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Agricultural machinery — Safety — Part 13: Large rotary mowers

Matériel agricole — Sécurité —

Partie 13: Grandes faucheuses rotatives



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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 document 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).

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For an explanation of 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 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 7, *Equipment for harvesting and conservation*.

This second edition cancels and replaces the first edition (ISO 4254-13:2012), which has been technically revised.

The main changes are as follows:

- additional information has been added to the Scope regarding applicability;
- the Normative references have been updated;
- in [Clause 3](#):
 - some terms and definitions have been modified, added or removed;
 - former Figure 1 has been removed and subsequent figures have been renumbered;
- blade test and performance requirements have been moved to ISO 5718-2;
- in [Clause 4](#), [subclauses 4.8](#), [4.9](#), [4.10](#) and [4.11](#) have been revised to reflect the strength and performance requirements in the standards concerned;
- in [Clause 5](#):
 - title has been revised;
 - [Figure 2](#) (former Figure 3) has been modified;
 - [Figure 3](#) (former Figure 4) has been modified;

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- [5.2.2.3](#) has been added to indicate a test condition;
- [5.3.1.4](#) has been modified to indicate new requirements for test equipment;
- [5.4.1.4](#) has been added to indicate new requirements for test equipment;
- [5.4.5](#) test acceptance criteria has been modified;
- [5.5.4](#) test acceptance criteria has been modified;
- subclause 5.7 and succeeding subclauses have been removed;
- subclause 5.8 and succeeding subclauses, including Table 1 and Figure 12, have been removed;
- [5.6.2.6](#) has been modified to correct an error in the sand particle size requirements for test equipment;
- the Bibliography has been updated.

A list of all parts of ISO 4254 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

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

- type-A standards (basis safety standards) giving basic concepts, principle for design, and general aspects that can be applied to machinery;
- type-B standards (generic safety standards) dealing with one safety aspect or one type of safeguards that can be used across a wide range of machinery;
 - type-B1 standards on particular safety aspects (for example, safety distances, surface temperature, noise);
 - type-B2 standards on safeguards (for example, two-hands controls, interlocking devices, pressure sensitive devices, guards);
- type-C standards (machinery safety standards) dealing with detailed safety requirements for a particular machine or group of machines.

This Standard is a type C standard as stated in ISO 12100.

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.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document.

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