



UL 1602

STANDARD FOR SAFETY

Gasoline-Engine-Powered, Rigid-Cutting-Member
Edgers and Edger-Trimmmers

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UL Standard for Safety for Gasoline-Engine-Powered, Rigid-Cutting-Member Edgers and Edger-Trimmers, UL 1602

Fourth Edition, Dated January 28, 2009

SUMMARY OF TOPICS

The revision dated January 20, 2017 was issued to incorporate the following changes:

Reaffirmation and Continuance of the Fourth Edition of the Standard for Gasoline-Engine-Powered, Rigid-Cutting-Member Edgers and Edger Trimmers, UL 1602, as an American National Standard

The revised requirements are substantially in accordance with Proposal(s) on this subject dated December 2, 2016.

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ANSI/UL 1602-2017

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UL 1602

**Standard for Gasoline-Engine-Powered, Rigid-Cutting-Member Edgers and
Edger-Trimmers**

First Edition – June, 1981
Second Edition – January, 1995
Third Edition – April, 2001

Fourth Edition

January 28, 2009

This ANSI/UL Standard for Safety consists of the Fourth Edition including revisions through January 20, 2017.

The most recent designation of ANSI/UL 1602 as an American National Standard (ANSI) occurred on January 20, 2017. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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Standards for Components..... A1

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INTRODUCTION

1 Scope

1.1 These requirements cover walk-behind gasoline-engine-powered, ground-supported edgers and edger-trimmers that employ rigid cutting members, the diameter of which is not more than 12 in (305 mm).

1.2 These requirements also cover hand-supported, portable, gasoline-engine-powered edgers having at least one ground-support and employing a rigid cutting member that has a diameter of not more than 12 in (305 mm).

1.3 These requirements do not cover gasoline-powered edgers and edger-trimmers that employ a cutting means:

- a) That has a maximum tip-speed of more than 12,000 surface ft/min (3660 surface m/min); or
- b) That is made of nonmetallic flexible line.

1.4 These requirements do not cover accessories or attachments provided for the purpose of digging or cutting materials other than earth and grass.

2 Glossary

2.1 **BLADE-TIP CIRCLE** – The path described by the outermost point of the cutting member as it moves about its axis.

2.2 **DEAD-MAN CONTROL** – A control that automatically interrupts drive to the cutting member when the actuating force applied by the operator is removed.

2.3 **EXPECTED LOADING CONDITION** – The stress placed on the product and its components when operated in accordance with the manufacturer's operating instructions.

2.4 **GROUND SUPPORT** – The means by which the product is maintained in its intended operating position or conveyed during use.

2.5 **GROUND-SUPPORTED PRODUCT** – A product that, when used as intended by the manufacturer, has at least 50 percent of its weight directly supported by the ground.

2.6 **GUIDING HANDLE** – The handle of a hand-supported portable edger by which the operator supports the least percentage of product weight. See 2.14.

2.7 **HAND-SUPPORTED PORTABLE EDGER** – An edger that, when used as intended by the manufacturer, requires the operator to support more than 50 percent of the weight of the product.

2.8 **MAXIMUM GOVERNED SPEED** – The maximum speed an engine is capable of attaining as limited by a governor or other means, and as set by the manufacturer.

2.9 **NORMAL USE AND MAINTENANCE** – Those actions performed in application of the product to its intended purposes, or for the product's continued operation, in accordance with the use and care instructions provided by the manufacturer with each product.

2.10 **OPERATING CONTROL** – Any device necessary for operating the edger or edger-trimmer, such as an engine-starting and-stopping control, a drive-engaging control, and a blade-angle adjustment.