

**Toote geomeetriline kirjeldus ja tehnilised
andmed (GPS). Pinnatekstuuri:
profiilimeetod. Juhised ja tegevusskeemid
pinnatekstuuri hindamiseks**

Geometrical product specifications (GPS) - Surface
texture: Profile method - Rules and procedures for
the assessment of surface texture

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 4288:1999 sisaldab Euroopa standardi EN ISO 4288:1997 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 4288:1999 consists of the English text of the European standard EN ISO 4288:1997. 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: Käesolev rahvusvaheline standard kehtestab reeglid mõõdetud väärtuste võrdlemiseks pinna struktuuriparameetrite korral, arvestades lubatud kõikuvuspiire, mis on kindlaks määratud standardites ISO 4287, ISO 12085, 13565-2 ja ISO 13565-3. Standard esitab ka üldkehtivad juhised alumise kriitilise lainepikkuse valimiseks profiili karedusparameetrite mõõtmisel vastavalt standardile ISO 4287, kasutades nõelkombitsat vastavalt standardile ISO 3274.	Scope:
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ICS 17.040.20

Võtmesõnad: karedus, kareduse mõõtmine, pinna seisund, ülevaatus

ICS 17.040.20

Descriptors: GPS, surface texture, assessment.

English version

Geometrical Product Specifications (GPS)
Surface texture: Profile method

Rules and procedures for the assessment of surface texture
(ISO 4288 : 1996)

Spécification géométrique des
produits (GPS) – État de surface:
Méthode du profil – Règles et procé-
dures pour l'évaluation de l'état de
surface (ISO 4288 : 1996)

Geometrische Produktspezifikationen
(GPS) – Oberflächenbeschaffenheit:
Tastschnittverfahren – Regeln und
Verfahren für die Beurteilung der
Oberflächenbeschaffenheit
(ISO 4288 : 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

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Foreword

International Standard

ISO 4288 : 1996 Geometrical Product Specifications (GPS) – Surface texture: Profile method – Rules and procedures for the assessment of surface texture,

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 May 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 4288 : 1996 was approved by CEN as a European Standard without any modification.

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

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Introduction

This International Standard is a geometrical product specification (GPS) standard and is to be regarded as a general GSP standard (see ISO/TR 14638). It influences the chain links 3 and 4 of the chains of standards for roughness profile and primary profile.

For more detailed information of the relation of this International Standard to other standards and the GPS matrix model see annex B.

The discrimination between periodic and non-periodic profiles is subjective and left to the discretion of the user.

1 Scope

This International Standard specifies the rules for comparison of the measured values with the tolerance limits for surface texture parameters defined in ISO 4287, ISO 12085, ISO 13565-2 and ISO 13565-3.

It also specifies the default rules for selection of cut-off wavelength, λ_c , for measuring roughness profile parameters according to ISO 4287 by using stylus instruments according to ISO 3274.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards 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 3274:1996, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Nominal characteristics of contact (stylus) instruments*.

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

ISO 12085:1996, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Motif 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*.

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*.

ISO 13565-3:—¹⁾, *Geometrical Product Specifications (GPS) — Surface texture: Profile method; surfaces having stratified functional properties — Part 3: Height characterization using the material probability curve*.

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

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 3274, ISO 4287, ISO 12085, ISO 13565-2 and ISO 13565-3 apply.

1) To be published.