

This is a preview of "ISO 9902-1:2001". [Click here to purchase the full version from the ANSI store.](#)

First edition  
2001-03-15

---

---

## **Textile machinery — Noise test code — Part 1: Common requirements**

*Matériel pour l'industrie textile — Code d'essai acoustique —  
Partie 1: Exigences communes*



Reference number  
ISO 9902-1:2001(E)

© ISO 2001

This is a preview of "ISO 9902-1:2001". [Click here to purchase the full version from the ANSI store.](#)

**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.

© ISO 2001

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.ch](mailto:copyright@iso.ch)  
Web [www.iso.ch](http://www.iso.ch)

Printed in Switzerland

This is a preview of "ISO 9902-1:2001". [Click here to purchase the full version from the ANSI store.](#)

## Contents

	Page
Foreword.....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 Defining the test object .....	3
5 Sound power level determination .....	3
6 Emission sound pressure level determination.....	4
7 Installation and mounting conditions.....	4
8 Operating conditions.....	5
9 Measurement uncertainties .....	6
10 Information to be recorded .....	7
11 Information to be reported .....	7
12 Declaration and verification of noise emission values.....	8
Annex A (informative) Forms for recording and reporting noise emission data of textile machinery.....	9

## 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 3.

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 part of ISO 9902 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 9902-1 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 9902-1, together with ISO 9902-2, ISO 9902-3, ISO 9902-4, ISO 9902-5, ISO 9902-6 and ISO 9902-7, cancels and replaces ISO 9902:1993, which has been technically revised.

ISO 9902 consists of the following parts, under the general title *Textile machinery — Noise test code*:

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

Annex A of this part of ISO 9902 is for information only.

This is a preview of "ISO 9902-1:2001". [Click here to purchase the full version from the ANSI store.](#)

## Introduction

Basic noise emission quantities for textile machinery include emission sound pressure levels at work stations and the sound power level. The determination of these quantities (i.e. the test) is necessary for:

- manufacturers to be able to declare the noise emitted,
- machine users to be able to compare the noise emitted by machines in the group concerned,
- experimental verification of the noise control measures taken at the design stage, and
- estimation of noise immission (exposure) in the workplace or at the work station.

ISO 9902 constitutes a comprehensive noise test code for textile machinery. Its use will ensure the reproducibility of the determination of the noise emission quantities within specified limits determined by the grade of accuracy.