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

CJ/T 192-2017

Replacing CJ/T 192-2004

**Composite steel pipe stainless?steel lined
(English Translation)**

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Foreword

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

This standard replaces CJ/T 192-2004 "Lined stainless steel composite pipe." In the drafting of this standard reference API5LD Corrosion-resistant alloy composite steel pipe, compared with CJ/T 192-2004, the main technical content changes are as follows.

--- Use of the scope of delivery of drinking water, fire water, high temperature water, air conditioning water, sewage and other water supply and drainage and steam, gas and other purposes;

--- Expand the nominal size to DN1400, according to different base pipe execution standards, the use of base pipe grade, composite pipe diameter and wall thickness increase Specific rules for allowing work pressure. Increase the specific regulations for the allowable working pressure of the different connection methods at the end of the composite pipe;

--- Added terms and definitions, order contents, weight calculation methods;

--- For the welding of welded composite pipes, increase the size of the end of the outer diameter of the provisions;

--- The shear strength of the base pipe and liner shear test increased to 0.3 MPa. Adds base pipe and lining for composite pipes larger than DN250 Tube clamping force test

requirements and test methods, and stipulate that for composite pipes larger than DN250 and not greater than DN600, Test by either of the two methods.

This standard is proposed by the Institute of Standardization of Housing and Urban-Rural Development Standards.

This standard is under the jurisdiction of the Ministry of Housing and Urban-Rural Construction Water Supply and Drainage Standardization Technical Committee.

1 Scope

This standard specifies the terms and definitions of liner stainless steel composite pipes (hereinafter referred to as "composite pipes"), ordering contents, markings, materials, and requirements.

Requirements, test methods, inspection rules, packaging, marks, and quality certificates.

This standard applies to the nominal size is not greater than DN1400, the transmission of drinking water, fire water, high temperature water, air conditioning water, sewage and other water supply Composite pipes for water, steam and gas applications.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 241 Metal Tube Hydraulic Test Method GB/T 246 Metal Tube Flattening Test Method Acceptance, packaging, marking and quality certificate of GB/T 2102 steel pipe GB/T 3091 Welded steel pipe for conveying low pressure fluids GB/T 3287 malleable cast iron pipe fittings GB 5135.11 Automatic Sprinkler Systems Part 11. Grooved Pipe Fittings GB/T 8163 seamless steel pipe for conveying fluid GB/T 9119 flat welded steel pipe flange GB/T 9122 Flanged Ring Plate Loose Steel Pipe Flange GB/T 9711 steel pipes for oil and gas industry pipeline transmission systems GB/T 12771 stainless steel welded pipe for fluid transport GB/T 14976 stainless steel seamless pipe for fluid transport GB/T 17219 Safety Evaluation Standard for Drinking Water Distribution Equipment and Protective Materials for Drinking Water GB/T 19228.2 Stainless Steel Compression Fittings - Part 2. Thin-walled stainless steel tubes for connection GB/T 21832 austenitic-ferritic duplex stainless steel welded steel pipe GB/T 20878 stainless steel and heat-resistant steel grades and chemical composition GB/T 23257 buried steel pipe polyethylene coating GB/T 28897 steel plastic composite pipe GB/T 31940-2015 Bimetallic Composite Corrosion Resistant Steel Pipes for Fluid Transport GB 50268 Water Supply and Drainage Pipeline Project Construction and Acceptance Specifications SY/T 5037 Submerged arc welded steel pipe for ordinary fluid conveying pipeline SY/T 5038 straight seam high-frequency welded steel pipe for ordinary fluid conveying pipe

3 Terms and Definitions

The following terms and definitions apply to this document.