



BSI Standards Publication

Aircraft ground support equipment — Specific requirements

Part 11: Container/Pallet dollies and loose load trailers

National foreword

This British Standard is the UK implementation of ISO 32312-11:2024.

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A list of organizations represented on this committee can be obtained on request to its committee manager.

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**Aircraft ground support
equipment — Specific
requirements —**

**Part 11:
Container/Pallet dollies and loose
load trailers**

Matériel au sol pour aéronefs — Exigences particulières —

*Partie 11: Remorques porte-conteneur/porte-palette et pour
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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 List of hazards	3
5 Safety requirements and/or measures	3
5.1 General requirements	3
5.2 Structure	4
5.3 Platform	4
5.4 Load securing points	4
5.5 Steering	5
5.6 Manoeuvring	5
5.7 Wheel assemblies	5
5.8 Overrun brakes	5
5.9 Coupling and drawbars	5
5.10 Options	5
6 Information for use	6
6.1 Marking	6
6.2 Safety marking	6
6.3 Instructions	6
7 Verification of requirements	7
Annex A (informative) Typical designs of dollies and trailers	8
Annex B (normative) List of hazards in addition to those of EN 1915-1:2001	14
Annex C (informative) Conveying surface minimum design requirements for compatibility with aircraft ULD bases	15
Annex D (informative) Typical data for unit load devices	17
Annex E (informative) Coupling types	19
Bibliography	20

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.

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This document was prepared by the European Committee for Standardization (CEN) (as EN 12312-11:2005) and drafted in accordance with its editorial rules. It was assigned to Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 9, *Air cargo and ground equipment* and adopted under the “fast-track procedure”.

A list of all parts in the ISO 32312 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document specifies health and safety requirements, as well as some functional and performance requirements for container/pallet dollies and loose load trailers intended for moving unit load devices (ULD), loose freight, mail and baggage on an airport.

The minimum essential criteria are considered to be of primary importance in providing safe, serviceable, economical and practical container/pallet dollies and loose load trailers. Deviations from the recommended criteria should occur only after careful consideration, extensive testing, risk assessment and thorough service evaluation have shown alternative methods or conditions to be satisfactory.

This document is a type C standard as stated in both parts of ISO 12100.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

Aircraft ground support equipment — Specific requirements —

Part 11: Container/Pallet dollies and loose load trailers

1 Scope

This document specifies the technical requirements to minimise the hazards listed in [Clause 4](#) which can arise during the commissioning, operation and maintenance of container/pallet dollies and loose load trailers when carried out in accordance with the specifications given by the manufacturer or his authorised representative. It also takes into account some performance requirements recognised as essential by authorities, aircraft and ground support equipment (GSE) manufacturers as well as airlines and handling agencies.

This document applies to container/pallet dollies using ball-mat, inverted cargo castors, or rollers and loose load trailers intended to be used for the transportation of baggage and cargo on airports (examples, see [Annex A](#)).

This document does not apply to trailers of similar design as used on public roads, e.g., truck type trailers.

This document does not establish requirements for noise and vibration.

Noise and vibration are dealt with respectively in EN 1915-4 and EN 1915-3.

This document is not applicable to container/pallet dollies and loose load trailers which are manufactured before the date of publication by ISO of this document.

NOTE Certain measurements have been given in imperial units (in parentheses), following the metric measurements, since the containers/pallets to be handled are based mainly on the imperial system.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1050:1996, *Safety of machinery — Principles for risk assessment*

EN 1915-1:2001, *Aircraft ground support equipment — General requirements — Part 1: Basic safety requirements*

EN 1915-2+A1, *Aircraft ground support equipment — General requirements — Part 2: Stability and strength requirements, calculations and test methods*

ISO 12100-1:2003, *Safety of machinery — Basic concepts, general principles for design — Part 1: Basic terminology, methodology (ISO 12100-1:2003)*

ISO 12100-2:2003, *Safety of machinery — Basic concepts, general principles for design — Part 2: Technical principles (ISO 12100-2:2003)*