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

GB/T 3883.402-2023

**Safety of motor-operated hand-held, transportable and garden
tools - Part 402: Particular requirements for hedge trimmers**

手持式、可移式电动工具和园林工具的安全 第402部分：修枝剪的专用要求

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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" Drafting. This document is Part 402 of GB/T 3883 "Safety of Hand-held and Portable Power Tools and Garden Tools". GB/T 3883

---GB/T 3883.403-2017 Safety of hand-held and portable power tools and garden tools Part

4. Walking and hand-held Special requirements for portable lawn trimmers and lawn edge

trimmers;

---GB/T 3883.401-2023 Safety of hand-held and portable power tools and garden tools Part 401: Specifications for chain saws use requirements; Special requirements. This document replaces GB/T 3883.15-2007 "Safety of hand-held power tools Part

2.Special requirements for pruning shears" and is consistent with Compared with GB/T 3883.15-2007, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) Add "including extension pole pruners with a maximum length of no more than 3.5m" to the scope, and "scissor-type grass shears" to the inapplicable scope. (See Chapter 1);
- b) Add "extension pole pruners", "pruners", "operator presence sensor" and "pole" to the terminology (see Chapter 3);
- c) Add instructions on accessories, pruning shears quality and test sample requirements to the general test conditions (see Chapter 5);
- d) Add some safety symbols, easy-to-recognize and durable marking requirements, safety instructions and information in the instructions to the signs and instructions (See Chapter 8);
- e) Modify and add test conditions in moisture resistance (see Chapter 14, Chapter 14 of the.2007 edition);
- f) Abnormal operations are added to Table 4 (see Chapter 18);
- g) Inapplicable clauses are stated in Mechanical Hazards.

19.101.1.1 modifies the general requirements for handles and adds

1 Scope

GB/T 3883.402-2023 is Part 402 of the Chinese safety series for hand-held, transportable and garden tools, and gives the particular requirements for hedge trimmers. A hedge trimmer is an exposed reciprocating blade held at arm's length, often above head height, by an untrained user on a ladder, with the supply cord or the battery pack in the cutting path; the safety of the tool therefore rests on the two-hand control, the blade brake that must stop the blades within a specified time, the guard at the far end and the hand protection. The standard follows the clause structure of the general standard, setting the particular requirements for marking and instructions, protection against access to live parts, starting, input and current, heating, leakage current and electric strength, moisture resistance, corrosion resistance, transformer overload protection, endurance, abnormal operation, mechanical hazards, mechanical strength, construction, internal wiring, components, supply connection and external cords, terminals, earthing, screws and connections, creepage distances and clearances, and resistance to heat and fire. It took effect on 1 April

2024.

Except for the following provisions, this chapter of GB/T 3883.1-2014 applies. Increase. This document applies to pruning shears used by one person for trimming hedges and shrubs, including extension pruners with a maximum length of not more than 3.5m. Pruners.

Note 101: For the measurement of the length of extension rod pruners, see the provisions of 21.101. This document does not apply to pruning shears with rotating blades. This document does not apply to scissor-type grass shears.

Note 102: Scissor-type grass shears are included in GB/T 4706.64.

2 Normative reference documents

Except for the following provisions, this chapter of

GB/T 3883.1-2014 applies. Increase.

GB/T 5390-2013 Specification for noise measurement of portable handheld operating machinery powered by internal combustion engines in forestry and gardening machinery Process method (accuracy level 2) (ISO 22868.2011, IDT)

GB 10396-2006 General principles for safety signs and hazard graphics for agricultural and forestry tractors and machinery, lawn and garden power machinery (ISO 11684.1995,IDT)

GB/T 20247-2006 Sound absorption measurement in acoustic reverberation rooms (ISO 354.2003, IDT) IEC 61672-

3 Terms and definitions

Except for the following provisions, this chapter of GB/T 3883.1-2014 applies.

3.101 blade controller bladecontrol A device activated by the operator's hand or fingers to start and stop the operation of a cutting device.