



National Standards Authority of Ireland

IRISH STANDARD

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**AGRICULTURAL AND FORESTRY
MACHINERY – PORTABLE CHAIN SAWS –
SAFETY**

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English version

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Matériel agricole et forestier - Scies à chaîne
portatives - Sécurité

Land- und Forstmaschinen - Tragbare Motorsägen
- Sicherheit

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard was prepared by the Technical Committee CEN/TC 144 "Tractors and machinery for agriculture and forestry" of which the secretariat is held by AFNOR.

This European Standard has been prepared under a Mandate given to CEN by the Commission of the European Communities and the European Free Trade Association, and supports essential requirements of EC Directive(s).

The Annex A is normative and contains the "List of hazards"

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 1995, and conflicting national standards shall be withdrawn at the latest by March 1995.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

0 Introduction

The extent to which hazards are covered is indicated in the scope of this standard. In addition, machinery shall comply as appropriate with EN 292 for hazards which are not covered by this standard.

1 Scope

This European Standard specifies safety requirements and their verification for design and construction of portable combustion engine, hand held chain saws designed for use by one operator (see figure 1).

It describes methods for the elimination or reduction of hazards arising from their use. In addition it specifies the type of information on safe working practices to be provided by the manufacturer. It does not however give any technical requirement to reduce noise and vibration hazards. Indeed the different means available to reduce these hazards are a matter for the rule book to which the manufacturer may resort, through specialised books or specific bodies.

The list of significant hazards, which require action to reduce the risk is given at annex A.

Environmental aspects have not been considered in this standard.

This European Standard applies primarily to machines which are manufactured after the date of issue of the standard.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 292-1:	1991	Safety of machinery - Basic concepts, general principles for design - Part 1: Basic terminology, methodology.
EN 292-2:	1991	Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles and specifications.
EN 27182:	1991	Acoustics - Measurement at the operator's position of airborne noise emitted by chain saws. (ISO 7182:1991)
ISO 3767-5:	1992	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 5: Symbols for manual portable forestry machinery.
ISO 3864:	1984	Safety colours and safety signs.
ISO 6531:	1982	Machinery for forestry - Portable chain saws - Vocabulary.
ISO 6533:	1993	Forestry machinery - Portable chain-saw front hand-guard - Dimensions.
ISO 6534:	1992	Portable chain-saws - Hand guards - Mechanical strength.
ISO 6535:	1991	Portable chain-saws - Chain brake performance.
ISO 7293:	1983	Forestry machinery - Portable chain saws - Engine performance and fuel consumption.

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