



NSAI
Standards

Irish Standard
I.S. EN 703:2004+A1:2009

Agricultural machinery - Silage loading, mixing and/or chopping and distributing machines - Safety

I.S. EN 703:2004+A1:2009

Incorporating amendments/corrigenda issued since publication:

EN 703:2004/A1:2009

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English Version

Agricultural machinery - Silage loading, mixing and/or chopping and distributing machines - Safety

Matériel agricole - Désileuses chargeuses, mélangeuses
et/ou hacheuses et distributrices - Sécurité

Landmaschinen - Maschinen zum Laden, Mischen
und/oder Zerkleinern und Verteilen von Silage - Sicherheit

This European Standard was approved by CEN on 2 February 2004 and includes Amendment 1 approved by CEN on 23 May 2009.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Foreword

This document (EN 703:2004+A1:2009) 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of an identical text or by endorsement, at the latest by January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

This document includes Amendment 1, approved by CEN on 2009-05-23.

This European Standard supersedes A1 EN 703:2004 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

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).

A1 For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document. A1

Annex A is informative and gives examples of machines and components.

This document includes a Bibliography.

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

0 Introduction

This document is a type C standard as stated in EN 1070.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document. These hazards are specific to machines for loading (including silage cutting), mixing and/or chopping and distributing silage.

Significant hazards that are common to all the agricultural machines (self-propelled, mounted, semi-mounted and trailed) are dealt with in EN 1553.

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

1 Scope

This document, used together with EN 1553, specifies the safety requirements and their verification for the design and construction of mounted, semi-mounted, trailed or self-propelled machines that have a combination of two or more of the following functions: loading, mixing, chopping and distributing silage and/or other feedstuffs, to be used by one operator only. It includes those fitted with a built-in loading crane. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer.

This document applies only to machines that have the following functional combinations:

- mixing and distributing functions; or
- mixing, chopping and distributing functions; or
- loading, mixing and distributing functions; or
- loading, mixing, chopping and distributing functions; or
- chopping and distributing functions; or
- loading, chopping and distributing functions.

Silage block cutters, even if they carry out a single function, are covered by this document.

It does not apply:

- to machines which pick up green fodder directly from the field;
- to loading cranes;
- to silage buckets.

NOTE 1 Loading cranes are dealt with in EN 12999.

NOTE 2 Silage buckets will be dealt through an amendment or during next revision.

This document deals with all the significant hazards, hazardous situations and events relevant to machines for loading, mixing and/or chopping and distributing silage and/or other feedstuffs, when they are used as intended and under the conditions foreseen by the manufacturer as listed in clause 4, except for the hazards arising from:

- failure of the control circuit;
- inadequate seating;
- inadequate lighting;
- impossibility of stopping the machine in the best possible conditions;
- travelling of machinery;
- break-up of parts rotating at high speed.

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

This document is not applicable to machines for loading, mixing and/or chopping and distributing silage and/or other feedstuffs which are manufactured before the date of publication of this document by CEN.

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