

AS/NZS 60745.2.5:2011
IEC 60745-2-5 Ed 5
(IEC TEXT)

AS/NZS 60745.2.5:2011

Australian/New Zealand Standard™

**Hand-held motor-operated electric
tools—Safety**

**Part 2.5: Particular requirements for
circular saws**



AS/NZS 60745.2.5:2011

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers. It was approved on behalf of the Council of Standards Australia on 4 April 2011 and on behalf of the Council of Standards New Zealand on 21 April 2011.

This Standard was published on 29 April 2011.

The following are represented on Committee EL-002:

Association of Certification Bodies
Australian Industry Group
Australian Retailers Association
Business New Zealand
Consumer Electronic Suppliers Association, Australia
Consumers' Federation of Australia
Electrical regulatory authorities, Australia
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This Standard was issued in draft form for comment as DR 10925.

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Australian/New Zealand Standard™

Hand-held motor-operated electric tools—Safety

Part 2.5: Particular requirements for circular saws

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

AS/NZS 60745.2.5:2011

Hand-held motor-operated electric tools – Safety –

Part 2.5: Particular requirements for circular saws

Foreword

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002 - Safety of Household and Similar Electrical Appliances and Small Power Transformers to supersede AS/NZS 60745.2.5:2007 and its amendments three years from the date of its publication. During this period it is anticipated that regulatory authorities will approve circular saws to either standard.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with safety requirements for the design, manufacture and testing of circular saws which can form the basis for approval by regulatory authorities.

The text IEC 60745-2-5 Ed 5, prepared by IEC Technical Committee 116, was submitted to the Standards Australia/Standards New Zealand Combined Procedure (dual public comment and committee vote) for adoption of the IEC standard as a Standards Australia/Standards New Zealand joint standard.

This Standard is an adoption with national modifications of the fifth edition of IEC 60745-2-5, *Hand-held motor-operated electric tools – Safety – Part 2-5: Particular requirements for circular saws*. It has been varied as indicated to take account of Australian and New Zealand conditions.

This part 2 has to be used in conjunction with the latest edition of AS/NZS 60745.1 *Hand-held motor-operated electric tools – Safety – Part 1: General requirements* and its amendments. It was established on the basis of the 2009 edition of that standard. Amendments and revisions of Part 1 have also to be taken into account and the dates when such changes become applicable will be stated in the relevant amendment or revision of Part 1.

This part 2 supplements or modifies the corresponding clauses of AS/NZS 60745.1 so as to convert it into the Australian/New Zealand Standard: *Safety requirements for circular saws*.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

NOTE 1 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.;
- subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letters AZ.

NOTE 2 The following print types are used:

- requirements: in roman type;
- test specifications: in italic type;
- notes: in small roman type.

Words in **bold** in the text are defined in Clause 3.

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p NOTE 3 In this document, p is used in the margin to indicate instructions for preparing a consolidated version.

The essential safety requirements in AS/NZS 3820¹ that could be applicable to requirements for circular saws are covered by this standard.

The national variations to the IEC 60745-2-5 Ed 5 form the New Zealand national variations for purposes of the IECEE scheme for recognition of results of testing to standards for safety of electrical equipment (the CB scheme).

There are no national variations from the IEC Standard from which this standard is adopted, other than those listed in Annex ZZ to AS/NZS 60745.1.

¹ AS/NZS 3820 *Essential safety requirements for electrical equipment*

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