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

CJ/T 520-2017

**Light gauge stainless steel press fittings with clamp ring
(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 refers to the German gas and water professional association standard DVGW W534.2015 "fittings and fittings in drinking water installations", DVGWVP614.2005 "Test specification of metal pipe clamped connections for gas transmission", and compiled in conjunction with China's specific conditions this standard.

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 classification and marking of toothed ring compression thin-walled stainless steel pipe fittings, structure type and size, requirements, test methods,

and inspection rules.

Then, signs, packaging, transportation and storage.

This standard applies to the transmission of liquid medium when the nominal pressure is not greater than 2.5MPa, the temperature is not greater than 110 °C, when conveying gas medium nominal the pressure is not more than 1.6MPa and the nominal size is not more than DN100. It is used to transport domestic water (cold water, hot water), drinking water, medical gas, and Heat, compressed air, inert gas, fuel gas, fuel oil, etc. are used in the design, manufacture, and acceptance of toothed ring pressurised thin-walled stainless steel piping.

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 191 packaging and storage icon logo GB/T 223.11 Determination of chromium content in steels and alloys Visual titration or potentiometric titration GB/T 223.16 Methods for chemical analysis of iron, steel and alloy - The chromotropic acid photometric method for the determination of titanium content GB/T 223.25 Methods for chemical analysis of iron, steel and alloy. Determination of nickel by dimethylglyoxime gravimetric method GB/T 223.28 Methods for chemical analysis of steels and alloys - Determination of molybdenum content with benzo-benzoin gravimetric method GB/T 223.37 Methods for chemical analysis of iron, steel and alloy - The distillation and indigo blue photometric method for the determination of nitrogen content GB/T 223.40 Determination of niobium content in steels and alloys - Chlorophenol P spectrophotometric method GB/T 223.60 Methods for chemical analysis of iron, steel and alloy. 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 (potassium) periodate 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 for the determination of sulfur after combustion in a tubular furnace GB/T 1804-2000 Tolerances for tolerances of linear and angular dimensions for general tolerances GB/T 1954 Measurement method of ferrite content in chromium-nickel austenitic stainless steel welds GB/T 2100 general purpose corrosion resistant steel castings GB/T 2828.1 Count Sampling Inspection Procedures Part 1. Batch Inspection Sampling Plans Retrieved by Acceptance Quality Limit (AQL) GB/T 3280 stainless steel cold rolled steel plate and strip GB/T 4334-2008 Corrosion of metals and alloys Stainless steel intergranular corrosion test method GB/T 4340.1 Vickers hardness test of metallic materials Part 1. Test methods GB/T 6394 Determination of average grain size of metals GB/T 7306.1 55° sealing

pipe thread - Part 1. Cylindrical internal thread and conical external thread GB/T 10125
artificial atmosphere corrosion test salt spray test GB/T 11170 Determination of
multi-element content of stainless steel Spark discharge atomic emission spectrometry
(conventional method) GB/T 12771 stainless steel welded pipe for fluid transport GB/T
17219 Safety Evaluation Standard for Drinking Water Distribution Equipment and Protective
Materials for Drinking Water GB/T 18851 Non-destructive testing penetrant inspection
standard test block GB/T 19228.3 Stainless Steel Compression Fittings Part 3. O-Ring
Rubber Seals