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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 6062-2009

Replacing GB/T 6062-2002

**Geometrical product specifications (GPS) -- Surface texture:
Profile method -- Nominal characteristic of contact (stylus)
instruments**

产品几何技术规范 (GPS) 表面结构 轮廓法 接触(触针)式仪器的标称特性
(English Translation)

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Foreword

This standard is equivalent to international standards ISO 3274:1996 "Geometrical Product Specifications (GPS) Surface texture Profile method in contact (touch the nominal characteristic needle) type instrument "(in English). The ISO 3274 standard and the technical content. consistent with 1996, only according to GB/T 1.1-Rules 2000, made the following editorial changes.

--- Remove the introduction of international standards;

--- With punctuation "," instead of punctuation "." Nominal This standard replaces GB/T 6062-2002 "Geometrical Product Specifications Surface texture Profile method of contact (stylus) instruments of characteristic".

This standard compared with GB/T 6062-2002 The main changes are as follows.

--- Revised standard covers and original home;

--- An increase of six normative references;

--- Will "change the static load" to "change the static load" and "dynamic measuring force" to "dynamic load", "probe measuring range" change as "probing" and "the instrument's measurement range" to "measuring instrument" and "off rate" to "cut-off wavelength ratio." this standard Annex A, Annex B, Annex C is informative appendix. This standard GPS location system in Appendix C.

The standard dimensions and geometry by the National Technical Committee of Standardization Technical Specification (SAC/TC240) and focal points.

This standard was drafted. the machine Productivity Promotion Center, Harbin Measuring & Cutting Tool Group Co., Ltd., Beijing Science detection measures Research Institute, China Institute of Metrology.

1 Scope

This standard specifies the general outline and structure definitions for measuring contact surface roughness and waviness (stylus) instruments.

The standard also specifies the characteristics of the instrument outline assessment and provide contact (stylus) instruments (meter contour and contour recorder) of Basic technical specifications.

This standard applies to the assessment of the actual profile of stylus instruments, to make the existing national standards can be used to assess the actual profile.

Note 1: The technical data on the contact (stylus) instrument characteristics provided by the manufacturer of the instrument being developed, and will be the future standard calibration method of it is referenced.

standard.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 3505-2009 Geometrical product specifications (GPS) Surface texture Profile method - Terms, definitions and surface texture parameters (ISO 4287:1997, IDT) GB/T 10610-2009 Geometrical product specifications (GPS) Surface texture - Profile method for evaluation of the rules and structure of the side surface Method ISO 4288:1997, IDT) GB/T 18618 Geometrical product specifications (GPS) Surface texture Profile method - Motif parameters (GB/T 18618-2002, eqv ISO 12085:1996) GB/T 18777 Geometrical product specifications (GPS) Surface texture Profile method - Metrological characteristics of phase correct filters (GB/T 18777-2002, eqv ISO 11562:1996) GB/T 18778.1-2002 Geometrical product specifications (GPS) Surface texture Profile method has the characteristics of composite processing Surface - Part 1. Filtering and general measurement conditions (eqv ISO 13565-1:1996) GB/T 18778.2-2003 Geometrical product specifications (GPS) Surface texture Profile method has the characteristics of composite processing Surface Part 2. linear material ratio curve Height characterization (ISO 13565-2:1996, IDT) GB/T 18778.3-2006 Geometrical product specifications (GPS) Surface texture Profile method having stratified surface Part 3. The material probability curve Height characterization (ISO 13565-3:1998, IDT) GB/T 19067.1-2003 Geometrical product specifications (GPS) Surface texture Profile method - Part 1. Physical measurement standard Associate (ISO 5436-1:1996, IDT) GB/Z20308-2006 Geometrical product specifications (GPS) Master Plan

(ISO/T R14638.1995, MOD)

3 Terms and Definitions

The following terms and definitions apply to this standard.

GB/T 6062-2009/ISO 3274:1996