatud Eesti Standardikeskuse 29.07.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 29.07.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.07.2011.	Date of Availability of the European standard text 15.07.2011.
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Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 2: Calliper depth gauges; Design and metrological characteristics (ISO 13385-2:2011)

Spécification géométrique des produits (GPS) - Équipement de mesurage dimensionnel - Partie 2: Jauges de profondeur; caractéristiques de conception et caractéristiques métrologiques (ISO 13385-2:2011)

Geometrische Produktspezifikation (GPS) - Längenmessgeräte - Teil 2: Tiefenmessschieber; Konstruktionsmerkmale und messtechnische Anforderungen (ISO 13385-2:2011)

This European Standard was approved by CEN on 28 April 2011.

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Foreword

This document (EN ISO 13385-2:2011) 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 specifications 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of an identical text or by endorsement, at the latest by January 2012, and conflicting national standards shall be withdrawn at the latest by January 2012.

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Endorsement notice

The text of ISO 13385-2:2011 has been approved by CEN as a EN ISO 13385-2:2011 without any modification.

Contents

Page

Introduction

This part of ISO 13385 is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO/TR 14638). It influences chain link 5 of the chains of standards on size and distance in the general GPS matrix.

The ISO/GPS Masterplan given in ISO/TR 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 part of ISO 13385 to other standards and the GPS matrix model, see Annex E.

Geometrical product specifications (GPS) — Dimensional measuring equipment —

Part 2: Calliper depth gauges; Design and metrological characteristics

1 Scope

This part of ISO 13385 provides the most important design and metrological characteristics of calliper depth gauges:

— with analogue indication: vernier scale or circular scale (dial), and

— with digital indication: digital display.

2 Normative references

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

ISO 14253-1, *Geometrical Product Specifications (GPS) — Inspection by measurement of workpieces and measuring equipment — Part 1: Decision rules for proving conformance or non-conformance with specifications*

ISO 14253-2:2011, *Geometrical product specifications (GPS) — Inspection by measurement of workpieces and measuring equipment — Part 2: Guidance for the estimation of uncertainty in GPS measurement, in calibration of measuring equipment and in product verification*

ISO 14978:2006, *Geometrical product specifications (GPS) — General concepts and requirements for GPS measuring equipment*

IEC 60529, *Degrees of protection by enclosures (IP Code)*

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

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