



# SLOVENSKI STANDARD SIST EN ISO 1307:2009

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Rubber and plastics hoses - Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses (ISO 1307:2006)

Gummi- und Kunststoffschläuche - Schlauchmaße, Klein- und Größt-Innendurchmesser, und Toleranzen bei abgelängten Schläuchen (ISO 1307:2006)

Tuyaux en caoutchouc et en plastique - Diamètres nominaux, diamètres intérieurs minimaux et maximaux, et tolérances sur la longueur de coupe (ISO 1307:2006)

**Ta slovenski standard je istoveten z: EN ISO 1307:2008**

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**ICS:**

23.040.70 Gumene cevi in armature Hoses and hose assemblies

**SIST EN ISO 1307:2009 en,fr,de**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 1307**

January 2008

ICS 23.040.70

Supersedes EN ISO 1307:1995

English Version

**Rubber and plastics hoses - Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses (ISO 1307:2006)**

Tuyaux en caoutchouc et en plastique - Dimensions des tuyaux, diamètres intérieurs minimaux et maximaux, et tolérances sur la longueur de coupe (ISO 1307:2006)

Gummi- und Kunststoffschläuche - Schlauchmaße, Kleinst- und Größt-Innendurchmesser, und Toleranzen bei abgelängten Schläuchen (ISO 1307:2006)

This European Standard was approved by CEN on 26 December 2007.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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.

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

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

**EN ISO 1307:2008 (E)****Foreword**

The text of ISO 1307:2006 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 1307:2008 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 July 2008, and conflicting national standards shall be withdrawn at the latest by July 2008.

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.

This document supersedes EN ISO 1307:1995.

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, 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.

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**Endorsement notice**

The text of ISO 1307:2006 has been approved by CEN as EN ISO 1307:2008 without any modifications.

INTERNATIONAL  
STANDARD

ISO  
1307

Fourth edition  
2006-09-15

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**Rubber and plastics hoses — Hose sizes,  
minimum and maximum inside diameters,  
and tolerances on cut-to-length hoses**

*Tuyaux en caoutchouc et en plastique — Diamètres nominaux,  
diamètres intérieurs minimaux et maximaux, et tolérances sur la  
longueur de coupe*

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Reference number  
ISO 1307:2006(E)

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## ISO 1307:2006(E)

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Published in Switzerland

## 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 1307 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This fourth edition cancels and replaces the third edition (ISO 1307:1992), which has been technically revised. The revision includes classifying the hoses by type according to the manufacturing process, adding additional sizes, and changing the inside-diameter tolerances to minimum and maximum dimensions to be consistent with the latest hose standards.

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# Rubber and plastics hoses — Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses

## 1 Scope

This International Standard specifies the sizes of rubber and plastics hoses and the minimum and maximum inside diameters permitted for each hose size. For this purpose, hoses are divided into four types according to the process by which they are manufactured. The standard also specifies tolerances on cut-to-length rubber and plastics hoses for industrial and automotive applications. This standard is intended to be used with the relevant hoses product standard unless there is justification for using a different hose size or unless a hose size needs a different inside-diameter range for a particular application.

## 2 Hose sizes and ID tolerances by manufacturing type

The sizes of rubber and plastic hoses and their respective inside-diameter ranges shall be in accordance with Table 1. Four types are specified, according to the process used to manufacture them:

- type A: hoses built using a rigid mandrel for inside-diameter control;
- type B: hoses built using a flexible mandrel for inside-diameter control (plus plastic hydraulic hoses made with or without a mandrel);
- type C: hoses built without using a mandrel (non-mandrel-built);
- type D: flexible extruded plastics hoses (type D does not include spiral-reinforced plastics suction and discharge hoses, which are classified as type C).