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

GB/T 26548.5-2025

Replacing GB/T 26548.5-2017

**Hand-held portable power tools - Test methods for evaluation of
vibration emission - Part 5: Drills and impact drills
(English Translation)**

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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 for standardization documents" Drafting.

This document is Part 5 of GB/T 26548 "Hand-held portable power tools vibration test method". GB/T 26548 has been published.

The following parts are published.

--- Part 1: Angle and face grinding machines;

--- Part 2: Air triggers, nutrunners and screwdrivers;

- Part 3: Polishing machines, rotary, sliding and compound grinders;
- Part 4: Straight shank grinding machines;
- Part 5: Drills and impact drills;
- Part 6: Compactors;
- Part 7: Punching machines and shears;
- Part 8: Reciprocating saws, polishers and files and pendulum or rotary saws;
- Part 9: Descaling hammers and needle descaling devices;
- Part 10: Percussive rock drills, hammers and breakers;
- Part 11: Stone hammer;
- Part 12: Mould grinding machines;
- Part 13: Fastener driving tools.

This document replaces GB/T 26548.5-2017 "Hand-held portable power tools - Vibration test methods - Part 5: Drilling and impact test methods" Compared with GB/T 26548.5-2017, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The test parameters for straight shank drills have been changed (see Table 1, Table 1 of the 2017 edition);
- b) The thrust parameters for angle drills have been changed (see Table 1, Table 1 of the 2017 edition).

This document is equivalent to ISO 28927-5:2009 "Hand-held portable power tools - Vibration test methods - Part 5: Drills and impact drills".

The following minimal editorial changes have been made to this document.

- Incorporated the amendments to ISO 28927-5:2009/Amd.1.2015. The outer margins of the clauses involved are marked with vertical Straight double lines (||) are used to mark the area.

Introduction

To standardize the vibration measurement method for handheld portable power tools, the International Organization for Standardization has published ISO 28927, a document with 13 parts.

my country intends to adopt the 13 parts of ISO 28927 as equivalents and formulate the corresponding parts of GB/T 26548.

GB/T 26548 is proposed to be structured as follows.

- Part 1: Angle and face grinders. Covers angle electric grinders, angle pneumatic grinders, and face pneumatic grinders.
- Part 2: Air triggers, nut runners and screwdrivers. Covers pistol-grip impact air triggers, ring-grip impact air triggers, ratchet air wrenches screwdrivers, angle nut drivers, straight screwdrivers, and pistol-grip screwdrivers.
- Part 3: Polishing machines, rotary, sliding and compound grinders. Covering angle grinders/polisher, end grinders/polisher Polishing machine, compound grinder, slide plate grinder.
- Part 4: Straight shank grinding machines. Covers straight shank grinding machines using flat grinding wheels, straight shank grinding wheels using cored grinding heads Machine, use an extended straight shank grinding wheel machine with a core grinding head.
- Part 5: Drills and impact drills. Covers pistol-grip drills, angle drills and impact drills.
- Part 6: Compactors. Covers compactors for ground compaction and compactors for workbenches.
- Part 7: Punching shears and scissors. Covers punching shears, pistol-grip scissors, circular cutting scissors, and straight-handled scissors.
- Part 8: Reciprocating saws, polishers and files and pendulum or rotary saws. Covers straight handle pendulum saws, small circular saws, circular saws Handle reciprocating saw, gun handle reciprocating saw, straight handle reciprocating saw, fine saw, straight handle reciprocating polishing/filing machine, straight handle horizontal polishing machine Polishing/filing machines, angular reciprocating polishing/filing machines, pendulum knives.
- Part 9: Descaling hammers and needle descaling devices. Covers engraving pens, needle descaling devices and descaling hammers.
- Part 10: Percussive rock drills, hammers and breakers. Covers rock breakers/rock drills, rotary hammers, air shovels, small blasthole drills, picks, chisels Hammer, riveter.
- Part 11: Stone hammers. Covering straight-handled hammers, ring-handled hammers, spear-handled hammers, and chisels with sleeves.
- Part 12: Mould grinding machines. Covers straight shank grinding machine, angle grinding machine and pencil-shaped grinding machine.
- Part 13: Fastener driving tools. Covers pneumatic fastener driving tools, battery-powered fastener driving tools, electric fasteners Fastener driving tools, gunpowder powered (nail bullet) fastener driving tools, gas powered fastener driving tools.

This document is a Type C standard as defined in ISO 12100.