



## **Safety of machinery**

### **Part 3408: Safety of packaging machines—Strapping machines**

This Australian Standard is the identical adoption of EN 415-8:2008, Safety of packaging machines — Part 8: strapping machines, with the permission of the European Committee for Standardization - CEN, Avenue Marnix 17, B-1000 Brussels, Belgium.



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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 safety requirements for machine design, construction, installation, commissioning, operation, adjustment, maintenance and cleaning of strapping machines. This applies to the following groups of machines—

- (a) Powered hand strapping tools.
- (b) Semi-automatic strapping machines.
- (c) Automatic strapping machines.
- (d) Horizontal pallet strapping machines.
- (d) Vertical pallet strapping machines.

This Standard is identical with, and has been reproduced from, EN 415-8:2008, *Safety of packaging machines, Part 8: Strapping machines*.

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- (ii) 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 415-8:2008) 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of an identical text or by endorsement, at the latest by July 2008, and conflicting national standards shall be withdrawn at the latest by July 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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 EU Directives, see informative Annexes ZA and ZB, which are an integral part of this document.

Other standards produced by this 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: Palletizers and depalletizers.*

*Part 5: Wrapping machines.*

*Part 6: Pallet wrapping machines.*

*Part 7: Group and secondary packaging 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 the United Kingdom.

## Introduction

Strapping 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.

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 that 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.

## 1 Scope

This European Standard applies to the following groups of machines:

- powered hand strapping tools;
- semi-automatic strapping machines;
- automatic strapping machines;
- horizontal pallet strapping machines;
- vertical pallet strapping machines.

The individual machines are described in 3.3.

This European Standard deals with safety requirements for machine design, construction, installation, commissioning, operation, adjustment, maintenance and cleaning of strapping 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:

- strapping tools that are powered exclusively by manual effort;
- strapping machines that were manufactured before the date of publication of this document by CEN.

This European Standard does not consider the following hazards:

- the use of strapping machines in potentially explosive atmospheres;
- the 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 can be associated with electromagnetic emissions from strapping machines;
- hazards that can be associated with decommissioning strapping machines.