

American National Standard

*for Snow Throwers –
Safety Specifications*

ANSI/OPEI B71.3-2014

Revised as
ANSI/OPEI B71.3-2014 (R2020)



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Revision and redesignation of
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American National Standard
**for Snow Throwers –
Safety Specifications**

Sponsor

Outdoor Power Equipment Institute (OPEI)

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American National Standard

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Foreword (This foreword is not part of American National Standard ANSI/OPEI B71.3-2014.)

This standard is a revision and redesignation of *American National Standard for Snow Throwers - Safety Specifications*, ANSI B71.3-2005. The first edition of this standard was approved and published by the American National Standards Institute in 1975. It has been revised four times since initial publication, including this revision.

The present revision was prepared by the Outdoor Power Equipment Institute's Snow Throwers Committee. A summary of the principal changes included in this revision is as follows:

- Scope revised to include statement of standard effectivity;
- Addition of Machine Identification requirement (Clause 4);
- Impact test requirements modified for nonmetallic discharge chutes and deflectors;
- Hot surface testing requirements revised;
- Fuel line and fuel overfill testing removed, now covered by ANSI/OPEI B71.10-2013;
- Unbalance test requirements have been removed;
- Engine speed control on walk-behind units modified;
- Collector housing dimension requirements modified;
- Foot-operated attachment lift control direction modified;
- Service brake "proof load test" harmonized with ANSI/OPEI B71.1-2012;
- Longitudinal stability test changed to allow for "positive stop";
- 5-second stopping time test acceptance has been clarified;
- Placement of safety label(s) on single-stage walk-behind units modified.

Consensus for this standard was achieved by the use of the Canvass Method.

There are two annexes in this standard. Annex A and B are informative and not considered part of this standard.

Suggestions for improvement of the standard will be welcome. They should be sent to the Outdoor Power Equipment Institute, 341 South Patrick Street, Alexandria, VA 22314 or www.opei.org.

The following organizations, recognized as having an interest in the standardization of safety requirements for snow throwers, were contacted prior to the approval of this revision of the standard. Inclusion in the list does not necessarily imply that the organization concurred with the submittal of the proposal to ANSI.

Producer

American Honda Motor Company, Inc.
Ariens Company
Husqvarna
MTD Products Inc.
The Toro Company

User

Accredited Snow Contractors Association
KCG Management
Snow and Ice Management Association
Troy Clogg Landscape Associates

General Interest

American Society of Agricultural and Biological Engineers
CSA International
Dan Nielsen, Independent Consultant
Underwriters Laboratories Inc.

American National Standard

for Snow Throwers – Safety Specifications

Part I: General

1 Scope

The specifications in this standard apply to (a) walk-behind power snow throwers, (b) ride-on power snow throwers, (c) lawn ride-on tractors with snow thrower attachments, (d) lawn and garden tractors with snow thrower attachments, and (e) lever-steer ride-on machines with snow thrower attachments. These specifications are not intended to apply to hand-held snow throwers nor to airport, highway, and agricultural types of snow removal machines and equipment. This standard does not cover all of the specifications that apply to electrically-powered snow throwers.

The effective implementation date of this standard shall be two (2) years after the publication date and shall apply to all products built after that date. Manufacturers may also comply with the requirements of this standard anytime after the publication date.

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/NEMA Z535.4-2011, *Product safety signs and labels*¹

ANSI/OPEI B71.1-2012, *Consumer Turf Care Equipment – Pedestrian-Controlled Mowers and Ride-On Mowers – Safety Specifications*

ANSI/UL 73-SEP2012, *Standard for Motor-Operated Appliances*

ASTM G152-2013, *Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Non-metallic Materials*²

ASTM G155-2013, *Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-metallic Materials*

ISO 3411:2007, *Earth-moving machinery - Physical dimensions of operators and minimum operator space envelope*³

ISO 3767-1:1998, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment – Symbols for operator controls and other displays – Part 1: Common symbols*

ISO 3767-1:1998 / Amd 1:2008, *Additional symbols*

¹ ANSI standards available from the American National Standards Institute, 25 West 43rd St., New York, NY 10036; (212) 642-4900; www.ansi.org

² ASTM standards are available from ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428; (610) 832-9585; www.astm.org

³ ISO standards are available from the American National Standards Institute, 25 West 43rd St., New York, NY 10036; (212) 642-4900; www.ansi.org