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**Machinery for forestry — Portable  
chain-saws — Vocabulary**

*Matériel forestier — Scies à chaîne portatives — Vocabulaire*

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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)).

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](http://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](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 6531:2008), which has been technically revised, with the following main changes:

- terms and definitions [3.1.7](#), [3.3.1](#), [3.4.1.1](#), [3.5.7](#), [3.9.10](#), [3.9.10.1](#), [3.9.10.2](#), [3.9.10.3](#) and [3.9.11](#) have been added.

# Machinery for forestry — Portable chain-saws — Vocabulary

## 1 Scope

This document defines terms relating to the mechanical aspects of portable chain-saws, saw-chain and guide bars.

The chain-saw positions are 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

#### 3.1.2 delimiting

removal of branches from trees or parts of trees

#### 3.1.3 bucking slashing

cutting of felled or uprooted trees, or parts of trees, into lengths

#### 3.1.4 splitting

dividing of trees or parts of trees longitudinally into pieces

#### 3.1.5 boring

process of cutting with the *saw-chain* ([3.3.1](#)) at the nose (tip) of the *guide bar* ([3.3.5](#)) in order to make a hole

#### 3.1.6 kickback

rapid upward and backward motion of the saw which can occur when the moving *saw-chain* ([3.3.1](#)) near the upper portion of the tip of the *guide bar* ([3.3.5](#)) contacts an object such as a log or branch

### 3.1.7

#### **pinch kickback**

rapid pushback of the chain saw that can occur when the wood closes in and pinches the moving *saw-chain* (3.3.1) in the cut along the top of the *guide bar* (3.3.5)

### 3.1.8

#### **pruning**

removal of live or dead branches, or of multiple leaders or shoots, from standing trees

## 3.2 Types of chain-saws

### 3.2.1

#### **chain-saw**

power-driven tool designed to cut wood with a *saw-chain* (3.3.1) and consisting of an integrated compact unit of handles, power source, *guide bar* (3.3.5) and saw-chain, designed to be supported with two hands

#### 3.2.1.1

##### **chain-saw for forest service**

chain-saw designed for forest work such as *felling* (3.1.1), *delimiting* (3.1.2) and *bucking* (3.1.3)

Note 1 to entry: See [Figure 1](#).

#### 3.2.1.2

##### **chain-saw for tree service**

specialized chain-saw of limited mass, designed for use by a trained operator for *pruning* (3.1.8) and dismantling standing tree crowns

Note 1 to entry: See [Figure 2](#).

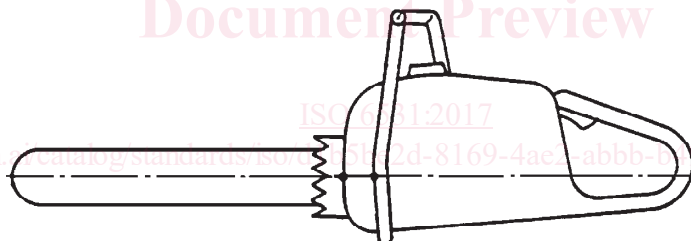


Figure 1 — Chain-saw for forest service

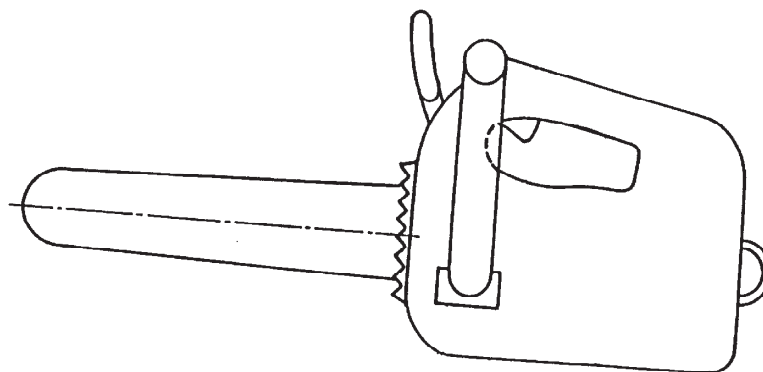


Figure 2 — Chain-saw for tree service