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Australian/New Zealand Standard™

Safety of machinery

Part 1801: Safety distances to prevent danger zones being reached by upper and lower limbs

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-041, General Principles for the Guarding of Machinery. It was approved on behalf of the Council of Standards Australia on 5 June 2014 and on behalf of the Council of Standards New Zealand on 24 April 2014.
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Federal Chamber of Automotive Industries
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Australian/New Zealand Standard™

Safety of machinery

Part 1801: Safety distances to prevent danger zones being reached by upper and lower limbs

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-041, General Principles for the Guarding of Machinery, to supersede AS 4024.1801—2006, *Safety of machinery*, Part 1801: *Safety distances to prevent danger zones being reached by the upper limbs*, and AS 4024.1802—2006, *Safety of machinery*, Part 1802*: Safety distances and safety gaps—Safety distances to prevent danger zones being reached by the lower limbs*.

It is emphasized that this Standard is part of the AS(/NZS) 4024.1 series and it is imperative that it is used in conjunction with other applicable parts of the series. A complete listing of all current parts of the AS(/NZS) 4024.1 series can be found at the Standards Australia website <www.standards.org.au> and in AS/NZS 4024.1100, *Safety of machinery*, Part 1100: *Application Guide*.

The objective of this Standard is to establish values for safety distances in both industrial and non-industrial environments to prevent machinery hazard zones being reached. The safety distances are appropriate for protective structures. It also gives information about distances to impede free access by the lower limbs. The distances apply when adequate safety can be achieved by distance alone. This Standard does not necessarily apply for hazards such as radiation or emission of substances.

This Standard is identical with, and has been reproduced from ISO 13857:2008, *Safety of machinery—Safety distances to prevent hazard zones being reached by upper and lower limbs.*

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

(a) In the source text 'this International Standard' should read this 'Australian/New Zealand Standard'.

(b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

Reference to International Standard		*Australian/New Zealand Standard*	
ISO		AS/NZS	
12100	Safety of machinery—Basic concepts, general principles for design	4024	Safety of machinery
12100-1	Part 1: Basic terminology, methodology	4024.1201	Part 1201: General principles for design—Risk assessment and risk reduction

The term 'informative' has been used in this Standard to define the application of the annex to which it applies. An 'informative' annex is only for information and guidance.

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