

For Comments Only

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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भारतीय मानक मसौदा

**वायनौभार उपस्कर — केवल उच्च क्षमता वाले वाययान के निचले डेक के लिए आधार
निग्राही प्रमाणित धारक**

(आई एस 8169 का दूसरा पुनरीक्षण)

Draft Indian Standard

**AIR CARGO EQUIPMENT — BASE — RESTRAINED CERTIFIED CONTAINERS
EXCLUSIVELY FOR THE LOWER DECK OF HIGH - CAPACITY AIR - CRAFT**

(Second Revision of IS 8169)

ICS: 55.180.30

**Air and Space Vehicles Sectional Committee,
TED 14**

**Last date for receipt of comments is
XX/XX/XXXX**

Air and Space Vehicles Sectional Committee, TED 14

NATIONAL FOREWORD

This draft Indian Standard (Second Revision) which is identical with ISO 6517 : 2013 ‘Air cargo — Certified lower deck containers — Design and testing’ issued by the International Organization for Standardization (ISO) will be adopted by the Bureau of Indian Standards on the recommendations of the Air and Space Vehicles Sectional Committee and approval of the Transport Engineering Division Council.

This standard was originally published in 1976 and subsequently revised in 1992. The second revision of this standard has been undertaken to keep pace with the latest technological developments and align it with the latest version of ISO 6517 : 2013.

The text of ISO standard is proposed 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:

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

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 4116 : 1986	Air cargo equipment — Ground equipment requirements for compatibility with aircraft unit load devices
ISO 7166 : 1985	Aircraft — Rail and stud configuration for passenger equipment and cargo restraint
ISO 8097: 2001	Aircraft — Minimum airworthiness requirements and test conditions for certified air cargo unit load devices (Endorsement of NAS 3610 10th edition)
ISO/TR 8647 : 1990	Environmental degradation of textiles used in air cargo restraint equipment

ISO 10046 : 1996	Aircraft — Methodology of calculating cargo compartment volumes
ISO 10327 : 1995	Aircraft — Certified aircraft container for air cargo — Specification and testing
ISO 11242 : 1996	Aircraft — Pressure equalization requirements for cargo containers
ISO 21100 : 2020	Air cargo unit load devices — Performance requirements and test parameters

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.

This Standard also makes a reference to the BIS Certification Marking of the Product. Details of which is given in National Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

SCOPE

This International Standard covers the minimum design and operational testing requirements for general purpose base-restrained containers exclusively intended for the lower deck compartments of main line civil transport aircraft, capable of being used by either airlines or shippers and requiring airworthiness authority approval (certification).

NOTE

1 The metric equivalents for dimensions have been rounded up or down to the nearest millimetre, except in critical dimensions. Masses have been rounded up to the nearest kilogram and forces have been rounded up to the nearest 10 N.

2 Containers with other base sizes than those specified by this International Standard can also be built to a lower deck contour, but they need not be carried exclusively on the lower deck. See ISO 10327.

This International Standard does not cover the performance requirements and ultimate load testing parameters for approval by airworthiness authorities (certification), which are covered

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IS 8169 : XXXX
ISO 6517: 2013

in ISO 21100 or, for units approved prior to 2012, ISO 8097 : 2001. The design and operational testing requirements of this International Standard are additional to those of these standards.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 6517 : 2013 or CONTACT:

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NATIONAL ANNEX A

(National Foreword)

A-1 BIS CERTIFICATION MARKING

A-1.1 The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark