



NSAI
Standards

Irish Standard
I.S. EN 13525:2020

Forestry machinery - Wood chippers - Safety

I.S. EN 13525:2020

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National Foreword

I.S. EN 13525:2020 is the adopted Irish version of the European Document EN 13525:2020, Forestry machinery - Wood chippers - Safety

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EUROPEAN STANDARD

EN 13525

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2020

ICS 65.060.80

Supersedes EN 13525:2005+A2:2009

English Version

Forestry machinery - Wood chippers - Safety

Machines forestières - Déchiqueteuses - Sécurité

Forstmaschinen - Buschholzhacker - Sicherheit

This European Standard was approved by CEN on 13 February 2020.

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EN 13525:2020(E)

European foreword

This document (EN 13525:2020) has been prepared by Technical Committee CEN/TC 144 “Tractors and machinery for agriculture and forestry”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by October 2020, and conflicting national standards shall be withdrawn at the latest by October 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13525:2005+A2:2009.

The main changes compared to the previous edition concern requirements to deal with risks related to moving parts and more particularly to moving parts involved in the process.

This has resulted in a substantial revision of the chapters dealing with operator controls (4.2) and with protection against mechanical hazards (4.3).

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This document is a type-C standard as stated in EN 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 organizations, 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 at 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 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.

EN 13525:2020(E)

1 Scope

This document specifies safety requirements and their verification for design and construction of, i.e. self-propelled, mounted, semi-mounted and trailed, wood chippers used in forestry, agriculture, horticulture and landscaping.

This document applies to chippers, used when stationary, which are manually loaded with wood through a horizontal or near horizontal infeed chute and where the infeed action is performed by the chipping components acting as infeed components or by separate integrated infeed components such as rollers or conveyors integral to the infeed chute. Wood chippers may be powered either by an external power take-off, hydraulics etc. or by an integral power source such as an internal combustion engine.

This document does not cover:

- requirements relating to national road regulations arising from transport between work sites;
- hazards arising from any self-propelled function;
- hazards arising from the transmission of power from an external power source – e.g. power take-off drive shafts;
- any machines where the infeed chute is fitted with an extension table or an integrated conveyor that is protruding beyond the outermost lower edge of the infeed chute and the Lower Protective Device of the infeed chute;
- hazards arising from the engine pull starting of an integral power source;
- hazards arising from mechanical loading;
- vertical infeed chute chippers;
- electromagnetic aspects of the chippers;
- shredders/chippers to be covered by EN 13683;
- any machines that are only loaded mechanically;
- additional mechanical discharge systems for woodchips which are not part of the chipping mechanism e.g. conveyors.

For machines that can be both manually and mechanically loaded, this document is only covering the safety of the manual loading.

NOTE 1 Any additional requirements related to use with both mechanical and manual feed that could affect safe use or which are necessary to maintain the integrity of protective devices are outside the scope of this document. Such additional measures are intended to be determined by risk assessment carried out by the manufacturer.

This document deals with all significant hazards, hazardous situations and events relevant to wood chippers, when they are used as intended and under the conditions foreseeable by the manufacturer (see Annex A).

In addition, it specifies the type of information to be provided by the manufacturer on the safe use of these machines.

It is not applicable to environmental hazards (except noise).

NOTE 2 The noise test code described in this document does not comply with the outdoor noise directive 2000/14/EC.

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