



Safety of machinery

Part 3407: Safety of packaging machines—Group and secondary packaging machines

This Australian Standard is the identical adoption of EN 415-7:2006+A1:2008, Safety of packaging machines — Part 7: Group and secondary packaging machines, with the permission of the European Committee for Standardization - CEN, Avenue Marnix 17, B-1000 Brussels, Belgium

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Part 3407: Safety of packaging machines—Group and secondary packaging machines

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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee SF-041, Safety of Machinery.

The objective of this Standard is to specify the safety requirements for machine design, construction, installation, commissioning, operation, adjustment, maintenance and cleaning of group and secondary packaging machines. This applies to group and secondary packaging machines and the collating systems associated with them.

This Standard is identical with, and has been reproduced from, EN 415-7:2006+A1:2008, *Safety of packaging machines, Part 7: Group and secondary packaging machines*.

As this document has been reproduced from an International Standard, the following applies:

- (a) In the source text 'this European Standard' should read 'this Australian Standard'.
- (b) A full point substitutes for a comma when referring to a decimal marker.

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The terms 'normative' and 'informative' are used in Standards to define the application of the appendices or annexes to which they apply. A 'normative' appendix or annex is an integral part of a Standard, whereas an 'informative' appendix or annex is only for information and guidance.

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Foreword

This document (EN 415-7:2006+A1:2008) has been prepared by Technical Committee CEN/TC 146, "Packaging machines - Safety", the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2009, and conflicting national standards shall be withdrawn at the latest by January 2009.

This document includes Amendment 1, approved by CEN on 2008-05-25.

This document supersedes EN 415-7:2006.

The start and finish of text introduced or altered by amendment is indicated in the text by tags $\boxed{A1}$ and $\boxed{A1}$.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports essential requirements of EU Directives.

For the relationship with EC Directives, see informative Annex ZA, which is an integral part of this document.

Other standards produced by the Technical Committee are:

EN 415 Safety of packaging machines;

Part 1: Terminology and classification of packaging machines and associated equipment.

Part 2: Pre-formed rigid container packaging machines.

Part 3: Form, fill and seal machines.

Part 4: Palletisers and depalletisers.

Part 5: Wrapping machines.

Part 6: Pallet wrapping machines.

Part 8: Strapping machines.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

Group and secondary packaging machines are used extensively in Europe, in an increasingly wide range of industries. They contain several significant hazards and have the potential to cause serious injury.

This document is a type C standard as defined in the Introduction of EN ISO 12100-1:2003.

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

When provisions of this type C standard are different from those which are stated in type C 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.

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1 Scope

This European Standard applies to the following groups of machines:

Group and secondary packaging machines and the collating systems associated with them.

The individual machines are described in 3.2 of this European Standard.

This European Standard deals with safety requirements for machine design, construction, installation, commissioning, operation, adjustment, maintenance and cleaning of group and secondary packaging machines.

The extent to which hazards, hazardous situations and events are covered, are indicated in Clause 4.

Exclusions

This European Standard is not applicable to the following machines:

- machines that were manufactured before the date of publication of this document by CEN;
- strapping machines. These machines are covered by EN 415-8;
- crate loaders and un-loaders for pre-formed rigid containers. These machines are covered by EN 415-2;
- cartoning machines. Cartoning machines are covered by EN 415-3.

This European Standard does not consider the following hazards:

- use of group and secondary packaging machines in potentially explosive atmospheres;
- health, safety or hygiene hazards associated with the products that may be handled by the machines, but does include general advice on this subject;
- hazards that may be associated with electromagnetic emissions from group and secondary packaging machines;
- hazards that may be associated with decommissioning group and secondary packaging machines.

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.

EN 294:1992, *Safety of machinery — Safety distances to prevent danger zones being reached by the upper limbs*

EN 349:1993, *Safety of machinery — Minimum gaps to avoid crushing of parts of the human body*

EN 415-1:2000, *Packaging machines safety — Part 1: Terminology and classification for packaging machines and associated equipment*