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

GB 3883.18-2009

Replacing GB 3883.18-1995

**Safety of hand held motor-operated electric tools -- Part 2:
Particular requirements for tile saws [including MODIFICATION
1]**

手持式电动工具的安全 第二部分：石材切割机的专用要求

(English Translation)

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Annex K (normative) Battery-operated tools and battery case

Annex L (normative) provides power connection or non-isolated source of battery-operated tools and battery case

References

Foreword

All technical content in this section is mandatory.

This part belongs to GB 3883 "Safety of hand-held power tool" in the second part of the standard series. The series of standards and Names as follows.

GB 3883.1 "safe hand-held electric tools Part 1. General requirements" GB 3883.2 "safe hand-held electric tools Part II. screwdrivers and impact wrenches." GB 3883.3 "safe hand-held electric tools Part II. grinders, polishers and disc sanders requirements" GB 3883.4 "safe hand-held electric tools Part II. Non-disc sanders and polishers special requirements" GB 3883.5 "The second part of the security hand-held power tools. requirements for circular saws" GB 3883.6 "safe hand-held electric tools Part II. drills and impact drills requirements" GB 3883.7 "The second part of the security hand-held power tools. hammers requirements for tools" GB 3883.8 "safe hand-held electric tools Part II. electric shears and special requirements" GB 3883.9 "safe hand-held electric tools Part II. Particular requirements for tappers" GB 3883.10 "safe hand-held electric tools Part II. Particular requirements for planers" GB 3883.11 "safe hand-held electric tools Part II. reciprocating saws (jig saw, saber saws) special requirements" GB 3883.12 "safe hand-held electric tools Part II. Particular requirements for concrete vibrators" GB 3883.13 "the second part of the security hand-held power tools. non-flammable liquid spray guns for special requirements" GB 3883.14 "the second part of the security hand-held power tools. chain saws requirements" GB 3883.15 "the second part of the security hand-held power tools. pruning shears requirements" GB 3883.16 "safe hand-held electric tools Part II. Particular requirements for tackers" GB 3883.17 "safe hand-held electric tools Part II. routers and trimmers special requirements" GB 3883.18 "safe hand-held electric tools Part II. Particular requirements for marble cutters" GB 3883.19 "safe hand-held electric tools Part II. Particular requirements for drain cleaners" GB 3883.20 "the second part of the security hand-held power tools. Particular requirements for strapping" GB 3883.21 "the second part of the security hand-held power tools. requirements for band saws" GB 3883.22 "safe hand-held electric tools Part II. Particular requirements for slot machines" Since the implementation of this section instead of GB 3883.18-1995, and used with GB 3883.1-2005 version.

This section GB 3883.18-1995 major technical modifications include.

1) reg changes in the structure of the first part due to the partial revision caused.

2) Delete "normal load" is defined, add "rated capacity", "residual current device" is defined. The "stone cutter" formula Meaning changed to "In rotating diamond saw cutting marble and other stone, tile, concrete and similar materials tool operation, Connected by pipes to a water supply, turn on the water valve connectors, diamond saw blades for cooling and dust. "

3) Original Chapter 7, "flag" to Chapter 8, "Marking and instructions".

--- Modify the original 7.1 and 7.11 standard "add" section and section 8.1 7.11 incorporated "add" section.

Increase the technical content. the rated load speed like 0,/min or r/min; maximum nominal rated capacity, diamond saw blade Diameter, mm; diamond saw blade rotation direction; providing a tool spindle with a threaded shaft threads should show size;

"Warning! Always wear goggles," or ISO M004 symbol 7010.

--- Modify the original standard 7.13,7.101 oriented section 8.12.1; be revised to 7.101 "cutting machine must be made through isolation transformer Powered or use a residual current operated protective devices for shock protection, and lists its type or technical parameters. "

--- Increase and new 8.12.101 stone cutter safety instructions on the first part of the increase 8.12.2b) of.

4) increase 9.101. Cutting machine with residual current operated protective devices should satisfy a) and b) request.

5) delete the original standard in Chapter 10, section 10.1 of the first modification of the test do not do. To "GB 3883.1-2005 Chapter 11 applies. "

6) 11.4 in the "normal load" with "by 12.2."

7) modify the requirements of 19.1 shield, 19.102 flange requirements.

8) increase the mechanical strength requirements of 20.101 shroud.

9) changes to the first part of the increase of 21.16.

"Cutter should either.

--- III class structure, or

--- I or class II class structure, equipped with a residual current device and comply with the requirements of 9.101 and 21.102, or Used together --- I or class II class structure, designed to isolate the transformer, the isolation transformer to meet the GB 19212.5 Seek, and the rated output voltage not exceeding 115V. "

10) to modify the original standard 20.19 for the first part of 21.18.1.

11) delete the original standard 20.101, an increase of 21.101 "cutting machine should be designed for stationary and can not be turned over to use tools such as If there is no suitable tool upside down stable position, namely that the requirements have been met. "

12) increased by 21.102, on the "cutting should protect users from the normal conditions of use and water pipes or connector fault conditions Requirements and test methods under '.

13) Chapter 24 changes to increase the first part.

24.4 Change the first paragraph as follows.

The most lightweight cable cutter can be used as follows.

Ordinary neoprene sheath or synthetic rubber sheath flexible cable having the same performance (GB 5013.4 of 245IEC 57).

14) increased 1 stone cutting machine, 2 flange parameters.

15) Appendix, increasing the first part of Appendix K, Appendix L modifications.

This section states that "applicable", expressed in GB 3883.1-2005 the corresponding provisions applicable; this section states that "change", you should to the provisions of this section shall prevail; This section states that "modify", expressed in GB 3883.1-2005 corresponding provisions of the relevant content should be present the modified content section shall prevail, and the provision of other content still apply; this states "addition", expressed in addition to compliance with GB 13960.1-Outside the corresponding provisions of the 2005's, this section shall comply with the increased provision.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Power Tools Standardization Technical Committee (SAC/TC68) and focal point responsible for the interpretation.

This section is responsible for drafting unit. Shanghai Electric Tool Research Institute.

1 Scope

Except for the following provisions, GB 3883.1-2005 of this chapter apply.

1.1

Change as follows.

This section applies with water, hand-held operation performed by 200mm and below the diamond saw blade stone cutting machine (hereinafter referred to as cutting Machine, see Fig. 1).