
**Machinery for forestry — Winches —
Dimensions, performance and safety**

Matériel forestier — Treuils — Dimensions, performance et sécurité



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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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.

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 19472 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 15, *Machinery for forestry*.

This first edition of ISO 19472 cancels and replaces ISO 4254-4:1990, ISO 6816:1984 and ISO 6687:1994, of which it constitutes a technical revision.

Machinery for forestry — Winches — Dimensions, performance and safety

1 Scope

This International Standard defines dimensions and specifies performance and safety requirements for winches used in forestry. It is applicable to fixed and detachable winches and their components mounted on mobile and self-propelled forestry machinery such as skidders and forwarders as defined in ISO 6814 and on agricultural tractors used for skidding in forestry operations. It is not applicable to winches used for hoisting operations on cranes, draglines, high lead logging, cable logging systems or yarding.

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 3457:2003, *Earth-moving machinery — Guards — Definitions and requirements*

ISO 3600:1996, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Operator's manuals — Content and presentation*

ISO 3767-4:1993, *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 6814:2000, *Machinery for forestry — Mobile and self-propelled machinery — Terms, definitions and classification*

ISO 8084:2003 *Machinery for forestry — Operator protective structures — Laboratory tests and performance requirements*

ISO 9244:1995, *Earth-moving machinery — Safety signs and hazard pictorials — General principles*

ISO 10968:2004, *Earth-moving machinery — Operator's controls*

ISO 11684:1995, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles*

ISO 13852:1996 *Safety of machinery — Safety distances to prevent danger zones being reached by the upper limbs*