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

GB 3883.6-2012

Replacing GB 3883.6-2007

**Safety of hand-held motor-operated electric tools -- Part 2:
Particular requirements for drills and impact drills**

手持式电动工具的安全 第2部分：电钻和冲击电钻的专用要求

(English Translation)

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Table of Contents

Introduction

1 Scope

2 Normative References

Terms and definitions 1

4 General Requirements

Foreword

All technical contents of this section is mandatory.

GB 3883 "Safety of hand-held electric tools" are safety standards for hand-held power tools, by General requirements - Part 1 and 2 Part requirements for the composition. GB 3883 composition "safe hand-held electric tools" are as follows.

--- GB 3883.1 "The first part of the security hand-held power tools. General requirements"

--- GB 3883.2 "Safety - Part 2 hand-held power tools. screwdrivers and impact wrenches."

--- GB 3883.3 "safe hand-held electric tools Part II. grinders, polishers and disc sanders requirements"

--- GB 3883.4 "Safety of hand-held electric tools Part 2. Non-disc sanders and polishers other special requirements"

--- GB 3883.5 "The second part of the security hand-held power tools. circular saws"

--- GB 3883.6 "Safety - Part 2 hand-held power tools. electric drills and impact drills requirements"

--- GB 3883.7 "Safety handheld power tool Part 2. requirements for hammers tool"

--- GB 3883.8 "Safety of hand-held electric tools Part 2. Particular requirements for electric shears and of"

--- GB 3883.9 "Safety - Part 2 hand-held power tools. tappers requirements"

--- GB 3883.10 "safe hand-held electric tools Part II. Particular requirements for planers"

--- GB 3883.11 "handheld power tool safety Part 2. reciprocating saws (jig, saber saws) special requirements"

--- GB 3883.12 "Safety - Part 2 hand-held power tools. 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. Particular requirements for chain saws."
- 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 "the second part of the security hand-held power tools. routers and trimmers special requirements"
- GB 3883.18 "the second part of the security hand-held power tools. Particular requirements for marble cutters"
- GB 3883.19 "safe hand-held electric tools Part 2. Particular requirements for drain cleaners."
- GB 3883.20 "Safety - Part 2 hand-held power tools. requirements for strapping"
- GB 3883.21 "Safety - Part 2 hand-held power tools. band saws"
- GB 3883.22 "Safety handheld power tool of the second part. the requirements for slotter" this section GB 3883 Part 2. impact drills and drill requirements.

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

This partial replacement GB 3883.6-2007 "Safety handheld power tool of the second part. impact drills and drill requirements", Compared with GB 3883.6-2007, the main changes are as follows.

- In "signs and instructions", add details about security warnings (see 8.12.1.1);
- In the "Components", change 23.3;
- modified appendix K, Appendix L;
- for 3.102,8.1,12.3,17.2,19.1,19.101,21.18, 101 editorial changes.

This section uses the translation method identical with IEC 60745-2-1:2008 (2.1 version) "Safety - Part 2-1 hand-held power tools.

Drills and impact drills requirements ", and identical with IEC 60745-1:2006 (version 4.0)" safety first hand-held power tools Part I. General requirements "established by GB 3883.1-2008" The first part of the security hand-held power tools. General requirements "used together.

This section states that "suitable", showing the corresponding provisions applicable in GB 3883.1-2008; stated in this section, "Change", and should in this section prevail provisions;

stated in this section, "Edit", and indicates the corresponding provision of GB 3883.1-2008 content should be present the modification is part of the subject, and the provision of other content still apply; this states "addition", expressed in addition to satisfying GB 3883.1-2008 outside the corresponding provision of this section shall comply with the added provision.

This section was proposed by China Electrical Equipment Industrial Association.

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

This section was drafted. Shanghai Electric Tool Research Institute.

This part drafter. Pan Shunfang, Libang Association, according to Li, Liu Jiang.

This section replaces the following previously issued as follows.

--- GB 3883.6-1985, GB 3883.6-1991, GB 3883.6-2007.

Safety of hand-held power tools Part 2. Particular requirements for drills and impact drills

1 Scope

In addition to the following provisions, GB 3883.1-2008 of this chapter apply.

increase.

This section applies to drills and impact drills.

2 Normative references

This chapter GB 3883.1-2008 is applicable.

3 Terms and Definitions

In addition to the following provisions, GB 3883.1-2008 of this chapter apply.

Increased definition.

3.101

Drill drill

A specially designed tool in a variety of materials such as metal, plastic, wood, etc. for drilling.

3.102

Impact drill impactdril A specially designed tool for drilling in concrete, masonry and similar materials. Its shape and structure is similar to the drill, but a Built-impact mechanism, so as to generate an axial rotation of the output shaft impact movement.

It can not have a means to make the operation of the impact mechanism, for use as a drill.

4 General requirements

This chapter GB 3883.1-2008 is applicable.

General requirements Test 5 in addition to the following provisions, GB 3883.1-2008 of this chapter apply.

5.5 Addition.

For both the mechanical means for setting different speed range, but also within a given range for the conditioning electronics speed drill, the mechanical device is adjusted to the lowest possible speed range, the electronic device and the adjusting value given to the highest speed range.

6 Void

Category 7

This chapter GB 3883.1-2008 is applicable.

8 Signs and instructions

In addition to the following provisions, GB 3883.1-2008 of this chapter apply.

8.1

Addition.

After the first four dashes increase.

---place of origin;

Drills and impact drills shall be marked with the following.

--- rated load speed, min-1 or r/min;

--- maximum holding ability, in millimeters (mm).

8.12.1.1

increase.

Security epigram.

--- To Wear ear when using impact drills. Exposure to noise can cause hearing loss.

Note: The above aphorism applies only to impact drill, drill to be ignored.

--- auxiliary tools provided with a handle. Operating missed cause personal injury.

--- may touch or itself when the dark line of the cord is operated in the drilling attachment,