



# SLOVENSKI STANDARD SIST EN ISO 4254-5:2010

01-julij-2010

Nadomešča:

SIST EN 708:1996

SIST EN 708:1996/A1:2001

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**Kmetijski stroji - Varnost - 5. del: Gnani stroji za obdelavo tal (ISO 4254-5:2008)**

Agricultural machinery - Safety - Part 5: Power-driven soil-working machines (ISO 4254-5:2008)

Landmaschinen - Sicherheit - Teil 5: Kraftbetriebene Bodenbearbeitungsgeräte (ISO 4254-5:2008)

Matériel agricole - Sécurité - Partie 5: Machines de travail du sol à outils animés (ISO 4254-5:2008)

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**Ta slovenski standard je istoveten z: EN ISO 4254-5:2009**

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**ICS:**

65.060.20 Oprema za obdelovanje tal Soil-working equipment

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**en**

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EUROPEAN STANDARD

**EN ISO 4254-5**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2009

ICS 65.060.20

Supersedes EN 708:1996

English Version

**Agricultural machinery - Safety - Part 5: Power-driven soil-working machines (ISO 4254-5:2008)**Matériel agricole - Sécurité - Partie 5: Machines de travail  
du sol à outils animés (ISO 4254-5:2008)Landmaschinen - Sicherheit - Teil 5: Kraftbetriebene  
Bodenbearbeitungsgeräte (ISO 4254-5:2008)

This European Standard was approved by CEN on 14 September 2009.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

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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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG**Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

The text of ISO 4254-5:2008 has been prepared by Technical Committee ISO/TC 23 "Tractors and machinery for agriculture and forestry", Subcommittee SC 3, 'Safety and comfort' of the International Organization for Standardization (ISO) and has been taken over as EN ISO 4254-5:2009 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 March 2010, and conflicting national standards shall be withdrawn at the latest by March 2010.

This document supersedes EN 708:1996.

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

Its purpose is to implement ISO 4254-5:2008 at European level, bearing in mind that the reference to ISO 4254-1 to which it is referred had been updated by ISO/CS after the parallel vote in order to refer to the latest version of ISO 4254-1:2008 in reply to the French appeal against EN ISO 4254-1:2005.

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.

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

This standard has been developed to support the Machinery Directive 2006/42/EC.

This second edition cancels and replaces the first edition (EN 708:1996 and EN 708/A1:2000), which has been technically revised.

The following major changes were introduced:

- addition of a noise clause (4.2);
- revision of the requirements related to the protection against inadvertent contact with power-driven tools (4.3);
- addition of Annex ZB;
- deletion of EN 1553:1999 "Agricultural machinery - Agricultural self-propelled, mounted, semi-mounted and trailed machines - Common safety requirements" and replacement with EN ISO 4254-1:— "Agricultural machinery - Safety - Part 1: General requirements" (ISO 4254-1:2008);
- deletion of the requirements related to the guarding of moving parts for power transmission dealt with in EN 15811:— "Agricultural machinery - Guards for moving parts of power transmission - Guard opening with tool" (ISO/TS 28923:2007);
- deletion of the requirements related to handling and transport dealt with in EN ISO 4254-1:— "Agricultural machinery - Safety - Part 1: General requirements" (ISO 4254-1:2008).

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 the United Kingdom.

### Endorsement notice

The text of ISO 4254-5:2008 has been approved by CEN as a EN ISO 4254-5:2009 without any modification.

## Annex ZA (informative)

### Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Machinery Directive 2006/42/EC.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of that Directive, *except Essential Requirements 1.3.7 limited to moving parts for power transmission, 1.3.8.1, 1.4 with the exception of 1.4.1, limited to moving parts for power transmission, 1.5.11, 1.6 related to maintenance or repairs to be carried out by professional service personnel, 3.4.7 for PTO drive transmission shaft* and associated EFTA regulations.

**WARNING** — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

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STANDARD

ISO  
4254-5

Second edition  
2008-09-01

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**Agricultural machinery — Safety —  
Part 5:  
Power-driven soil-working machines**

*Matériel agricole — Sécurité —*

*Partie 5: Machines de travail du sol à outils animés*

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## ISO 4254-5:2008(E)

## 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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 4254-5 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 3, *Safety and comfort*.

This second edition cancels and replaces the first edition (ISO 4254-5:1992), which has been technically revised.

ISO 4254 consists of the following parts, under the general title *Agricultural machinery — Safety*:

- *Part 1: General requirements*
- *Part 3: Tractors* <sup>1)</sup>
- *Part 5: Power-driven soil-working machines*
- *Part 6: Sprayers and liquid fertilizer distributors*
- *Part 7: Combine harvesters, forage harvesters and cotton harvesters*
- *Part 8: Solid fertilizer distributors*
- *Part 9: Seed drills*
- *Part 10: Rotary tedders and rakes*
- *Part 11: Pick-up balers*
- *Part 12: Rotary mowers and flail mowers*

Part 4, *Forestry winches*, was cancelled and replaced by ISO 19472, *Machinery for forestry — Winches — Dimensions, performance and safety*.

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1) To be cancelled and replaced by ISO 26322-1, *Tractors and machinery for agriculture and forestry — Safety — Part 1: Standard tractors*

## Introduction

The structure of safety standards in the field of machinery is as follows.

- a) Type-A standards (basis standards) give basic concepts, principles for design, and general aspects that can be applied to machinery.
- b) Type-B standards (generic safety standards) deal with one or more safety aspect(s) or one or more type(s) of safeguards that can be used across a wide range of machinery:
  - type-B1 standards on particular safety aspects (e.g. safety distances, surface temperature, noise);
  - type-B2 standards on safeguards (e.g. two-hands controls, interlocking devices, pressure sensitive devices, guards);
- c) Type-C standards (machinery safety standards) deal with detailed safety requirements for a particular machine or group of machines.

This part of ISO 4254 is a type-C standard as stated in ISO 12100-1.

When provisions of this type-C standard are different from those which are stated in type-A or type-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.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this part of ISO 4254. These hazards are specific to power-driven soil-working machines.

Significant hazards that are common to all the agricultural machines (self-propelled, mounted, semi-mounted and trailed) are dealt with in ISO 4254-1.