
**Textile machinery — Safety
requirements —**

Part 2:

**Spinning preparatory and spinning
machines**

AMENDMENT 1

Matériel pour l'industrie textile — Exigences de sécurité —

Partie 2: Machines de préparation de filature et machines de filature

AMENDMENT 1



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Published in Switzerland

Foreword

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Amendment 1 to ISO 11111-2:2005 was prepared by Technical Committee ISO/TC 72, *Textile machinery and accessories*, Subcommittee SC 8, *Safety requirements for textile machinery*.

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Textile machinery — Safety requirements —

Part 2: Spinning preparatory and spinning machines

AMENDMENT 1

Page v, Introduction

Replace “ISO 14121” in the fifth paragraph with “ISO 14121-1”.

Page 1, Normative references

Replace the reference to ISO 11111-1:2005 with the following:

ISO 11111-1:2009, *Textile machinery — Safety requirements — Part 1: Common requirements*

Add following reference:

ISO 11161:2007, *Safety of machinery — Integrated manufacturing systems — Basic requirements*

Replace the reference to ISO 13849-1:1999 with the following:

ISO 13849-1:2006, *Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design*

Replace the references to ISO 13852:1996 and ISO 13853:1998 with the following:

ISO 13857:2008, *Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs*

Add the following reference:

ISO 14119:1998/Amd.1:2007, *Safety of machinery — Interlocking devices associated with guards — Principles for design and selection — Amendment 1: Design to minimize defeat possibilities*

Page 2, Normative references

Replace the reference to prEN 1760-3:2002 with the following:

EN 1760-3:2004, *Safety of machinery — Pressure sensitive protective devices — Part 3: General principles for the design and testing of pressure sensitive bumpers, plates, wires and similar devices*

Add the following reference:

IEC 62061:2005, *Safety of machinery — Functional safety of safety-related electrical, electronic and programmable electronic control systems*, corrected by IEC 62061:2005 Corr.1:2005

Clauses 1 to 7

Throughout the text, replace all the dated references to “ISO 11111-1:2005” with “ISO 11111-1:2009”.

Page 4, 5.2.2

Replace the text of list item b), number 1), with the following:

- 1) Sensitive protective equipment to stop the milling roller immediately, as soon as an operator enters the zone within which the milling roller is operating. For example, a system of active opto-electronic protective devices (AOPDs), in accordance with ISO 11111-1:2009, A.2, used around the boundary of the operating zone, as in Figure 1.

Replace the second paragraph of list item b), number 2), with the following:

The safety-related part of the control system shall present a performance level of at least PL = d in accordance with ISO 13849-1:2006 or a safety integrity level SIL = 2 in accordance with IEC 62061.

The adoption of a lower level than performance level PL = d or a safety integrity level SIL = 2 shall be based on a risk assessment in accordance with ISO 13849-1:2006, Annex A or IEC 62061:2005, Annex A. See also ISO 11111-1:2009, 5.4.2.3.

Page 6, 5.2.3

In list item a), replace “ISO 13852” with “ISO 13857”. In list item b), replace “ISO 14119” with “ISO 14119, amended by ISO 14119:1998/Amd.1:2007”.

Page 7, 5.2.5

Replace list item d) with the following:

- d) Where the unit moves sideways, such movement shall be possible only with the lattice at rest, and if one of the following measures is fulfilled:
 - 1) a hold-to-run control fitted on the left side of the unit to move the unit left, and vice versa;
 - 2) full-height trip bars according to EN 1760-2, provided for all shear points between the emptier and the edges of the bin;
 - 3) a distance between the emptier and the bin greater than 500 mm.

Page 9, 5.3

In list items a) and b), replace “ISO 13852:1996” with “ISO 13857:2008”.

Page 10, 5.4

In list item a), number 3), replace “ISO 13852” with “ISO 13857”.

Page 11, 5.4

In list item d), number 3), replace “prEN 1760-3” with “EN 1760-3”.

In list item f), replace “ISO 13853” with “ISO 13857”.

Replace list item h) with the following:

- l) The safety-related part of the control system shall present a performance level of at least PL = d in accordance with ISO 13849-1:2006 or a safety integrity level SIL = 2 in accordance with IEC 62061.