
**Tekstilni stroji – Varnostne zahteve – 5. del: Stroji za pripravo za tkanje in pletenje
(ISO 11111-5:2005)**

Textile machinery - Safety requirements - Part 5: Preparatory machinery to weaving and knitting (ISO 11111-5:2005)

Textilmaschinen - Sicherheitsanforderungen - Teil 5: Vorbereitungsmaschinen für die Weberei und Wirkerei (ISO 11111-5:2005)

Matériel pour l'industrie textile - Exigences de sécurité - Partie 5: Machines de préparation au tissage et au tricotage (ISO 11111-5:2005)

<https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005>

Ta slovenski standard je istoveten z: EN ISO 11111-5:2005

ICS:

59.120.30	Statve. Tkalni stroji	Looms. Weaving machines
59.120.40	Pletilni stroji	Knitting machines

SIST EN ISO 11111-5:2005**en**

iTeh STANDARD PREVIEW **(standards.iteh.ai)**

SIST EN ISO 11111-5:2005

<https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005>

English version

**Textile machinery - Safety requirements - Part 5: Preparatory
machinery to weaving and knitting (ISO 11111-5:2005)**

Matériel pour l'industrie textile - Exigences de sécurité -
Partie 5: Machines de préparation au tissage et au
tricotage (ISO 11111-5:2005)

Textilmaschinen - Sicherheitsanforderungen - Teil 5:
Vorbereitungs- maschinen für die Weberei und Wirkerei
(ISO 11111-5:2005)

This European Standard was approved by CEN on 21 January 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN ISO 11111-5:2005](https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005)

<https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005>



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This document (EN ISO 11111-5:2005) has been prepared by Technical Committee ISO/TC 72 "Textile machinery and machinery for dry-cleaning and industrial laundering" in collaboration with Technical Committee CEN/TC 214 "Textile machinery and machinery for dry-cleaning and industrial laundry", the secretariat of which is held by SNV.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2005, and conflicting national standards shall be withdrawn at the latest by August 2005.

This document supersedes EN ISO 11111:1995.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZB, which is an integral part of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN ISO 11111-5:2005](https://standards.iteh.ai/catalog/standards/sist/66cc0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005)

Endorsement notice

[https://standards.iteh.ai/catalog/standards/sist/66cc0d0f-49aa-4825-ad80-](https://standards.iteh.ai/catalog/standards/sist/66cc0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005)

[8648a9e6cc79/sist-en-iso-11111-5-2005](https://standards.iteh.ai/catalog/standards/sist/66cc0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005)

The text of ISO 11111-5:2005 has been approved by CEN as EN ISO 11111-5:2005 without any modifications.

NOTE Normative references to International Standards are listed in annex ZA (normative).

ANNEX ZA
(normative)**List of ISO standards and corresponding EN Standards**

ISO	Corresponding to
ISO 9902-1	EN ISO 9902-1
ISO 9902-5	EN ISO 9902-5
ISO 11111-1:2005	EN ISO 11111-1:2005
ISO 13852:1996	EN 294:1992
CEI 60204-1:2000	EN 60204-1:1997

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 11111-5:2005](https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005)

<https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005>

ANNEX ZB
(informative)

**Relationship between this European Standard and the Essential
Requirements of EU Directive 98/37/EC**

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means to conforming to Essential Requirements of the New Approach Directive Machinery Directive 98/37/EC amended by Directive 98/79/EC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

WARNING: Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 11111-5:2005

<https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005>

**Textile machinery — Safety
requirements —**

Part 5:

**Preparatory machinery to weaving and
knitting**

STANDARD PREVIEW
*Matériel pour l'industrie textile — Exigences de sécurité —
Partie 5: Machines de préparation au tissage et au tricotage*
(standards.iteh.ai)

SIST EN ISO 11111-5:2005

<https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005>



Reference number
ISO 11111-5:2005(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 11111-5:2005

<https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005>

© ISO 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 List of significant hazards	1
5 Significant hazards and corresponding safety requirements and/or measures	2
5.1 General	2
5.2 Warping, beaming and assembly beaming machines	2
5.3 Sizing equipment	4
5.3.1 Common requirements of sizing machines	4
5.3.2 Cylinder dryers for sizing lines	4
5.3.3 Size baths	6
5.4 Size kettles	8
5.5 Storage equipment for warp beams	10
6 Verification of the safety requirements and/or measures	11
7 Information concerning machine use	11
Bibliography	12

[SIST EN ISO 11111-5:2005](https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005)

<https://standards.iteh.ai/catalog/standards/sist/6b6e0d0f-49aa-4825-ad80-8648a9e6cc79/sist-en-iso-11111-5-2005>

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11111-5 was prepared by Technical Committee ISO/TC 72, *Textile machinery and machinery for dry-cleaning and industrial laundering*, Subcommittee SC 8, *Safety requirements for textile machinery*.

This first edition of ISO 11111-5, together with ISO 11111-1, ISO 11111-2, ISO 11111-3, ISO 11111-4, ISO 11111-6 and ISO 11111-7, cancels and replaces ISO 11111:1995, which has been technically revised.

ISO 11111 consists of the following parts, under the general title *Textile machinery — Safety requirements*:

- *Part 1: Common requirements*
- *Part 2: Spinning preparatory and spinning machines*
- *Part 3: Nonwoven machinery*
- *Part 4: Yarn processing, cordage and rope manufacturing machinery*
- *Part 5: Preparatory machinery to weaving and knitting*
- *Part 6: Fabric manufacturing machinery*
- *Part 7: Dyeing and finishing machinery*

Introduction

ISO 11111-1 to ISO 11111-7 were prepared simultaneously by ISO/TC 72 and CEN/TC 214 and adopted under the Vienna Agreement in order to obtain identical standards on technical safety requirements for the design and construction of textile machinery.

ISO 11111 as a whole is intended for use by any person concerned with the safety of textile machinery, for example, textile machinery designers, manufacturers and systems integrators. It is also of interest to users of textile machines and safety experts.

This document is a type C standard as stated in ISO 12100-1. The various parts of ISO 11111 deal with significant hazards generated by machines used in the textile industry. The machinery concerned and the extent to which hazards are covered are indicated in the scope of this standard.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence.

For hazards of machines and machine elements not dealt with in the relevant part of ISO 11111, the designer is to perform a risk assessment according to ISO 14121 and evolve means for reducing the risk from significant hazards.

This part of ISO 11111 is intended to be used in conjunction with ISO 11111-1. As far as possible, the requirements of this part of ISO 11111 are treated by way of reference to Clauses 5 and 6 of ISO 11111-1. Clause 5 of ISO 11111-1 contains safety requirements and/or measures for frequently occurring hazards of textile machinery which apply whenever referred to in this part of ISO 11111, while Clause 6 describes significant hazards and corresponding safety requirements and/or measures for certain machine elements and their combinations (e.g. rollers), which also apply whenever referred to in this part of ISO 11111.