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

GB/T 13473-2008

Replacing GB/T 13473-1992

Steel hammers -- General technical requirements

钢锤通用技术条件

(English Translation)

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Foreword

This revised standard adopts ISO 15601:2000 "Steel Hammer hammers technical requirements and test methods" (in English).

This standard is based on ISO 15601:2000 redrafted. This national standard lists the terms and provisions of international standards in Appendix A According to the list.

Taking into account China's national conditions, in the use of ISO 15601:2000, the standard of this made some changes related to technical differences have been incorporated into the text in which they are involved and the terms of the margin of a single vertical line identification. And ISO 15601 are given in Appendix B. Technology 2000 List surgery differences and the reasons for the reference.

This standard and ISO 15601:2000 The main differences are as follows.

- Some statements to applicable international standards applicable to our standard formulation;
- Normative references, the corresponding ISO standards into national standards;
- Increased references GB/T 2828.1, GB/T 4340.1, GB T 5305, YB/T 5002 (first edition chapter 2) /;
- Increased material requirements (edition 3.1);
- Increases the surface quality requirements (edition 3.3);
- Increasing the hammer weight deviation requirements (edition 3.4);
- Increasing the claw hammer claw portion hardness (this version 3.5.4);
- Deleted crack detection requirements (ISO 15601:2000 3.2);

- Adjust the hammer handle strength requirements (edition 3.7);
- Increasing the claw hammer nail pulling functional requirements (edition 3.9);
- Increased material, hammering surface, quality, the hammer weight, hardness testing methods (Excerpts 4.1,4.2,4.3,4.4,4.5);
- Adjust the hammer handle strength test method (ISO 15601:2000 4.3, this version 4.7);
- Adjustment handle sets adhesion test methods (ISO 15601:2000 4.4, this version 4.8);
- Test Method for increasing the nail pulling claw hammer (edition 4.9);
- Increased inspection rules (Chapter 5 of this edition);
- Increasing the packaging, labeling, transportation and storage (Chapter 6 of this edition);
- Increase the informative Appendix. nomenclature and terminology (Excerpts Appendix C);
- Increase the informative Appendix. Steel Hammer holes (Excerpts Appendix D);
- Increase the informative Appendix. Steel Hammer Safety Rules (edition Appendix E).

This standard replaces GB/T 13473-1992 "Steel Hammer General technical requirements." this standard compared with GB/T 13473-1992 main changes are as follows.

- The standard nomenclature and terminology used in the present informative annex (edition 1992 Chapter 3 edition of Appendix C);
- Increased hammering surface requirements (edition 3.2);
- Increased steel hammer and hammer the top of the hardness and case depth requirements (Excerpts 3.5.1,3.5.3);
- Adjustment assembly performance minimum tensile load (1992 version 4.5.2, this version 3.6.2);
- Increased adhesion handle sets of test requirements (edition 3.8);
- Adjustment test method (Version 1992 Table 5.5, this version 4.6) assembling properties;
- Increased handle sets adhesion test method (edition 4.8);
- Increasing the packaging, labeling, transportation and storage requirements (Chapter 6 of this edition);
- Increased this standard and ISO 15601:2000 technical differences and the reasons reg number and a list of the control (Excerpts attached Appendix A and Appendix B).

The Standard Appendix A, Appendix B, Appendix C, Appendix D and Appendix E is an informative annex.

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 by the Shanghai Industrial Tool Research Institute, Shanghai Ji Yi Tools Co., Ltd., Changzhou Xinhua Tools Co., Ltd. is responsible for drafting, Ning Wave Seiko Great Wall Industrial Co., Ltd., Shanghai field (Group) Co. Ltd., Kaenjiete tools (Shanghai) Co., Ltd. participated in the drafting.

Drafters of this standard. Wu Zu Xun, Lu Ren, Ip Wai-ming, Qiu Guoqing, Chen Lihai, Panyu Jie, Lin Meide, Gu Qing.

This standard replaces the standards previously issued as follows.

--- GB/T 13473-1992.

Steel hammers - General technical requirements

1 Scope

This standard specifies the technical conditions for steel hammer, test methods, inspection rules, packaging, labeling, transportation and storage.

This standard applies to steel hammer under normal operating conditions, this standard applies to hammer hardness less than 46HRC object steel hammer.

This standard does not apply to hammer weighs 100g less steel hammer.

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 4340.1 Vickers hardness test - Part 1. Test method (GB/T 4340.1-1999, eqv ISO 6507-1.

1997)

GB/T 5305 Hand tools, packaging, labeling, transportation and storage YB/T 5002 general purpose round pin

3.1 Materials

3.1.1

steel hammer body uses to achieve this standard of quality carbon structural steel, alloy structural steel or equivalent or steel.

3.1.2

hammer handle steel hammer can be used the following materials.

- a) moisture content of not more than 15% of hard wood;
- b) steel and forged steel;
- c) glass fiber reinforced plastics, glass fiber longitudinally arranged consecutively.

3.2 Hammering surface

3.2.1

hammer forged molding, hammering surface should be machined to remove oxidation and decarbonization layer.

3.2.2

hammering edge surfaces shall be not less than 1/15 of the width of the chamfered surface of the hammer, a slope of 40 ° ~ 50 °.

3.3 Surface quality

3.3.1

shape hammer steel hammer shall meet the design requirements.

3.3.2

steel hammer surface should not have cracks, burrs, defects, rust and other defects affecting performance.

Polished steel hammer section 3.3.3, the surface roughness R Rao value should be no greater than 3.2μm.

Paint coating and other surface treatment 3.3.4 Steel Hammer body color should be uniform and should not be tainted paint, flow marks, bubbles, etc. affect the protection and use of performance Defects life.

3.4 Hammer weight

3.4.1

steel hammer body weight should meet the design requirements.