

ICS 77.140.75



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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 8163-2008

Replace GB/T 8163-1999

Seamless steel tubes for liquid service

输送流体用无缝钢管

Issued on August 19, 2008

Implemented on April 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 is not equivalent to EN 10216-1: 2004 "Seamless steel tubes for pressure purposes-Technical delivery conditions-Part 1: unalloyed steels with specified room temperature properties".

This standard will replace GB/T 8163-1999 "Seamless steel tubes for liquid service". Compared with GB/T 8163-1999, the major variations of this standard are as follows:

- Content of ordering is added;
- Allowable deviation of dimension is modified;
- Requirement on overall length bending is added;
- Requirement on terminal cut square is added;
- Mark illustration is cancelled;
- Steel grades are added;
- Yield strength of Q345 is modified;
- Impact test requirements on delivery of steel grade and steel grades of quality classification B or above are added;
- Batch rule is modified.

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: Angang Steel Co., Ltd., Panggang Group Chengdu Steel & Iron Co., Ltd., Hengyang Steel Pipe (Group) Co., Ltd.

This national standard replaces the previous versions:

- GB/T 8163-1987, GB/T 8163-1999.

Seamless steel tubes for liquid service

1 Scope

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

This standard is applicable to the general seamless steel tubes for liquid service.

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 Chemical analysis method for steel and alloy-The dianipyryl methane 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 spectro-photometric method for the determination of acid-soluble silicon content

GB/T 223.9 Methods for chemical analysis of iron, steel and alloy-The chrome azurol S photometric method for the determination of aluminium content

GB/T 223.11 Chemical analysis method for steel and alloy-The ammonium persulfate oxidation volumetric method for the determination of chromium content

GB/T 223.12 Chemical analysis method for 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 N-benzoyl-N-phenylhydroxylamine extraction photometric method for the determination of vanadium content

GB/T 223.16 Methods for chemical analysis of iron, steel and alloy-The chromotropic acid photometric method for the determination of titanium 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 Methods for chemical analysis of iron, steel and alloy-The dimethylglyoxime spectrophotometric method for the determination of nickel content

GB/T 223.26 Methods for chemical analysis of iron, steel and alloy-The thiocyanate



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