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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 46650-2025

**Portable brush-cutters and grass-trimmers - Cutting attachment
guard dimensions**

便携式割灌机和割草机 切割附件护罩尺寸

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

This document adopts ISO 7918:1995 "Dimensions of guards for cutting accessories of forestry machinery, portable brush cutters and lawn mowers".

The following minimal editorial changes have been made to this document.

---To align with existing standards, the standard name has been changed to "Dimensions of Cutting Accessory Covers for Portable Brush Cutters and Lawn Mowers".

1 Scope

This document specifies the cutting attachments for portable handheld brush cutters (including circular saw blade brush cutters) and lawn mowers powered by internal combustion engines. Minimum size requirements for protective covers.

This document does not apply to lawn mowers as defined in ISO 105181.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

ISO 7113 Portable hand-held forestry machinery - single-blade metal blade for brush cutter cutting attachments

Note: GB/T 46646-2025 Single-blade metal blade for portable brush cutter cutting accessories (ISO 7113:1999, IDT)

ISO 11806 (all parts) 2) Safety requirements and testing for portable brush cutters and lawn mowers (Agricultural and Forestry Machinery) and grass-trimmers)

Note: GB/T 19725 (all parts) Safety requirements and tests for portable brush cutters and lawn mowers for agricultural and forestry machinery [ISO 11806 (all parts)]

1) ISO 10518 was abolished in 2006.

2) ISO 11806:1997 has been updated to ISO 11806-1:2022 and ISO 11806-2:2022.

3 Terms and Definitions

The terms and definitions defined in ISO 11806 (all parts) apply to this document.

The cutter attachment guard should cover a fan-shaped area at the rear of the cutter attachment as shown in the following figures.

The lower rear edge of the protective cover should cover the cutting attachment as shown in Figures 1, 2, and 3 and should be rounded to avoid obstruction from tree stumps or other obstacles. It gets hooked when it moves upwards.

The required shield dimensions also depend on the parabolic test and requirements given in ISO 11806 (all parts).

4 Size Requirements

---Figure 1. Circular saw blade brush cutter;

---Figure 2. Non-circular blade brush cutter;

---Figure 3. Lawn mower.