

ICS 77.140.75

H 48



**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC  
OF CHINA**

**中华人民共和国国家标准**

GB/T 21832-2008

---

**Austenitic-Ferritic (duplex) grade stainless steel  
welded tubes and pipes**

**奥氏体-铁素体型双相不锈钢焊接钢管**

**Issued on May 13, 2008**

**Implemented on November 01, 2008**

---

**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> .....	1
<b>1 Scope</b> .....	2
<b>2 Normative References</b> .....	2
<b>3 Classification and code</b> .....	5
<b>4 Order contents</b> .....	5
<b>5 Dimension, shape and weight</b> .....	6
<b>6 Technical requirements</b> .....	8
<b>7 Test methods</b> .....	15
<b>8 Inspection rules</b> .....	16
<b>9 Packaging, marking and quality certificate</b> .....	16

## Foreword

This Standard refers to ASTM A789M-05b *Standard Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Tubing for General Service*, ASTM A790M-05a *Standard Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Pipe* and ASTM A928M-05 *Standard Specification for Ferritic/Austenitic (Duplex) Stainless Steel Pipe Electric Fusion Welded with Addition of Filler Metal*.

Annex A of this Standard is informative.

This Standard is proposed by China Iron and Steel Association.

This Standard is under the jurisdiction of National Technical Committee on Iron and Steel of Standardization Administration of China.

Draft unit of this Standard: Zhejiang Jiuli Hi-Tech Metals Co., Ltd and Jiangsu Wujin Stainless Steel Pipe Co., Ltd.

Chief drafters of this Standard: Shao Yu, Cao Zhiliang, Cai Xingqiang, Ji Hai, Song Jianxin and Zhang Jianxin.

# **Austenitic-Ferritic (duplex) grade stainless steel welded tubes and pipes**

## **1 Scope**

The Standard specifies the dimension, shape, weight, technical requirement, test method, inspection rule, packaging, mark and quality certificate of Austenitic Ferritic (duplex) grade stainless steel welded tubes and pipes (hereinafter referred to as tubes and pipes).

The Standard is applicable to the corrosion-resistant Austenitic Ferritic (duplex) grade stainless steel welded tubes and pipes for pressure equipment, fluid transportation and heat exchanger.

## **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 (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

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

GB/T 223.11 Iron steel and alloy - Determination of chromium content - Visual titration or potentiometric titration method

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 Iron steel and alloy - Determination of nickel content - The dimethylglyoxime spectrophotometric method

GB/T 223.25 Methods for chemical analysis of iron, steel and alloy. The dimethylglyoxime gravimetric method for the determination of nickel content



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