

# INTERNATIONAL STANDARD

**ISO**  
**4254-4**

First edition  
1990-12-01

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## **Tractors and machinery for agriculture and forestry — Technical means for ensuring safety —**

### **Part 4: Forestry winches**

*Tracteurs et matériels agricoles et forestiers — Dispositifs techniques  
permettant d'assurer la sécurité —*

*Partie 4: Treuils pour matériels forestier et de sylviculture*



Reference number  
ISO 4254-4:1990(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.

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.

International Standard ISO 4254-4 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*.

ISO 4254 consists of the following parts, under the general title *Tractors and machinery for agriculture and forestry — Technical means for ensuring safety*:

- *Part 1: General*
- *Part 2: Anhydrous ammonia applicators*
- *Part 3: Tractors*
- *Part 4: Forestry winches*
- *Part 5: Soil-working equipment*
- *Part 6: Equipment for crop protection*
- *Part 7: Combine harvesters, forage and cotton harvesters*
- *Part 9: Equipment for sowing, planting and distributing fertilizers*

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International Organization for Standardization  
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

# Tractors and machinery for agriculture and forestry — Technical means for ensuring safety —

## Part 4: Forestry winches

### 1 Scope

This part of ISO 4254 specifies safety requirements for winches used on forestry machinery and agricultural machinery used in forestry.

It applies only to skidding winches mounted on mobile forestry machinery, e.g. skidders and forwarders and on agricultural machinery used in forestry operations. All winches used in cable logging systems are excluded.

ISO 4254-1 provides guidelines and requirements regarding the prevention of accidents arising from the use of tractors and machinery for agriculture and forestry.

It gives general guidelines to be met when designing tractors and machines.

The requirements of ISO 4254-1 shall be met in addition to those given in this part of ISO 4254.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 4254. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 4254 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

1) To be published.

ISO 3108:1974, *Steel wire ropes for general purposes — Determination of actual breaking load.*

ISO 3600:1981, *Tractors and machinery for agriculture and forestry — Operator manuals and technical publications — Presentation.*

ISO 3767-4:—<sup>1)</sup>, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 4: Symbols for forestry machinery.*

ISO/TR 3778:1987, *Agricultural tractors — Maximum actuating forces required to operate controls.*

ISO 4254-1:1989, *Tractors and machinery for agriculture and forestry — Technical means for ensuring safety — Part 1: General.*

ISO 6687:1982, *Machinery for forestry — Winches — Performance requirements.*

### 3 Information plates

**3.1** Bare or uninstalled winches shall be clearly and durably marked with the following information:

- name and address of manufacturer or importer where applicable;
- model of winch;
- year of manufacture;
- serial number;