

Toote geomeetriline kirjeldus ja tehnilised andmed (GPS). Pinnatekstuur: profiilimeetod; kihiliste funktsionaalomadustega pinnad. Osa 2: Kõrgusparameetrite määramine, kasutades materjali lineaarsusteguri graafikut

Geometrical product specifications (GPS) - Surface texture: Profile method; surfaces having stratified functional properties - Part 2: Height characterization using the linear material ratio curve

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 13565-2:1999 sisaldab Euroopa standardi EN ISO 13565-2:1997 ingliskeelset teksti. Käesolev dokument on jõustatud 12.12.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 13565-2:1999 consists of the English text of the European standard EN ISO 13565-2:1997. This document is endorsed on 12.12.1999 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: Standardi ISO 13565 käesolev osa määrab kindlaks hindamisprotsessi parameetrite määramiseks materjali teguri lineaarselt esitatud graafiku alusel (nimetatakse ka Abbott'i graafikuks), mis kirjeldab pinnamaterjali hulga suurenemist profiili kareduse sügavuse suurenemise korral.	Scope:
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ICS 17.040.20

Võtmesõnad: arvutusjuhised, kareduse mõõtmine, määramine, omadused, pinna omadused, pinna seisund, tekstuuri profiilid, toote geomeetriline kirjeldus ja tehnilised andmed

ICS 17.040.20

Descriptors: GPS, surface texture.

English version

Geometrical Product Specifications (GPS)
Surface texture: Profile method

Surfaces having stratified functional properties
Part 2: Height characterization using the linear material ratio curve
(ISO 13565-2 : 1996)

Spécification géométrique des
produits (GPS) – État de surface:
Méthode du profil – Surfaces ayant
des propriétés fonctionnelles diffé-
rentes suivant les niveaux – Partie 2:
Caractérisation des hauteurs par la
courbe de taux de longueur portante
(ISO 13565-2 : 1996)

Geometrische Produktspezifikationen
(GPS) – Oberflächenbeschaffenheit:
Tastschnittverfahren – Oberflächen
mit plateauartigen funktionsrelevanten
Eigenschaften – Teil 2: Beschreibung
der Höhe mittels linearer Darstellung
der Materialanteilkurve
(ISO 13565-2 : 1996)

This European Standard was approved by CEN on 1997-11-02.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 13565-2 : 1996 Geometrical Product Specifications (GPS) – Surface texture: Profile method – Surfaces having stratified functional properties – Part 2: Height characterization using the linear material ratio curve,

which was prepared by ISO/TC 57 'Metrology and properties of surfaces' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 290 'Dimensional and geometrical product specification and verification', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by June 1998 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 13565-2 : 1996 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

Introduction

This part of ISO 13565 is a Geometrical Product Specification (GPS) standard and is to be regarded as a *General GPS standard* (see ISO/TR 14638:1995). It influences chain link 2 of the chain of standards for roughness profile.

For more detailed information of the relation of this part of ISO 13565 to other standards and the GPS matrix model, see annex A.

This part of ISO 13565 defines a set of parameters, based on the linear material ratio curve, to be used for the evaluation of the valley suppressed roughness profile defined in ISO 13565-1. It is based on a three-layer surface model, evaluating the peaks, the core and the valleys separately.

1 Scope

This part of ISO 13565 describes the evaluation process for determining parameters from the linear representation of the material ratio curve (also referred to as the Abbott curve) which describe the increase of the material portion of the surface with increasing depth of the roughness profile. They are intended to aid in assessing the operational behaviour of highly mechanically stressed surfaces.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 13565. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 13565 are encouraged to investigate the possibility of applying the most recent editions of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1302:1992, *Technical drawings — Method of indicating surface texture*.

ISO 4287:1996, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Terms, definitions and surface texture parameters*.

ISO 13565-1:1996, *Geometrical Product Specifications (GPS) — Surface texture: Profile method; Surfaces having stratified functional properties — Part 1: Filtering and general measurement conditions*.

3 Definitions

For the purposes of this part of ISO 13565, the definitions given in ISO 4287:1996, 3.1, and the following definitions apply.