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

GB/T 17780.4-2012

Replacing GB/T 17780-1999

**Textile machinery -- Safety requirements -- Part 4: Yarn
processing, cordage and rope manufacturing machinery**

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Table of Contents

1 Scope	1
2 Normative references	1

Foreword

GB/T 17780 "Safety requirements for textile machinery" is divided into seven parts.

- Part 1. General requirements;
- Part 2. Spinning preparatory and spinning machinery;
- Part 3. Nonwoven machinery;
- Part 4. Yarn processing machinery and ropes;
- Part 5. weaving and knitting preparatory machinery;
- Part 6. Weaving machinery;
- Part 7. Dyeing and finishing machinery.

This section GB/T Part of 417,780.

This section drafted in accordance with GB/T 1.1-2009, rules GB/T 20000.2-2009 given.

This section GB/T 17780 instead of GB/T 17780-1999 "Textile machinery - Safety requirements" in part (Chapter 9), not

Instead content is "General requirements" section and the following five types of equipment related to the safety requirements. Spinning preparatory and spinning machinery, non-woven cloth

Machinery, weaving and knitting preparatory machinery, weaving, dyeing and finishing machinery. These elements will be separately incorporated GB/T 17780 of 1 to 3 and 5 to 7 section.

The partial modification of the use of ISO 11111-4.2005 "Textile machinery - Safety requirements - Part 4. Yarn processing machinery and rope."

This section according to ISO 11111-4.2005 redrafted. This part of ISO 11111-4.2005 is a technical difference between the reference

Relevant international and foreign standards to the corresponding national standards.

Normative references on the part of the technical differences have been adjusted to suit the

application of specific adjustments are as follows.

- Equivalent to international standards with the GB/T 7111.1 instead of ISO 9902-1 (see Chapters 6 and 7);
- Equivalent to international standards with the GB/T 7111.4 instead of ISO 9902-4 (see Chapters 6 and 7);
- With a modified adoption of international standards of GB/T 17780.1-2012 instead of ISO 11111-1.2005 (see paragraph 1 to 7);
- With a modified adoption of international standards of GB/T 17780.2-2012 instead of ISO 11111-2.2005 [see 5.2a)];
- With a modified adoption of international standards of GB/T 16855.1-2008 instead of ISO 13849-1.1999 (see 5.5.1);
- Use equivalent to international standards EN349.1993 instead of the GB 12265.3-1997 ISO 13854.1996 [see 5.4b)];
- With a modified adoption of international standards of GB/T 18831-2002 instead of ISO 14119.1998 (see 5.5.2.2);
- Equivalent adoption of international standards ISO 13856-2.2001 in GB/T 17454.2-2008 instead of EN1760-2.2001 [see 5.3b)];
- Equivalent adoption of international standards ISO 13856-3. GB 2006's/T 17454.3-2008 instead of EN1760-3.2004 [see 5.3b)];
- With equivalent international standard ISO 13857.2008 is replaced by GB 23821-2009 ISO 13852.1996 (see 5.5.3, 5.5.4,5.6).

For ease of use, this section made the following editorial changes.

- "This part of ISO 11111" to "GB/T 17780 in this section";
- Delete ISO 11111-4 foreword;
- Introduction to modify the ISO 11111-4 become part of the introduction.

This part is proposed by the China Textile Industry Association.

This part of the National Standardization Technical Committee Textile machinery and accessories (SAC/TC215) centralized.

This section drafted by. China Textile Machinery Association, Suzhou Industrial Park

Institute of Vocational and Technical College, Qingdao Hongda Textile Machinery has
Limited liability company, Hengtian Heavy Industries Co., Ltd., Jiangsu Hongyuan Textile
Machinery Co., Jingwei Textile Machinery Co., Ltd. Yuci Branch,
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Textile Machinery Co., Ltd., Jinzhong Development Zone Best Machine
Mechanical Manufacturing Co., Ltd., Shanxi Hongji Technology Co., Ltd., a Shanghai Textile
Machinery Co., Ltd., Shanghai Textile Machinery Textile Machinery Co., Ltd. 7 points
The company, Shenzhen City, measuring Detection Technology Co., Ltd.

Introduction

International Standard ISO 11111-1 ~ 11111-7 by ISO /TC72 and CEN/TC214 jointly
developed and based on "Vienna Association

Fixed "by, in order to facilitate the design and production of textile machinery apply the
same safety standards.

GB/T 17780.1 ~ 17780.7 modify using ISO 11111-1 ~ 11111-7.2005.

GB/T 17780 is a complete supply to all those who care about the safety of textile
machinery, textile machinery, such as designers, manufacturers, and system

Suppliers like to develop, but it is also the textile machinery users and security experts are
concerned.

This section is in accordance with GB/T 15706.1-2007/ISO 12100-1.2003 Class C standard
special provisions enacted.

GB/T 17780 relates to various parts of potentially important risk factor for the textile
industry used textile machinery is present. Standard Content

It covers the scope of the various risk factors involved machine exists.

When the provisions of the Class A or Class C standard content of B class is not the same
standard shall prevail C class standards.

Risk factors for those machines or components in the GB/T 17780 not mentioned in the
relevant sections of existence, the designer should be based on

GB/T 16856/ISO 14121 data about their risk assessments and proposed risk reduction
methods.

This section needs to be combined with the GB/T 17780.1. As far as possible in
accordance with the requirements of this part of the GB/T 17780.1 Chapter 5 of

Chapter 6 for processing. GB/T 17780.1 Chapter 5 contains safety requirements for textile

machinery frequent hazard should be taken

And/or measures, GB/T 17780.1 Chapter 6 describes the major risk textile machinery special parts (such as rollers) and parts and corresponding to safety

Sum/or measures, these security requirements and/or measures have been cited in this section.

Textile machinery - Safety requirements

Part 4. Yarn processing machinery and ropes

1 Scope

GB/T 17780 in the provisions of this part of the yarn processing, the main danger rope processing machines and corresponding safety requirements and/or

Measures.

This section applies to doubling, twisting, deformation, reeling, winding, into a ball, rope and webbing processing step of all machines, equipment and related

Means.

This section needs to be combined with the GB/T 17780.1.

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.

GB/T 7111.1 Textile machinery - Noise test code - Part 1. General requirements (GB/T 7111.1-2002, eqv

ISO 9902-1.2001)

GB/T 7111.4 Textile machinery - Noise test code - Part 4. Yarn processing, ropes Processing Machinery (GB/T 7111.4-2002,

eqv ISO 9902-4.2001)

GB 12265.3 Safety of machinery to avoid crushing of parts of the human body minimum spacing [GB 12265.3-1997, eqvEN349.1993

(ISO /DIS13854)]

GB/T 16855.1-2008 Safety of machinery - Safety-related control system components - Part 1. General principles for design (ISO 13849-1.