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

中华人民共和国国家标准

GB/T 24186–2009

**High strength abrasion resistant steel plates for
construction machine**

工程机械用高强度耐磨钢板

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Contents

Foreword	1
1 Scope	1
2 Normative references	1
3 Order content	4
4 Representation of grade	4
5 Dimensions, shape, weight and tolerances	4
6 Technical requirements	4
6.1 Grade and chemical composition	4
6.2 Smelting method	5
6.3 Delivery state	5
6.4 Mechanical properties	6
7 Test methods	7
8 Inspection rules	7
9 Packing, marking and quality certificate	8
Annex A (Informative) Reference values of carbon equivalent	9

Foreword

Annex A of this standard is informative annex.

This standard was proposed by China Iron and Steel Association.

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

This standard was drafted by Jigang Group Co., Ltd., China Metallurgical Information & Standardization Institute, Wuyang Iron and Steel Co., Ltd. and Hunan Valin Lianyuan Iron and Steel Co., Ltd.

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High strength abrasion resistant steel plates for construction machine

1 Scope

This standard specifies the grade, dimensions, shape, weight and tolerances, technical requirements, test methods, inspection rules, packing, marking and quality certificate of high strength abrasion resistant steel plates for construction machine.

This standard is applicable to the steel plates with a thickness of not greater than 80 mm used for the abrasion resistant structural elements of the construction machines used in mining, building and agriculture. The abrasion resistant steel plates specified in this standard are also applicable to other fields.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 222 Method of sampling steel for determination of chemical composition and permissible variations for product analysis

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

GB/T 223.9 Iron, steel and alloy--Determination of aluminium content--Chrom azurol S photometric method

GB/T 223.11 Methods for chemical analysis of iron, steel and alloy--The ammonium persulfate oxidation volumetric method for the determination of chromium content

GB/T 223.12 Methods for chemical analysis of iron, steel and alloy--The sodium carbonate separation-diphenyl carbazide photometric method for the determination of chromium content

GB/T 223.13 Methods for chemical analysis of iron, steel and alloy--The ammonium ferrous sulfate titration method for the determination of vanadium content

GB/T 223.14 Methods for chemical analysis of iron, steel and alloy--The N-benzoyl-N-phenylhydroxylamine extraction photometric method for the determination of



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