

Australian/New Zealand Standard™

**Hand-held Motor-operated Electric
Tools—Safety**

**Part 2.13: Particular requirements for
chain saws**



AS/NZS 60745.2.13:2006

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 15 August 2006 and on behalf of the Council of Standards New Zealand on 25 August 2006.

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The following are represented on Committee EL-002:

Australian Industry Group
Australian Retailers Association
Australian Electrical and Electronic Manufacturers Association
Business New Zealand
Consumer Electronic Suppliers Association, Australia
Consumers' Federation of Australia
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Australian/New Zealand Standard™

Hand-held Motor-operated Electric Tools—Safety

Part 2.13: Particular requirements for chain saws

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CONTENTS

FOREWORD.....	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 General requirements	8
5 General conditions for the tests	8
6 Void	9
7 Classification.....	9
8 Marking and instructions	9
9 Protection against access to live parts	11
10 Starting	11
11 Input and current	11
12 Heating	11
13 Leakage current	11
14 Moisture resistance	12
15 Electric strength	12
16 Overload protection of transformers and associated circuits	12
17 Endurance.....	12
18 Abnormal operation	12
19 Mechanical hazards.....	12
20 Mechanical strength	16
21 Construction.....	16
22 Internal wiring.....	17
23 Components	17
24 Supply connection and external flexible cords	17
25 Terminals for external conductors	18
26 Provision for earthing.....	18
27 Screws and connections	18
28 Creepage distances, clearances and distances through insulation	18
29 Resistance to heat, fire and tracking	18
30 Resistance to rusting	18
31 Radiation, toxicity and similar hazards	18

Figure 101 – Chain saw nomenclature.....	19
Figure 102 – Cutting length.....	20
Figure 103 – Holding the chain saw.....	20
Figure 104 – Minimum rear hand guard dimensions.....	21
Figure 105 – Straight test probe.....	21
Figure 106 – Chain brake test.....	22
Figure 107 – Static test for release force.....	23
Figure 108 – Bar tip guard.....	23
Figure 109 – Handle gripping area.....	24
Figure 110 – Impact test fixture for handle insulation.....	24
Figure BB.101 – Description of felling: escape routes.....	29
Figure BB.102 – Description of felling: undercutting.....	29
Figure BB.103 – Tree limbing.....	30
Figure BB.104 – Log supported along the entire length.....	30
Figure BB.105 – Log supported one end.....	30
Figure BB.106 – Log supported both ends.....	31
Figure BB.107 – Bucking a log.....	31
 Annexes.....	 25
Annex K (normative) Battery tools and battery packs.....	25
Annex L (normative) Battery tools and battery packs provided with mains connection or non-isolated sources.....	25
Annex AA (normative) Symbols for safety recommendations and warnings.....	26
Annexe BB (informative) Instructions concerning the proper techniques for basic felling, limbing, and cross-cutting.....	27
Annex ZZ (informative) Variations to IEC 60745-2-13:2006 for application in Australia and New Zealand.....	32
 Bibliography.....	 33

AUSTRALIA/NEW ZEALAND STANDARD

HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS – SAFETY –

Part 2.13: Particular requirements for chain saws

FOREWORD

This standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-002- Safety of Household and Similar Electrical Appliances and Small Power Transformers to supersede in part AS/NZS 3160:2001, *Approval and test specification – Hand-held portable tools*, 3 years from publication. During this period it is anticipated that regulatory authorities will approve chain saws to either standard.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with safety requirements designed to give the user protection against hazards that might occur during normal operation and abnormal operation of the tool and which may be used as the basis for approval for sale or for connection to the electricity supply mains in Australia and New Zealand

This Standard is an adoption with national modifications and contains the full text of the second edition of IEC 60745-2-13, *Hand-held motor-operated electric tools – Safety – Part 2-13: Particular requirements for chain saws* and has been varied as indicated to take account of Australian and New Zealand conditions.

This part is to be used in conjunction with AS/NZS 60745.1:2003 and its amendments. The Parts 2 contain clauses to supplement or modify the corresponding clauses in this part to provide the relevant requirements for each type of tool.

NOTE 1 The following print types are used:

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

The numbering of clauses, subclauses, notes, tables, figures and annexes follows that of IEC 60745-2-13 Ed 2.0. To allow for the introduction of additional material by the IEC, the numbers 101 to 200 have been reserved. To allow for additional material to be introduced by Australia and New Zealand, the numbers 201 to 300 are used to number further clauses, subclauses, notes, tables and figures in part 1. Additional annexes are lettered ZA, ZB and so on.

This scheme has been introduced to reduce the likelihood of the IEC and Australia and New Zealand using the same identifier for different purposes.

The use of the word VOID indicates that the IEC text is not used in Australia or New Zealand. The use of this word also avoids the need to renumber, clauses, notes, tables and figure if an earlier clause, note, table or figure is not used.

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

- (a) Its number does not appear on each page of text and its identity is shown on the cover and title page only.

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

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

Variations to IEC 60745-2-13 Ed 2.0 are indicated at the appropriate places throughout this standard. Strikethrough (~~example~~) identifies IEC tables, figures and passages of text which, for the purposes of this Australian/New Zealand standard are deleted. Where Australian/New Zealand tables, figures or passages of text are added, each is set in its proper place and identified by shading (example). Added figures are not themselves shaded, but are identified by a shaded border.

Variations made to IEC 60745-2-13 Ed 2.0 form the Australian variations for the purposes of the IECEE scheme for recognition of testing to standards for safety of electrical equipment (the CB scheme). These variations have been incorporated in the body of the standard. They are listed in Annex ZZ for easy reference.

The essential safety requirements in AS/NZS 3820 that could be applicable to chain saws are covered by this standard.

HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS – SAFETY

Part 2.13: Particular requirements for chain saws

1 Scope

This clause of Part 1 is applicable, except as follows:

Addition:

This standard applies to chain saws for cutting wood and designed for use by one person. This standard does not cover chain saws designed for use in conjunction with a guide-plate and riving knife or in any other way such as with a support or as a stationary or transportable machine.

This standard does not apply to chain saws for tree service as defined in ISO 11681-2, pole cutters and pruners.

2 Normative references

This clause of Part 1 is applicable, except as follows:

Addition:

ISO 3864-3 ¹		<i>Graphical symbols – Safety colours and safety signs – Part 3: Design criteria for graphical symbols used in safety signs</i>
ISO 6533	2001	<i>Forestry machinery – Portable chain-saw front hand-guard – Dimensions and clearances</i>
ISO 6534	1992	<i>Portable chain-saws – Hand-guards – Mechanical strength</i>
ISO 7914	2002	<i>Forestry machinery – Portable chain-saws – Minimum handle clearance and sizes</i>
ISO 7915	1991	<i>Forestry machinery – Portable chain-saws – Determination of handle strength</i>
ISO 8334	1985	<i>Forestry machinery – Portable chain-saws – Determination of balance</i>

¹ ISO 3864-3 is currently in DIS state.