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中华人民共和国国家标准

GB 706—2008

Replace GB/T 706—1988, GB/T 707—1988, GB/T 9787—1988, GB/T 9788—1988, GB/T 9946—1988

Hot Rolled Section Steel

热轧型钢

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Foreword

This standard is revised on the base of the integration of GB/T 706–1988 “Hot-rolled Beam Steel—Dimensions, Shape, Weight and Tolerances”, GB/T 707–1988 “Hot-rolled Channel Steel—Dimensions, Shape, Weight and Tolerances”, GB/T 9787–1988 “Hot-rolled Equal-leg Angle Steel—Dimensions, Shape, Weight and Tolerances”, GB/T 9788–1988 “Hot-rolled Unequal-leg Angle Steel—Dimensions, Shape, Weight and Tolerances” and GB/T 9946–1988 “Hot-rolled L-sectional Steel—Dimensions, Shape, Weight and Tolerances”.

This standard replaces the following standards: GB/T 706–1988 “Hot-rolled Beam Steel—Dimensions, Shape, Weight and Tolerances”, GB/T 707–1988 “Hot-rolled Channel Steel—Dimensions, Shape, Weight and Tolerances”, GB/T 9787–1988 “Hot-rolled Equal-leg Angle Steel—Dimensions, Shape, Weight and Tolerances”, GB/T 9788–1988 “Hot-rolled Unequal-leg Angle Steel—Dimensions, Shape, Weight and Tolerances” and GB/T 9946–1988 “Hot-rolled L-sectional Steel—Dimensions, Shape, Weight and Tolerances”.

Compared with GB/T 706–1988, GB/T 707–1988, GB/T 9787–1988, GB/T 9788–1988 and GB/T 9946–1988, the standard has the following differences:

- Add the normative references;
- Add some specifications;
- Adjust partial size, shape and tolerance;
- Add the provisions about technical requirement, test method, test rules, packaging, marking and certification of quality;
- Add Appendix A.

Appendix A hereof is the normative Appendix.

This standard is proposed by China Iron & Steel Association.

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

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The standard replaces the previous standards or versions:

- GB/T 706–1965, GB/T 706–1988;
- GB/T 707–1965, GB/T 707–1988;
- GB/T 9787–1988;
- GB/T 9788–1988;
- GB/T 9946–1988.

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Hot Rolled Section Steel

1 Scope

This standard specifies the scope, term and definition, structure, size, appearance, weight and tolerance, technical requirement, test method, test rules, packaging, marking and quality certificate of hot-rolled beam steel, hot-rolled steel channel, hot-rolled equal-leg angle steel, Hot-rolled unequal-leg angle steel and hot-rolled L-sectional steel.

This standard shall be applicable to hot-rolled equal-leg angle steel, Hot-rolled unequal-leg angle steel, hot-rolled L-sectional steel, hot-rolled steel channel and hot-rolled beam steel with slope on inside of led (hereinafter referred to as section steel).

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this national 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 228 Metallic Materials—Tensile Testing at Ambient Temperature (GB/T 228—2002, eqv ISO 6892: 1998 (E))

GB/T 229 Metallic Materials—Charpy Pendulum Impact Test Method (GB/T 229—2007, ISO 148-1: 2006, MOD)

GB/T 232 Metallic Material - Bend test (GB/T 232—1999, eqv ISO 7438: 1985 (E))

GB 700 Carbon Structural Steel

GB/T 1591 Low-alloy High-tensile Structural Steel

General Rule of Acceptance, Package, Mark and Certification for Section Steel

GB/T 2975 Mechanical Test Sampling Location and Sample Preparation for Steel and Steel Products (GB/T 2975—2008, eqv ISO 377: 1997)

3 Size, Shape, Weight and Tolerance

3.1 Size and Representation

3.1.1 The sectional view and symbols are detailed in Figure 1~Figure 5.

3.1.2 The sectional dimension, sectional area, theoretical weight and sectional characteristic shall meet the provisions of Table A.1~Table A.5 in Appendix A.

3.2 Size, Shape and Tolerance

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