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

GB/T 3883.205-2019

**Safety of motor-operated hand-held, transportable and garden
tools -- Part 205: Particular requirements for hand-held circular
saws**

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Foreword

Part 2 of the Handheld, Portable Power Tools and Garden Tools Safety Handheld Power Tools, currently consisting of the following 5 parts

composition.

---GB/T 3883.201-2017 Safety of hand-held, portable power tools and garden tools - Part 2. Drills and impact

Special requirements for electric drills;

--- GB/T 3883.202-2019 Safety of hand-held, portable power tools and garden tools - Part 202. Hand-held snails

Special requirements for wire cutters and impact wrenches;

--- GB/T 3883.204-2019 Safety of hand-held, portable power tools and garden tools - Part 204. Hand-held

Special requirements for disc sanders and polishing machines;

Special requirements for saws;

--- GB/T 3883.210-2019 Safety of hand-held, portable power tools and garden tools - Part 210. Hand-held

Special requirements for planing.

This part is part 205 of GB/T 3883.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part replaces GB/T 3883.5-2007 "Safety of Hand-held Power Tools - Part 2. Special Requirements for Circular Saws", and

Compared with GB/T 3883.5-2007, the main technical changes are as follows.

--- The term "guide plate" was modified to "base plate" with the addition of the terms "tilt angle" "D" "guard" "maximum sawing depth" (see Chapter 3,

Chapter 3 of the.2007 edition);

--- Description of the increase in the quality of the circular saw in the general conditions of the test (see Chapter 5);

--- Durability Zhongyuan BB.20.102 moved to 17.101, which was originally modified for all circular saws only for circular saws without a dividing knife.

Make relevant modifications; the original BB.20.101 moved to 17.102, which was originally modified for all rounds only for circular saws without a dividing knife

Saw and make related modifications (see Chapter 17, Appendix BB of the.2007 edition);

--- Abnormal operation to modify Table 4 of Part 1 (see Chapter 18, Chapter 18 of the.2007 edition);

---Mechanical hazard in the original 19.1 moved to 19.1.101; 19.3 changed to not applicable and increased the note; 19.101~19.106 are related to the relevant modifications

(See Chapter 19, Chapter 19 of the.2007 edition);

--- Mechanical strength modification of the original 20.1, an increase of 20.3 replacement (see Chapter 20, Chapter 20 of the.2007 edition);

--- Structure increased by 21.18.1.1; the original 21.18 moved to 21.18.1.2, and related modifications; increase 21.101 (see Chapter 21,

Chapter 21 of the.2007 edition);

--- Increase the informative Appendix I "Measurement of noise and vibration" (see Appendix I);

--- Increase BB.20.101 (see Appendix BB).

This section uses the translation method equivalent to IEC 62841-2-5.2014 "motor-driven hand-held, portable power tools and garden machines

Safety of equipment - Part 2-5. Particular requirements for hand-held circular saws.

This section has made the following editorial changes.

--- Change the standard name to "Safety of hand-held, portable power tools and garden tools - Part 205. Hand-held circular saws

Special requirements."

This part should be in accordance with GB/T 3883.1-2014 "Safety of hand-held, portable power tools and garden tools - Part 1. General

Seek to use together.

This section states the "applicable" part, indicating that the corresponding clauses in GB/T 3883.1-2014 apply; this section states the "replacement" part.

The terms in this section shall prevail; the part of this section that states "modifications" shall be related to the corresponding provisions of GB/T 3883.1-2014.

The content shall be subject to the revised content of this section, and the other contents of the clause shall still apply; the part of this section indicating "increase" means

In addition to the corresponding provisions of GB/T 3883.1-2014, it should also comply with the provisions added in this section.

This part was proposed by China Electrical Equipment Industry Association.

This part is under the jurisdiction of the National Power Tools Standardization Technical Committee (SAC/TC68).

This section drafted by. Nanjing Deyi Industrial Co., Ltd., Shanghai Electric Tools Research Institute (Group) Co., Ltd., Bao Shide Technology (?)

Guo) Co., Ltd., Zhejiang Yate Electric Co., Ltd., Zhengyang Technology Co., Ltd., Jiangsu Sumeida Hardware Tools Co., Ltd., Zhejiang Xin

Yuan Electric Manufacturing Co., Ltd., Ruiqi Holdings Co., Ltd.

Introduction

In 2014, China issued the national standard GB/T 3883.1-2014 "Handheld, portable power tools and garden tools safety

Part 1. General Requirements, the original GB/T 3883 (handheld power tool part), GB/T 13960 (portable power tool part) and

GB/T 4706 (only for garden power tools) is integrated with the common technical requirements of the general safety standards for the three series of power tools.

The specific requirements for the specific types of small products used in conjunction with GB/T 3883.1-2014 are 3 parts, respectively, part 2 (hand

The part of the holding power tool), the third part (portable power tool part), the fourth part (the part of the garden power tool) are all converted to the corresponding country.

Special requirements for the standard IEC 62841 series.

The main elements of the standard name are expanded to "safe for hand-held, portable power tools and garden tools", using the original hand-held power tools

Part of the standard number GB/T 3883. The standard part number of each part of the

small product is composed of 3 digits, of which the first digit

Indicates the corresponding part, and the 2nd and 3rd digits represent different subcategories.

The new GB/T 3883 series standard will form a safe, complete, universal, unified safety tool series for power tools.

The system makes the implementation of the standard more practical and easy to use.

At present, the new GB/T 3883 series standard "Handheld Power Tools Part" has been released as follows.

---GB/T 3883.201-2017 Safety of hand-held, portable power tools and garden tools - Part 2. Drills and impact

Special requirements for electric drills (instead of GB/T 3883.6-2012);

--- GB/T 3883.202-2019 Safety of hand-held, portable power tools and garden tools - Part 202. Hand-held snails

Special requirements for wire cutters and impact wrenches (instead of GB/T 3883.2-2012);

--- GB/T 3883.204-2019 Safety of hand-held, portable power tools and garden tools - Part 204. Hand-held

Special requirements for disc sanders and polishing machines (instead of GB/T 3883.4-2012);

Special requirements for saws (instead of GB/T 3883.5-2007);

--- GB/T 3883.210-2019 Safety of hand-held, portable power tools and garden tools - Part 210. Hand-held

Special requirements for planing (instead of GB/T 3883.10-2007).

The following standards will be revised in the future.

---GB/T 3883.3-2007 Safety of hand-held power tools - Part 2. Specializations for grinders, polishing machines and disc sanders

Use requirements;

--- GB/T 3883.7-2012 Safety of hand-held power tools - Part 2. Particular requirements for hammers;

--- GB/T 3883.8-2012 Safety of hand-held power tools - Part 2. Particular requirements for electric scissors and electric punches;

--- GB/T 3883.9-2012 Safety of hand-held power tools - Part 2. Particular requirements for tapping machines;