

*For Comments Only*

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

*(Not to be reproduced without the permission of BIS or used as an Indian Standard)*

*भारतीय मानक मसौदा*

**विमान के भीतरी ट्यूब और ट्यूबलेस टायर वाल्व — कोर और  
कैप्स — परीक्षण विधियाँ**

*( पहला पुनरीक्षण )*

**Draft Indian Standard**

**Aircraft Inner Tube and Tubeless Tyre Valves — Cores and  
Caps — Test Methods**

*( First Revision )*

ICS: 83.160.20

---

<b>Air and Space Vehicles Sectional Committee, TED 14</b>	<b>Last date for receipt of comments is 28/08/2024</b>
---	--

---

**NATIONAL FOREWORD**

*(Identical Clause to be added later)*

This standard was originally published in 1986. The first revision of this standard has been undertaken to keep pace with the latest technological developments and align it with the latest version of ISO 9475: 1994.

The text of ISO standard has been proposed as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 37 : 2017 Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties.	IS 3400 (Part 1) : 2021/ISO 37 : 2017 Methods of test for vulcanized rubber: Part 1 determination of tensile stress — Strain properties ( <i>fourth revision</i> )	Identical under dual numbering
ISO 48:1994 Rubber, vulcanized or thermoplastic — Determination of hardness (hardness between 10 IRHD and 100 IRHD).	IS 3400 (Part 2) : 2023/ ISO 48-2 : 2010 Methods of test for vulcanized rubber Part 2 rubber, vulcanized or thermoplastic — Determination of hardness (Hardness Between 10 IRHD And 100 IRHD) ( <i>fourth revision</i> )	Identical under dual numbering
ISO 815:1991 Rubber, vulcanized or thermoplastic — Determination of compression set at ambient, elevated or low temperatures.	IS 3400 (Part 10/Sec 2) : 2020 ISO 815-2: 2019 Methods of Test for Vulcanized Rubbers Part 10 Compression Set Section 2 At low temperatures ( <i>second revision</i> )	Identical under dual numbering
ISO 868 : 2003 Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness).	IS 13360 (Part 5/Sec 11) : 2013/ ISO 868: 2003 Plastics - Methods of testing: Part 5 mechanical properties section 11 determination of indentation hardness by means of durometer (Shore Hardness) ( <i>first revision</i> )	Identical under dual numbering

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

In reporting the result of a test or analysis made in accordance with this standard, is to be rounded off, it shall be done in accordance with IS 2: 2022 'Rules for rounding off numerical-values (*second revision*)'.

## SCOPE

This International Standard specifies the test methods used for valve cores and caps for aircraft tyres, with or without inner tubes, and minimum airtightness standards. It constitutes a detailed method allowing products to be evaluated on the same basis, and results to be compared.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO ISO 9475:1994 or CONTACT:**

Head  
Transport Engineering Department  
Bureau of Indian Standards  
9 Bahadur Shah Zafar Marg  
New Delhi 110 002  
Email: [ted@bis.org.in](mailto:ted@bis.org.in), [hted@bis.org.in](mailto:hted@bis.org.in)  
Telefax: 011- 2323 6311