

# American National Standard

*for Power Tools –*

*Gasoline-Powered Chain Saws -  
Safety Requirements*

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**B175.1-2000**  
Revision of  
ANSI B175.1-1991

American National Standard  
For Power Tools –

**Gasoline-Powered Chain Saws -  
Safety Requirements**

**Secretariat**

**Portable Power Equipment Manufacturers Association**

**Approved October 27, 2000**

**American National Standards Institute, Inc.**

## American National Standard

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Published by

**Portable Power Equipment Manufacturers Association**  
**4340 East West Highway, Suite 912**  
**Bethesda, MD 20814**

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Printed in the United States of America

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**Foreword** (This foreword is not part of American National Standard B175.1-2000.)

This standard sets forth the minimum safety requirements for gasoline-powered chain saws. These requirements have resulted from several years of standards development effort by the ANSI B175 Accredited Standards Committee. The original standard was approved in 1979 and revised in 1983, 1985, and 1991.

The changes in this revision include: addition of the requirement for a chain catcher; increased tank filler opening sizes; a revision to the method of measuring front hand guard clearances; changes to vibration and chain brake performance requirements; refinements to test procedures for sound, vibration and kickback; an update of the programming language used for calculation of Computed Kickback Angle; and revision of requirements for instruction manuals.

This standard contains eleven annexes, ten of which are informative and are not considered part of this standard. Annex C, Safety precautions for chain saw users, is normative and is considered part of this standard.

Suggestions for improvement of this standard are welcome. They should be sent to the Secretariat, ASC B175 Committee, 4340 East West Highway, Suite 912, Bethesda, MD 20814.

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee B175. Committee approval of this standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, the B175 Committee had the following members:

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American National Standard  
for Power Tools —  
Gasoline-Powered  
Chain Saws —  
Safety Requirements

**1 Scope and purpose**

**1.1 Scope**

The requirements of this standard apply to portable, hand-held, gasoline-powered chain saws for use primarily in cutting wood.

NOTE — Metric units are included for information only.

**1.2 Purpose**

The purpose of this standard is to establish minimum safety requirements with respect to the manufacture of portable, hand-held, gasoline-powered chain saws.

**2 Normative references**

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ANSI S1.4-1983 and its supplement ANSI S1.4A-1985, *Specification for sound level meters*

ANSI S2.11-1969 (R1986), *Methods for specifying the characteristics of auxiliary equipment for shock and vibration measurement*

ANSI/SAE J184-FEB87, *Qualifying a sound data acquisition system*