

# American National Standard

*for Outdoor Power Equipment –  
Walk-Behind Powered Rotary  
Tillers and Hand Supported  
Cultivators –  
Safety Specifications*



**American National Standards Institute**

11 West 42nd Street  
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**ANSI/OPEI B71.8-1996**

Revision of  
ANSI/OPEI B71.8-1986

American National Standard  
for Outdoor Power Equipment –

**Walk-Behind Powered Rotary Tillers  
and Hand Supported Cultivators –  
Safety Specifications**

Sponsor

**Outdoor Power Equipment Institute, Inc.**

Approved March 22, 1996

**American National Standards Institute, Inc.**

# American National Standard

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**Foreword** (This foreword is not part of American National Standard ANSI/OPEI B71.8-1996.)

This edition of *American National Standard for Outdoor Power Equipment – Walk-Behind Powered Rotary Tillers and Hand Supported Cultivators – Safety Specifications*, ANSI/OPEI B71.8-1996, was prepared by the Outdoor Power Equipment Institute's (OPEI) Subcommittee for Tillers as part of OPEI's continuing work on standards and was approved on March 22, 1996 by the American National Standards Institute, Inc.

The safety specifications given in this standard are for (a) walk-behind powered rotary tillers, and (b) hand supported cultivators. They are intended to provide safety requirements and to help ensure uniform operator environments. These specifications are intended to apply to products specifically intended as consumer products for personal use. These specifications are not intended to apply to commercial products customarily used by hired operators or to products designed primarily for agricultural purposes such as defined in ANSI/SAE J1116 or SAE J1150. They are not intended to cover tractor mounted or drawn tillers, electrically operated hand supported cultivators, and are not intended to completely cover electrical requirements.

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

Suggestions for improvement of the standard will be welcomed. They should be sent to the Outdoor Power Equipment Institute, 41 S. Patrick Street, Alexandria, VA 22314.

The following organizations recognized as having an interest in the standardization of safety requirements for walk-behind powered rotary tillers and hand supported cultivators 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.

Acoustical Society of America  
American Insurance Services Group, Inc.  
American Society of Agricultural Engineers  
Consumer Product Safety Commission  
Consumers Union  
Engine Manufacturers Association  
Equipment Manufacturers Institute  
McCanse Engineering Services  
National Safety Council  
Sears Roebuck and Company  
Underwriters Laboratories, Inc.

American National Standard  
for Outdoor Power Equipment –

# Walk-Behind Powered Rotary Tillers and Hand Supported Cultivators – Safety Specifications

## 1 Scope

The safety specifications given in this standard are for (a) walk-behind powered rotary tillers, and (b) hand supported cultivators. They are intended to provide safety requirements to help ensure uniform operator environments. These specifications are intended to apply to products specifically intended as consumer products for personal use. These specifications are not intended to apply to commercial products customarily used by hired operators or to products designed primarily for agricultural purposes such as defined in ANSI/SAE J1116 or SAE J1150. They are not intended to cover tractor mounted or drawn tillers, electrically operated hand supported cultivators, and are not intended to completely cover electrical requirements.

## 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 Z535.4-1991, *Product safety signs and labels*

ANSI/SAE S304.5 (R1993), *Symbols for operator controls on agricultural equipment*

ANSI/SAE S350 (R1992), *Safety-alert symbol for agricultural equipment*

ANSI/SAE J156-APR86, *Flexible links*

ANSI/SAE J553-JUN92, *Circuit breakers*

ANSI/SAE J554-DEC 87, *Electric fuses (cartridge type)*

ANSI/SAE J833-MAY89, *USA human physical dimensions*

ANSI/SAE J1128-JUN88, *Low tension primary cable*

ANSI/SAE J1362-FEB94, *Graphical symbols for operator controls and displays on off-road self-propelled work machines*

ANSI/SAE J1500-JUN80, *Universal symbols for operator controls*

ANSI/SAE J2031-JAN90, *High tension ignition cable*