



SLOVENSKI STANDARD

SIST EN ISO 8331:2012

01-januar-2012

Gumene in polimerne cevi ter cevni priključki - Smernice za izbiro, skladiščenje, uporabo in vzdrževanje (ISO 8331:2007)

Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance (ISO 8331:2007)

Gummi- und Kunststoffschläuche und Schlauchleitungen - Richtlinien für die Auswahl, Lagerung, Verwendung und Wartung (ISO 8331:2007)

Tuyaux et flexibles en caoutchouc et en plastique - Lignes directrices pour la sélection, le stockage, l'utilisation et la maintenance (ISO 8331:2007)

<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>

Ta slovenski standard je istoveten z: EN ISO 8331:2011

ICS:

83.140.40 Gumene cevi Hoses

SIST EN ISO 8331:2012 **en,fr,de**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8331:2012](#)

<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8331

May 2011

ICS 23.040.70

English Version

Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance (ISO 8331:2007)

Tuyaux et flexibles en caoutchouc et en plastique - Lignes directrices pour la sélection, le stockage, l'utilisation et la maintenance (ISO 8331:2007)

Gummi- und Kunststoffschläuche und Schlauchleitungen - Richtlinien für die Auswahl, Lagerung, Verwendung und Wartung (ISO 8331:2007)

This European Standard was approved by CEN on 15 April 2011.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

[SIST EN ISO 8331:2012](https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012)

<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....3

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

SIST EN ISO 8331:2012

<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>

Foreword

The text of ISO 8331:2007 has been prepared by Technical Committee ISO/TC 45 “Rubber and rubber products” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 8331:2011 by Technical Committee CEN/TC 218 “Rubber and plastics hoses and hose assemblies” the secretariat of which is held by BSI.

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 November 2011, and conflicting national standards shall be withdrawn at the latest by November 2011.

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

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

iTeh STANDARD PREVIEW
Endorsement notice
(standards.iteh.ai)

The text of ISO 8331:2007 has been approved by CEN as a EN ISO 8331:2011 without any modification.

[SIST EN ISO 8331:2012](https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012)

<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8331:2012](#)

<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>

INTERNATIONAL
STANDARD

ISO
8331

Second edition
2007-05-01

**Rubber and plastics hoses and hose
assemblies — Guidelines for selection,
storage, use and maintenance**

*Tuyaux et flexibles en caoutchouc et en plastique — Lignes directrices
pour la sélection, le stockage, l'utilisation et la maintenance*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8331:2012](https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012)

<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>



Reference number
ISO 8331:2007(E)

© ISO 2007

ISO 8331:2007(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 8331:2012](https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012)

<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2007

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

1	Scope	1
2	Normative references	1
3	General recommendations	1
3.1	Selection criteria	1
3.2	Storage conditions	2
3.3	Use and maintenance	4
4	Additional recommendations for specific applications	6
4.1	General	6
4.2	Welding and gas-cutting hoses	6
4.3	Steam hoses	6
4.4	Hoses for the conveyance of foodstuffs and drinking water	7
4.5	Hoses for the conveyance of abrasive products	7
4.6	Hoses for the conveyance of corrosive or aggressive products	7
4.7	Hoses for the conveyance of flammable products	7
4.8	Automotive hoses	8
4.9	Hydraulic hoses	8
4.10	Fire-fighting hoses	8
4.11	Oil-industry hoses and hose assemblies	10
Bibliography		12

ISO 8331:2007(E)

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 8331 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This second edition cancels and replaces the first edition (ISO 8331:1991), which has been technically revised.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 8331:2012
<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>

Rubber and plastics hoses and hose assemblies — Guidelines for selection, storage, use and maintenance

1 Scope

This International Standard sets out recommendations designed to maintain rubber and plastics hoses and hose assemblies, prior to use, in a condition as close as possible to the condition they were in when they were received and to obtain the expected service life.

NOTE It is intended that this International Standard be used in conjunction with any applicable national statutory regulations.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1402, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing*

ISO 2230, *Rubber products — Guidelines for storage*
<https://standards.iteh.ai/catalog/standards/sist/4d2b5978-c3a9-477c-b3bb-44fa5e05f1ec/sist-en-iso-8331-2012>

ISO 8031, *Rubber and plastics hoses and hose assemblies — Determination of electrical properties*

ISO/TR 17165-2, *Hydraulic fluid power — Hose assemblies — Part 2: Recommended practices for hydraulic hose assemblies*

3 General recommendations

3.1 Selection criteria

It is in the best interests of the user to select hoses or hose assemblies complying with national or international standards whenever such standards exist for the intended application. For applications outside the scope of such standards, needing special requirements or for which the necessary information is not available, the hose manufacturer or trade association should be consulted.

The following points should be taken into consideration when selecting a hose or hose assembly for a specific application:

- a) Operational environment:
 - ambient temperature;
 - atmospheric conditions;
 - contact with chemically aggressive liquids;
 - contact with other deleterious media.