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National Standard of the People's Republic of China

中华人民共和国国家标准

GB/T 8162-2008

Replace GB/T 8162-1999

Seamless Steel Tubes for Structural Purposes

结构用无缝钢管

Issued on August 19, 2008

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Jointly issued by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China and Standardization Administration Of The People's Republic of China.

Forwards

This national standard is not equivalent to EN 10297-1: 2003 "Seamless Circular Steel Tubes for Mechanical and General Engineering Purposes-Technical Delivery Conditions".

This national standard replaces GB/T 8162-1999 "Seamless Steel Tubes for Structural Purposes", while comparing with it, this Standard has the following major variation:

- add order content;
- modify allowable deviation of the dimension;
- add requirements of the full-length tortuosity factor;
- add requirements of the terminal shear drag;
- cancel marking illustrations;
- add steel grades;
- cancel requirements of the expanding test;
- add negotiation provisions of the nondestructive test

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

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

This Standard is mainly prepared (organizations) by Angang Steel Company Limited, Pangang Group Chengdu Iron & Steel Co., Ltd. and Hunan Hengyang Steel Tube Group Co., Ltd.

This Standard is mainly prepared by (staffs): ZHANG Huixuan, ZHANG Peng, PIAO Zhimin, LI Qi, ZHAO Bin and LI Zhi.

This national standard replaces the previous versions:

- GB/T 8162-1987, GB/T 8162-1999

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Seamless Steel Tubes for Structural Purposes

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GB/T 8162-2008

1. Scope

This national standard specifies order content, size, shape, weight, technical requirements, test methods, test rules, packaging, marking and quality certificate of seamless steel tubes for structural purposes.

This Standard is applicable to seamless steel tubes for mechanical and general engineering structural purposes.

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 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 Methods for Chemical Analysis of Iron, Steel and Alloy; the Reduced Molybdosilicate Spectrophotometric Method for the Determination of Acid-soluble Silicon Content

GB/T 223.8 Methods for Chemical Analysis of Iron, Steel and Alloy; the Sodium Fluoride Separation-EDTA Titration Method for the Determination of Aluminium Content

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

GB/T 223.11 Methods for Chemical Analysis of Iron, Steel and Alloy; the Ammonium Persulfate Oxidation Volumetric Method for the Determination of Chromium Content

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 223.13 Methods for Chemical Analysis of Iron, Steel and Alloy; the Ammonium Ferrous Sulfate Titration Method for the Determination of Vanadium Content

GB/T 223.14 Methods for Chemical Analysis of Iron, Steel and Alloy; the

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