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

GB/T 15729-2008

Replacing GB/T 15729-1995

Hand torque tools -- General requirements

手用扭力扳手通用技术条件

(English Translation)

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Foreword

This revised standard adopts ISO 6789:2003 "Assembly tools for screws and nuts - Hand torque wrench technical conditions and test methods" (In English).

This standard is based on ISO 6789:2003 redrafted. The list of national standards with international standards and provisions in terms of the information in Appendix C Control list.

Taking into account China's national conditions, in the use of ISO 6789:2003, the standard of this made some changes related to technical differences have been incorporated into the body and they are involved in the provision of margin identified by a single vertical line. And ISO 6789 is given in Appendix D.2003 Technology List of differences and the reasons for the reference.

This standard and ISO 6789:2003 The main differences are as follows.

- Some of the statements apply to international standards to apply to our standard formulation;
- Cited the adoption of international standards of national standards and other standards (Chapter 2 of this edition);
- Surface treatment and surface quality makes provision (Excerpts of 5.1, 5.2);
- On the structure and performance makes provision (Excerpts 5.3);
- Surface treatment, surface quality, structure and performance testing makes provision (Chapter 6 of this edition);
- Makes provision for inspection rules (Chapter 7 of this edition);
- For packaging, labeling, transportation and storage makes provision (Chapter 8 of this edition);
- Made an adjustment on the part of the content.

This standard replaces GB/T 15729-1995 "torque wrench General technical requirements." this standard and GB/T 15729-1995 compared to the main changes are as follows.

- Increased terms and definitions (Chapter 3 of this edition);
- Increased product marking (Excerpts 4.2);
- Adjust the torque wrench torque test accuracy requirements (1995 version 4.6, this version of 5.5);
- Revised test methods for testing the accuracy of the torque wrench Torque (1995 version 5.5, this version of 6.5);
- Modify the inspection rules (1995 edition, Chapter 6, Section 7 of this edition).

The Standard Appendix A and Appendix B are normative, Appendices C and D are informative appendices.

The standard proposed by China National Light Industry Council.

This standard by the National Standardization Technical Committee, hardware tools, hardware sub-technical committee.

This standard is manufactured by Shengzhou moment Tools Co., Ltd., Shenyang Europe and Thailand · Qaeda torque Technology Co., Ltd., Shanghai Tool Engineering Industry is responsible for drafting the Institute, Ningbo Great Wall Precision Industrial Co., Ltd., Deng Wei, Li tool Group Co., Ltd., Jiangsu Sainty International Group Jiangdu Tools Co., Ltd., Jiangsu Hongbao Hardware Co., Ltd., Shanghai Star labor Tools Co., Kaenjiete tools (Shanghai) Co., Division participated in the drafting.

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This standard replaces the standards previously issued as follows.

- GB/T 15729-1995.

Hand torque wrench - General requirements

1 Scope

This standard specifies hand torque wrench terms and definitions, classification and labeling, technical requirements, test methods, inspection rules and signs, including Loading, transportation and storage.

This standard applies to tighten the screws and pull the nut or other similar parts of the hand indicating torque wrench and hand preset torque wrench.

Hereinafter referred to as torque wrenches.

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 230.1 Metallic Rockwell hardness test - Part 1. Test methods (A, B, C, D, E, F, G, H, K, N, T scale) (GB/T 230.1-2004, ISO 6508-1:1999, MOD) GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling plan (GB/T 2828.1-2003, ISO 2859-1:1999, IDT) GB/T 3390.2 manual transmission mortise and tenon and socket wrenches square hole (GB/T 3390.2-2004, ISO 1174-1:1996, MOD) GB/T 4625 Assembly tools for screws and nuts term (GB/T 4625-1998, idt ISO 1703. 1983) GB/T 4955 Metallic coatings - Measurement of coating thickness anodic dissolution coulometry (GB/T 4955-2005, ISO 2177.

2003, IDT)

GB/T 5305 Hand tools, packaging, labeling, transportation and storage GB/T 6462 metal and oxygen materialized Measurement of coating thickness microscopic method (GB/T 6462-2005, ISO 1463:2003, IDT) JJF1059 Evaluation and Expression of Uncertainty in Measurement

3 Terms and Definitions

The following terms and definitions apply to this standard.

By way of pointers or electronic scale display, the display output torque wrench (see GB/T 4625).

Can be pre-set torque value output, and audible, visual and other perceived value signal display output torque wrench (see GB/T 4625).

Adjustable output torque value, a dial or an electronic display with a torque wrench to adjust the output torque value (refer to preset torque wrench in the hands of A-type, D and G).

Adjustable output torque value, the torque with a torque wrench calibration device.