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Portable hand-held forestry machines – Cutting attachment for brush cutters – Single-piece metal blades

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Bärbara skogsmaskiner – Skärverktyg för röjsågar – Sågblad i metall

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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.

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 7113 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 7113:1991), of which it constitutes a technical revision. It extends the field of application to all single-piece metal blades for brush cutters, including circular saw blades. The requirement for the blade retention torque has been deleted; it will be dealt with instead in the machine safety standard for brush cutters and grass trimmers.

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Portable hand-held forestry machines — Cutting attachments for brush cutters — Single-piece metal blades

1 Scope

This International Standard specifies the requirements for the material and marking of single-piece metal blades for portable hand-held brush cutters as well as the basic dimensions and tolerances for saw blades for portable hand-held brush saws.

2 Normative reference

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

ISO 7112:—¹⁾, *Machinery for forestry — Portable hand-held brush-cutters and grass-trimmers — Vocabulary.*

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 7112 apply.

4 Blade surface quality

Except for the marking, the blade shall be free from surface imperfections deeper than 0,03 mm.

5 Blade material

5.1 Requirement

The material shall not have any cracks visible to the naked eye after being submitted to the bend test in 5.2.

5.2 Bend test

5.2.1 Preparation of specimen

Cut a specimen of the blade so that the length is perpendicular to the grain of the material. The specimen shall have a width of (35 ± 5) mm and the length shall be at least 10 mm longer than $2H$ (see figure 1). If the grain is not visible, cut three specimens in radial directions with 60° difference.

¹⁾ To be published. (Revision of ISO 7112:1982)