

ICS 77.140.50
CCS H 46



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

GB/T 710-2008

**Hot-rolled quality carbon structural steel sheets and strips
(English Translation)**

Issued on: December 6, 2008

Implemented on: October 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China**

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Foreword

This Standard replaces "Hot-rolled Quality Carbon Structural Steel Sheets and Strips" (GB/T 710-1991).

Compared with GB/T 710-1991, main changes in this Standard are as follows.

- ADD order content about hot-rolled steel sheet and strip;
- CANCEL designation of rimmed steel series;
- ADJUST tensile performance indexes;
- IMPROVE deepest drawing grade and grain size grade of deep drawing grade;
- ADJUST thickness scope indexes of cupping test;
- ADD thickness requirements of cold bending test;
- MODIFY requirements on re-inspection.

This Standard was proposed by China Iron and Steel Association.

This Standard is under the jurisdiction of the National Technical Committee on Iron and Steel of Standardization Administration of China.

Drafting organizations of this Standard. Hunan Valin Lianyuan Steel Co., Ltd., Jigang Group Co., Ltd., Shougang Group and Metallurgical Information and Standardization

Institute.

Main drafters of this Standard. Zhou Jian, Wu Guangliang, Gao Ling, Shi Li, Wang

Xiaohu, Li Xiaoshao and He Shuzhi.

The previous editions of the standard replaced by this Standard are as follows.

- GB/T 710-1988 and GB/T 710-1991.

Hot-rolled Quality Carbon Structural Steel Sheets and Strips

1 Scope

This Standard specifies classification, order content, size, shape, permissible deviation, technical requirement, test method, inspection rule, packaging, marking and inspection certificate of hot-rolled quality carbon structural steel sheets and strips.

This Standard is applicable to hot-rolled quality carbon structural steel sheets and strips (hereinafter referred to as steel sheets and strips) with thickness less than 3mm and width not less than 600mm.

2 Normative References

The provisions in following documents become the provisions of this Standard through reference in this Standard. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Standard, however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 222 Permissible Tolerances for Chemical Composition of Steel Products

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 Steel and Iron - Determination of Acid-soluble Silicon and Total Silicon Content - Reduced Molybdosilicate Spectrophotometric Method

GB/T 223.9 Iron Steel and Alloy - Determination of Aluminium Content - Chrom Azurol S Photometric Method

GB/T 223.11 Iron Steel and Alloy - Determination of Chromium Content - Visual Titration or Potentiometric Titration Method

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 223.18 Methods for Chemical Analysis of Iron, Steel and Alloy - The Sodium Thiosulfate Separation Iodimetric Method for the Determination of Copper Content

GB/T 223.19 Methods for Chemical Analysis of Iron, Steel and Alloy - The Neocuproine-chloroform Extraction Photometric Method for the Determination of Copper Content

GB/T 223.23 Iron Steel and Alloy - Determination of Nickel Content - The Dimethylglyoxime Spectrophotometric Method

GB/T 223.36 Methods for Chemical Analysis of Iron, Steel and Alloy - The Neutral Titration Method for the Determination of Nitrogen Content after Distillation Separation

GB/T 223.37 Methods for Chemical Analysis of Iron, Steel and Alloy - The Indophenol Blue Photometric Methods for the Determination of Nitrogen Content after Distillation Separation

GB/T 223.53 Methods for Chemical Analysis of Iron, Steel and Alloy - The Flame Atomic Absorption Spectrophotometric Method for the Determination of Copper Content

GB/T 223.54 Methods for Chemical Analysis of Iron, Steel and Alloy - The Flame Atomic Absorption Spectrophotometric Method for the Determination of Nickel Content

GB/T 223.58 Methods for Chemical Analysis of Iron, Steel and Alloy - The Sodium Arsenite-sodium Nitrite Titrimetric Method for the Determination of Manganese Content

GB/T 223.59 Iron Steel and Alloy - Determination of Phosphorus Content -

Bismuth Phosphomolybdate Blue Spectrophotometric Method and Antimony

Phosphomolybdate Blue Spectrophotometric Method

GB/T 223.60 Methods for Chemical Analysis of Iron, Steel and Alloy - The
Perchloric Acid Dehydration Gravimetric Method for the Determination of Silicon
Content

GB/T 223.61 Methods for Chemical Analysis of Iron, Steel and Alloy - The
Ammonium Phosphomolybdate Volumetric Method for the Determination of
Phosphorus Content

GB/T 223.62 Methods for Chemical Analysis of Iron, Steel and Alloy - The Butyl
Acetate Extraction Photometric Method for the Determination of Phosphorus
Content

GB/T 223.63 Methods for Chemical Analysis of Iron, Steel and Alloy - The Sodium
(Potassium) Periodate Photometric Method for the Determination of Manganese
Content

GB/T 223.64 Iron Steel and Alloyed - Determination of Manganese Content -
Flame Atomic Absorption Spectrometric Method

GB/T 223.67 Steel and Alloys - Sulfur Content Method for Determination of
Methylene Blue

GB/T 223.68 Methods for Chemical Analysis of Iron, Steel and Alloy - The
Potassium Iodate Titration Method after Combustion in the Pipe Furnace for the
Determination of Sulfur Content

GB/T 223.69 Iron Steel and Alloy - Determination of Carbon Contents - Gas-
Volumetric Method after Combustion in the Pipe Furnace

GB/T 224 Determination of Depth of Decarburization of Steel

GB/T 228 Metallic Materials - Tensile Testing at Ambient Temperature (GB/T 228-
2002, eqv ISO 6892. 1998)

GB/T 232 Metallic Materials - Bend Test (GB/T 232-1999, eqv ISO 7438. 1985)

GB/T 247 General Rule of Package Mark and Certification for Steel Plates (Sheets)