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OF CHINA**

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GB/T 18254-2002

Replace GB/T 18254-2000

High-carbon Chromium Bearing Steel

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Foreword

This standard is revision of GB/T 18254-2000 *High-carbon Chromium Bearing Steel*.

Comparison with GB/T 18254-2000, main changes for technical contents in this standard are as follows:

- Added the stipulation on continuous casting steels;
- Rewriting standard according to GB/T 1.1 – 2000 *Directives for standardization--Part 1: Rules for the structure and drafting of standards*.

The Annex A of this standard is normative.

This standard is proposed by State Bureau of Metallurgical Industry.

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

Main draft units of this standard are Baosteel Group Shanghai No.5 Steel Co Ltd, Luoyang Bearing Research Institute, China Metallurgical Information and Standardization Institute, China Iron & Steel Research Institute Group.

Main drafters of this standard are Shen Jianchang, Lei jianzhong, Luan Yan, Wei Guoneng and Wang Shentian.

Participates units of this standard are Daye Special Steel Co., Ltd, Beiman Special Steel Co. Ltd, Xining Special Steel Co., Ltd and Dalian Iron & Steel Co., Ltd;

Participates drafters of this standard are Li Zheng, Wang Hongjun, Liu Kelin, Zhen Juan, Mei Yali.

This standard was first issued on November 2000.

High-carbon Chromium Bearing Steel

1 Scope

This standard specifies the order contents, dimensions, shapes, technical requirements, test methods, inspection rules, packaging, marking and quality certificate for high-carbon chromium bearing steel.

This standard is applicable to hot rolled or forged round steels, wire rods, cold rolled/drawn round steels (vertical bar or coiled) and steel pipes of high-carbon chromium bearing steel for producing bearing rings and rolling elements. Continuous casting steel is not recommended to be steel balls.

Other steel products and billets with other varieties and specifications can also be supplied after negotiation by both supplier and buyer and specific requirements shall be indicated in contract.

2 Normative References

The provisions contained in the following document have become the provisions of this Specification when they are cited herein. The dated reference documents, including their list of modifications made thereafter (excluding corrections) or modified versions, shall not be applicable to this Specification. But, all parties who have concluded agreements based on this Specification are encouraged to study on the possibility to implement the latest version of these documents. Of the undated reference documents, their latest version shall be applicable to this standard.

GB/T 222 Sampling method for analysis of chemical content of steel and allowable tolerance of chemical content of end product

GB/T 223.3 Methods for chemical analysis of iron, steel and alloy — The diantipyrylmethane phosphomolybdate gravimetric method for the determination of phosphorus content

GB/T 223.5 Methods for chemical analysis of iron, steel and allo — The reduced molybdosilicate spectrophotometric method for the determination of acid-soluble silicon content



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