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

CJ/T 511-2017

Replacing CJ/T 3012-1993

Cast iron manhole cover

铸铁检查井盖

(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 is the revision of CJ/T 3012-1993 "cast iron inspection manhole cover", compared with the CJ/T 3012-1993 main technical changes as follows.

- Modify the scope of application (see Chapter 1, 1993 edition Chapter 1);
- Increasing the normative references (see Chapter 2);
- Added some terms and definitions (see Chapter 3);
- Increased classification and structure (see 4.1, 4.2);
- Removed the product model and marking examples (1993 version of Chapter 4);
- Removed the bearing level chapter (1993 edition of Chapter 5);
- Added material chapter proposed ductile iron material performance requirements (see Chapter 5);
- Increase the inspection covers cover noise, anti-theft, anti-displacement, anti-fall basic provisions (see Chapter 6);
- Increased inspection covers parts requirements (see Chapter 7);
- Increased part of the appearance and size requirements (see 7.1, 7.2);
- Modify the carrying capacity and residual deformation classification level requirements

(see 7.3);

--- Increasing the size of the test pad size requirements (see 8.1.1.2);

--- Increasing the carrying capacity of the test point of the relevant provisions (see 8.2.3.1);

--- Increased part of the test items (see 9.3.1).

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 Municipal Standardization Technical Committee centralized.

This standard was drafted. Beijing Municipal Engineering Research Institute, Handan City Hongguang Casting Co., Ltd., Nanjing Municipal Public Works Quality Inspection Central Station, Beijing Construction Engineering Quality Third Testing Co., Ltd., Beijing Liuhe foundry, Beijing Sifang steel such as concrete Co., Ltd., Shanxi Jincheng Jiufeng Casting Co., Ltd., Fuzhou Planning and Design Institute, Fujian Province, Tung-lin Construction Engineering Company Limited.

1 Scope

This standard specifies the terms and definitions cast iron inspection covers, classification and structure, materials, general requirements,, test methods, testing Rules, marking, packaging, shipping and storage.

This standard applies to installed in landscaping areas, sidewalks, non-motorized lanes, motor vehicles, parking, freight terminals, airports and other ground Jingjing net openings (CO) not more than 900mm cast iron inspection covers manufacturing and testing.

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 1348 ductile iron parts GB/T 6414 casting dimensional tolerances and machining allowance Liquid unsaturated polyester resin for GB/T 8237 fiber reinforced plastics Casting carbon steel parts for general engineering use GB/T 11352-2009 GB/T 14408 general engineering and structural low alloy steel castings HG/T 3080 Shockproof rubber products with rubber materials

3 Terms and definitions

The following terms and definitions apply to this document.

Single casting sample singlecastingtestblock Specimens cast separately may not be the same lot as the product.

Attached cast test sample attachedcastingblock Specimens cast at the same time as cast parts use the same batch of material as the parts.

Manhole cover inspection manholecover Check the wellhead can open the closure, the well cover and well seat composition.

Manhole cover

Inspect the openable part of the manhole cover to close the inspection wellhead.

Manhole manholeframe Inspect the part of the manhole that is fixed to the inspection wellhead for receiving the manhole cover.

Embed depth inlaiddepth the depth from the top surface of the well seat to the elevation of the bottom surface of the manhole cover.