

ANSI/OPEI B175.1-2012

# American National Standard

*for Outdoor Power Equipment –  
Internal Combustion Engine-Powered  
Hand-Held Chain Saws –  
Safety and Environmental Requirements*

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**ANSI/OPEI B175.1-2012**

American National Standard  
for Outdoor Power Equipment –

**Internal Combustion Engine-Powered  
Hand-Held Chain Saws –  
Safety and Environmental Requirements**

Sponsor

**Outdoor Power Equipment Institute**

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**Foreword** (This foreword is not part of American National Standard ANSI/OPEI B175.1-2012.)

This standard sets forth the minimum safety requirements for internal combustion engine-powered hand-held chain saws. These requirements have resulted from years of standards development efforts by the OPEI B175 Standards Committee. The original standard was approved in 1979 and revised in 1983, 1985, 1991, and 2000.

This standard contains 17 annexes, 12 of which are informative. Annexes B.2, C, D, M, and N.1 are normative and are considered part of this standard.

Suggestions for improvements of this standard are welcome. They should be sent to the B175.1 Standards Committee, c/o OPEI, 341 South Patrick Street Alexandria, VA 22314.

The following organizations recognized as having an interest in the standardization of safety requirements for internal combustion engine-powered hand-held chain saws were contacted prior to the approval of this revised standard. Inclusion in the list does not necessarily imply that the organization concurred with the submittal of the proposed standard to ANSI.

Dr. Holger Lochmann, Chairman

General Interest:

Tree Care Industry Association (Peter Gerstenberger)  
Underwriters Laboratories (Nicolette Allen)  
US CPSC (John Murphy)  
USDA (Trevor Maynard)

Users/Consumers:

Aero-Flex Technologies, Inc. (Vince Morabit)  
CSA (Dave Shanahan)  
North American Equipment Dealers Association (Michael Williams)  
Ken Andersen  
Arv Hille

Producers:

Dolmar GmbH (Maria Tittel)  
ECHO, Inc. (Rob Stegall)  
Husqvarna Professional Products, Inc. (Ronnie Goldman)  
MTD Products Inc. (Dennis Lamberty)  
STIHL, Inc. (John Foster)



American National Standard  
for Outdoor Power Equipment –

# Internal Combustion Engine-Powered Hand-Held Chain Saws – Safety and Environmental Requirements

## 1 Scope and purpose

### 1.1 Scope

The requirements of this standard apply to internal combustion engine-powered hand-held chain saws and replacement saw chains for use primarily in cutting wood.

This standard shall be applied to new products within 2 years of the publication date and manufacturers may apply this standard to existing products.

NOTE – Metric units are included for information only.

### 1.2 Purpose

The purpose of this standard is to establish safety and environmental requirements for internal combustion engine-powered hand-held chain saws and replacement saw chains.

## 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 (R2006), *Specification for sound level meters*

ISO 1431-1: 2004, *Rubber, vulcanized or thermoplastic – Resistance to ozone cracking – Part 1: Static and dynamic strain testing*

ISO 6533: 2001, *Forestry machinery – Portable chain saw front hand guard – Dimensions and clearances*

ISO 6534: 2007, *Forestry machinery – Portable chain saw hand guards – Mechanical strength*

ISO 6535: 2008, *Portable chain saws – Chain brake performance*

ISO 7914: 2002, *Portable chain saws – Minimum handle clearance and sizes*