Chain saws
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Chain saws

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Contents

Technical Committee on Manually Portable Power Saws and Power Cutters  4

Preface  7

1 Scope  8

2 Reference publications  8

3 Definitions  10

4 Classification  12
4.1 General  12
4.2 Types  12
4.3 Classes  12
4.3.1 Type 1  12
4.3.2 Type 2  12

5 General requirements  13
5.1 General  13
5.1.1 Type 1  13
5.1.2 Type 2  13
5.2 Throttle control system (for Type 1 saws only)  13
5.2.1 General  13
5.2.2 Throttle control trigger  13
5.2.3 Throttle control lockout  14
5.2.4 Throttle control latch  14
5.2.5 Throttle control linkage  14
5.3 Handles  14
5.3.1 General  14
5.3.2 Handle clearances and handle dimensions  14
5.3.3 Handle strength  15
5.3.4 Handle vibration isolation system  15
5.4 Chain saw starting (for Type 1 saws only)  15
5.4.1 Pull-type starter  15
5.4.2 Compression release valve  15
5.5 Controls  15
5.5.1 On/off control (for Type 1 saws only)  15
5.5.2 Oiler control  15
5.5.3 Choke control (for Type 1 saws only)  15
5.5.4 Primer/purge control (for Type 1 saws only)  15
5.6 Fuel tanks, oil tanks, and fuel feed lines  16
5.6.1 Fuel tank integrity  16
5.6.2 Fuel tank ventilation  16
5.6.3 Fuel feed line  16
5.6.4 Fuel/oil tank filler location and identification  16
5.6.5 Fuel/oil tank filler openings  16
5.7 Chain saw exhaust systems (for Type 1 saws only) 16
5.7.1 Exhaust direction 16
5.7.2 Muffler location 17
5.7.3 Spark-arresting muffler design and construction 17
5.8 Saw chain tensioning 17
5.9 Guide bar holes 17
5.10 Guards 17
5.10.1 Rotating part guards 17
5.10.2 Drive sprocket and clutch covers 17
5.10.3 Hand guards 17
5.11 Chip discharge 18
5.12 Carburetor adjustments (for Type 1 saws only) 18
5.13 Brake effectiveness 18
5.14 Chain saw clutch (for Type 1 saws only) 18
5.15 Spiked bumper 18
5.16 Tools 18
5.17 Chain catcher 18
5.18 Safety rope attachment device (for Class 1B and 2B saws only) 18

6 Test requirements 19
6.1 Throttle control linkage (for Type 1 saws only) 19
6.2 Handle strength 19
6.3 Balance 19
6.3.1 Portability balance 19
6.3.2 Sideways balance (for Class 1B and 2B saws only) 19
6.4 Vibration (for Class 1A, 1B, 2A, and 2B saws only) 19
6.5 Excessive fuel heating (for Type 1 saws only) 19
6.6 Fuel tank integrity (for Type 1 saws only) 19
6.6.1 Drop test verification 19
6.6.2 Resistance to fuel soaking and UV exposure 19
6.7 Fuel feed line integrity (for Type 1 saws only) 20
6.7.1 Fuel line strength and accessibility 20
6.7.2 Resistance to UV exposure 20
6.7.3 Resistance to ozone exposure 20
6.7.4 Resistance to fuel soaking 20
6.8 Chain saw exhaust systems (for Type 1 saws only) 20
6.9 Chain saw sound pressure levels 20
6.10 Chain brake 21
6.10.1 Chain brake stopping time 21
6.10.2 Chain brake release force (activated manually) 21
6.10.3 Non-manually activated chain brake performance 21
6.11 Hand guards 21
6.12 Chain catcher 21
6.13 Holding moment (for Class 1B and 2B saws only) 21

7 Test procedures 21
7.1 Samples 21
7.2 Throttle control linkage (for Type 1 saws only) 21
7.3 Handle strength 21
7.4 Balance 22
7.4.1 Portability (longitudinal) balance 22
7.4.2 Sideways balance (for Class 1B and 2B saws only) 22
7.5 Vibration 23
7.5.1 Vibration calculation (for Type 1 saws only) 23
7.5.2 Vibration calculation (for Type 2 saws only) 23
7.6 Excessive fuel heating (for Type 1 saws only) 24
7.6.1 Test conditions 24
7.6.2 Procedure 24
7.7 Fuel tank integrity (for Type 1 saws only) 24
7.7.1 Drop test procedure 24
7.7.2 Resistance to fuel soaking and UV exposure 24
7.8 Fuel feed line integrity (for Type 1 saws only) 25
7.8.1 Test procedure for fuel line strength and accessibility 25
7.8.2 Test procedure for fuel line resistance to UV exposure 25
7.8.3 Test procedure for resistance to ozone exposure 25
7.8.4 Test procedure for resistance to fuel soaking 25
7.9 Chain saw sound pressure levels 25
7.9.1 Type 1 saws 25
7.9.2 Type 2 saws 26
7.10 Chain brake 26
7.10.1 Chain brake stopping time 26
7.10.2 Chain brake release force 26
7.10.3 Chain brake performance — Inertial activation (non-manually activated chain brake performance) 26
7.11 Hand guard strength and durability 26
7.12 Chain catcher 26
7.13 Holding moment (for Class 1B and 2B saws only) 26

8 General marking requirements 27
8.1 Details of chain saw basic markings 27
8.2 Methods of providing the basic markings 28

9 Operator’s manual 28
9.1 General 28
9.2 Size of text 28
9.3 Language 28
9.4 Model number 28

Annex A (informative) — General safety precautions for chain saw users 34
# Technical Committee on Manually Portable Power Saws and Power Cutters

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Preface


Revisions to this Standard have been made to enhance the safety of chain saws, including the following:

a) new IEC, ISO, and USDA Standards are referenced, and the text of this Standard has been harmonized with International Standards where appropriate;

b) chain saw sound pressure level limits (Clause 6.9) were clarified;

c) the test method for longitudinal balance, Clause 7.4.1, was modified for Class 1B and 2B saws, and harmonized with ISO 8334;

d) the test method for determining the vibration level for Type 2 saws was clarified in Clause 7.5;

e) two additional chain saw marking requirements were added; and

f) various other editorial changes were made to enhance clarity of meaning throughout the Standard.

The effective implementation date of this Standard is expected to be two (2) years from the date of publication; this would apply to all products built after that date. Manufacturers may also bring their products into compliance with this Standard any time after the publication date.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

CSA Group gratefully acknowledges the financial and in-kind support from Andreas STIHL AG, Blount Inc., Husqvarna AB, MTD Southwest Inc., and the Canadian government departments responsible for occupational health and safety for the development of this edition.

This Standard was prepared by the Technical Committee on Manually Portable Power Saws and Power Cutters, under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

Notes:

1) Use of the singular does not exclude the plural (and vice versa) when the sense allows.

2) Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.

3) This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.

4) To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org and include “Request for interpretation” in the subject line:

a) define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;

b) provide an explanation of circumstances surrounding the actual field condition; and

c) where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at standardsactivities.csa.ca.

5) This Standard is subject to review five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include “Proposal for change” in the subject line:

a) Standard designation (number);

b) relevant clause, table, and/or figure number;

c) wording of the proposed change; and

d) rationale for the change.
1 Scope

1.1 This Standard applies to portable, handheld, fuel- and electrically powered chain saws intended for forestry and other wood-cutting applications. It describes safety and environmental requirements for the design of chain saws and includes recommendations pertaining to their safe operation.

1.2 In addition to the applicable requirements of this Standard, the requirements of CSA Z62.3 apply to all chain saws, as well as to replacement chains. The requirements specified in CAN/CSA-C22.2 No. 147 apply to electrically powered (Type 2) chain saws.

1.3 Electrically powered chain saws intended for general use by homeowners, cottagers, campers, etc., and for general applications such as clearing, pruning, and cutting firewood (“consumer saws” formerly identified as Class 2C saws) are no longer addressed in this Standard. Refer to CAN/CSA-C22.2 No. 60745-2-13 for these chain saw products.

1.4 In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

1.5 The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

2 Reference publications
This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.