

# DIN EN ISO 4287:2010-07 (E)

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)

---

## Contents

Page

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