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

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**Safety of woodworking machines -- Single end tenoning
machines with sliding table**

(English Translation)

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Foreword

This standard Chapter 3, 5.3.2.1 and Annex A, Annex B is recommended, the rest is mandatory.

This European Standard is a modified standard EN1218-1.1999 "Woodworking machine belt single head moving table tenoning machine" (in English).

This standard EN1218-1. compared to 1999, read as follows.

- name change;
- some text of editorial changes;
- increased machine idling noise level limits;
- deleted standard EN Appendices B and ZA, the standard EN Appendix C to this standard Annex B;
- Added Appendix C.
- other EN standard EN ISO standards or reference, there is employed as replaced by the corresponding standard of ISO standards of
- EN standards or standards; our country has not been adopted as a standard or directly using standard EN ISO standards.

Appendix C to this standard normative, Annex A, Annex B is an informative annex.

The standard proposed by China Machinery Industry Federation.

This standard by the National Woodworking Machine and Tool Standardization Technical Committee (SAC/TC84).

This standard drafting unit. Woodworking Machine Tool Research Institute, Fuzhou, Shandong Group Co., Ltd. workers.

Drafters of this standard. Xiao Xiaohui, Song Zhimin.

Safety of woodworking machines

With a single head moving table tenoning machine

1 Scope

This standard specifies the removal and limit the risks of danger on the movable table with a single head tenoning machine (hereinafter referred to as machine) requirements and/or Measures.

This standard applies to the cutting of solid wood, chipboard, fiberboard, plywood, and veneer or a plastic material welt machine.

This standard covers all hazards, see Chapter 4 relating to the machine.

This standard does not apply in the following machine.

- a) a circular saw tenoning only;
- b) the knife shaft according to any of the design speed exceeds 6000r/min;
- c) moving average straight line of the table feed speed exceeds $25 \pm 5\%$ m/min;
- d) for mortising Association Engine (see EN940.1997);
- e) a vertical shaft with tenoning cutter apparatus (see GB 20007-2005).

Note: the chain fed single or double tenor see EN1218-2, only the circular saw tenoning machine, see EN1218-3.

2 Normative references

Terms of the following documents become provisions of this standard by reference in this standard. For dated reference documents, all later

Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to agreements based on this standard

Whether the latest versions of these documents. For undated references, the latest version applies to this standard.

Engineering method of noise sources sound power level a reflecting plane free field GB/T 3767-1996 sound pressure

(EqvISO 3744.1994)

Determination GB/T 3768-1996 sound pressure of noise power levels of the sound source using a simple reflecting plane measurement surface envelopment

(EqvISO 3746.1995)

GB 4208-2008 shell protection (IP code) (IEC 60529.2001, IDT)

GB/T 5013.1-2008 rated voltage of 450/750V and Rubber insulated cables Part 1. General

requirements (IEC 60245-

1.2003, IDT)

GB/T 5023.1-2008 rated voltage of 450/750V and below PVC insulated cables - Part 1. General requirements

(IEC 60227-1.2007, IDT)

GB 5226.1-2008 mechanical and electrical safety mechanical and electrical equipment - Part 1. General requirements (IEC 60204-1.2005,

IDT)

GB /Determination of sound power levels of noise sources reverberant field sound source is small, movable Method T 6881.2-2002 project sound pressure

Part 1. Comparison of the hard wall of the test chamber method (ISO 3743-1.1994, IDT)

GB /Determination of sound power levels of noise sources reverberant field sound source is small, movable Method T 6881.3-2003 project sound pressure

Part 2. special reverberation test rooms (ISO 3743-2.1994, IDT)

GB/T 8196-2003 mechanical safety of fixed and movable guards General requirements for design and manufacture

(ISO 14120.2002, MOD)

GB 12265.1-1997 Safety of machinery - Safety distances to prevent danger zones of the upper limbs (eqvEN294.1992)

GB 12265.3-1997 mechanical safety minimum distance to avoid crushing of parts of the human body (eqvEN349.1993)

GB 12557-2010 Safety of woodworking machines General

GB 14048.4-2003 voltage switchgear and control equipment, electromechanical contactors and motor starters (IEC 60947-4-1.

2000, IDT)

GB 14048.5-2008 voltage switchgear and control equipment 5-1. Control circuit devices and switching elements Electromechanical

Control circuit devices (IEC 60947-5-1.2003, MOD)

GB /14574-2000 verification and labeling machines and acoustic noise emission values apparatus T (eqvISO 4871.1996)

Safety Basic Concepts GB/T 15706.1-2007 General Mechanical Design - Part 1. Basic terminology and methods (ISO 12100-

1.2003, IDT)

GB/T 15706.2-2007 basic concepts of mechanical safety and General Design - Part 2. Technical Principles (ISO 12100-2.

2003, IDT)

GB 16754-2008 mechanical design principles of safety emergency stop (ISO 13850.2006, IDT)

GB/T 17248.3-1999 for machinery and equipment noise emitted operative position and the other specified emission sound pressure levels

Measuring method in situ (eqvISO 11202.1995)

GB/T 17248.5-1999 for machinery and equipment noise emitted operative position and the other specified emission sound pressure levels

Measurement environment Amendment Act (eqvISO 11204.1995)

GB/T 18831-2002 mechanical interlock designed belt guard and selection policy (ISO 14119.1998,

MOD)

GB 18955-2003 woodworking tools safety cutter, a circular saw blade (EN847-1.1997, MOD)

GB 20007-2005 Safety of woodworking machines single-axis milling machine

JB/T 3105-1992 Woodworking single head straight tenon tenoning machine accuracy

Method 2003 Precision Acoustics Determination of sound pressure of sound power levels of noise sources anechoic and semi-anechoic rooms. ISO 3745

ISO /T R11688-1.1995 recommended design method of low - noise machinery and equipment - Part 1. Program

EN940.1997 Safety of woodworking machines combined machine

EN982.1996 Safety of machinery Safety and fluid system components required hydraulic device

EN983.1996 Safety of machinery Safety requirements for components for fluid systems and pneumatic means

EN1218-2.2004 Safety of woodworking machines tenoning machine Part 2. feed chain double-end tenoning machine

EN1218-3.2002 Safety of woodworking machines - Tenoning machines - Part 3. Construction timber with manual feed with traveling table tenoners