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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

CJ/T 151-2016

Replacing CJ/T 151-2001

Light gauge stainless steel tubes

薄壁不锈钢管

(English Translation)

Issued on: December 15, 2016 **Implemented on: June 1, 2017**

Issued by: Ministry of Housing and Urban-Rural Development of the People's Republic of China

Preview: page 1 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cj-t-151-2016

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Table of Contents

Foreword
1 Scope
2 Normative references

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is CJ/T 151-2001 "thin-walled stainless steel tube" revision, compared with the CJ/T 151-2001, the main technical changes as follows.

--- Expand the scope of application;

--- Modify and increase the stainless steel grades and chemical composition;

--- Modify and increase the mechanical properties of stainless steel;

--- Modify the pipe nominal size and tolerances;

--- Increased steel pipe series;

--- Modify the requirements, test methods and other technical content.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Water Supply and Drainage Standardization Technical Committee building centralized.

This standard was drafted. Jiangsu Jinyang Huijia Pipeline System Co., Ltd., Zhejiang Zheng Kang Industrial Co., Ltd., Zhejiang Zhongjie management Co., Ltd., Zhejiang Fulante Co., Ltd., Zhejiang is with the Tube Co., Ltd., Anhui tube benefits of new materials Technology Co., Ltd., Vickers (Shanghai) Fluid Technology Co., Ltd., Suzhou Baodi Pipe Co., Ltd., Guangzhou Meiya Co., Ltd., Anhui Jinwei Pipe Co., Ltd., China Construction Design Institute Co., Ltd., China Construction Metal Structure Association Water Supply and Drainage Equipment Branch, China Building Decoration Decoration Materials Association, Fujian Chuangshengjian Limited, Fujian Province, Taocheng Construction Engineering Co., Ltd., Fujian Jiuding Construction Group Co., Ltd..

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1 Scope

This standard specifies the thin-walled stainless steel pipe (hereinafter referred to as the steel pipe) markings and signs, size and deviation, weight, requirements, test methods, seized Inspection rules, packaging, transportation and storage and ordering.

This standard applies to the nominal pressure of not more than 1.6MPa, the nominal size of not more than DN300, used to transport domestic water (cold water, hot water), Drinking water, medical gases, compressed air, inert gas, gas, oil and other thin-walled stainless steel tube design, manufacture and acceptance.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 223.11 steel and alloy chromium content - Visual titration or potentiometric titration Methods for chemical analysis of iron, steel and alloy - The chromochrome acid photometric method for the determination of titanium content Methods for chemical analysis of iron, steel and alloy The dimethylglyoxime gravimetric method for the determination of nickel content GB/T 223.28 Methods for chemical analysis of iron, steel and alloy a-benzoin oxime gravimetric method for the determination of molybdenum content GB/T 223.37 Methods for Chemical Analysis of Iron, Steel and Alloy Distillation - Indophenol Blue Photometric Method for the Determination of Nitrogen Content GB/T 223.40 Steel and alloy - Determination of niobium content - Chlorosulphonol S spectrophotometric method GB/T 223.60 Methods for chemical analysis of iron, steel and alloy - The perchloric acid dehydration gravimetric method for the determination of silicon content GB/T 223.62 Methods for chemical analysis of iron, steel and alloy - The butyl acetate extraction spectrophotometric method for the determination of phosphorus content GB/T 223.63 Methods for chemical analysis of iron, steel and alloy - The sodium periodate (potassium) photometric method for the determination of manganese content GB/T 223.68 Methods for chemical analysis of iron, steel and alloy - The potassium iodate titration method after combustion in tube furnace for the determination of sulfur content GB/T 228.1 Tensile testing of metallic materials - Part 1. Room temperature test method GB/T 228.2 Tensile testing of metallic materials - Part 2. High temperature test methods GB/T 241 metal tube hydraulic test method GB/T 242 metal pipe flaring test methods GB/T 246 metal tube flattening test methods GB/T 2975 steel and steel products mechanical properties test sampling location and sample preparation GB/T 3280-2015 stainless steel cold rolled steel sheet and strip GB/T 4237-2015 stainless steel hot-rolled steel sheet and strip Corrosion of metals and alloys - Test method for intergranular corrosion of stainless steels GB/T 4334-2008 Testing methods for eddy current testing of steel tubes GB/T 7735-2004 GB/T

Preview: page 3 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cj-t-151-2016

10125-2012 artificial atmosphere corrosion test salt spray test GB/T 11170 stainless steel content of multiple elements Determination of spark discharge atomic emission spectrometry (conventional method) GB/T 17219 drinking water distribution equipment and protective materials safety evaluation criteria GB/T.20066 Steel and iron - Determination of chemical composition of the sample sampling and sample preparation methods GB/T.20123 Steel - Determination of total carbon and sulfur content High frequency induction furnace combustion infrared absorption method (conventional method) GB/T.20124 Determination of nitrogen content of steel inert gas melting heat conduction method (conventional method)

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