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

GB/T 11854-2016

Replacing GB/T 11854-2003

Gauges of 7:24 tapers - Inspection

7:24工具圆锥量规 检验

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 11854-2003 "7/24 tool cone gauge". This standard and GB/T 11854-2003 compared to the main changes are as follows:

--- standard name changed to "

7.24 tool cone gauge inspection", English to "Gauges of 7.24 tapers-Inspection" - modified scope (Chapter 1, Chapter 1 of the 2003 edition); - modified normative reference documents (Chapter 2, Chapter 2 of the 2003 edition); - Added terms and definitions (Chapter 3);

--- modified the requirements of the cone shape tolerance (5.2, 2003 version 3.4); - increased ambient temperature requirements for inspection (6.1); - a method of modifying the tolerance of the cone diameter (4.2,

--- Increased test method for cone angle error (6.3);

--- Test method for increased tolerance of conical shape (6.4); - the requirements for the thickness of the coating layer (see Table 7, Edition

4.1 of the year 2003) - a test method for increasing the hardness of the measuring surface (6.6); - Increased test surface surface roughness (6.7);

--- some other editorial changes. This standard is proposed by the China Machinery Industry Federation. This standard is standardized by the National Standardization Technical Committee (SAC/TC132). The drafting of this standard. Chengdu Tools Research Institute Co., Ltd., Harbin Measuring and Cutting Tool Group Co., Ltd., China Metrology Research Institute, Dalian Machine Tool Group Co., Ltd., Zhuzhou Diamond Cutting Tool Co., Ltd., Heilongjiang Province, metrology and testing hospital. The main drafters of this standard. Zeng Yuhuan, Deng Ning, Jiang Zhigang, Dong Yuwen, Sun Songquan, Yao Xuli, Zhang Heng, Kang Yanhui, Fu Chengyun, Li Weiwei, Nie Yinghua. This standard replaced the previous version of the standard release. GB/T 11854-1989, GB/T 11854-2003.

7.24 tool cone gauge inspection

1 Scope

GB/T 11854-2016 is the Chinese national standard on gauges of 7:24 tapers - inspection, 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 13 October 2016 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 November 2017. 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 type and basic parameters, requirements, inspection, marking and packaging of the

7.24 tool cone gauge. This standard applies to the level of 1, 2, 3

7.24 tool cone gauge manufacturing, testing.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document. Conical tolerances and technical conditions for conical gauge

GB/T 11852-2003 Geometrical measuring instruments - Terminology - Basic terminology
GB/T 17163-2008

3 Terms and definitions

The terms and definitions defined in GB/T 17163-2008 apply to this document.

4 Type and basic parameters

7.24 Tools The cone gauge is available in both Type A and Type C, as shown in Figure 1 and Figure 2. The illustration is for illustration only. Figure 1 A-type tool cone gauge