
**Tractors for agriculture and forestry —
Safety —**

**Part 2:
Narrow-track and small tractors**

Tracteurs agricoles et forestiers — Sécurité —

Partie 2: Tracteurs à voie étroite et tracteurs compacts



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Foreword

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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 26322-2 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 4, *Tractors*.

This first edition of ISO 26322-2, together with ISO 26322-1, cancels and replaces ISO 4254-3:1992, of which it constitutes a technical revision. It also incorporates requirements for tractor safety formerly given in ISO 4254-1. Additional requirements have been included in order to take account of the technical evolution of the tractors and changes in their use that have occurred since publication of the replaced International Standard.

ISO 26322 consists of the following parts, under the general title *Tractors for agriculture and forestry — Safety*:

- *Part 1: Standard tractors*
- *Part 2: Narrow-track and small tractors*

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Tractors for agriculture and forestry — Safety —

Part 2: Narrow-track and small tractors

1 Scope

This part of ISO 26322 specifies the general safety requirements and their verification for the design and construction of narrow-track and small tractors used in agriculture and forestry. It also specifies the type of information on safe working practices, including residual risks, to be provided by the manufacturer. It provides technical means for improving the level of personal safety of operators and others involved in the course of the normal operation, maintenance and use of these tractors.

It is applicable to narrow-track tractors having at least two axles for pneumatic-tyred wheels, or having tracks instead of wheels with a smallest fixed or adjustable track width of not more than 1 150 mm, and to small tractors having an unladen mass not greater than 600 kg.

NOTE Tractors having a smallest fixed or adjustable track width greater than 1 150 mm and an unladen mass greater than 600 kg are dealt with in ISO 26322-1.

It is not applicable to vibration or braking.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 500-1, *Agricultural tractors — Rear-mounted power take-off types 1, 2 and 3 — Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone*

ISO 500-2, *Agricultural tractors — Rear-mounted power take-off types 1, 2 and 3 — Part 2: Narrow-track tractors, dimensions for master shield and clearance zone*

ISO 3776-1, *Tractors and machinery for agriculture — Seat belts — Part 1: Anchorage location requirements*

ISO 3776-2, *Tractors and machinery for agriculture — Seat belts — Part 2: Anchorage strength requirements*

ISO 3776-3, *Tractors and machinery for agriculture — Seat belts — Part 3: Requirements for assemblies*

ISO 4252, *Agricultural tractors — Operator's workplace, access and exit — Dimensions*

ISO 5353, *Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point*

ISO 8759-1, *Agricultural wheeled tractors — Front-mounted equipment — Part 1: Power take-off and three-point linkage*

ISO 12003-1, *Agricultural and forestry tractors — Roll-over protective structures on narrow-track wheeled tractors — Part 1: Front-mounted ROPS*

ISO 12003-2, *Agricultural and forestry tractors — Roll-over protective structures on narrow-track wheeled tractors — Part 2: Rear-mounted ROPS*

ISO 23205:2006, *Agricultural tractors — Instructional seat*

ISO 26322-1:2008, *Tractors for agriculture and forestry — Safety requirements — Part 1: Standard tractors*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 26322-1 and the following apply.

3.1

narrow-track tractor

agricultural or forestry tractor having an unladen mass greater than 600 kg and a fixed or adjustable minimum track width of the axle fitted with the larger tyres of not more than 1 150 mm, it being possible to set the track width of the axle fitted with the smaller tyres so that the overall width across those tyres is not greater than the overall width across the larger tyres, and on which, if both axles are fitted with tyres of the same size, the fixed or adjustable track width of both axles is not greater than 1 150 mm

3.2

small tractor

agricultural or forestry tractor having an unladen mass not greater than 600 kg

4 Safety requirements

4.1 Fundamental principles and design guidance

The fundamental principles and design guidance given in ISO 26322-1:2008, 4.1, apply.¹⁾

4.2 Noise

For noise, the provisions of ISO 26322-1:2008, 4.2, apply.

4.3 Controls

For controls, the provisions of ISO 26322-1:2008, 4.3, apply.

4.4 Operator station

4.4.1 Boarding means

4.4.1.1 General

The provisions of ISO 26322-1:2008, 4.4.1.1, apply.

1) This includes reference to ISO 12100-1:2003, Clause 5, since replaced by ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction*, Clauses 4 and 5.