

Australian/New Zealand Standard™

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

**Part 2.16: Particular requirements for
tackers**



AS/NZS 60745.2.16:2009

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 17 March 2009 and on behalf of the Council of Standards New Zealand on 13 March 2009.

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The following are represented on Committee EL-002:

Australian Industry Group
Australian Retailers Association
Business New Zealand
Consumer Electronic Suppliers Association, Australia
Consumers' Federation of Australia
Electrical regulatory authorities, Australia
Electrical Compliance Testing Association
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AUSTRALIA/NEW ZEALAND STANDARD

HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS – SAFETY –

Part 2.16: Particular requirements for tackers

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 tackers 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 60745-2-16, *Hand-held motor-operated electric tools – Safety – Part 2-16: Particular requirements for tackers* 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 60745.1:2009 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 60745-2-16 Ed 2.0. To allow for the introduction of additional material by the IEC, the numbers 201 to 300 have been reserved. To allow for additional material to be introduced by Australia and New Zealand, the numbers 301 to 400 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 60745-2-16 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 60745-2-16 Ed 2.0 form the New Zealand 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 tackers are covered by this standard.

HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS – SAFETY –

Part 2.16: Particular requirements for tackers

1 Scope

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

Addition:

This standard applies to tackers intended for general use. This standard does not apply to tackers intended for industrial production applications.

2 Normative references

This clause of Part 1 is applicable.

3 Terms and definitions

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

3.101 tacker

tool in which energy is applied to loaded fasteners, e.g. metal pins, nails or staples, for the purpose of driving the latter into wood, plastic, fabric or similar material

3.102 actuation system

use of a trigger, workpiece contact and/or other operating control, separately or in some combination or sequence, to actuate the tool

3.103 single sequential actuation

actuation system in which there is more than one operating control to be activated in a specific sequence to actuate the tool. Additional actuation is possible, when a specific operating control, other than a workpiece contact, is released and re-activated

3.104 full sequential actuation

actuation system in which there is more than one operating control to be activated in a specific sequence to actuate the tool. Additional actuation is only possible, when all operating controls are released and re-activated in the same sequence

3.105 contact actuation

actuation system in which there is more than one operating control and the operating controls can be activated in any sequence to actuate the tool. Additional actuation is possible, when any operating control is released and re-activated