

ICS 77. 140. 5C  
H 46



**National Standard of the People's Republic of China**

**中华人民共和国国家标准**

GB/T 711-2008

Replace GB/T 711-1988

---

**Hot-rolled Quality Carbon Structural Steel  
Plates, Sheets and Wide Strips**

**优质碳素结构钢热轧厚钢板和钢带**

Issued on: October 10, 2008

Implemented on: May 1, 2009

---

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

## Foreword

This standard replaces GB/T 711–1988 “Hot-rolled Quality Carbon Structural Steel Plates, Sheets and Wide Strips”.

There have been some significant changes in this national standard over GB/T 711–1988 in the following technical aspects:

- Changing the provisions on delivery state;
- The sulfur content shall be reduced by 0.005%;
- The impact test is changed from transverse direction to longitudinal direction and the impact absorbed energy value shall be increased;
- The inspection batch weight shall be increased to 60t.

This national standard is proposed by China Iron & Steel Association.

This national standard is under jurisdiction of China Steel Standardization Technical Committee.

Chief drafting organizations of this standard: Chongqing Iron & Steel Company Limited, Tianjin Iron & Steel Co., Ltd., Shougang Corporation, Angang Steel Company Limited, China Metallurgical Information And Standardization Research Institute

Chief drafting staffs of this standard: Zhu Bin, Zeng Xiaoping, Yuan Jianhua, Li Shuqing,  
Du Dasong, Shi Li, Guan Jichun, Su Yan,  
Wang Xiaohu

This national standard replaces the previous normative versions:

- GB/T 711–1985 and GB/T 711–1988.

## Contents

1	Scope.....	1
2	Normative references .....	1
3	Order content .....	3
4	Dimension, external shape, weight and allowable deviation .....	3
5	Technical requirements .....	4
	5.1 Trademark and chemical compositions .....	4
	5.2 Smelting process .....	5
	5.3 Condition of delivery .....	5
	5.4 Mechanical property.....	5
	5.5 Low power .....	7
	5.6 Decarburized layer .....	7
	5.7 Ultrasonic test.....	7
	5.8 Surface quality .....	7
6	Test method.....	7
7	Test rules.....	8
8	Packaging, marking and quality certificate.....	8
9	Rounding-off of numerical value.....	8

# Hot-rolled Quality Carbon Structural Steel Plates, Sheets and Wide Strips

GB/T 711–2008  
Replace GB/T 711–1988

---

## 1 Scope

This national standard specifies the dimension, external shape, weight, allowable deviation, technical requirements, test method, test rules, packing, standard and quality certificate of hot-rolled quality carbon structural steel plates, sheets and wide strips.

This standard is applicable to the hot-rolled quality carbon structural steel plates, sheets and wide strips that are in thickness of 3mm~60mm and width no less than 600mm.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. For dated reference, subsequent amendments (excluding amending error in the text) to, or revisions of, any of these publications do not be applied. However, the parties whose enter into agreement according to these specifications are encouraged to research whether the latest editions of these references are applied or not. For undated references, the latest edition of the normative document is applicable to this national standard.

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 Diantipyryl-methane 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 Aluminum 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



北京文心雕语翻译有限公司  
Beijing Lancarver Translation Inc.

---

---

---

## 完整版本请在线下单

或咨询：

TEL: 400-678-1309

QQ: 19315219

Email: [info@lancarver.com](mailto:info@lancarver.com)

<http://www.lancarver.com>

---

---

## 线下付款方式：

### 1. 对公账户：

单位名称：北京文心雕语翻译有限公司

开户行：中国工商银行北京清河镇支行

账 号：0200 1486 0900 0006 131

---

---

### 2. 支付宝账户：info@lancarver.com

---

---

注：付款成功后，请预留电邮，完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱，如需索取发票，下单成功后的三个工作日内安排开具并寄出，预祝合作愉快！

---



银联特约商户