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

GB/T 32800.4-2016

**Hand-held non-electric power tools -- Safety requirements --
Part 4: Non-rotary percussive power tools**

手持式非电类动力工具 安全要求 第4部分：纯冲击式动力工具

(English Translation)

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Foreword

GB/T 32800 "Handheld non-power power tools safety requirements" is divided into the following parts.

- Part 1. Assembly power tools for non - threaded fasteners;
- Part 2. Cut off and withhold power tools;
- Part 3. Drilling and tapping machines;
- Part 4. pure impact powered tools;
- Part 5. Rotary impact drilling tools;
- Part 6. Assembly power tools for threaded fasteners;
- Part 7. Grinders;
- Part 8. Polishing machines and polishing machines;
- Part 9. Grinders for molds;
- Part 10. Extrusion power tools;
- Part 11. Blanking machines and scissors;
- Part 12. Disc, pendulum and reciprocating saws;

- Part 13. Fastener drive tool.

This part is part 4 of GB/T 32800.

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

This part uses the translation method equivalent to ISO 11148-4.:2012 "Handheld non-power power tools Safety requirements Part 4. Pure Impact powered tool".

In this part of the normative reference to the international documents have a consistent correspondence between the following documents.

--- GB/T 2893.2-2008 Graphical symbols - Safety colors and safety signs - Part 2. Design principles for product safety labels (ISO 3864-2.:2004, MOD) GB/T 5898-2008 Hand-held non-electric power tools Noise measurement method Engineering method (Level 2) (ISO 15744.

2002, IDT)

Rock drilling machinery and portable power tools - Part 1. Rock drilling machines, pneumatic tools and Pneumatic machinery (ISO 5391.:2003, MOD) Rock drilling machinery and portable power tools - Part 2. Hydraulic tools (ISO 17066.

2010, IDT)

Rock drilling machinery and portable power tools - Part 4. Performance tests (ISO 3857-3. 1989, MOD)

GB/T 14574-2000 Marking and verification of noise emission values for acoustic machines and equipment (eqvISO 4871..1996) Graphical symbols for use in equipment - Part 1. Generic symbols (ISO 7000.:2004, NEQ) GB/T 16273.1-2008.

This section makes the following editorial changes.

- 3.1.13.1 and 3.1.13.2 of the international standard are consolidated in 3.1.13;

--- For ease of understanding, change "x" in Table 1 to "sqrt";

--- "ISO 15744 5.2" changed to "ISO 15744 6", "ISO 28927-6," ISO 28927-9, ISO 28927-10 5.3 "to" ISO 28927-6, ISO 28927-9, ISO 28927-10 6.3 ";

--- corrected ISO 11148-4.:2012,4.1 paragraph 3 printing error, that is, "drill and tapping machine" to "pure impact power tool";

- corrected printing errors in paragraph 1 of ISO 11148-4.:2012, 5.3 and 6.2.2.12, "ISO 28927-9 hammers and crushers" Changed to "ISO 28927-9 derusting hammer and needle derusting machine", "ISO 28927-10 derusting hammer and needle derusting machine" changed to "ISO 28927-10 Impact rock drill, hammer and breaker";

--- Corrected the printing error in 6.2.1, change "6.2.2.4 ~ 6.2.2.11" to "6.2.2.5 ~ 6.2.2.12";

--- Corrected typographical errors in 6.4.3.1 and changed "5.3" to "6.3".

This part is made by the China Machinery Industry Federation.

This part of the National Rock Drilling Machinery and Pneumatic Tools Standardization Technical Committee (SAC/TC173) centralized.

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Safety requirements for hand - held non - electric power tools Part 4. pure impact powered tools

1 Scope

This part of GB/T 32800 is suitable for hand-held non-electromagnetism for crushing, riveting, crushing of concrete and asphalt, etc.

Force tool (hereinafter referred to as "pure impact power tool"). Pure shock powered tools can be driven by compressed air, hydraulic oil or internal combustion engines with or without a suspension, such as a balancing device, for use by one operator with one hand or both hands.

This part of GB/T 32800 covers the following products.

Crusher

- cutting hair machine;
- shovel;
- small chisel;
- carving pen;
- needle beam rust;
- pick;

Piling machine

- portable pile driver;
- printer;
- tamping machine;
- Impact Riveting Machine;

- derusting machine;
- stone hammer;
- shovel;
- tamping machine.

Note 1: Examples of pure impact power tools are given in Appendix B.

This part does not apply to special requirements and modifications to the installation of the pure impact powered tool on the clamping device.

This section deals with the fact that, in addition to the use of pure shocks in potentially explosive atmospheres as a power tool, Use of all the noteworthy dangerous,, or dangerous events when using the tool under misuse conditions.

Note 2: EN13463-1 gives the requirements for the use of non-electrical equipment in potentially explosive atmospheres.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 15706-2012 General principles of mechanical safety design Risk assessment and risk reduction (ISO 12100.:2010, IDT) ISO 3857-3 Compressors, pneumatic tools and mechanical vocabulary - Part 3. Pneumatic tools and machinery (Compressors, pneumatictoolsandmachines-Vocabulary-Part 3. Pneumatictoolsandmachines ISO 3864-2 Graphical symbols - Safety colors and safety signs - Part 2. Design principles for product safety labels (Graphical symbols-Safetycoloursandsafety signs-Part 2. Designprinciplesforproductsafetylabels)