

ICS 21.060.50

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**GB**

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

中华人民共和国国家标准

**GB/T 119.1-2000**  
**eqv ISO 2338:1997**

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**Parallel Pins, of unhardened steel and austenitic  
stainless steel**

圆柱销 不淬硬钢和奥氏体不锈钢

**Issued on September 26, 2000**

**Implemented on February 01, 2001**

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Issued by the State Bureau of Quality Technical Supervision (CSBTS)

## Foreword

This standard is identical to the international standard ISO 2338:1997 "Parallel Pins, of Unhardened Steel and Austenitic Stainless Steel".

This standard is a part of the national standard series of "Pin" products, and this series includes the following:

- a) Cotter: GB/T 91;
- b) Taper pin: GB/T 117, GB/T 118, GB/T 877 and GB/T 881;
- c) Straight pin: GB/T 119.1, GB/T 119.2, GB/T 120.1, GB/T 120.2, GB/T 878 and GB/T 880;
- d) Axis pin: GB/T 882;
- e) Spring pin: GB/T 879.1, GB/T 879.2, GB/T 879.3, GB/T 879.4 and GB/T 879.5;
- f) Groove pin: GB/T 13829.1, GB/T 13829.2 and GB/T 13829.3

The packing technical requirements are not specified in ISO 2338, but specified in this standard (Table 2).

Simplified marks are not specified in ISO 2338. But this standard provides the example of simplified marks (Article 5.2) in accordance with the simplification principle of GB/T 1237.

This standard is one of the revised editions of GB/T 119-1986, and the main changes are as follows:

- a) Cancel A, C and D types; cancel the diameter tolerance of h11 and u8 and specify that other tolerances shall be agreed between the supplier and the purchaser (Figure 1 and Table 1);
- b) Add the specification that nominal length  $l$  greater than 200mm shall be ascended by 20mm (Table 1).
- c) Adjust the specification about material and heat treatment (Table 2) in complete way;
- d) Add non-surface treatment and phosphating for steel pin (Table 2);
- e) Specify clearly that all the tolerances are applicable to the tolerance before coating and plating only (Table 2).

From the implementation data hereof, this standard will replace the related part of GB/T 119-1986.

This standard is proposed by the State Bureau of Machine Building Industry.

This standard is under the jurisdiction of Fastening Piece Technical Committee for Standardization of China.

Academy of Machinery Science & Technology is in charge of and Beijing Fasteners Industrial (Group) Company and Shanghai Liubiao Fasteners Co., Ltd. participate in drafting this standard.

The Secretariat of National Technical Committee on Fasteners of Standardization Administration of China is responsible for the explanation of this standard.

## **ISO Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 2338 was prepared by Technical Committee ISO/TC 2, Fasteners.

This second edition cancels and replaces the first edition (ISO 2338:1986), which has been technically revised.

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GB/T 119.1-2000 eqv ISO 2338:1997  
Replace the related part of GB/T 119-1986

Parallel Pins, of Unhardened Steel and Austenitic Stainless Steel

圆柱销 不淬硬钢和奥氏体不锈钢

### 1 Scope

This standard specifies the characteristics of parallel pins of unhardened steel and austenitic stainless steel, with nominal diameters  $d$  from 0.6 mm to 50 mm inclusive.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. When published, all the shown versions are valid. All the standards will be modified, and all parties using this standard shall discuss the possibility of using the latest version.

GB/T 90-1985 Acceptance inspection, marking and packaging of fasteners (eqv ISO 3269:1984)

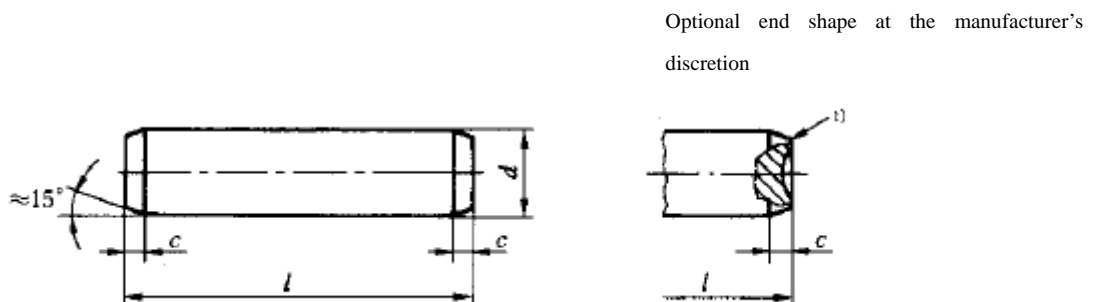
GB/T 1237-2000 Designation system for fasteners (eqv ISO 8991:1986)

GB/T 3098.6-2000 Mechanical properties of corrosion-resistant stainless-steel fasteners-Part 1: Bolts, screws and studs (idt ISO 3506-1:1997)

GB/T 5267-1985 Electroplated coatings on threaded fasteners

GB/T 11376-1997 Phosphate conversion coatings for metals (eqv ISO 9717:1990)

### 3 Dimensions



1) Radius and dimpled pin end permissible

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