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

GB/T 28295-2012

General specification of superalloy tubes

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Foreword

This standard rule according to GB/T 1.1-2009 given draft.

The standard proposed by China Iron and Steel Association.

This standard by the National Steel Standardization Technical Committee (SAC/TC183) centralized.

This standard drafting of the main unit. Iron and Steel Research Institute, Metallurgical Industry Information Standards Institute.

Drafters of this standard. Yuan Ying, Zhuangjing Yun, Zhang, Qiang Dai, Luan Yan.

Introduction

This standard is wrought superalloy pipe general technical conditions that do not involve the application of a specific alloy condition and performance, only the technical

Requirements and inspection rules to make general provisions. This standard should be supporting the use of special technical documentation, not be used for ordering.

General technical conditions of high temperature alloy tube

1 Scope

1.1 standard specifies through heat, cold production technology wrought superalloy pipe products delivery requirements, test methods, inspection rules

And delivery conditions and other technical content.

1.2 This standard applies to craft seamless pipe, welded or cold-rolled (pull) process pipe (hereinafter referred to as tubes).

1.3 When the contract or special technical documents provisions are inconsistent with the provisions of this standard, should be dedicated to the contract or technical documents.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article

Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 223 (all parts), steel and alloy chemical analysis method

RT Test Method. Test Part 1 GB/T 228.1 metal material tensile

GB/T 230.1 metallic materials - Rockwell hardness test - Part 1. Test methods (A, B, C, D, E, F, G, H, K, N, T scale)

GB/T 231.1 metallic materials Brinell hardness test - Part 1. Test methods

GB/T 241 metal pipe Hydrostatic pressure testing

Opening Test Method GB/T 242 metal tube expansion

GB/T 246 Test Method for flattening metal pipe

Creep and endurance test methods GB/T 2039 metal extension

GB/T 2102 steel pipe acceptance, packaging, marking and quality certification of general provisions

GB/T 4338 high-temperature metallic materials - Tensile testing

GB/T 4340.1 metallic materials - Vickers hardness test - Part 1. Test methods

GB/T 5777-2008 seamless steel pipe ultrasonic testing method

GB/T 6394 metal average grain size determination method

GB/T 7735 steel pipe eddy current testing method

GB/T 14992-2005 between high temperature alloys and high-temperature materials intermetallic compound of Classification and designation

GB/T 14999.1 superalloy bars low acid leaching test method longitudinal magnification

GB/T 14999.2 superalloys lateral low acid leaching test methods for magnification

GB/T 14999.4 superalloy microstructure test method

Between GB/T 15260 nickel base alloy corrosion test methods

GB/T 17395 seamless steel pipe size, shape, weight and tolerance

GB/T 20066 Determination of the chemical composition of iron and steel sampling and preparation of samples by

Determination of GB/T 20127 (all parts) and alloy steel trace elements

GB/T 25829 superalloy chemical composition of the finished product tolerance

YB/T081 metallurgical technology standard rounding off the detected value determination principles

HB5354 heat treatment process quality control

3 Terms and Definitions

GB/T 14999.1, GB/T 14999.2, GB/T 14999.4 defined and the following terms and definitions apply to this document.