

**BS 1133-8:2011+A1:2016**



**BSI Standards Publication**

## **Packaging code**

**Part 8: Guidance on wooden boxes,  
cases and crates**

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Published by BSI Standards Limited 2016

ISBN 978 0 580 95095 7

ICS 55.160

The following BSI references relate to the work on this document:

Committee reference PKW/0

Drafts for comment 11/30197409 DC, 16/30345602 DC

**Publication history**

First published December 1943

Second edition, December 1950

Third edition, April 1981

Fourth edition, November 1991

Fifth (present) edition, December 2011

**Amendments issued since publication**

Date	Text affected
November 2016	A1 - See Foreword

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### Summary of pages

This document comprises a front cover, an inside front cover, pages i to vi, pages 1 to 116, an inside back cover and a back cover.

## Foreword

### Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 December 2011. It was prepared by Subcommittee PKW/0/-/11, *Packaging – Wood*, under the authority of Technical Committee PKW/0, *Packaging*. A list of organizations represented on this committee can be obtained on request to its secretary.

### Supersession

This part of BS 1133 supersedes BS 1133-8:2011, which is withdrawn.

### Information about this document

The start and finish of text introduced or altered by Amendment No. 1 is indicated in the text by tags **A1** and **A1**. Minor editorial changes are not tagged.

BS 1133-8:2011 was a full revision of the standard, and introduced the following principal changes:

- a change of status from code of practice to guidance document;
- the introduction of a new Annex A on health and safety issues;
- the introduction of a new Annex B on tables of sizes for skids sills and rails.

### Relationship with other publications

The packaging code now consists of the following parts:

- *Part 7.6: Paper and board wrappers, bags and containers – Moulded pulp packaging;*
- *Part 10.1: Metal containers – Tins and cans;*
- *Part 10.2: Metal containers – Metal drums;*
- *Part 15: Tensional strapping;*
- *Part 18: Packaging in glass;*
- *Part 19: Use of dessicants in packaging;*
- *Part 22: Packaging in plastics containers.*

Entry and dimensional requirements for pallet bases in cases and crates are covered worldwide by BS ISO 6780 and for Europe by BS EN 13382. The two do not conflict with each other but BS ISO 6780 allows additional pallet sizes which are used across Europe since there are few compatibility issues. However, individual local commercial contracts might not permit certain pallet types, materials or sizes.

### Use of this document

As a guide, this part of BS 1133 takes the form of guidance and recommendations. It should not be quoted as if it were a specification or a code of practice and claims of compliance cannot be made to it.

### Presentational conventions

The guidance in this standard is presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

*Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.*

**Contractual and legal considerations**

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**





## 1 Scope

This part of BS 1133 provides guidance for manufacturers, users and specifiers of wooden boxes, cases and crates for industrial, defence and other commercial applications.

This document contains guidance on wood species, sheet materials and fastenings likely to be encountered by UK manufacturers or export packers and gives guidance on the design of:

- a) industrial, defence and commercial cases and crates;
- b) ranges of smaller sawn wood boxes for general use;
- c) ranges of plywood and wood-based sheet boxes and cases;
- d) plywood cases of metal edge construction;
- e) wirebound boxes, crates and cases;
- f) warehouse storage containers.

This British Standard also gives brief guidance on sustainability and recycling.

Annex A contains health and safety information.

Annex B contains tables of sizes for skids sills and rails.

*NOTE 1 Knowledge of engineering principles is needed to produce a design specification from the information given in certain tables, particularly in relation to large cases and crates.*

*NOTE 2 Much of the information in this British Standard might also be of value in other areas where wood is used in packaging and distribution, e.g. agricultural boxes and pallets.*

## 2 Normative references

The following referenced documents are indispensable for the application 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.

BS EN 12246, *Quality classification of timber used in pallets and packaging*

BS EN 13183-2, *Moisture content of a piece of sawn timber – Part 2: Estimation by electrical resistance method*

BS EN 13246, *Packaging – Specification for tensional steel strapping*

BS EN 13427, *Packaging – Requirements for the use of European standards in the field of packaging and packaging waste*

BS EN 22872, *Complete, filled transport packages – Method for determination of resistance to compression*

BS EN 22874, *Complete, filled transport packages – Method of test for stacking using compression tester*

BS EN ISO 2234, *Packaging – Complete, filled transport packages and unit loads – Stacking tests using a static load*

BS EN ISO 4180, *Packaging – Complete, filled transport packages – General rules for the compilation of performance test schedules*

BS EN ISO 15867, *Intermediate bulk containers (IBCs) for non-dangerous goods – Terminology*

BS ISO 6780, *Flat pallets for intercontinental materials handling – Principal dimensions and tolerances*