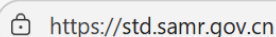


## User Guide for National Public Service Platform for Standards Information

### I Chinese National Standard Query

1. Open the link <https://std.samr.gov.cn/> (Chinese only).



2. Click “高级检索/ Advanced Query” marked in the red circle.



3. The advanced query page is available in both Chinese and English, allowing to search based on known information. The system supports fuzzy search. (For example, ISO 12100)



4. The results page shows all Chinese national standards that meet the search filter.

国家标准高级检索 [展开条件](#)

National Standard Advanced Query

#	标准号	标准中文名称	发布日期	实施日期	标准状态
1	<a href="#">GB/T 15706-2012</a>	机械安全 设计通则 风险评估与风险减小	2012-11-05	2013-03-01	现行
2	<a href="#">GB/T 15706.1-2007</a>	机械安全 基本概念与设计通则 第1部分：基本术语和方法	2007-03-02	2007-09-01	废止
3	<a href="#">GB/T 15706.2-2007</a>	机械安全 基本概念与设计通则 第2部分：技术原则	2007-03-02	2007-09-01	废止
4	<a href="#">GB/T 15706.2-1995</a>	机械安全 基本概念与设计通则 第2部分：技术原则与规范	1995-09-25	1996-06-01	废止
5	<a href="#">GB/T 15706.1-1995</a>	机械安全 基本概念与设计通则 第1部分：基本术语、方法学	1995-09-22	1996-06-01	废止

显示第 1 到第 5 条记录，总共 5 条记录

\* The active standard marked by **现行**.

\* The abolished standard marked by **废止**.

5. By clicking on the standard number in blue (in second column), you can access more information about this standard.

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### 机械安全 设计通则 风险评估与风险减小

Safety of machinery — General principles for design - Risk assessment and risk reduction

[国家标准](#) [推荐性](#) [现行](#)

国家标准《机械安全 设计通则 风险评估与风险减小》由TC208（全国机械安全标准化技术委员会）归口，TC208SC1（全国机械安全标准化技术委员会机械安全设计分会）执行，主管部门为国家标准委。

主要起草单位 中机生产力促进中心、深圳市华测检测技术股份有限公司、徐州重型机械有限公司、南京林业大学光电仪器工程研究所等。

主要起草人 李勤、居荣华、朱平、史先信、李立言、王学智等。

目录

- 1 标准状态
- 2 基础信息
- 3 采标情况
- 4 起草单位

5 起草人

6 相近标准(计划)

#### 标准状态

发布于 2012-11-05      实施于 2013-03-01      废止

上次复审于 2021-12-29

**代替了以下标准**

- GB/T 15706.1-2007（全部代替）  
机械安全 基本概念与设计通则 第1部分：基本术语和方法
- GB/T 15706.2-2007（全部代替）  
机械安全 基本概念与设计通则 第2部分：技术原则
- GB/T 16856.1-2008（全部代替）  
机械安全 风险评估 第1部分：原则

**当前标准**

GB/T 15706-2012 [现行](#)

机械安全 设计通则 风险评估与风险减小

#### 基础信息

标准号	GB/T 15706-2012	标准类别	安全
发布日期	2012-11-05	中国标准分类号	J09
实施日期	2013-03-01	归口单位	全国机械安全标准化技术委员会
上次复审日期	2021-12-29	执行单位	全国机械安全标准化技术委员会机械安全设计分会
上次复审结论	继续有效	会	
全部代替标准	GB/T 16856.1-2008, GB/T 15706.1-2007, GB/T 15706.2-2007		
主管部门	国家标准委		

#### 采标情况

本标准等同采用ISO国际标准：ISO 12100:2010。

采标中文名称：机械安全 设计通则 风险评估与风险减小。

#### 起草单位

中机生产力促进中心

徐州重型机械有限公司

深圳市华测检测技术股份有限公司

南京林业大学光电仪器工程研究所等

#### 起草人

李勤

李立言

居荣华

王学智

朱平

史先信

#### 相近标准(计划)

- GB/T 36954-2018 机械安全 人类工效学原则在风险评估与风险减小中的应用
- GB/T 26118.1-2010 机械安全 机械辐射产生的风险的评价与减小 第1部分：通则
- 20231953-T-469 船舶与海洋技术 压载水管理系统 第2部分：电液法压载水管理系统的风险评估与风险减小
- GB/T 26118.3-2010 机械安全 机械辐射产生的风险的评价与减小 第3部分：通过衰减或屏蔽减小辐射
- 20253134-Z-469 机械安全 风险评估考虑网络安全指南
- 20250684-T-469 船舶与海上技术 船舶网络安全风险评估方法
- 20253133-Z-469 机械安全 风险评估考虑人工智能与机器学习的指南
- GB/T 26118.2-2010 机械安全 机械辐射产生的风险的评价与减小 第2部分：辐射排放的测量程序
- SN/T 3522-2013 化学品风险评估通则
- GB/T 40981-2021 消费品安全 物理危害风险评估通则

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## General principles of mechanical safety design - risk assessment and risk reduction

Safety of machinery — General principles for design - Risk assessment and risk reduction

**National Standards** **Recommended** **In force**

The national standard "General Principles of Machinery Safety Design - Risk Assessment and Risk Reduction" is under the jurisdiction of TC208 (National Technical Committee for Machinery Safety Standardization) and implemented by TC208SC1 (Machinery Safety Design Branch of the National Technical Committee for Machinery Safety Standardization), and the competent authority is the [National Standards Committee](#).

The main drafting units include China Machinery Productivity Promotion Center, Shenzhen Centre Testing Technology Co., Ltd., Xuzhou Heavy Machinery Co., Ltd., and Nanjing Forestry University Institute of Opto-Mechanical and Electrical Engineering.

The main drafters include Li Qin, Ju Ronghua, Zhu Ping, Shi Xianxin, Li Liyan, Wang Xuezhi and others.

Table	1 Standard status	5 Drafting Person
	2 Basic Information	6 Similar standards
	3 Standard Adoption	(planned)
	4 Drafting Unit	

### Standard status

Published on November 5, 2012      Implemented on 2013-03-01      Repealed

Last reviewed on 2021-12-29

**Replaces the following standards**

GB/T 15706.1-2007 (replaces all)  
Basic concepts and design principles for machinery safety  
Part 1: Basic terms and methods

GB/T 15706.2-2007 (replaces all)  
Basic concepts and design principles for machinery safety  
Part 2: Technical principles

GB/T 16856.1-2008 (replaces all)  
Machinery safety risk assessment Part 1: Principles

**Current Standards**

GB/T 15706-2012 **Current**  
General principles of mechanical safety design - risk assessment and risk reduction

### Basic Information

Standard num...	GB/T 15706-2012	Standard Cate...	Safety
release date	2012-11-05	China Standar...	J09
Implementation...	2013-03-01	Responsible u...	National Machinery Safety Standardization
Last Review D...	2021-12-29	Technical Committee	
Last review co...	Continue to be valid	Execution Unit	Machinery Safety Design Branch of the National
All replaceme...	GB/T 16856.1-2008, GB/T 15706.1-2007, GB/T 15706.2-2007	Machinery Safety Standardization Technical Committee	
		competent aut...	National Standards Committee

### Standard Adoption

This standard is equivalent to the ISO international standard: ISO 12100:2010.

Chinese name of the adopted standard: General principles for safety design of machinery - Risk assessment and risk reduction.

### Drafting Unit

China Machinery Productivity Promotion Center	Shenzhen Centre Testing Technology Co., Ltd.
Xuzhou Heavy Machinery Co., Ltd.	Institute of Opto-Mechanical and Electrical Engineering, Nanjing Forestry University, etc.

### Drafting Person

Li Qin	Ju Ronghua	Zhu Ping	Shi Xianxin
Li Liyan	Wang Xuezhi		

### Similar standards (planned)

GB/T 36064-2018 Application of Ergonomic Principles of Machinery Safety in Risk Assessment and Risk Reduction

GB/T 26118.1-2010 Safety of machinery - Evaluation and reduction of risks arising from radiation from machinery - Part 1: General

20231953-T-469 Ships and marine technology Ballast water management systems Part 2: Risk assessment and risk reduction of electrolysis ballast water management systems

GB/T 26118.3-2010 Safety of machinery - Evaluation and reduction of risks arising from radiation from machinery - Part 3: Reduction of radiation by attenuation or shielding

20253134-Z-469 Guidelines for Machinery Safety Risk Assessment Considering Cybersecurity

20250684-T-469 Ship and Maritime Technology Shipborne Cybersecurity Risk Assessment Method

20253133-Z-469 Guidelines for Machinery Safety Risk Assessment Considering Artificial Intelligence and Machine Learning


GB/T 26118.2-2010 Safety of machinery - Evaluation and reduction of risks arising from radiation from machinery - Part 2: Measurement procedure for radiated emissions

SN/T 3522-2013 General Rules for Risk Assessment of Chemicals

GB/T 40981-2021 General principles for risk assessment of physical hazards in consumer products

## II. Preview and Download of Chinese National Standard Full Text

1. Open the link <https://openstd.samr.gov.cn/bzgk/gb/index> (Chinese only).

 <https://openstd.samr.gov.cn/bzgk/gb/index>

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GB/T

Recommended national standards

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Guiding technical documents

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2. Enter the Chinese national standard number (For example, GB/T 15706), and click "检索 / Search" marked in the red circle.



3. By clicking on the standard number in blue (in second column) or "查看详情 / View details" marked in the red circles, you can access more information about this standard, including title in English, responsible departments, international standards adoption status, and to preview or download the full texts of the standard.

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序号	标准号	是否采标	标准名称	类别	状态	发布日期	实施日期	操作
1	<a href="#">GB/T 35080-2018</a>	采	机械安全 B类标准和C类标准与GB/T 15706的关系	推标	现行	2018-05-14	2018-12-01	<a href="#">查看详情</a>
2	<a href="#">GB/T 35081-2018</a>	采	机械安全 GB/T 16855.1与GB/T 15706的关系	推标	现行	2018-05-14	2018-12-01	<a href="#">查看详情</a>
3	<a href="#">GB/T 15706-2012</a>	采	机械安全 设计通则 风险评估与风险减小	推标	现行	2012-11-05	2013-03-01	<a href="#">查看详情</a>

\* The standard adopted international standard marked by **采**.

4. For standards that are adopted from international standards, full text is usually not available due to copyright protection.

**标准号: GB/T 15706-2012** **采**

中文标准名称: 机械安全 设计通则 风险评估与风险减小

英文标准名称: Safety of machinery — General principles for design - Risk assessment and risk reduction

标准状态: 现行

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5. For standards that are not adopted from international standards, click the “Online Preview” or “Download Standard” button to read the full text.

**标准号: GB/T 33940-2017**

中文标准名称: 机械安全 安全设计与精益制造指南  
英文标准名称: Safety of machinery—Guide for safety design and lean manufacturing

标准状态: 现行

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发布日期	2017-07-12	实施日期	2018-02-01

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