INTERNATIONAL STANDARD

ISO 6534

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Forestry machinery — Portable chain-saw hand-guards — Mechanical strength

Matériel forestier — Protections des mains des scies à chaîne portatives — Résistance mécanique

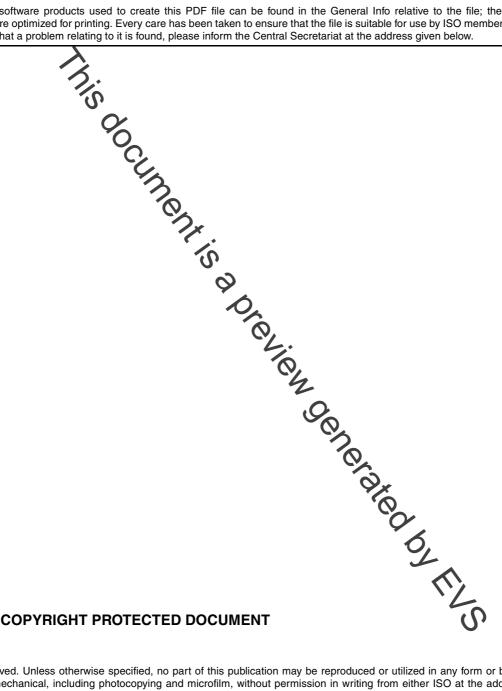


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Foreword

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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 6534 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 17, *Manually portable forest machinery*.

This third edition cancels and replaces the second edition (ISO 6534:1992), of which subclauses 5.2.2 and 5.3 have been technically revised.

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duction

The chain-saw designs will have the rear handle so offse, the blow will only partly hit the guard. A minimum distance.

The point of hit for the duggibility test has also been clarified.

This document is a document.

Forestry machinery — Portable chain-saw hand-guards — Mechanical strength

1 Scope

This International Standard specifies the mechanical strength requirements relating to the front and rear hand-guards of portable hand-held combustion engine chain-saws for use primarily in forestry. It also gives the corresponding test methods.

2 Normative reference

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 6531, Machinery for forestry — Portable chain-saws — Vocabulary

ISO 6533:2001, Forestry machinery — Portable chain-saw front hand-guard — Dimensions and clearances

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6531 apply.

4 Requirements

The front and rear hand-guards shall not break or crack when tested in accordance with Clause 5. The guards shall not deflect far enough to allow the pendulum to swing past.

Before and after the test, the dimensions of the front hand-guard small comply with the specifications of ISO 6533.

5 Test procedure

5.1 General

The test shall be carried out with the chain-saw rigidly held in the upright position for the front hand-guard test, and mounted upside down, rigidly held by the guide-bar mount, for the rear hand-guard test (see Figures 2 and 3).

If the front hand-guard also serves as the activating device for the chain-brake, it shall be in the activated position.

The impact on the guard shall be generated by a blow from a pendulum with a steel hammer in accordance with Figure 1, and an arm with a length giving 700 mm \pm 5 mm distance between the swivel point and the centre of the head. The arm shall be as light as possible. The pendulum system shall cause an impact corresponding to 10 J \pm 0,3 J from a drop height, a, of 400 mm, and of 5 J \pm 0,2 J from a drop height, a of 200 mm.

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