

# International Standard



# 7918

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

## Forestry machinery — Portable brush-saws — Circular saw-blade guard — Dimensions

*Matériel forestier — Débroussailleuses portatives — Dispositif de protection de la lame de scie circulaire — Dimensions*

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ISO 7918:1985

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**Descriptors :** agricultural machinery, forest equipment, portable equipment, saws, screens (protectors), specifications, dimensions.

Price based on 3 pages

## 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 7918 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*.

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# Forestry machinery — Portable brush-saws — Circular saw-blade guard — Dimensions

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## 1 Scope and field of application

This International Standard specifies dimensions and general safety requirements for circular saw-blade guards of portable hand-held combustion engine brush-saws for use primarily in forestry.

The guard described in this International Standard is not intended for use with grass cutter blades.

## 2 Reference

ISO 7113, *Machinery for forestry — Brush-saws — Saw-blades — Dimensions and peripheral speed.*

## 3 Dimensions and general requirements

3.1 The saw-blade guard shall cover a sector of no less than

90° at the back of the saw-blade and be positioned to give maximum protection for the operator (see figure 1).

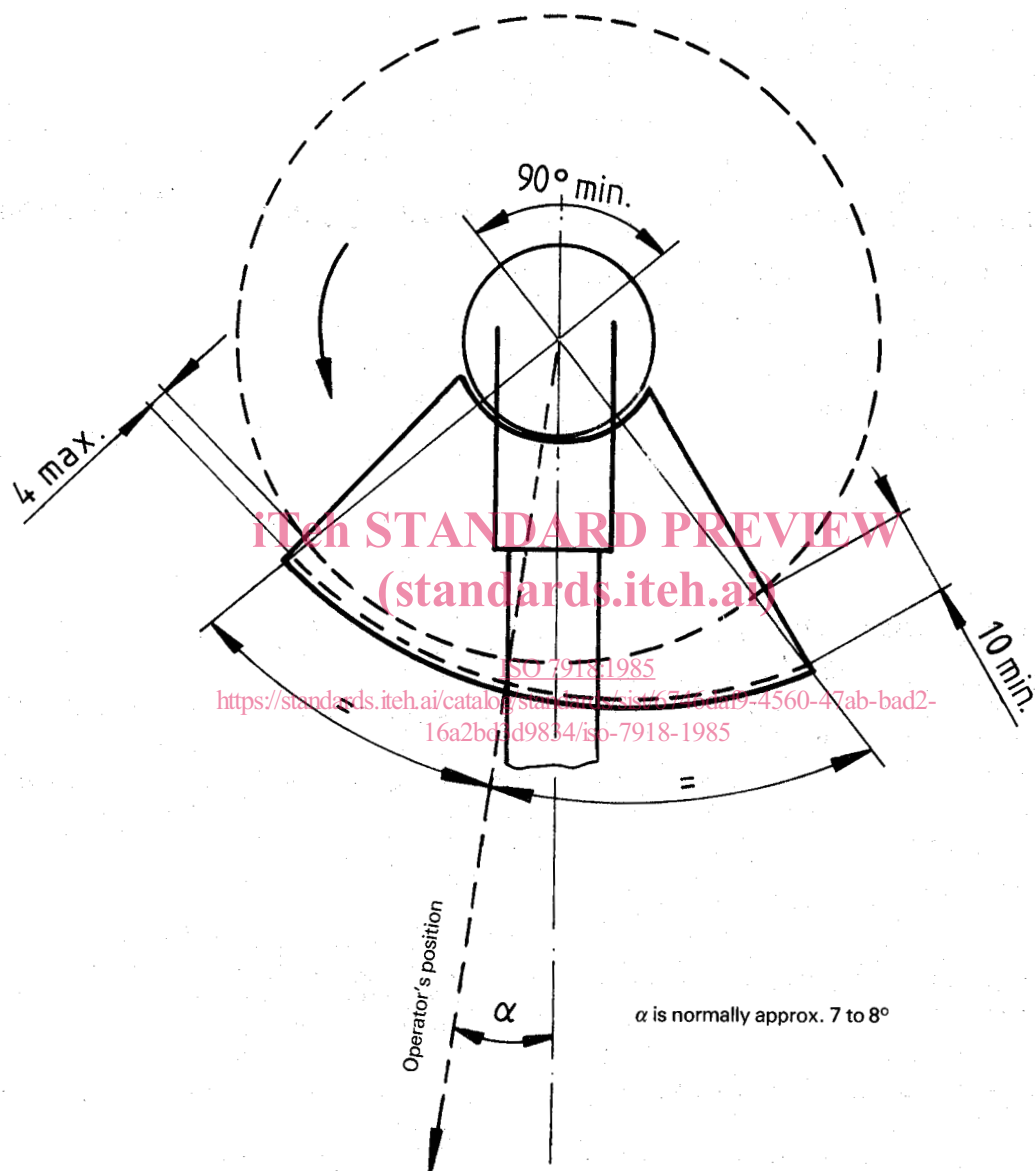
Dimensions of saw-blades are specified in ISO 7113.

3.2 The radial clearance between the saw-blade teeth and the guard shall be less than 4 mm where the blade enters the guard and thereafter increase up to at least 10 mm at the discharge point (see figure 1).

3.3 The axial clearance between the saw-blade, excluding teeth and guard shall not exceed 3 mm where the blade enters the guard and shall thereafter increase up to at least 10 mm at the discharge point (see figure 2).

3.4 The lower back edge of the guard shall cover the saw-blade by at least 10 mm and shall be rounded to avoid hooking when the saw is moving over stumps (see figure 2).

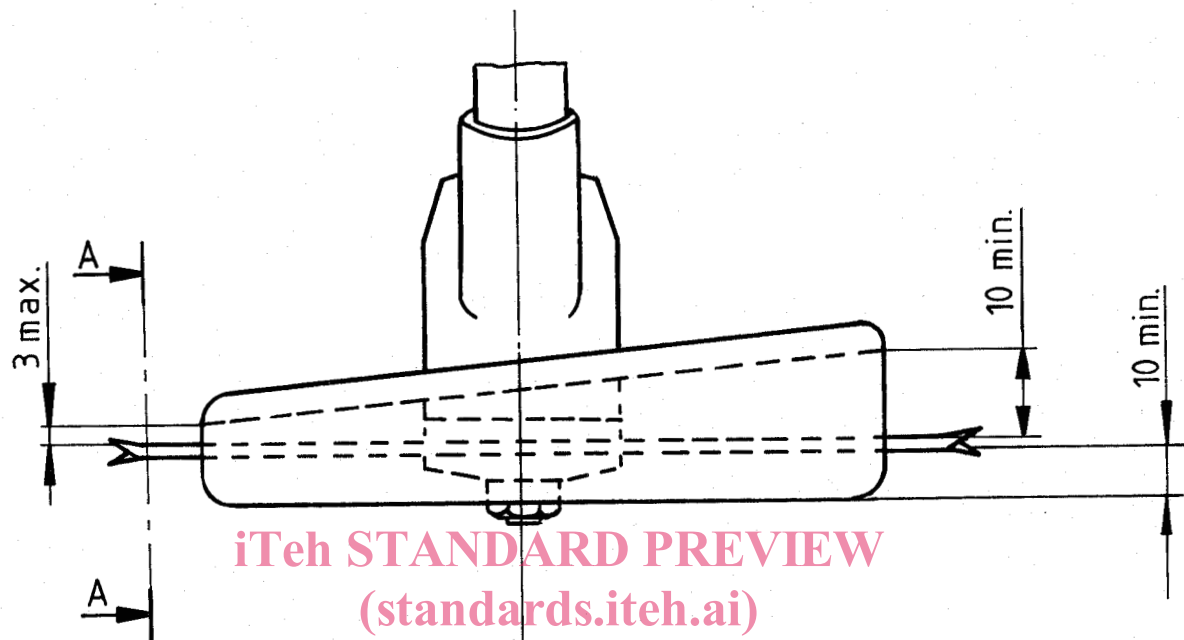
Dimensions in millimetres



NOTE — Where the saw-blade rotation is in the opposite direction, the sides of the figure are inverted.

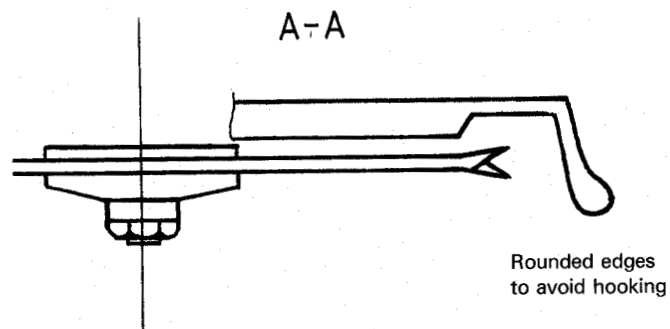
Figure 1 — Radial clearance

Dimensions in millimetres



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NOTE — Where the saw-blade rotation is in the opposite direction, the sides of the figure are inverted.

Figure 2 — Axial clearance

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