Geometriske produktspecifikationer (GPS) – Overfladebeskaffenhed: Profilmetode – Flowchart for PSm, RSm, WSm og Pc, Rc, Wc

Geometrical product specifications (GPS) – Surface texture: Profile method – Flowchart for PSm, RSm, WSm and Pc, Rc, Wc

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Danish Standards Association

Göteborg Plads 1
DK-2150 Nordhavn

Tel: +45 39 96 61 01
dansk.standard@ds.dk
www.ds.dk

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Geometrical product specifications (GPS) — Surface texture: Profile method — Flowchart for *PSm*, *RSm*, *WSm* and *Pc*, *Rc*, *Wc*

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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Foreword

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This document was prepared by Technical Committee ISO/TC 213, *Dimensional and geometrical product specifications and verification*.

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Introduction

Feature characterization of rough surfaces is of growing interest in terms of a function-oriented description of technical surfaces. A well-known set of feature parameters is the mean width and mean height of profile elements defined in ISO 4287. Unfortunately, the definition given in ISO 4287 is insufficient for an unambiguous implementation in a high-level programming language. Due to the lack of a flowchart, results given by different software packages are not comparable. The main intention of this document is to provide an unambiguous algorithm for feature parameters PSm, RSm, WSm and Pc, Rc, Wc according to ISO 4287.

The flowchart defined in this document was developed by Seewig and Scott[5] and represents an extension of crossing the line segmentation proposed by Scott[4]. The flowchart is based on new knowledge gathered over the past 10 years.

Geometrical product specifications (GPS) — Surface texture: Profile method — Flowchart for *PSm*, *RSm*, *WSm* and *Pc*, *Rc*, *Wc*

1 Scope

This document provides an unambiguous calculation of parameters *PSm*, *RSm*, *WSm* and *Pc*, *Rc*, *Wc*, as defined in ISO 4287, by means of a flowchart.

2 Normative references

There are no normative references in this document.