

Australian Standard™

Safety of machinery

**Part 1202: General principles—
Technical principles**

STANDARDS
Australia



This Australian Standard was prepared by Committee SF-041, General Principles for the Guarding of Machinery. It was approved on behalf of the Council of Standards Australia on 18 April 2006.
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The following are represented on Committee SF-041:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Department for Administration and Information Services, SA
Department of Consumer and Employment Protection, WorkSafe Division, WA
Department of Primary Industries, Mine Safety, NSW
Engineers Australia
Federal Chamber of Automotive Industries
Human Factors and Ergonomics Society of Australia
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Technical principles**

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PREFACE

This Standard was prepared by the Standards Australia Committee SF-041, General Principles for the Guarding of Machinery to supersede, in part, AS 4024.1—1996, *Safeguarding of machinery, Part 1: General principles*.

The purpose of this part of AS 4024 is to provide users with an overall framework and guidance to enable them to produce machinery that are safe for their intended use. Many of the Clauses within this Standard are dealt with in greater detail within other Parts of AS 4024.

During its work, the Committee considered a number of Standards originating within the European Community in the field of safety of machinery. Many of these European Standards are being adopted virtually unchanged as International Standards by the International Organization for Standardization (ISO) and the Committee has agreed to continue to use material emanating from both CEN and ISO in this new edition. This action will maintain consistency with previous editions of AS 4024.1 and other machine-specific Australian Standards.

This edition has been published as a series rather than the single Standard previously published as AS 4024.1. In doing this, the Committee has cleared the way for simple revisions in the future. When a new edition of a relevant Standard becomes available at the international level, it will be adopted and published within the framework of AS 4024 with a minimum delay, so ensuring continued international alignment.

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STANDARDS AUSTRALIA

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1 SCOPE

This Standard defines technical principles to help designers in achieving safety in the design of machinery.

This Standard is intended to be used together with AS 4024.1201 when considering the solution to a specific problem.

This Standard does not deal with injury damage to domestic animals, property or the environment.

2 OBJECTIVE

The objective of this Standard is to enable designers, manufacturers, suppliers, employers and users of machinery to minimize the risk to the health and safety of employers and others working with or otherwise near machinery by providing technical principles for ensuring safety for their use.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard.

AS

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| 1657 | Fixed platforms, walkways, stairways and ladders—Design, construction and installation |
| 1735 | Lifts, escalators and moving walks (series) |
| 4024 | Safeguarding of machinery |
| 4024.3 | Part 3: Manufacturing and testing requirements for electro-sensitive systems—Optoelectronic devices |
| 4024.5 | Part 5: Manufacturing and testing requirements for electro-sensitive systems—Pressure-sensitive devices |
| 4024.1201 | Part 1201: General principles—Basic terminology and methodology |
| 4024.140 | Part 1401: Ergonomic principles—Design principles—Terminology and general principles. |
| 4024.1501 | Part 1501: Design of safety related parts of contact systems—General principles for design |
| 4024.1601 | Part 1601: Design of controls, interlocks and guarding—Guards—General requirements for the design and construction of fixed and movable guards |
| 4024.1602 | Part 1602: Design of controls, interlocks and guarding—Interlocking devices associated with guards—Principles for design and selection |
| 4024.1603 | Part 1603: Design of controls, interlocks and guarding—Prevention of unexpected start-up |