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

GB/T 1796.3-2017

**Tyre valves -- Part 3: Snap-in valves
(English Translation)**

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Foreword

GB/T 1796 "Tyre valves" is divided into seven parts.

- Part 1. Tube clamp-in valves;
- Part 2. Rubber base valves;
- Part 3. Snap-in valves;
- Part 4. Tubeless clamp-in valves;
- Part 5. Tyre valves for large core chamber;
- Part 6. Cores;
- Part 7. Components.

This is Part 3 of GB/T 1796.

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

This Part replaces GB/T 1796.3-2008 "Tubeless valves - Part 3. Snap-in valves".

As compared with GB/T 1796.3-2008, the main technical changes are as follows.

- ADD "Part 7. Components" to the foreword (SEE the foreword);
- ADD the normative reference "GB 1796.7" (SEE Chapter 2);
- ADD the CN01C, CN02C, CQ07C, CQ08C valves (SEE Chapter 5, Chapter 6);
- MODIFY the structure, dimensions, and material of components (SEE 6.2, 6.3; 6.2, 6.3 of the 2008 version);
- MODIFY the provisions on appearance (SEE Chapter 7; Chapter 7 of the

2008 version);

- MODIFY assembly performance (SEE Chapter 9; Chapter 9 of the 2008 version);
- MODIFY the combination of rubber and metal body (SEE Chapter 10; Chapter 10 of the 2008 version);
- DELETE the tightness of sealing cap (11.2 of the 2008 version);

Tyre valves - Part 3. Snap-in valves

1 Scope

This Part of GB/T 1796 specifies the terms and definitions, designation marking, structural style, structure, dimensions and material of the components, appearance, rubber hardness of valve body, assembly performance, combination of rubber and metal body, tightness, ozone resistance, blasting, flexure resistance, test methods, inspection rules, identification, packaging, and storage of snap-in valves (hereafter known as valves for short).

This Part applies to valves for tubeless tyres for cycles, motorcycles, cars, light trucks, and trucks.

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 1796.6 Tyre valves - Part 6. Cores

GB/T 1796.7 Tyre valves - Part 7. Components

GB/T 2828.1-2012 Sampling procedures for inspection by attributes - Part 1.

Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 9764 Tyre valve - Core chambers

GB/T 9765 Tyre valve threads

GB/T 9766.3 Test method for tyre valve - Part 3. Snap-in valves

GB/T 12839 Terms and definitions of tyre valves

GB/T 21285 Tubes valves - Identification system for valves and their components

3 Terms and definitions

Table 3

Designation Maximum operating pressure/kPa

DQ07C, DQ08C, CR01, CR02, CN01C, CN02C 450

CQ01~CQ06 475

CQ07C, CQ08C 550

12 Ozone resistance

After the ozone resistance test, there shall be no cracks on the valve body rubber.

13 Blasting

After the blasting test, the valve shall not blast.

14 Flexure resistance

After the flexure resistance test, there shall be no obvious cracks on the valve body rubber.

15.1 Appearance

Visual inspection.

15.2 Throat diameter and cone position

USE special gauge or universal measuring tool to measure.

15.3 Pitch diameter, major diameter of external thread; pitch diameter, minor diameter, and depth dimensions of internal thread

USE thread go-no go gauge to measure the pitch diameter of external thread, and the pitch diameter and depth of internal thread. USE smooth go gauge, smooth no gauge, or universal measuring tool to measure the major diameter of external thread and the minor diameter of internal thread.

17.1.1 There shall be manufacturer and product designation identifications on the valve body.

17.1.2 The following identifications shall be provided on the packaging box.

- a) Manufacturer's name and address, trademark;
- b) Product name;
- c) Product designation;
- d) Quantity;
- e) Exit-factory date.

17.2.1 The product can be packaged in sets or packaged according to the components.