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

GB/T 22520-2008

Dial thickness gauges

厚度指示表

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Quarantine of the People's Republic of China;
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Foreword

The standard proposed by China Machinery Industry Federation. The standard measuring instrument by the National Standardization Technical Committee (SAC/TC132) centralized. This standard is drafted by: Guilin Measuring & Cutting Tool Co., Ltd. Participated in the drafting of this Standard. China Institute of Metrology, Chengdu Tool Research Institute, Chengdu into a tool Limited, Guangxi measuring and testing RESEARCH Study hospital. The main drafters of this standard. Zhao Weirong, Li Qiong, Ming, Jiang Zhigang, Yuan Yongxiu, Lu Rui. Thickness indicator

1 Scope

GB/T 22520-2008 is the Chinese national standard on dial thickness gauges, in the field of metrology and measurement. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 12 November 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2009. Classification: ICS 17.040.30, CCS J42. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the terms and definitions instruction sheet thickness, type and basic parameters, requirements, and other test methods, marking and packaging. This standard applies to the value of indexing/resolution of 0.1mm, 0.01mm, 0.002mm, 0.001mm, not more than the upper limit of the measuring range 30mm thickness indicator.

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 1219-2008 Indicators

GB/T 2423.3-2006 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test (

IEC 60068-2-78.2001, IDT)

GB/T 2423.22-2002 Environmental testing for electric and electronic products Part 2. Test methods - Test N. Temperature change (

IEC 60068-2-14. 1984, IDT)

GB 4208 housing protection (IP Code) (GB 4208-2008, IEC 60529.2001, IDT)

GB/T 17163 dimensional measuring instruments - Basic terminology

GB/T 17164 dimensional measuring instruments - Product terms

GB/T 17626.2-2006 Electromagnetic compatibility - Testing and measurement techniques - Electrostatic discharge immunity test

GB/T 17626.3-2006 Electromagnetic compatibility - Testing and measurement techniques RFEMS test

GB/T 18761-2007 Electronic Digital Indicator

3 Terms and Definitions

GB/T 17163, GB/T 17164 and established in the following terms and definitions apply to this standard.

3.1 For measuring a frame attached to the bow of the indicator measuring probe surface relative linear displacement amount (thickness) pantograph anvils measuring surface by means Table shows readings of measuring instruments; can be equipped with a fork lifting device (or under pressure unit), so that the spindle measured in surface contact with the workpiece table surface measuring anvils surface. Also known as "the thickness of the table" or "thickness gauge."

Note 1. The indicator scale value/resolution of 0.1mm thickness is also known as table; division value/resolution of 0.01mm thickness, also known as dial; Dividing the value/resolution of 0.001mm, 0.002mm, also known as micrometer thickness.

Note 2. The table is called with a pointer indicating pointer instruction sheet thickness, equipped with electronic digital indicator called the Digital thickness indicator.

3.2 Digital thickness indicator can be displayed properly when the value of the maximum

spindle speed.

4 Types and basic parameters

4.1 indicates the type shown in Table 1 to a thickness of 4. Illustration illustration purposes only and does not indicate a detailed structure.

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