

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2582.3—2003

**Complete, filled transport packages—Methods of test
Method 3: Stacking tests using a static load**

RECONFIRMATION NOTICE

Major stakeholders of this publication have reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 11 September 2020.

NOTES

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Complete, filled transport packages—Methods of test

Method 3: Stacking tests using a static load

PREFACE

This Standard was prepared by Standards Australia Committee PK-012, Physical Testing of Packages and Containers, to supersede (in part) AS 2582.3—1983, *Complete, filled transport packages—Methods of test, Part 3: Stacking, compression test*. This Standard is identical with and has been reproduced from ISO 2234:2000, *Packaging—Complete, filled transport packages and unit loads—Stacking tests using static load*.

As this Standard is reproduced from an International Standard, the following modifications apply:

- (a) Its number does not appear on each page of text and its identity is shown on the cover and title page.
- (b) In the source text, ‘this International Standard’ should read ‘this Australian Standard.’
- (c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to equivalent Australian Standards as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO		AS	
2206	Packaging—Complete, filled transport packages—Identification of parts when testing	2582	Complete, filled transport packages—Methods of test
		2582.1	Part 1: Identification of parts when testing
2233	Packaging—Complete, filled transport packages and unit loads—Conditioning for testing	2582.2	Part 2: Conditioning for testing
12048	Packaging—Complete, filled transport packages—Compression and stacking tests using a compression tester	2582.10	Part 10: Compression and stacking tests using a compression tester

INTRODUCTION

It is the responsibility of the user of this International Standard to establish appropriate health and safety practice in accordance with relevant legislation.

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1 Scope

This International Standard specifies three methods for carrying out a stacking test on a complete, filled transport package, or on a unit load, using a static load. Whichever method is employed, the test may be used to assess the performance of a package or a unit load, in terms of its strength or the protection that it offers to its contents when it is subjected to stacking. It may be performed either as a single test to investigate the effects (deformation, creep, collapse or failure) of stacking or as part of a sequence of tests designed to measure the ability of a package or a unit load to withstand a distribution system that includes a stacking hazard.

The test may also be used to investigate performance under particular conditions of loading, for example, when the bottom package in a stack rests on an open-decked pallet; or when the profile of the superimposed load is eccentric, as when it is supported on the bearers of a single-decked pallet which rests on a container. For such purposes, one of the three methods of carrying out the test may be more suitable than the others.

NOTE A method for carrying out a stacking test using a compression tester is given in ISO 12048¹.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 2206, *Packaging — Complete, filled transport packages — Identification of parts when testing*.

ISO 2233, *Packaging — Complete, filled transport packages and unit loads — Conditioning for testing*.

3 Term and definition

For the purposes of this International Standard, the following term and definition applies.

3.1

test item

a complete filled transport package or unit load

¹ ISO 12048, *Packaging — Complete, filled transport packages — Compression and stacking tests using a compression tester*.