

INTERNATIONAL
STANDARD

ISO
4115

Third edition
1997-12-01

Air cargo equipment — Air/land pallet nets

*Équipement pour le fret aérien — Filets de palettes pour le transport aérien
et de surface*



Reference number
ISO 4115:1997(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 4115 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 9, *Air cargo and ground equipment*.

This third edition cancels and replaces the second edition (ISO 4115:1987), of which it constitutes a technical revision.

Annex A of this International Standard is for information only.

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Air cargo equipment — Air/land pallet nets

1 Scope

This International Standard specifies dimensional, structural and environmental requirements for pallet nets up to 3 m (10 ft) in height to be used in freighter versions of high capacity fixed-wing aircraft and is intended to be used in conjunction with 2,44 m (8 ft) wide air only and air/land pallets described in ISO 4117

This International Standard establishes five basic sizes of pallet nets as given in table 1

Table 1 — Sizes of pallet nets

Pallet net size		Dimensions of the maximum load to be restrained by pallet net		Code (in accordance with ISO 8097)
m	ft	m	in	
3	10	2,44 × 2,99 × 3	96 × 117,75 × 118	2F1N
5	16	2,44 × 4,94 × 3	96 × 196 × 118	2R1N
6	20	2,44 × 6,05 × 3	96 × 238,5 × 118	2G1N
9	30	2,44 × 9,12 × 2,44	96 × 359,95 × 96	2H1N
12	40	2,44 × 12,19 × 2,44	96 × 480 × 96	2J1N

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 4117:1993, *Air and air/land cargo pallets — Specification and testing*

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

ISO 8097 1995, *Aircraft — Minimum airworthiness requirements and test conditions for certified air cargo unit load devices.*

ISO/TR 8647:1990, *Environmental degradation of textiles used in air cargo restraint equipment*

ISO 9788:1990, *Air cargo equipment — Cast components of double stud fitting assembly with a load capacity of 22 250 N (5 000 lbf), for aircraft cargo restraint*

IATA, *Unit Load Devices (ULD) Technical Manual*, 8th edition ¹⁾

3 Basic requirements

3.1 Configuration

The net assembly shall include netting, adjustment hardware and pallet attachment fittings. Configuration shall be as specified in figure 1.

3.2 Construction

3.2.1 Weatherproofing

Net construction shall be rugged and weather-resistant, thus minimizing maintenance and original cost

3.2.2 Fittings and appurtenances

All fittings and appurtenances shall be within the maximum outside dimensions of the net.

NOTE 1 The IATA *ULD Technical Manual* may be referred to for specific contours

1) Available from International Air Transport Association, 2000 Peel Street, Montreal, Canada H3A 2RA or Route de l'Aéroport 33, Case postale 672, 1215 Geneva 15, Switzerland