

ANSI/OPEI B71.6-2000

# American National Standard

*for Powered Shredder/Grinders, Shredder/Baggers,  
Chippers, and Walk-Behind Chipper/Vacuums –  
Safety Specifications*

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**ANSI/OPEI B71.6-2000**

Revision of  
ANSI/OPEI B71.6-1990

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for Powered Shredder/Grinders, Shredder/Baggers,  
Chippers, and Walk-Behind Chipper/Vacuums –  
Safety Specifications**

Secretariat

**Outdoor Power Equipment Institute, Inc.**

Approved February 29, 2000

**American National Standards Institute, Inc.**

# American National Standard

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**Foreword** (This foreword is not part of American National Standard B71.6-2000.)

This standard is the second revision of the *American National Standard for Powered Shredder/Grinder and Shredder/Baggers - Safety Specifications*. The first standard was approved and published by the American National Standards Institute in 1982, the first revision in 1990. The principle purpose of this current revision is to bring safety requirements to the current state-of-art and to fulfill ANSI's five-year review process.

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

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

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

The following organizations recognized as having an interest in the standardization of safety requirements for shredder/grinders, shredder/baggers, chippers, and walk-behind chipper/vacuums 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.

Alliance of American Insurers  
American Association of Nurserymen  
American Consulting and Testing  
American Insurance Group, Inc.  
Brave Industries  
Consumer Product Safety Commission  
Consumers Union of U.S., Inc.  
The Davy Tree Expert Co.  
Engine Service Association, Inc.  
Environmental Protection Agency  
Equipment Manufacturers Association  
Garden Centers of America  
Golf Course Superintendents Association of America  
Lawn & Garden Dealers Association  
McCanse Engineering Services  
National Safety Council  
North American Equipment Dealers Association  
Outdoor Power Equipment Distributors Association  
Professional Grounds Maintenance Management Society  
Professional Lawn Care Association of America  
Signa-Tek  
Special Products Co.  
Tilton Equipment  
Toledo Memorial Park  
U. S. General Services Administration  
Underwriters Laboratories, Inc.

# American National Standard for Powered Shredder/Grinders Shredder/Baggers, Chippers, and Walk-Behind Chipper/Vacuums –

## Safety Specifications

### 1 Scope

The specifications in this standard are intended to apply to rotary and hammermill shredder/baggers, shredder/grinders, chippers and walk-behind chipper/vacuums that are sold for use as consumer products. Power may be supplied by internal combustion engines or electric motors. This standard is not intended to cover those units manufactured and sold primarily as commercial units.

### 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 Z535.4-1998, *Product safety signs and labels*<sup>1)</sup>

ANSI/SAE J1326-JUL97, *Graphical symbols for operator controls and displays on off-road, self-propelled work machines*<sup>1)</sup>

ANSI/SAE J2031-JAN90, *High-tension ignition cable*<sup>1)</sup>

ASAE S203-DEC96, *Rear power take-off for agricultural tractors*<sup>2)</sup>

ASTM G23-96, *Standard practice for operating light-exposure apparatus (carbon-arc type) with and without water for exposure of non-metallic materials*<sup>3)</sup>

ASTM G26-96, *Standard practice for operating light-exposure apparatus (xenon-arc type) with and without water for exposure of non-metallic materials*<sup>3)</sup>

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*<sup>1)</sup>

ISO 3767-2: 1991, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment – Symbols for operator controls and other displays – Part 2: Symbols for agricultural tractors and machinery*<sup>1)</sup>

ISO 3767-3: 1995, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment – Symbols for operator controls and other displays – Part 3: Symbols for powered lawn and garden equipment*<sup>1)</sup>

SAE J1292-1987, *Automobile, truck, truck-tractor, trailer, and motor coach wiring*<sup>4)</sup>

UL 82-1994, *Standard for safety for electric gardening appliances*<sup>5)</sup>

<sup>1)</sup> For electronic copies of some standards, visit ANSI's Electronic Standards Store (ESS) at [www.ansi.org](http://www.ansi.org). For printed versions of all these standards, contact Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112-5704, (800) 854-7179.

<sup>2)</sup> Available from the American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, MI 49085-9569.

<sup>3)</sup> Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

<sup>4)</sup> Available from the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

<sup>5)</sup> Available from Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112-5704, (800) 854-7179.