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

中华人民共和国国家标准

GB 16454-2008

Replace GB 16454-1996

**Sawing machines for metal cutting—
Safeguarding specifications**

金属锯床 安全防护技术条件

Issued on December 23, 2008

Implemented on October 01, 2009

**Issued by General Administration of Quality Supervision, Inspection
and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of
China**

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Foreword

Chapter 3, 4, 5.7 and 5.9 of this Standard are recommendatory, and other chapters are mandatory.

The Standard is a replacement for GB 16454-1996 Sawing machines-Safeguarding requirements. GB 16454-1996 shall be void from the date of implementation of this Standard.

The major disparities of the Standard with that of GB 16454-1996 are as below:

- The name of the Standard, Sawing machines-Safeguarding requirements, is changed into Sawing machines for metal cutting-Safeguarding specifications.
- Cancel the sawing machines for grinding wheel from Scope of Chapter1.
- Add safety of sawing machines, sawing machines danger and other 8 terms in Chapter 3. CANCEL machining area guard, machining area fence and other 8 terms.
- Add Chapter 4 Sawing machines danger.
- 5.1~5.5 of Chapter 5 are newly added content.
- Chapter 6 Requirements for operation and maintenance of 1996 edition is changed into Chapter 7 Responsibilities of this Standard.

The products from manufacturing enterprises shall be in accordance with this Standard since October 1, 2009. Stop selling the products that fail to meet this Standard since October 1, 2010.

This Standard is proposed by China Machinery Industry Federation.

This Standard is under the jurisdiction of National Technical Committee on Metal Cutting Machines of Standardization of China SAC/TC 22.

This Standard is drafted by: Changsha Sawing Machine Research Institute, Hunan Taijia New Material Technology Co., Ltd (Hunan Machine Tool Works).

Main drafters of this Standard: Song Anxiang, Xie Wenzhong, Ye jun.

The information concerning the issuance of previous editions of the Standard replaced by this Standard is as follows:

——GB 16454-1996.

Sawing machines for metal cutting— Safeguarding specifications

1 Scope

This Standard aims at the major dangers of metal sawing machines and specifies the safety requirements and/or measures to eliminate the dangers and reduce the risks.

This Standard is applicable to horizontal band, vertical band, circular and horizontal hack sawing machines for general purposes.

2 Normative references

The articles contained in the following documents have become this Standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 5226.1 Safety of Machinery – Electrical equipment of machines Part 1: General technical specifications (GB 5226.1-2002, IEC 60204-1:2000, IDT)

GB/T 15706.1-2007 Safety of Machinery – Basic concepts and general principles for design Part 1: Basic terms and methods (ISO 12100-1:2003, IDT)

GB/T 15706.2 Safety of Machinery – Basic concepts and general principles for design Part2: Technical principles (GB/T 15706.2-2007, ISO 12100-2:2003, IDT)

GB 15760 Metal Sawing Machines – General safeguarding specifications

GB/T 16769 Metal Sawing Machines – Methods for measuring noise SPL

GB/T 16856.1 Safety of Machinery – Risk evaluation Part 1: Principles (GB/T 16856.1-2008, ISO 14121-1:2007, IDT)

3 Terms and definitions

The following terms and definitions and those established in GB/T 15706.1 and GB 15760



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