

DIN EN ISO 4287



ICS 01.040.17; 17.040.30

Supersedes
DIN EN ISO 4287:2009-11

**Geometrical Product Specifications (GPS) –
Surface texture: Profile method –
Terms, definitions and surface texture parameters (ISO 4287:1997 +
Cor. 1:1998 + Cor. 2:2005 + Amd. 1:2009)
English translation of DIN EN ISO 4287:2010-07**

Geometrische Produktspezifikation (GPS) –
Oberflächenbeschaffenheit: Tastschnittverfahren –
Benennungen, Definitionen und Kenngrößen der Oberflächenbeschaffenheit
(ISO 4287:1997 + Cor. 1:1998 + Cor. 2:2005 + Amd. 1:2009)
Englische Übersetzung von DIN EN ISO 4287:2010-07

Spécification géométrique des produits (GPS) –
État de surface: Méthode du profil –
Termes, définitions et paramètres d'état de surface (ISO 4287:1997 + Cor. 1:1998 +
Cor. 2:2005 + Amd. 1:2009)
Traduction anglaise de DIN EN ISO 4287:2010-07

Document comprises 31 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.



A comma is used as the decimal marker.

National foreword

This standard 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" (Secretariat: AFNOR, France).

The responsible German body involved in its preparation was the *Normenausschuss Technische Grundlagen* (Fundamental Technical Standards Committee), Technical Committee NA 152-03-03 AA *Oberflächen*.

This standard not only contains profile and profile section definitions, but also definitions of a large number of parameters characterizing the vertical and/or horizontal surface profile.

The geometric definitions of all parameters are derived from the primary, roughness and waviness profiles, whether or not they are of significance for the functional description of surfaces in industrial practice and regardless of whether standard measuring conditions exist for these parameters. The use of parameters normally used in practice and for which clearly defined measuring conditions are specified in DIN EN ISO 4288, DIN EN ISO 13565-1 and DIN EN ISO 13565-2 is therefore recommended.

The DIN Standards corresponding to the International Standards referred to in clause 2 are as follows:

ISO 3274:1996	DIN EN ISO 3274:1998-04
ISO 4288:1996	DIN EN ISO 4288:1998-04

A new version of VIM has been published in 2007 and has been adopted as ISO/IEC Guide 99. A German version is available from *Beuth-Verlag GmbH* under ISBN 978-3-410-20070-3.

Amendments

This standard differs from DIN EN ISO 4287:1998-10 as follows:

- a) ISO 4287:1997/Cor. 1:1998, ISO 4287:1997/Cor. 2:2005 and ISO 4287:1997/Amendment A1:2009 have been incorporated.
- b) Amendment 1 defines the peak count number for surface textures determined by the profile method.

Compared with DIN EN ISO 4287:2009-11, the following corrections have been made to the German version only, the English text is not affected:

- c) Some errors in the formulae in subclauses 4.2.2, 4.2.3, 4.2.4, 4.3.1, 4.3.2 and 4.5.1 have been corrected.

Previous editions

DIN 4762-1: 1960-08
DIN 4762-2: 1960-08
DIN 4762: 1952-02, 1989-01
DIN EN ISO 4287: 1998-10, 2009-11

ICS 01.040.17; 17.040.20

English version

**Geometrical Product Specifications (GPS) – Surface texture:
Profile method – Terms, definitions and surface texture
parameters (ISO 4287:1997+Cor. 1:1998+Cor. 2:2005+
Amd. 1:2009)**

Spécification géométrique des produits (GPS) – État de
surface: Méthode du profil – Termes, définitions et
paramètres d'état de surface (ISO 4287:1997+
Cor. 1:1998+Cor. 2:2005+Amd. 1:2009)

Geometrische Produktspezifikation (GPS) –
Oberflächenbeschaffenheit: Tastschnittverfahren –
Benennungen, Definitionen und Kenngrößen der
Oberflächenbeschaffenheit (ISO 4287:1997+Cor. 1:1998+
Cor. 2:2005+Amd. 1:2009)

EN ISO 4287:1998 was approved by CEN on 1998-01-26, Corrigendum AC:2008 on 2008-10-15 and Amendment A1:2009 on 2009-05-27.

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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 Management Centre has the same status as the official versions.

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Contents

Page

Foreword to EN ISO 4287:1998/AC:2008	3
A1 Foreword to EN ISO 4287:1998/A1:2009	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
3.1 General terms	5
3.2 Geometrical parameter terms	9
4 Surface profile parameter definitions	13
4.1 Amplitude parameters (peak and valley)	13
4.2 Amplitude parameters (average of ordinates)	17
4.3 Spacing parameters	18
4.4 Hybrid parameters	19
4.5 Curves and related parameters	19
Annex A (normative) Text equivalents	23
Annex B (informative) Flowchart for surface assessment	24
Annex C (informative) Comparison of basic terms and parameter symbols between ISO 4287-1:1984 and AC ISO 4287:1997 AC	25
Annex D (informative) Relationship to the GPS matrix model	27
D.1 Information about this International Standard and its use	27
D.2 Position in the GPS matrix model	27
D.3 Related International Standards	27
Annex E (informative) Bibliography	29