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

GB 15323-2009

Replacing GB 15323-1994

Inner tubes for aircraft tyres

航空轮胎内胎

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Standardization Administration of the PRC**

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1.36 HZD-45 6.50-10 - - 1.6 2.5

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Appendix A

Foreword

The standard Chapter 4, Chapter 7 are mandatory, the rest are recommended. This standard replaces GB 15323-1994 "aviation tire tube." The main differences between this standard and GB 15323-1994 are.

- Adds new aviation tube specifications (Excerpts of Table 1, Table 2);
- Increased aviation tube supporting the valve model (Excerpts of Table 1, Table 2);
- Increased physical performance tube (edition 4.4);
- Increased sampling and testing content measuring tube thickness (edition 5.2);
- Increasing the representation of the contents of the tube size marks (edition 4.1);
- Added Appendix A;
- Remove the packaging content (1994 edition 6.2). Appendix A of this standard is an informative annex. The standard proposed by China Petroleum and Chemical Industry Association. The standard tire rim by the National Technical Committee of Standardization

Technical Committee centralized aircraft tires. This standard was drafted. Rubber Group Shuguang Rubber Industry Research and Design Institute, Shenyang third rubber plant, Yinchuan Rubber Factory. The main drafters of this standard. Wang Shunyi, Song Yuliang, Qi Liping. This standard replaces the standard for the previous editions.

--- GB 15323-1994. Aviation tire tube

1 Scope

GB 15323 is the product standard for the inner tubes used in civil aircraft tyres, a component that has to hold pressure through the temperature swing between a cold cruise and a hot landing, and through the deflection of a tyre carrying an aircraft at touchdown speed. It sets the requirements, the test methods, the inspection rules and the marking, storage and use provisions, and it applies to inner tubes for all types of civil aviation tyre. It is mandatory. Issued on 15 December 2009, in force since 1 October 2010, replacing GB 15323-1994. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the edition it replaces are taken from there. The clause text, the tables and the numeric limits are not reproduced on this page - they are in the document itself, which is delivered in full in English translation.

This standard specifies the requirements of civil aviation tire tube, test methods, inspection rules, marking, storage and use. This standard applies to all types of civil aviation tires.

1.47 HZH-70 18 x 5.5 - 41 2.5 3.8 1.59 - 19.00-23 - 197 3.0 3.8

16.30 HZE-131 20.00-20 1-- 3.6 4.6 15.42 - 22 x 7.25-11.5 - - 2.5 3.8 1.67 - 24 x 7.7 - 64
2.5 3.8 2.73 - 25 x 6.0 - - 2.3 3.5

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 532 vulcanized rubber or thermoplastic rubber and fabric adhesive strength was measured (GB/T 532-2008, ISO 36.2005, IDT)

GB/T 6326 tires terms and definitions (GB/T 6326-2005, ISO 4223-1.2002, NEQ)

GB/T 15324 aviation tire tube physical performance test method HG2195 aviation and maintenance of tires HG2484 aviation tube valve HG2485 aviation tube valve core

3 Terms and Definitions

Terms and definitions GB/T 6326 established apply to this standard.

3.63 HZD-32b 12.5 x 4.5 - - 2.0 2.5

0.81 HZC-64 12.50-16 - - 2.6 3.3 3.85 - 15.50-20 - - 2.6 3.6

3.86 HZE-86 34 x 9.9 - 90 3.0 4.1

4.54 HZE-86 a formula suitable for flat rim; b For-deep rim. Table 2 of the tube size, thickness, quality, and valve type (Metric) Tube specifications Within weeks curtain Cloth layers The inner circumferential ply Width/mm Thickness/mm (not less than) Crown base Quality/kg (no greater than) Valve model 330 x 130 - - 2.0 2.5

0.55 HZH-72 330 x 130 - - 2.0 2.5

0.65 Z9-65 special 380 x 150-5 - - 1.6 1.8 0.64 - 400 x 150 - - 2.0 2.5

0.95 HZA-90 480 x 200 - - 2.0 2.3

4.1.2 Metric logo representation example. 660 x 200 330 x 130 -

5 Nominal outside diameter of the nominal section width nominal rim diameter (inches)

4.2 specification, thickness, quality and type valve

4.2.1 Inch specifications mark the tube size, thickness, and quality of valve type should be consistent with Table 1. Metric tube size designation Regulation Georgia, thickness, and quality of valve type should comply with the provisions of Table 2. Table 1 of the tube size, thickness, quality, and valve type (inch) Tube specifications Within weeks curtain Cloth layers The inner circumferential ply Width/mm Thickness/mm (not less than) Crown base Quality/kg (no greater than) Valve model 5.00-5 - - 1.6 1.6 0.64 - 6.00-6 - - 1.6 1.6

0.96 HZD-45 6.50-8 - - 1.6 1.6

5.1 Airtight performance test

5.1.1 Test inflatable park At room temperature, the tube is inflated to increase the cross-sectional circumference of about 10%, tighten the valve core, at least park 24h, measuring section perimeter; if broken Reduce surface perimeter less than 1%, that is, airtight performance qualified.

5.1.2 Test sink

5.1.2.1 The inner tube is inflated to increase the cross-sectional circumference of about 10%, tighten the valve core, so that the entire tube is immersed in a water bath until the