

COMMITTEE: EL-002

Safety of Household and Similar Electrical Appliances and Small Power Transformers

DR 25022 CP

DRAFT

COMBINED POSTAL BALLOT/ AUSTRALIAN / NEW ZEALAND STANDARD FOR COMMENT

LIABLE TO ALTERATION DO NOT USE AS A STANDARD

DATE OF ISSUE: 2 June 2025

CLOSING DATE FOR COMMENT: 28 July 2025

DR 25022 CP

DR 62841.4.8:202x

**Electric motor-operated hand-held tools,
transportable tools and lawn and garden
machinery – Safety**

**Part 4.8: Particular requirements for
shredders/chippers**

STANDARDS
Australia

STANDARDS
NEW ZEALAND
TE MANA TAUTIKANGA O AOTEAROA

COMBINED DRAFT FOR COMMENT/POSTAL BALLOT
STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Committee EL-002, *Safety of household and similar electrical appliances and small power transformers*

DRAFT

Australian/New Zealand standard

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety

Part 4.8: Particular requirements for shredders/chippers

Please note that this document is currently being voted on by the committee and the results of the postal ballot will be contingent on public comments received.

Comments on the proposal are invited from persons and organisations concerned with this subject.

Attention is drawn to the fact that this document is a draft only and is liable to alteration in the light of comments received. It is not to be regarded as an Australian/New Zealand standard until it is issued as such by Standards Australia and Standards New Zealand.

NOTES OF THE SECRETARY:

THE INTRODUCTION OF ANY NATIONAL VARIATIONS TO BE INCLUDED IN THIS STANDARD WILL OCCUR AFTER PUBLIC COMMENTS HAVE BEEN CONSIDERED AND PRIOR TO THE PUBLICATION OF THE STANDARD.

THIS DOCUMENT MUST BE READ IN CONJUNCTION WITH IEC 62841-4-8, ED. 1.0, COPIES OF WHICH MAY BE VIEWED BY CONTACTING enquiries@standards.govt.nz.

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 Standards Australia's Standards Development and Accreditation Committee on yyyy and by the New Zealand Standards Approval Board on yyyy.

It was published on yyyy.

The following interests are represented on Committee EL-002:

Association of Accredited Certification Bodies

Australian Industry Group

Australian Retailers Association

Building Commission NSW

Business New Zealand

Consumer Electronic Suppliers Association, Australia

Consumers' Federation of Australia

Electrical consultants

Electrical Regulatory Authorities, Australia

Engineers Australia

International Accreditation New Zealand

JAS-ANZ

National Retailers Association (Australia)

New Zealand Electric Fence Energizer Manufacturers' Standards Group

WorkSafe, New Zealand

Keeping standards up-to-date

Standards are living documents, which reflect progress in science, technology and systems. To maintain their currency, all standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current standard, which should include any amendments which may have been published since the standard was purchased.

For more information about joint standards, visit www.standards.govt.nz or www.standards.org.au. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national standards organisation.

We also welcome suggestions for improvement in our standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comment to either the Chief Executive of Standards Australia or the New Zealand Standards Executive at the address shown on the title page.

This standard was issued in draft form for comment as DR 25022.

Australian/New Zealand Standard

Electric motor-operated hand-held
tools, transportable tools and lawn and
garden machinery – Safety

Part 4.8: Particular requirements for
shredders/chippers

First published as AS/NZS 62841.4.8:202x.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

AS/NZS 62841.4.8:202x

ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY**Part 4.8: Particular requirements for shredders/chippers****Preface**

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*. Regulatory authorities that reference this standard in regulation may apply these requirements at a different time. Users of this standard should consult these authorities to confirm their requirements.

The objective of this standard is to provide manufacturers, designers, regulatory authorities, testing laboratories, and similar organisations with safety requirements designed to give the user protection against hazards that might occur during normal operation and abnormal operation of the appliance 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.

The text of IEC 62841-4-8, Ed. 1.0, prepared by IEC Technical Committee TC 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 document is identical with, and has been reproduced from, the first edition of IEC 62841-4-8, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-8: Particular requirements for shredders/chippers*.

This standard is to be used in conjunction with the latest edition of AS/NZS 62841.1, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: General requirements*, and its amendments, unless that edition precludes it. In that case, the latest edition that does not preclude it is used. It was established on the basis of AS/NZS 62841.1:2015.

While this standard (AS/NZS 62841.4.8:202x) is an identical adoption of the IEC standard, Part 1 of the series has been modified with national variations (AS/NZS 62841.1:2015). These variations affect the use of this part.

AS/NZS 62841.4.8:202x supplements or modifies the corresponding clauses of AS/NZS 62841.1 so as to convert it to the Australian/New Zealand Standard: Safety requirements for shredders/chippers.

When a particular subclause of AS/NZS 62841.1 is not mentioned in AS/NZS 62841.4.8:202x, that subclause applies as far as is reasonable. Where this standard states, 'addition', 'modification', or 'replacement', the relevant text of AS/NZS 62841.1 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 AS/NZS 62841.1;
- unless notes are in a new subclause or involve notes in AS/NZS 62841.1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, and so on;
- 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.

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 shredders/chippers are covered by this standard.

Where national variations listed in AS/NZS 62841.1 (adopting IEC 62841-1) affect IEC 62841-4-8, Ed. 1.0, these form the Australian and 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).

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

The text of the international standard IEC 62841-4-8, Ed. 1.0 was approved as a joint Australian/New Zealand standard, noting the effect of national variations in AS/NZS 62841.1:2015.

AUSTRALIAN NATIONAL VARIATIONS

There are no national variations to this Part other than those listed in the national variations to AS/NZS 62841.1:2015.

NEW ZEALAND NATIONAL VARIATIONS

There are no national variations to this Part other than those listed in the national variations to AS/NZS 62841.1:2015.

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Annex ANZ

(Normative)

Normative references to international publications with their corresponding joint Australia/New Zealand publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by national variations, the relevant joint Australia/New Zealand publication applies if the national variations are needed to ensure the safety of the appliance for Australia/New Zealand conditions. These international publications are indicated by (MOD). If an international publication is not so indicated, then either it or the listed Australia/New Zealand publication may be used. Where there is no equivalent international publication to a listed Australian/New Zealand publication, then the Australian/New Zealand publication applies.

Publication	Year	Title	AS/NZS	Year
IEC 60664-3	2016	<i>Insulation coordination for equipment within low-voltage systems – Part 3: Use of coating, potting or moulding for protection against pollution</i>		
IEC 60664-4	2005	<i>Insulation coordination for equipment within low-voltage systems – Part 4: Consideration of high-frequency voltage stress</i>		
IEC 61058-1 (MOD)	2016	<i>Switches for appliances – Part 1: General requirements</i>	61058.1 61058.1/A1	2020 2021
IEC 61058-1-1 (MOD)	2016	<i>Switches for appliances – Part 1-1: Requirements for mechanical switches</i>	61058.1.1	2021
IEC 61058-1-2 (MOD)	2016	<i>Switches for appliances – Part 1-2: Requirements for electronic switches</i>	61058.1.2	2021
IEC 61058-2-6	2018	<i>Switches for appliances – Part 2-6: Particular requirements for switches used in electric motor-operated hand-held tools, transportable tools and lawn and garden machinery</i>		
IEC 61672-1	2013	<i>Electroacoustics – Sound level meters – Part 1: Specifications</i>		
IEC 62841-1 (MOD)	2014	<i>Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: General requirements</i>	62841.1	2015
ISO 354	2003	<i>Acoustics – Measurement of sound absorption in a reverberation room</i>		
ISO 3744	2010	<i>Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering methods for an essentially free field over a reflecting plane</i>		

ISO 11201	2010	<i>Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a workstation and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections</i>		
ISO 13857	2019	<i>Safety of machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs</i>		
ISO 21920-3	2021	<i>Geometrical product specifications (GPS) – Surface texture: Profile – Part 3: Specification operators</i>		