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

GB 30461-2013

Safety of woodworking machines-Band sawing machines

木工机床安全 带锯机

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Foreword

The standard Chapter 3, Appendix A ~ Appendix E are recommended, the rest are mandatory. This standard was drafted in accordance with GB/T 1.1-2009 given rules. The standard proposed by China Machinery Industry Federation. This standard by the National Woodworking Machine and Tool Standardization Technical Committee (SAC/TC84) centralized. This standard drafting unit. Woodworking Machine Tool Research Institute, Fuzhou, machinery and woodworking machinery industry product quality supervision and inspection center, Tang Yang Dongtai band Saw Machinery Co., Ltd., Nantong Machine Tool Co., Ltd. Yi-mao, ship Dongtai Woodworking Machinery Co., Ltd., Hangzhou Lin'an Nanyang woodworking Machinery Co., Ltd. The main drafters of this standard. Zheng Li,

Xiao Xiaohui, Wang-wide, Cui Shilong, Qian Xiao Lu, Zheng was. Woodworking machines
Saw belt

1 Scope

GB 30461-2013 is the Chinese national standard on safety of woodworking machines-band sawing machines, in the field of wood technology. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 31 December 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 January 2015. Classification: ICS 79.120.10, CCS J65. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the manual or automatic loading and unloading of Bandsaw (hereinafter referred to as the machine) on removal of dangerous and risk-limiting requirements and / Or measures. This standard applies to cutting wood, particleboard, fiberboard, plywood and veneer or plastic material welt machine. This standard covers all hazards, see Chapter 4 of the machine-related. This standard does not apply to hand-held and desktop machine tools (according to the provisions of GB 13960.1 and GB 13960.6 in). This standard does not include dangerous brought by other processing (for example, a circular saw milling and cutting).

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. Determination of sound power levels of noise sources reflecting plane free field engineering method

GB/T 3767-1996 Acoustics sound pressure

GB/T 3768-1996 Determination of sound pressure of sound power levels of noise sources using an enveloping surface reflectance measuring surface Simple Method

GB 4208-2008 shell protection (IP code)

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

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

GB 5226.1-2008 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General requirements GB /Determination of sound power levels of noise sources in reverberant fields - small, movable sources Engineering Act T 6881.2-2002 sound pressure Part 1. Comparison method hard walled test rooms GB /Determination of sound power levels of noise sources in reverberant fields - small, movable sources Engineering Act T 6881.3-2002 sound pressure Part 2. special reverberation test rooms Determination of sound power levels of noise sources anechoic and semi-anechoic chamber Precision method

GB/T 6882-2008 Acoustics sound pressure

GB 7247.1-2012 Safety of laser products - Part 1. Equipment Classification, Requirements and User's Guide

GB/T 9239.1-2006 mechanical vibration steady state (rigid) rotor balance quality requirements - Part 1. specification of tolerance and balance test

GB 12557-2010 Safety of woodworking machines General

GB 13960.1-2008 Safety of transportable electric tools - Part 1. General requirements

GB 13960.6-1996 Safety of transportable band saw electric tools - Particular requirements

GB 14048.4-2010 Low-voltage switchgear and control equipment - Part 4-1. Contactors and motor starters electromechanical contact Contactors and motor starters (with motor protection)

3 Terms and Definitions

GB 5226.1 and GB 12557 and defined by the following terms and definitions apply to this document.

3.1 Definitions

3.1.1 Band Saw bandsawingmachine With one or more continuous band saw blades, band saw machine is installed and running on the wheel between two or more.

3.1.2 Saw blade tensioning sawbladestraining When cutting, the blade is biased so as to maintain a certain position on the band saw wheel (see Figure 15).

3.1.3 Tensioning tensioning process By Kun pressure or hammering, sawing the formation of a cross-section, so that the front blade, rear wheel and band saw snugly.

3.1.4 Blade adjustment sawbladetracking The method for positioning the band saw blade wheel (see Figure 16).

3.1.5 Hook dogging It means holding logs for cutting.

3.1.6 With a table saw machine tablebandsaw Manually with a fixed table or tilting table or

inclined stand feed band saw machine (see Figure 1, Figure 7, Figure 8).

3.1.7 Log band saw machine logbandsaw Logs for roughing machine.

3.1.7.1 Wood band sawing machines with traveling table travelingtablelogsaw Mounted mobile table and hook, manual or motorized feed wood band saw machine (see Figure 3).

3.1.7.2 Bandsaw reciprocatingcarriagelogsaw car Installed car and hook, motorized feed wood band saw machine (see Figure 4).

3.1.7.3 Log band saw machine conveyor belt feed conveyor-fedlogsaw In the conveyor belt as a mechanical feed device Bandsaw (see Figure 5).

3.1.7.4 Log band saw machine with moving the machining head (gantry saw machine) movingheadriglogsaw (gantrylogsaw) Log band saw machine with a mobile sawing device (see Figure 6).

3.1.8 Secondary Band Saw bandre-saw Mechanical feed, secondary processing of wood band saw machine (see Fig. 2, 9, 10, 27 and 29).

3.1.9 Manual control manualcontrol Each processing operation initiated by the operator.

3.1.10 Mechanical actuator mechanism machineactuator [GB 5226.1-2008, the definition 3.34].

4 Car Bandsaw

--- conveyor belt; 2

--- band saw blades; 3

--- pin type transmission roller; 4

--- saw wheel guard.

4.1 Radiation risks. Laser 5.4.12 5.1

5.2 When the machining, materials and substances used or discharged dangers arising, for example. Due to the risk of contact or inhalation of harmful fluids, gases, fumes and dust caused Fire or explosion hazard 5.4.3 5.4.1 6.1 6.2 6.3 6.4 6.5

6.6 Mechanical design ignored the danger to humanity learn the principles of ergonomics to produce.

--- Unhealthy posture or excessive force

--- Inappropriate to consider a human arm or leg foot structure

--- Face inappropriate lighting

--- Human error, human behavior