

Translated English of Chinese Standard: GB/T1703-2017

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# GB

NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA

ICS 83.160.10

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## GB/T 1703-2017

Replacing GB/T 1703-2008

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### Cycle inner tubes

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**Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the PRC;**

**Standardization Administration of the PRC.**

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## Foreword

This Standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB/T 1703-2008 "Cycle inner tubes". As compared with GB/T 1703-2008, the main technical changes are as follows:

- DELETE references to GB/T 1702 and HG/T 2942 (SEE Chapter 2 of the 2008 version), ADD references to GB 1796.1 and GB 1796.2 (see Chapter 2);
- For "Table 1 -- Other main properties of inner tubes", ADD the item of elongation at break of inner tubes; For the adhesive strength test of rubber base valve and tube body, ADD Footnote a; MODIFY the specification classification description in the index column of machine test mileage (SEE 4.4.2, the 4.4.2 of the 2008 version);
- ADD the measuring position and measuring method for inner tube inflating volume when detecting inner tube airtightness, and MODIFY the inflating volume of Category B inner tube (SEE 5.1.1, the 5.1.1 of the 2008 version);
- ADD the tensile test method for elongation at break of inner tubes (SEE 5.2).

This Standard was proposed by China Petroleum and Chemical Industry Federation.

This Standard shall be under the jurisdiction of China National Technical Committee for Tyres and Rims Standardization (SAC/TC 19).

Drafting organizations of this Standard: Jiantai Rubber (Shenzhen) Co., Ltd., Sichuan Yuanxing Rubber Co., Ltd., Guangzhou Rubber Industry Products Research Institute Co., Ltd., Xiamen Cheng Shin Enterprise Co., Ltd., Guangzhou Feixuan Rubber Co., Ltd., Tianjin Wanda Tyre Group Co., Ltd., New Dongyue Group Co., Ltd.

Main drafters of this Standard: Chen Qingsong, Wang Qingyi, Qiu Linghong, Zhang Guangfu, Zhu Hongsoo, Li Ruihua, Huang Yaopeng, Yu Zhenjiang, Xuan Zhaomin.

The previous releases of versions of the standard replaced by this Standard are:

- GB 1703-1979, GB 1703-1986, GB/T 1703-1992, GB/T 1703-1997, GB/T 1703-2008.

## Cycle inner tubes

### 1 Scope

This Standard specifies the categories, requirements, test methods, and marking of inner tubes.

This Standard is applicable to the model vulcanized inner tube which assembles cycle tyre.

This Standard is not applicable to non-model vulcanized inner tube and the inner tube for tubular racing-car tyre.

### 2 Normative references

The following documents are indispensable for the application of this document. For the dated references, only the versions with the dates indicated are applicable to this document. For the undated references, the latest version (including all the amendments) are applicable to this document.

GB/T 528 Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties

GB/T 1796.1 Tyre valves - Part 1: Tube clamp-in valves

GB/T 1796.2 Tyre valves - Part 2: Rubber base valves

GB/T 7377 Series of cycle tyres

GB/T 9749 Performance testing method for cycle tyres

### 3 Categories of inner tube

According to the different materials used to make inner tubes, inner tubes are divided into two categories:

- Natural rubber and natural rubber-based inner tubes are Category A;
- Butyl rubber and butyl rubber-based inner tubes are Category B.

### 4 Requirements

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