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## Machinery for forestry — Portable brush-cutters and grass-trimmers — Vocabulary

*Matériel forestier — Débroussailleuses et coupe-herbe portatifs —  
Vocabulaire*

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## Contents

	Page
<b>Foreword</b>	<b>iv</b>
<b>1 Scope</b>	<b>1</b>
<b>2 Normative references</b>	<b>1</b>
<b>3 Terms and definitions</b>	<b>1</b>
<b>Annex A (informative) Brush-cutter position</b>	<b>6</b>
<b>Bibliography</b>	<b>7</b>

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## 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](http://www.iso.org/directives)).

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For an explanation on 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](http://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 17, *Manually portable forest machinery*.

This fourth edition cancels and replaces the third edition (ISO 7112:2008), which has been technically revised, with the following main changes:

- terms and definitions [3.1.4](#), [3.3.1.1](#), [3.3.1.3](#), [3.4.3](#) and [3.5.5](#) have been added.

# Machinery for forestry — Portable brush-cutters and grass-trimmers — Vocabulary

## 1 Scope

This document defines terms relating to portable hand-held brush-cutters and grass-trimmers, their cutting attachments and power sources.

The brush-cutter position is shown in [Annex A](#).

## 2 Normative references

There are no normative references in this document.

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

### 3.1 Work functions

#### 3.1.1

#### **felling**

separation of a standing tree from its root system

[ISO 7112:2017](#)

#### 3.1.2

#### **shredding**

reduction of bushes, small trees and other growing organic materials to smaller pieces

#### 3.1.3

#### **trimming**

cutting of weeds, grass and other similar soft vegetation

#### 3.1.4

#### **cutting means thrust**

sudden and uncontrolled motion towards the operator's side or rear that can occur when the rotating *cutting means* ([3.3.1.1](#)) comes in contact with a solid object

### 3.2 Machine types

#### 3.2.1

#### **brush-cutter**

unit using a rotating *cutting means* ([3.3.1.1](#)) made of metal or plastics, intended to cut weed, scrub, brush-wood, and similar vegetation

#### 3.2.2

#### **brush saw**

*brush-cutter* ([3.2.1](#)) fitted with a circular *saw blade* ([3.3.1.1](#)) intended to cut small trees and saplings

### 3.2.3

#### **grass-trimmer**

unit using flexible non-metallic line(s) string(s) or similar non-metallic flexible cutting elements, such as pivoting cutters, intended to cut weed, grass or similar soft vegetation

### 3.2.4

#### **lawn-trimmer**

electric powered grass-cutting machine with a non-metallic, non-rigid *cutting attachment* (3.3.1), of a cutting capacity (kinetic energy) of not more than 10 J, operating in a plane parallel to the ground

### 3.2.5

#### **lawn edge-trimmer**

powered grass-trimming machine where the *cutting attachment* (3.3.1) operates in a plane approximately perpendicular to the ground

## 3.3 Cutting equipment

### 3.3.1

#### **cutting attachment**

cutting device such as a cutting means, saw blade or a flexible cutting means

#### 3.3.1.1

##### **cutting means**

rotating device with cutting edges, designed to cut weed, brush, scrub and similar vegetation

#### 3.3.1.2

##### **saw blade**

rotating circular metal blade with peripheral cutting teeth, designed to cut wood, such as small trees and saplings, by continuously removing material

#### 3.3.1.3

##### **flexible cutting means**

non-metallic rotating *cutting means* (3.3.1.1) using flexible line(s), string(s) or pivoting cutting elements

## 3.4 Safety devices

### 3.4.1

#### **cutting means retainer**

##### **saw blade retainer**

##### **retainer**

mechanism which holds the *cutting means* (3.3.1.1) or *saw blade* (3.3.1.2) to the driving member

### 3.4.2

#### **cutting attachment guard**

device intended to protect the operator from unintentional contact with the *cutting attachment* (3.3.1) and from thrown objects

### 3.4.3

#### **cutting means cover**

##### **transport cover**

manually removable device covering the cutting edges of the *cutting means* (3.3.1.1) or *saw blade* (3.3.1.2) during transportation or storage

### 3.4.4

#### **quick-release mechanism**

device enabling the operator to free himself quickly from the unit in case of emergency