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

GB/T 10944.5-2013

Replacing GB/T 10945.2-2006

**Tool shanks with 7/24 taper for automatic tool changers-Part 5:
Technical specifications of Retention knobs**

自动换刀7:24圆锥工具柄 第5部分：拉钉的技术条件

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Foreword

7.24 cone tool shank" is divided into five sections.

- Part 1. A, AD, AF, U, UD and UF type shank dimensions and marking;
- Part 2. J, JD and JF type shank dimensions and marking; Part
- Section 3. AC, AD, AF, UC, UD, UF, JD and JF type Rivet;
- Part 4. handles the technical conditions;
- Part 5. Rivet technical conditions. This section GB/T Part of 510,944. This section drafted in accordance with GB/T 1.1-2009 given rules. This Part replaces GB/T 10945.2-2006 "automatic tool changer with

7.24 taper tool shank -40,45 and 50 of the first handle with rivets Part 2. Technical Conditions ", compared with the GB/T 10945.2-2006, the main changes are as follows:

- Modify the name in English;
- Modify the scope;
- Modify the normative references;
- Remove the model represents rules and code meaning;
- Remove the positional tolerance;
- Remove the surface roughness;
- Modify the mechanical properties.

1 Scope

GB/T 10944.5-2013 is the Chinese national standard on tool shanks with 7/24 taper for

automatic tool changers-part 5: technical specifications of retention knobs, in the field of manufacturing engineering. 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 31 December 2013 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 October 2014. Classification: ICS 25.100.01, CCS J41. 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 section GB/T 10944 specifies the ATC

7.24 taper tool holder with AC, AD, AF, UC, UD, UF, JD and JF Type pull nails appearance, thread accuracy, mechanical properties, marking and packaging. This section applies to press GB/T 10944.3 production of automatic tool change tool shank taper

7.24 with rivets.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 197 common thread tolerance

GB/T 10944.3-2013 automatic tool change tool shank taper 7.24 - Part 3. AC, AD, AF, UC, UD, UF, JD and JF Type Rivet

3 Appearance

Rivet surface should not have scratches, rust, cracks and other defects affecting performance.

4 Precision thread

7 Press GB/T 197 6g precision manufacturing. In AD-type rivets, for example, as shown in Figure 1. Accuracy Figure 1 thread

5 Mechanical Properties

5.1 material and hardness Rivet material and hardness of GB/T 10944.3-2013 provisions of Chapter 4 of the.

5.2 pairs of maximum tension applied to pull the nail When the allowable stress of 400N/mm² (when calculated with a minimum cross-section considered), force is applied in Table 1.

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