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

GB 13960.5-2008

Replacing GB 13960.5-1996

**Safety of transportable motor-operated electric tools - Part 2:
Particular requirements for bench grinders**

可移式电动工具的安全 第二部分：台式砂轮机的专用要求

(English Translation)

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Appendix

Foreword

All technical content in this section is mandatory.

This section GB 13960 "Safety of transportable power tool" in the second part of the series standard requirements for bench grinders. this Series of standards consists of the following.

GB 13960.1 "Safety of transportable electric tools - Part 1. General requirements" GB 13960.2 "safe second portion movable electric tools. requirements for circular saws" GB 13960.3 "Safety of transportable electric tools Part II. Particular requirements for radial arm saws" GB 13960.4 "safe second portion movable electric tools. planer and thickness planer special requirements" GB 13960.5 "safe second portion movable electric tools. Particular requirements for bench grinders" GB 13960.6 "safe second portion movable electric tools. requirements for band saws" GB 13960.7 "safe second portion movable electric tools. Particular requirements for diamond drills with water supply." GB 13960.8 "Safety of transportable electric tools Part II. Particular requirements for diamond saws with water supply." GB 13960.9 "Safety of transportable electric tools Part 2. Particular requirements for cutting machine" GB 13960.10 "Safety of transportable electric tools Part II. single spindle vertical milling special requirements" GB 13960.11 "Portable electric tools Part Security. profile cutting machine of special requirements" GB 13960.12 "Safety of transportable electric tools Part II. Particular requirements for high pressure cleaners" GB 13960.13 "safe second portion movable electric tools. oblique cutting table saws requirements" this Part replaces GB 13960.5-1996, and used with GB 13960.1-2008.

This section GB 13960.5-1996 major technical modifications include.

Reg structure --- the first part of this section due to the revision caused changes;

--- Introduction of IEC 61029-2-5 Amendment No. 1 (2001) The upcoming "modular bench grinders" into the scope of this section;

--- Chapter 8 signs and brochures, original content to 7.13 8.12.2b), introduces detailed safety warnings;

--- Revised Chapter 19 mechanical hazards flange, the spindle and the shroud requirements;

--- Revised Chapter 20 of the mechanical strength of the shield test requirements;

--- Modification 21.18, Test Method for increasing the switching should not be limited by adjusting the workpiece holders.

This section states that "applicable", showing the corresponding provisions applicable in 13960.1-2008 GB ; this section states that "change", then shall be subject to the provisions

of this section; this section states that "modify", expressed in GB 13960.1-2008 corresponding provisions of the relevant content should be the modification is subject to this section, and the provision of other content still apply; this states "addition", expressed in addition to compliance with GB transportable motor operated outside the corresponding provisions of 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

In addition to the following provisions, GB 13960.1-2008 this chapter apply.

modify.

Change the first paragraph.

This section applies to wheel diameter and brush wheel diameter of not more than 200mm, the operation line speed is not greater than 50m/s of movable type grinder (As defined in 3.101 and 3.112) of transportable bench grinders (FIG. 101) and combined bench grinders (Figure 107).

2 Normative references

In addition to the following provisions, GB 13960.1-2008 this chapter apply.

3 Terms and Definitions

In addition to the following provisions, GB 13960.1-2008 this chapter apply.

3.1

Change as follows.

It means for covering part of the wheel, its role is to prevent the user from inadvertently touched during normal use of the wheel, and the grinding wheel in case of rupture, Within the protected area to prevent flying debris out of the wheel.

3.2

Change as follows.

The installation of the desktop grinder, grinding wheel instead of other devices driven by the spindle.

3.30

Change to.

Means the continuous operation of bench grinders reached load, the load acting on the spindle torque rated input power (in watts single Torque-bit) is used.

3.101

Placed in the appropriate workshops and hand holding the workpiece from a fixed to the machine spindle or two rotating grinding wheel, grinding metal Tools or similar materials.

3.102

Supporting and driving wheel or wheel and/or rotating brush wheel bench grinders or a combination of the motor shaft for bench grinders.

3.103

Can bench grinders bench grinders or a combination of the device coupled to the dust collection system.

3.104

The wheel clamp device to the machine spindle. Flanges can be.

--- Intermediate recessed flat-shaped flange;

----Engaging flange;

--- Shaped hub flange.

3.105

Comprising a fixed on the machine spindle and inner flange with a fastening (or movable) outer flange assembly.

3.106

It is the center of the fastening flange assembly. It contains a fixed on the machine shaft, and centrally located within the wheel flange, and a Does not depend on the machine spindle, the grinding wheel is fastened to the inner flange fastened on the use (or movable) flange.

3.107

On a soft wheel and the flange between the compressible material, which aims to make the role as uniformly as possible in the grinding wheel pressure, with Decreases when sandwiched between the flange of the wheel slide danger.

3.108

Usually made of metal chuck, for supporting and driving the flat-shaped cup wheels,