

**BRITISH STANDARD**

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**BS EN  
415-4 : 1998**

# **Safety of packaging machines**

## **Part 4. Palletizers and depalletizers**

The European Standard EN 415-4 : 1997 has the status of a  
British Standard

ICS 55.200

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## Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee MCE/3, Safeguarding of machinery, to Subcommittee MCE/3/3, Packaging machines — Safety, upon which the following bodies were represented:

- Association of the British Pharmaceutical Industry
- Brewers and Licensed Retail Association
- British Robot Association
- British Soft Drinks Association Limited
- Dairy Industry Federation
- Food and Drink Federation
- Health and Safety Executive
- Liquid Food Carton Manufacturers' Association
- Processing and Packaging Machinery Association
- Scotch Whisky Association
- Trades Union Congress

The following body was also represented in the drafting of the standard, through a panel:

- Machinery Safety Equipment Manufacturers' Association

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### Amendments issued since publication

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The following BSI references relate to the work on this standard:  
Committee reference MCE/3/3  
Draft for comment 94/700221 DC

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## National foreword

This Part of BS EN 415 has been prepared by Subcommittee MCE/3/3, and is the English language version of EN 415-4 : 1997 *Safety of packaging machines — Part 4: Palletizers and depalletizers* published by the European Committee for Standardization (CEN).

### Cross-references

Publication referred to	Corresponding British Standard
	BS EN 292 <i>Safety of machinery — Basic concepts, general principles for design</i>
EN 292-1 : 1991	Part 1 : 1991 <i>Basic terminology, methodology</i>
EN 292-2 : 1991	Part 2 : 1991 <i>Technical principles and specifications</i>
EN 294 : 1992	BS EN 294 : 1992 <i>Safety of machinery — Safety distances to prevent danger zones being reached by the upper limbs</i>
EN 349 : 1992	BS EN 349 : 1993 <i>Safety of machinery — Minimum gaps to avoid crushing of parts of the human body</i>
EN 418 : 1992	BS EN 418 : 1992 <i>Safety of machinery — Emergency stop equipment, functional aspects — Principles for design</i>
	BS EN 614 <i>Safety of machinery — Ergonomic design principles</i>
EN 614 : 1995	Part 1 : 1995 <i>Terminology and general principles</i>
EN 774 : 1996	BS EN 774 : 1996 <i>Garden equipment — Hand held, integrally powered hedge trimmers — Safety</i>
EN 982 : 1996	BS EN 982 : 1996 <i>Safety of machinery — Safety requirements for fluid power systems and their components — Hydraulics</i>
EN 983 : 1996	BS EN 983 : 1996 <i>Safety of machinery — Safety requirements for fluid power systems and their components — Pneumatics</i>
EN 1037 : 1995	BS EN 1037 : 1996 <i>Safety of machinery — Prevention of unexpected start-up</i>
EN 1050 : 1996	BS EN 1050 : 1997 <i>Safety of machinery — Principles for risk assessment</i>
ENV 1070 : 1993	DD ENV 1070 : 1993 <i>Safety of machinery — Terminology</i>
EN 1088 : 1995	BS EN 1088 : 1996 <i>Safety of machinery — Interlocking devices associated with guards — Principles for design and selection</i>
	BS EN 60204 <i>Safety of machinery — Electrical equipment of machines</i>
EN 60204-1 : 1992	Part 1 : 1993 <i>Specification for general requirements</i>

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### Summary of pages

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