

Australian Standard™

Chainsaws—Safety requirements

Part 1: Chainsaws for general use

This Australian Standard was prepared by Committee SF-033, Chainsaw Safety. It was approved on behalf of the Council of Standards Australia on 18 March 2004 and published on 30 April 2004.

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Australian Chamber of Commerce and Industry
Department of Infrastructure, Energy and Resources (Tasmania)
German-Australian Chamber of Industry & Commerce
Outdoor Power Equipment Association
Primary Industries (SA) Forestry
Queensland Forestry Research Institute
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This Standard was issued in draft form for comment as DR 03243.

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Part 1: Chainsaws for general use

Originated as AS 2726—1984.
Previous edition AS 2726.1—1995.
Second edition 2004.

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Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 5900 9

PREFACE

This Standard was prepared by the Standards Australia Committee SF-033, Chainsaw Safety to supersede AS 2726.1—1995, *Chainsaws—Safety requirements, Part 1: Chainsaws for general use*.

The objective of this Standard is to provide manufacturers and users with specifications for safety requirements for chainsaws intended for general use to reduce the hazards that may be encountered by the operator.

This edition takes into account the changes that have taken place in chainsaw design since the publication of the previous edition.

This Standard is Part 1 of a two part series. Part 2 deals with the safety requirements of chainsaws for tree service.

This Standard is based on the work of ISO/TC 23/SC 17, Tractors and Machinery for Agriculture and Forestry—Manually Portable Forest Machinery and the Standards developed by that Subcommittee, in particular ISO 11681-1:2004, *Machinery for forestry—Portable chain-saw safety requirements and testing—Part 1: Chain-saws for forest service*. In addition, the requirements given in IEC 60745-2-13:1989, *Safety of hand-held motor-operated electric tools, Part 2-13: Particular requirements for chain saws* and ANSI B175.1-2000, *Gasoline-powered chain saws—Safety requirements* have been considered.

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STANDARDS AUSTRALIA

Australian Standard
Chainsaws—Safety requirements

Part 1: Chainsaws for general use

1 SCOPE

This Standard specifies safety requirements for portable, hand-held, electrically driven and internal combustion engine-driven chainsaws primarily intended for cutting wood.

This Standard does not apply to—

- (a) pole-mounted powered pruners;
- (b) hydraulic chainsaws;
- (c) attachments fitted to chainsaws; or
- (d) mechanical aids assisting the task of cutting wood.

2 APPLICATION

This Standard is intended for use in conjunction with regulations, applicable to the use of chainsaws, issued by regulatory authorities.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1319 Safety signs for the occupational environment

2727 Chainsaws—Guide to safe working practices

AS/NZS

1270 Acoustics—Earplugging protectors

3160 Approval and test specification—Hand-held portable electric tools

ISO

3767 Tractors, machinery for agriculture and forestry, powered lawn and garden equipment—Symbols for operator controls and other displays

3767-5 Part 5: Symbols for manual portable forestry machinery

6531 Machinery for forestry—Portable hand-held chain-saws—Vocabulary

6535 Forestry machinery—Portable chain-saw front hand-guard—Dimensions and clearances

6534 Portable chain-saws—Hand-guards—Mechanical strength

6535 Portable chain-saws—Chain brake performance

7182 Acoustics—Measurement at the operator's position of airborne noise emitted by chain saws

7505 Forestry machinery—Chain saws—Measurement of hand-transmitted vibration