

ANSI/OPEI B71.8-1996 (P-005)

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
New York, New York
10036

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ANSI/OPEI B71.8-1996

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

Sponsor

Outdoor Power Equipment Institute, Inc.

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American National Standard

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Contents

	Page
Foreword.....	ii
1 Scope	1
2 Normative references	1
3 Definitions	2
4 Controls	3
5 General requirements	4
6 Shields or guards	5
7 Servicing requirements	7
8 Electrical requirements	7
9 Label durability requirements.....	8
10 Tests for fuel lines and fuel tanks	8
11 Safety instructions for tillers and hand supported cultivators.....	9
Figures	
1 Operator position and operator control position	10
2 Tine shielding for rear tine tillers	12
3 Finger probe.....	12
4 Safety message for walk-behind powered rotary tillers and hand supported cultivators	13
5 Safety sign	13
6 Safety instructions for walk-behind powered rotary tillers and hand supported cultivators	14
7 Guarding of tilling means – Hand supported cultivators	16
Annex	
A Rationale.....	17

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 Canvass Method.

Suggestions for improvement of the standard will be welcomed. They should be sent to the Outdoor Power Equipment Institute, 341 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 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.

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, *Fusible links*

ANSI/SAE J553-JUN92, *Circuit breakers*

ANSI/SAE J554-AUG87, *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*