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

GB/T 3883.209-2021

**Safety of motor-operated hand-held, transportable and garden
tools - Part 209: Particular requirements for hand-held tappers
and threaders**

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Foreword

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

Drafting.

This document is part 209 of GB/T 3883 "Safety of Handheld and Portable Electric Tools and Garden Tools". "Handheld, removable

Hand-held power tools in Part 2 of "Safety of Portable Power Tools and Garden Tools", currently consists of the following 7 parts.

---GB/T 3883.201-2017 Safety of hand-held and portable electric tools and garden tools Part 2.Electric drills and impact

Special requirements for electric drills;

---GB/T 3883.202-2019 Safety of hand-held and portable electric tools and garden tools Part 202.Hand-held screws

Special requirements for wire cutters and impact wrenches;

---GB/T 3883.204-2019 The safety of hand-held, portable electric tools and garden tools Part 204.Hand-held non-

Special requirements for disc sander and polishing machine;

---GB/T 3883.205-2019 Safety of hand-held and portable electric tools and garden tools Part 205.Hand-held circular

Special requirements for saws;

Special requirements for threading machine and pipe threading machine;

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

Special requirements for planing;

---GB/T 3883.211-2021 Safety of hand-held, portable electric tools and garden tools Part 211.Hand-held

Special requirements for double sawing.

This document replaces GB/T 3883.9-2012 "Safety of hand-held electric tools Part 2.Special requirements for tapping machines",

Compared with GB/T 3883.9-2012, the main technical changes are as follows.

- 1) Scope. add pipe threader (see Chapter 1, Chapter 1 of the.2012 edition);
- 2) Normative references. add ISO standards (see Chapter 2, Chapter 2 of the.2012 edition);
- 3) Terms and definitions. add pipe threader (see Chapter 3, Chapter 3 of the.2012 edition);
- 4) Test general conditions. add the description of the quality of the tapping machine and the threading machine (see Chapter 5, Chapter 5 of the.2012 edition);
- 5) Marks and instructions. 8.1 increase the requirements of pipe threading machines; increase the relevant requirements of 8.14.1, 8.14.1.101, 8.14.2a) and 8.14.2b)

Seek (see Chapter 8, Chapter 8 of the.2012 edition);

- 6) Input power and current. increase the relevant requirements for pipe threading machines (see Chapter 11, Chapter 11 of the.2012 edition);
- 7) Fever. The original 12.4 was moved to 12.2.1, and the requirements for the pipe threader were added; 12.5 was added (see Chapter 12, Chapter 12 of the.2012 edition);
- 8) Abnormal operation. Modify Table 4 of Part 1 (see Chapter 18, Chapter 18 of the.2012 edition);
- 9) Mechanical strength. increase the support device for the pipe threader (see Chapter 20, Chapter 20 of the.2012 edition);
- 10) Structure. increase 21.18.1.1; increase the requirements for pipe threading machines (see Chapter 21, Chapter 21 of the.2012 edition);
- 11) Components. modify the requirements for the power switch of the pipe threader (see Chapter 23, Chapter 23 of the.2012 edition);
- 12) Power connection and external flexible cord. increase the requirements for the use of rubber insulated cables (see Chapter 24, Chapter 24 of the.2012 edition);
- 13) Add an informative appendix "Measurement of Noise and Vibration" (see Appendix I);
- 14) Appendix K. Revise Table 4 of Special Requirements.

The translation method used in this document is equivalent to the IEC 62841-2-9.2015 "Electric Motor Driven Handheld and Portable Electric Tools and Garden Machines"

Safety Part 2-9.Particular Requirements for Hand-held Tapping Machines and Threading Machines".

This document has made the following editorial changes.

---The name of the standard was revised to "Safety of hand-held and portable electric tools and garden tools. Part 209.Hand-held tapping machines and

Special requirements for pipe threading machines";

---Included the technical errata content of IEC 62841-2-9.2015/COR1.2015, and deleted Chapter 18 and Chapter K.18 in the original table 4

"Self-reset prevention required by 23.3" and the corresponding level, the outer margins of the clauses involved shall use vertical double lines (||)

Marked.

This document shall be in accordance with GB/T 3883.1-2014 "Safety of Handheld and Portable Electric Tools and Garden Tools Part 1.General Requirements"

Seek to be used together.

The "applicable" part of this document indicates that the corresponding provisions in GB/T 3883.1-2014 are applicable; this document specifies the "replacement" part,

The provisions in this document shall prevail; the part in this document that states "modification" indicates the relevant provisions of GB/T 3883.1-2014

The content should be based on the revised content of this document, and the other content in this clause still applies;

In addition to complying with the corresponding provisions of GB/T 3883.1-2014, it should also comply with the additional provisions of this document.

This document was proposed by the China Electrical Equipment Industry Association.

This document is under the jurisdiction of the National Electric Tool Standardization Technical Committee (SAC/TC68).

Drafting organizations of this document. Zhengyang Technology Co., Ltd., Shanghai Electric Tool Research Institute (Group) Co., Ltd., Jiangsu Dongcheng Electric Industrial Co., Ltd.

Tools Co., Ltd., Jiangsu SUMEC Hardware Tools Co., Ltd., Ruiqi Holdings Co., Ltd.

Introduction

In 2014, my country issued the national standard GB/T 3883.1-2014 "Safety No. of Handheld and Portable Power Tools and Garden Tools"

Part 1. General Requirements, the original GB/T 3883 (part of hand-held power tools), GB/T 13960 (part of portable power tools) and

The common technical requirements of the general safety standards for the three major series of electric tools in GB/T 4706 (only for garden power tools) have been integrated.

There are 3 parts in the special requirements for specific types of small products that are used in conjunction with GB/T 3883.1-2014.

Portable power tools part), part 3 (portable power tools part), and part 4 (garden power tools part), all transform the corresponding country

The specific requirements of the international standard IEC 62841 series.

The main element of the standard name is expanded to "safety of hand-held, portable power tools and garden tools", and the original hand-held power tools are used

Part of the standard number GB/T 3883. The standard sub-part number of each sub-category product consists of three digits, of which the first digit

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

The new version of the GB/T 3883 series of standards will form a more scientific, complete,