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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 3094-2012**  
**Replaces GB/T 3094-2000**

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**Cold drawn shaped steel tubes**  
**冷拔异性钢管**

**Issued on May 11, 2012**

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**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**

## Contents

<b>Foreword</b> .....	<b>1</b>
<b>1 Scope</b> .....	<b>2</b>
<b>2 Normative references</b> .....	<b>2</b>
<b>3 Classification and code</b> .....	<b>4</b>
<b>4 Order content</b> .....	<b>4</b>
<b>5 Shape, dimension and weight</b> .....	<b>4</b>
<b>6 Technical requirements</b> .....	<b>7</b>
<b>7 Test methods</b> .....	<b>10</b>
<b>8 Inspection rules</b> .....	<b>11</b>
<b>9 Packaging, marking and quality certificate</b> .....	<b>12</b>
<b>Annex A (Normative) Shape and dimension of steel tubes</b> .....	<b>13</b>
<b>Annex B (Normative) Measurement method of torsion value of special-shaped steel tubes</b> .....	<b>29</b>

## Foreword

This Standard is drafted according to the rules specified in GB/T 1.1-2009.

The Standard is revised referring to ASTM A 500-07 *Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes*.

This Standard replaces GB/T 3094-2000 *Cold Drawn Seamless Shaped Steel Tubes*. This Standard, in comparison with GB/T 3094-2000, main changes are as follows:

- Addition of quality level of Q215, Q235, Q345 and Q390 steels and deletion of quality level of Q295 steel;
- Addition of order content;
- Modification of the requirements on curvature and torsion values;
- Deletion of tag sample;
- Modification of normal length;
- Modification of the mechanical properties of the steel tube;
- Addition of requirements on impact test of steel tube;
- Modification of specification and dimension of steel tube in Appendix A.

This Standard is proposed by China Iron and Steel Association.

This Standard is centralized by the National Steel Standardization Technical Committee (SAC/TC 183).

This Standard is drafted by: Shanghai Shaped Steel Tube Co., Ltd., Jiangsu Jieda Specific New Material Co., Ltd.

The main drafters of this Standard are: Gao Zhijian, Chen Hongqi, Zhu Sujian, Xue Jianliang, Wang Wei, Hu Hongwei, Yang Wenyi, and Lei Liangliang.

The issuances of previous versions of the standard replaced by this Standard are as follows:

- GB 3094-1982;
- GB/T 3094-2000

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## **Cold drawn shaped steel tubes**

### **1 Scope**

This Standard specifies the classification, code, order content, shape, dimension, technical requirements, test methods, inspection rules, packaging, marking and quality certificate of cold draw shaped steel tubes.

This Standard is applicable to cold drawing forming simple section steel tubes (referred to as steel tubes).

### **2 Normative references**

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this Standard.

GB/T 222 Permissible tolerances for chemical composition of steel products

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 223.12 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 223.14 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 223.17 Methods for chemical analysis of iron steel and alloy; The diantipyrylmethane photometric method for the determination of titanium 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



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