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

GB/T 1298-2008

Replacing GB/T 1298-1986; GB/T 227-1991

**Carbon tool steels
(English Translation)**

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Foreword

This standard ASTM A686-92 "carbon tool steel standard" non-equivalent.

This standard replaces GB/T 1298-1986 "carbon tool steel technical conditions" and GB/T 227-1991 "tool steel hardenability test side law".

This standard compared with GB/T 1298-1986, the main changes are as follows.

- Standard name change. carbon tool steel;
- Added "rod" and the relevant technical requirements;
- Increasing the "order content";
- Increase in tungsten, molybdenum, vanadium content (mass fraction) of the provisions of the residual elements, and the residual copper content (mass fraction) decreased from 0.30% to 0.25%;
- Changed to "smelting method" requirement;
- Amend the provisions of the delivery status of cold-drawn steel;
- Cancel "fracture test";
- Increasing the acid leaching low magnification level requirements, and as will be seized;
- Original GB/T 227-1991 "tool steel hardenability test methods" used in the present standard Appendix B.

The Standard Appendix A and Appendix B are normative.

The standard proposed by China Iron and Steel Association.

This standard is under the jurisdiction of the National Steel Standardization Technical Committee.

This standard was drafted. Tung Wah Group of Chongqing Special Steel Co., Dongbei Special Steel Group (Dalian), Metallurgical Industry Information Standards Institute Study hospital.

1 Scope

This standard specifies the classification of carbon tool steel, ordering the content, size, shape and tolerances, technical requirements, test methods, inspection regulations Then, packaging, marking and quality certificate.

This standard applies to hot-rolled carbon tool steel, forged, cold drawn bright steel and silver steel and wire rod, its chemical composition is also applicable to an ingot, billet and Products.

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.

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