

**SLOVENSKI STANDARD  
SIST EN ISO 19893:2018****01-december-2018****Nadomešča:  
SIST EN 12293:2000**

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**Cevni sistemi iz polimernih materialov - Plastomerne cevi in fittingi za hladno in toplo vodo - Preskusna metoda za ugotavljanje odpornosti sistema proti cikličnim temperaturnim spremembam (ISO 19893:2011)**

Plastics piping systems - Thermoplastics pipes and fittings for hot and cold water - Test method for the resistance of mounted assemblies to temperature cycling (ISO 19893:2011)

**iTeh STANDARD PREVIEW**  
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Kunststoff-Rohrleitungssysteme - Röhre und Formstücke aus Thermoplasten für Warm- und Kaltwasser - Prüfverfahren für die Widerstandsfähigkeit von montierten Baugruppen gegen Temperaturwechselbeanspruchung (ISO 19893:2011)

<https://standards.iteh.ai/catalog/standards/sist/b185d2e4-4452-434a-b4b6-698e54391e56/sist-en-iso-19893-2018>

Systèmes de canalisations en plastique - Tubes thermoplastiques et raccords pour eau chaude et froide - Méthode d'essai de la résistance des assemblages à des cycles de température (ISO 19893:2011)

**Ta slovenski standard je istoveten z: EN ISO 19893:2018****ICS:**

23.040.01	Deli cevovodov in cevovodi na splošno	Pipeline components and pipelines in general
91.140.60	Sistemi za oskrbo z vodo	Water supply systems

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EUROPEAN STANDARD

EN ISO 19893

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2018

ICS 23.040.20; 23.040.45

Supersedes EN 12293:1999

English Version

Plastics piping systems - Thermoplastics pipes and fittings  
for hot and cold water - Test method for the resistance of  
mounted assemblies to temperature cycling (ISO  
19893:2011)

Systèmes de canalisations en plastique - Tubes  
thermoplastiques et raccords pour eau chaude et  
froide - Méthode d'essai de la résistance des  
assemblages à des cycles de température (ISO  
19893:2011)

Kunststoff-Rohrleitungssysteme - Rohre und  
Formstücke aus Thermoplasten für Warm- und  
Kaltwasser - Prüfverfahren für die  
Widerstandsfähigkeit von montierten Baugruppen  
gegen Temperaturwechselbeanspruchung (ISO  
19893:2011)

This European Standard was approved by CEN on 1 September 2017.

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.

SIST EN ISO 19893:2018

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

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

SIST EN ISO 19893:2018  
<https://standards.iteh.ai/catalog/standards/sist/b185d2e4-4452-434a-b4b6-698e54391e56/sist-en-iso-19893-2018>

## European foreword

The text of ISO 19893:2011 has been prepared by Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids" of the International Organization for Standardization (ISO) and has been taken over as EN 19893:2018 by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems" the secretariat of which is held by NEN.

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 March 2019, and conflicting national standards shall be withdrawn at the latest by September 2021.

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

This document supersedes EN 12293:1999.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**PREVIEW**  
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### Endorsement notice

The text of ISO 19893:2011 has been approved by CEN as EN 19893:2018 without any modification.

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# INTERNATIONAL STANDARD

**ISO  
19893**

First edition  
2011-12-15

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## Plastics piping systems — Thermoplastics pipes and fittings for hot and cold water — Test method for the resistance of mounted assemblies to temperature cycling

*Systèmes de canalisations en plastique — Tubes thermoplastiques et raccords pour eau chaude et froide — Méthode d'essai de la résistance des assemblages à des cycles de température*  
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Reference number  
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## 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 19893 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 5, *General properties of pipes, fittings and valves of plastic materials and their accessories — Test methods and basic specifications*.

TC1 STANDARD PREVIEW  
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