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

GB/T 32800.6-2023

**Hand-held non-electric power tools - Safety requirements - Part
6: Assembly power tools for threaded fasteners**

手持式非电类动力工具 安全要求 第6部分：螺纹紧固件用装配动力工具

(English Translation)

Issued on: November 27, 2023

Implemented on: June 1, 2024

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting:

This document is Part 6 of GB/T 32800 "Safety Requirements for Handheld Non-Electric Power Tools": GB/T 32800 has been released the following sections are included:

---Part 1: Assembly power tools for non-threaded structural fasteners;

---Part 2: Cutting off and withholding power tools;

---Part 3: Drilling and tapping machines;

---Part 4: Pure impact power tools;

---Part 5: Rotary impact drilling tools;

---Part 6: Assembly power tools for threaded fasteners;

---Part 8: Grinding and polishing machines;

---Part 9: Grinding machines for molds;

---Part 10: Extrusion power tools;

---Part 11: Punching and shearing machines and scissors:

This document is equivalent to ISO 11148-6:2012 "Safety requirements for hand-held non-electric power tools Part 6: Threaded fasteners" Assembling Power Tools":

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

Introduction

In order to standardize the safety requirements for handheld non-electric power tools to protect the personal health of operators and the safety of equipment and the environment, international standards the chemical organization has released ISO 11148, a total of 13

parts of documents: Our country plans to adopt the 13 partial documents of ISO 11148 on an equal basis and formulate them as the corresponding documents of each part of GB/T 32800: GB/T 32800 is planned to be composed as follows:

---Part 1: Assembly power tools for non-threaded structural fasteners: Covers riveting machines, riveting or plug tools, broken rod locking bolts Tools, mandrel riveting tools, rivet nut holders:

---Part 2: Cutting off and withholding power tools: Covers non-yoke crimpers, cutters, cutting tools, cutting pliers, and crimping pliers:

---Part 3: Drilling and tapping machines: Covers drills, double-handle heavy-duty drills, and tapping machines:

---Part 4: Pure impact power tools: Covers crushers, chisels, shovels, engraving pens, rust removal hammers, picks, portable pile drivers, Printing machine, tamping machine, stone hammer, shovel, tamping machine:

---Part 5: Rotary impact drilling tools: Covers small blasthole drills, rock drills, and rotary hammers:

---Part 6: Power tools for assembly of threaded fasteners: Covers hydraulic pulse gas triggers, impact wrenches, fastener installation tools, Nut wrenches, open-end wrenches, ratchets, screwdrivers:

---Part 7: Grinder: Covers grinding grinders, cutting grinders, polishers and grinders using bowl and leaf wheels:

---Part 8: Grinding and polishing machines: Covers belt polishers, skateboard polishers, polishing machines, compound polishers, and rotary polishers:

Optical machine, linear polishing machine:

---Part 9: Grinding machines for molds: Covers grinders for angle molds, reciprocating files, rotary files, and sand for linear molds Turbine:

---Part 10: Extrusion power tools: Covers crimping tools, ring parts separators, metal forming tools, nut splitters, Extruders, printers, extrusion riveters, cutting tools with parallel blades, jaw extrusion pliers:

---Part 11: Punching and shearing machines and scissors: Covers punching and shearing machines and scissors:

---Part 12: Disc, pendulum and reciprocating saws: Covers disc saws, circular cutters, saw blades with a radius of less than 50mm, or Oscillating saws with diamond cutting blades with a radius of less than 100 mm, oscillating cutters, and reciprocating saws including fine saws and hack saws:

---Part 13: Fastener driving tools:

Safety requirements for handheld non-electric power tools Part 6: Power tools for assembly of threaded fasteners

1 Scope

This document specifies hand-held non-electric power tools used for tightening or installing threaded fasteners (hereinafter referred to as "assembly tools for threaded fasteners"):

Safety requirements for "Power Tools": Power tools for assembling threaded fasteners can be driven by compressed air, hydraulic oil or internal combustion engines: When using or for use by one operator with the support of one or both hands without the use of suspension devices (such as balancing devices):

This document applies to the following products:

- Hydraulic pulse gas trigger;
- Impact wrench;
- Fastener installation tools;
- Nut wrench;
- Open-end wrench (open-claw socket or pipe nut wrench);
- Ratchet wrench;
- screwdriver:

Note 1: See Appendix B for examples of power tools used to assemble threaded fasteners:

This document does not apply to special requirements and modifications of threaded fasteners for the purpose of mounting them on clamping devices with assembly power tools:

This document covers power tools used to assemble threaded fasteners other than those used in potentially explosive atmospheres:

All noteworthy hazards, dangerous situations or hazardous events when using the tool under foreseeable misuse conditions:

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

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments)