

STANDARD

4171

Second edition
1993-09-15

Air cargo equipment — Interline pallets

Équipement pour le fret aérien — Palettes pour le transport aérien



Reference number
ISO 4171:1993(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 4171 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 4171:1980), of which it constitutes a technical revision.

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Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

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Air cargo equipment — Interline pallets

1 Scope

This International Standard establishes dimensional, structural and environmental requirements for pallets used to transport cargo in aircraft using nets meeting the requirements of ISO 4170.

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 4170:1987, *Air cargo equipment — Interline pallet nets.*

ISO 7166:1985, *Aircraft — Rail and stud configuration for passenger equipment and cargo restraint.*

ISO 8097:1993, *Aircraft — Minimum airworthiness requirements and test conditions for certified air cargo unit load devices.*

IATA, *Unit Load Devices (ULD) Technical Manual*, 5th edition.¹⁾

3 Dimensions

3.1 Basic pallet sizes

This International Standard establishes five basic sizes of pallets as given in table 1.

Table 1

Size code in accordance with ISO 8097	Pallet size	
	mm	in
A	2 235 × 3 175	88 × 125
B	2 235 × 2 743	88 × 108
K	1 534 × 1 562	60,4 × 61,5
L	1 534 × 3 175	60,4 × 125
M	2 438 × 3 175	96 × 125

3.2 Basic pallet configuration

The pallets consist of two basic components, a core and edge rails, forming an essentially flat panel designed to transport cargo on aircraft systems and to be handled on ramp and terminals with ground equipment meeting the standards listed in clause 2 as applicable. The aircraft conveyor systems may be defined as given in table 2.

1) Available from International Air Transport Association, 2000 Peel Street, Montreal, CANADA H3A 2R4 or Route de l'Aéroport 33, Case Postale 672, 1215 Geneva 15, SWITZERLAND.