

Translated English of Chinese Standard: GB/T33974-2017

www.ChineseStandard.net → Buy True-PDF → Auto-delivery.

Sales@ChineseStandard.net

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 77.140.50
H 46

GB/T 33974-2017

Hot rolling checker steel sheet and strip

热轧花纹钢板及钢带

Issued on: July 12, 2017

Implemented on: April 01, 2018

Issued by: General Administration of Quality Supervision, Inspection and Quarantine;

Standardization Administration of the People's Republic of China.

Table of Contents

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Classification and code	5
4 Order contents.....	5
5 Dimension, shape, weight	6
6 Technical requirements	10
7 Test methods	11
8 Inspection rules	11
9 Packaging, marking and quality certificates	12
Appendix A (Informative) Theoretical weighing method for hot rolling checker steel sheet	13

Hot rolling checker steel sheet and strip

1 Scope

This standard specifies the classification and code number, order content, dimensions, shape, weight, technical requirements, test methods, inspection rules, packaging, markings and quality certificates for hot rolling checker steel sheet and strip.

This standard applies to diamond-shaped, lentil-shaped, round bean-shaped and combination-shaped hot rolling checker steel sheet and strip (hereinafter referred to as steel sheet and strips) having a thickness of 1.4 mm ~ 16.0 mm.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB/T 222 Permissible tolerances for chemical composition of steel products

GB/T 228.1 Metallic materials - Tensile testing - Part 1: Method of test at room temperature

GB/T 232 Metallic materials - Bend test

GB/T 247 General rule of package mark and certification for steel sheets (sheets) and strips

GB/T 700 Carbon structural steels

GB/T 709 Dimensions, shape, weight and tolerances for hot rolled steel sheets and strips

GB/T 712 Structural steel for ship and marine engineering

GB/T 1591 High strength low alloy structural steels

GB/T 2975 Steel and steel products - Location and preparation of test pieces for mechanical testing

GB/T 4171 Atmospheric corrosion resisting structural steel

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

GB/T 17505 Steel and steel products General technical delivery requirements

GB/T 20066 Steel and iron - Sampling and preparation of samples for the determination of chemical composition

3 Classification and code

3.1 Classification by edge status is as follows:

- a) Trimming, EC;
- b) Not trimming, EM.

3.2 Classification by shape of the pattern is as follows:

- a) Diamond, LX;
- b) Lentil-shape, BD;
- c) Round bean shape, YD;
- d) Combined shape, ZH.

4 Order contents

4.1 Contracts or orders placed under this standard shall include the following:

- a) This standard number;
- b) Grade;
- c) Product category (steel sheet or strip);
- d) Specifications;
- e) Pattern shape;
- f) Edge status;
- g) Other requirements.

4.2 Marking example

The untrimmed lentil-shaped pattern steel sheet which is delivered in

Table 3 -- Steel sheet flatness, in millimeters

Thickness	Flatness, not more than	Measured length
1.4 ~ 2.5	15	1000
> 2.5 ~ 4.0	12	
> 4.0 ~ 16.0	10	

5.5 Other sizes and shapes of steel sheets and strips are to comply with the requirements of GB/T 709.

5.6 Steel sheets and strips are delivered by actual weight. In accordance with the requirements of the purchaser, the steel sheet can refer to Appendix A and be delivered by theoretical weight.

6 Technical requirements

6.1 Grades and chemical composition

6.1.1 The steel grade and chemical composition (smelting analysis) shall comply with the provisions of GB/T 700, GB/T 712, GB/T 1591, and GB/T 4171. With the agreement of the supplier and purchaser, it can supply other grades of steel sheets and strips.

6.1.2 The allowable deviation of the chemical composition of finished steel sheets and strips shall comply with the provisions of GB/T 222.

6.2 Delivery status

6.2.1 Steel sheets and strips are delivered in hot rolling condition.

6.2.2 Steel sheets and strips are usually supplied in an untrimmed state, or otherwise supplied in a trimmed state as specified by the purchaser and specified in the contract.

6.3 Mechanical properties

According to the requirements of the purchaser, and specified in the contract, tensile and bending tests can be performed. The performance indicators shall meet the requirements of GB/T 700, GB/T 712, GB/T 1591, and GB/T 4171 or the agreement between the both parties.

6.4 Surface quality

6.4.1 The surface of steel sheets and strips shall be free of bubbles, scars, cracks, folds, and inclusions. There shall be no delamination of steel sheets and strips.

6.4.2 The surface of steel sheets and strips is allowed to have a thin layer of

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----