Chinastandards.org

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 34474.1-2017

Determination of Banded Structure of Steel - Part 1: Micrographic Method Using Standards Diagrams

钢中带状组织的评定 第1部分：标准评级图法

(English Translation)

Issued on: October 14, 2017

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-34474-1-2017

Chinastandards.org

Table of Contents

1 Scope
2 Normative references
3 Terms and definitions
4 General and application
5 Sampling
6 Preparation of sample
7 Determination method
7.1 Observation method
7.2 Comparison method
7.3 Standard diagrams
8 Test report

1 Foreword

GB/T 34474.1-2017 was issued by State Administration for Market Regulation; Standardization Administration of the PRC on 14 October 2017.

It is one of 3 parts of the GB/T 34474 series.

GB/T 34474 Determination of banded structure of steel consists of several parts as planned. This part is Part 1 of GB/T 34474.

This part was proposed by China Iron and Steel Association.

This part is under the jurisdiction of the National Technical Committee on Iron and Steel of Standardization Administration of China (SAC/TC 183).

2 Introduction

This part of GB/T 34474 mainly specifies the geometric distribution of the ferrite banding of hypoeutectoid steel, while does not strictly specify the composition of class II structure banding composition of class II structure banding.

This part is used for determining the banded structure of hypoeutectoid steel such as ferrite and pearlite in the nearly equilibrium state, and also for determining the banded structure of ferrite and other non-equilibrium structure.

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-34474-1-2017

Chinastandards.org

3 Scope

This part of GB/T 34474 specifies the method for determining the banded structure of hypoeutectic steel (including ferrite banding and class II structure banding) using comparison method. This part is applicable to the determination of banded structure of plastically deformed hypoeutectoid steel, while not applicable to the determination of banded carbide of hypereutectoid steel.

4 Normative references

GB/T 13298 - Inspection methods of microstructure for metals

GB/T 30067 - Standard terminology relating to metallography

5 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 15 pages (approximate)

6 Related standards

Other parts of this standard:

GB/T 34474-2025 - Methods for determination of banded structure of steels

GB/T 34474.2-2018 - Part 2: Quantitative Method

7 Classification and status

Chinese Standard Classification (CCS): H 24

Prefix GB/T: recommended standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-34474-1-2017