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

GB/T 41746-2022

**Continuous hot-dip zinc-coated twin-roll cast steel sheet and
strip of commercial quality**

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" drafted.

This document is revised and adopted ISO 15208.2012 "Commercial grade continuous hot-dip galvanized twin-roll cast steel sheet".

Compared with ISO 15208.2012, this document has many adjustments in structure, and the comparison list of structure number changes between the two documents

See Appendix A.

Compared with ISO 15208.2012, there are many technical differences in this document. In the outer margins of the clauses involved, vertical

A single line (|) is marked. See Appendix B for a list of these technical differences and their reasons.

The following editorial changes have been made to this document.

--- In order to harmonize with the existing standards, the name of the standard is changed to "Commercial Grade Continuous Hot-Dip Galvanized Double-Roll Cast-Rolled Steel Sheet and Steel Strip";

--- Added Appendix C (informative) comparison table of approximate grades.

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the dimensions, shapes, weights of general-purpose continuous hot-dip galvanized steel sheets and strips produced by the twin-roll casting process.

Quantity, technical requirements, test methods, inspection rules, classification and code, packaging, marking and quality certificate, order content.

The products corresponding to this document should be used for inner and outer covering parts and structural parts that require corrosion resistance. This document applies to thicknesses not greater than

2.0mm commercial grade continuous hot-dip galvanized twin roll cast steel sheet and strip (hereinafter referred to as "sheet and steel strip").

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

Allowable deviation of finished chemical composition of GB/T 222 steel

GB/T 223.12 Chemical Analysis Methods of Iron, Steel and Alloy - Separation of Sodium Carbonate - Spectrophotometric Determination of Chromium Content

GB/T 223.14 Chemical Analysis Methods of Iron, Steel and Alloy - Determination of Vanadium Content by Tantalum Reagent Extraction Photometric Method

GB/T 223.18 Methods for chemical analysis of iron, steel and alloys - Separation of sodium thiosulfate - Determination of copper content by iodometric method

GB/T 223.23 Determination of Nickel Content in Iron, Steel and Alloy Diacetyl oxime Spectrophotometric Method

GB/T 223.26 Determination of Molybdenum Content in Iron, Steel and Alloy Thiocyanate Spectrophotometry

GB/T 223.40 Determination of Niobium Content in Iron, Steel and Alloy - Chlorosulfophenol S Spectrophotometric Method

GB/T 223.60 Chemical analysis methods of iron, steel and alloys Determination of silicon content by perchloric acid dehydration gravimetric method

GB/T 223.62 Methods for chemical analysis of iron, steel and alloys - Determination of phosphorus content by butyl acetate extraction photometric method

GB/T 223.63 Chemical analysis methods of iron, steel and alloys - Determination of manganese content by sodium (potassium) periodate photometric method

GB/T 223.69 Determination of carbon content in steel and alloys by gas volumetric method after combustion in tube furnaces

GB/T 223.72 Determination of Sulfur Content of Iron, Steel and Alloy Gravimetric Method

GB/T 223.84 Determination of titanium content in iron, steel and alloys by dianthipyrene methane spectrophotometry

GB/T 228.1 Tensile test of metallic materials Part 1. Test method at room temperature (GB/T 228.1-2021, ISO 6892-1.

2019, MOD)

GB/T 232 Bending Test Method for Metallic Materials (GB/T 232-2010, ISO 7438.2005, MOD)

GB/T 247 General requirements for packaging, marking and quality certificates of steel plates and strips

GB/T 1839 Steel product galvanized coating quality test method (GB/T 1839-2008, ISO 1460.1992, MOD)

GB/T 2975 Sampling location and sample preparation for mechanical properties test of steel and steel products

GB/T 4336 Determination of multi-element content of carbon steel and medium and low alloy steel spark discharge atomic emission spectrometry (conventional method)

GB/T 8170 Numerical Rounding Rules and Representation and Judgment of Limit Values

GB/T 17505 General technical requirements for delivery of steel and steel products

GB/T 20066 Sampling and sample preparation method of samples for determination of chemical composition of steel and iron

GB/T 20123 Determination of total carbon and sulfur content of iron and steel by infrared absorption method after high-frequency induction furnace combustion (conventional method)

GB/T 25052 Dimensions, shapes, weights and allowable deviations of continuous hot-dip coated steel sheets and strips