

# INTERNATIONAL STANDARD

**ISO**  
**6517**

Second edition  
1992-08-15

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## **Air cargo equipment — Base-restrained certified containers exclusively for the lower deck of high-capacity aircraft**

*Équipement pour le fret aérien — Conteneurs certifiés à retenue par la  
base pour le pont inférieur des aéronefs à grande capacité exclusivement*



Reference number  
ISO 6517:1992(E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 6517 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Sub-Committee SC 9, *Air cargo and ground equipment*.

This second edition cancels and replaces the first edition (ISO 6517:1982), of which it constitutes a technical revision.

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International Organization for Standardization  
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

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## **Introduction**

The basic functions of containers are:

- a) the unitization of baggage, cargo or mail during ground handling and transportation, and
- b) the restraint of its contents in flight.

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# Air cargo equipment — Base-restrained certified containers exclusively for the lower deck of high-capacity aircraft

## 1 Scope

This International Standard covers the design, fabrication, performance and testing requirements for general-purpose base-restrained exclusively lower deck compartment preloaded containers for high-capacity aircraft, capable of being used by either airlines or by shippers and requiring airworthiness certification.

NOTE 1 The metric equivalents for dimensions have been rounded up or down to the nearest millimetre, except in critical dimensions. Weights have been rounded up to the nearest kilogram and forces have been rounded up to the nearest 5 N.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

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 8097:1986, *Aircraft — Minimum airworthiness requirements and test conditions for certified air cargo unit load devices (Endorsement of NAS 3610)*.

## 3 Basic container sizes and identification

3.1 The overall maximum dimensions of the containers are shown in figures 1 to 5.

They embrace two base sizes:

Size K: 1 562 mm × 1 534 mm (61,5 in × 60,4 in)

Size L: 3 175 mm × 1 534 mm (125 in × 60,4 in)

and eight contours:

Contour C: overall width 2 337 mm (92 in) (see figure 2)

Contour E: overall width 2 007 mm (79 in) (see figure 1)

Contour F: overall width 4 064 mm (160 in) (see figure 3)

Contour G: overall width 2 007 mm (79 in) (see figure 5)

Contour H: overall width 2 438 mm (96 in) (see figure 5)

Contour N: fork-liftable version of AKE container (see figure 1)

Contour P: overall width 3 175 mm (125 in) (see figure 3)

Contour U: overall width 4 724 mm (186 in) (see figure 4)

3.2 Containers complying with this International Standard are identified by three letters:

- the first letter A denoting certified class II aircraft container complying with the requirements of ISO 8097;
- the second letter denoting the base size;