

This is a preview of "ISO 10517:2019". [Click here to purchase the full version from the ANSI store.](#)

Third edition
2019-02

Powered hand-held hedge trimmers — Safety

Taille-haies portatifs à moteur — Sécurité



Reference number
ISO 10517:2019(E)

© ISO 2019



COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

This is a preview of "ISO 10517:2019". [Click here to purchase the full version from the ANSI store.](#)

Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 List of significant hazards	5
5 Safety requirements and/or verification of safety measures	7
5.1 General.....	7
5.2 Handles and cutting device.....	7
5.2.1 Handles.....	7
5.2.2 Hand protection.....	8
5.2.3 Handle strength.....	10
5.2.4 Cutting device and blunt extensions.....	11
5.2.5 Shoulder harness requirements.....	15
5.2.6 Holding moment.....	15
5.2.7 Blade stopping time.....	18
5.2.8 Cutting device cover.....	20
5.2.9 Cutting device accessories.....	20
5.3 Starting and idling.....	20
5.4 Controls.....	20
5.4.1 Marking.....	20
5.4.2 Throttle control.....	20
5.4.3 Engine stop.....	21
5.5 Power driven parts protection.....	21
5.6 Heat protection.....	21
5.6.1 General.....	21
5.6.2 Test equipment, test conditions and test method.....	21
5.6.3 Test acceptance.....	22
5.7 Fuel tank.....	22
5.8 Engine exhaust.....	22
5.9 Electrical requirements of ignition system.....	23
5.9.1 General.....	23
5.9.2 Ignition circuit.....	23
5.9.3 Test method.....	23
5.9.4 Test acceptance.....	23
5.10 Vibration.....	23
5.10.1 Reduction by design and protective measures.....	23
5.10.2 Reduction by information.....	24
5.10.3 Vibration measurement.....	24
5.11 Noise.....	24
5.11.1 Reduction by design and by information.....	24
5.11.2 Noise emission measurement.....	24
6 Information for use	24
6.1 Instructions for use.....	24
6.2 Marking.....	25
6.3 Warnings.....	26
6.4 Test of labels.....	26
6.4.1 Preparation of test specimens and control specimens.....	26
6.4.2 Wipe resistance test.....	27
6.4.3 Adhesion test.....	27
Annex A (informative) Safety instructions	28

This is a preview of "ISO 10517:2019". [Click here to purchase the full version from the ANSI store.](#)

Annex B (informative) Examples of safety signs, symbols and pictorials	31
Bibliography	33

This is a preview of "ISO 10517:2019". [Click here to purchase the full version from the ANSI store.](#)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 13, *Powered lawn and garden equipment*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This third edition cancels and replaces the second edition (ISO 10517:2009), which has been technically revised. It also incorporates the Amendment ISO 10517:2009/Amd 1:2013. The main changes compared to the previous edition are as follows:

- the noise measurement procedure has been removed from the body of the document and has been replaced with the reference to ISO 22868;
- the vibration measurement procedure has been removed from the body of the document and has been replaced with the reference to ISO 22867;
- handle strength requirement has been added;
- extended-reach hedge trimmers have been better implemented in the body of the document;
- a test for the labels has been added;
- several text changes have been made for better understanding.

Introduction

This document is a type-C standard as stated in ISO 12100.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organisations, market surveillance, etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate in the drafting process of this document.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the scope of this document.

When requirements of this type-C standard are different from those which are stated in the type-A or type-B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.