SLOVENSKI STANDARD
SIST EN ISO 3183:2020

01-januar-2020

Nadomešča:
SIST EN ISO 3183:2013
SIST EN ISO 3183:2013/A1:2018

Industrija za predelavo nafte in zemeljskega plina - Jeklene cevi za cevovodni transportni sistem (ISO 3183:2019)

Petroleum and natural gas industries - Steel pipe for pipeline transportation systems (ISO 3183:2019)

Erdöl- und Erdgasindustrie - Stahlrohre für Rohrleitungstransportsysteme (ISO 3183:2019)

Industries du pétrole et du gaz naturel - Tubes en acier pour les systèmes de transport par conduites (ISO 3183:2019)

Ta slovenski standard je istoveten z: **EN ISO 3183:2019**

ICS:

75.200	Oprema za skladiščenje nafte, naftnih proizvodov in zemeljskega plina	Petroleum products and natural gas handling equipment
77.140.75	Jeklene cevi in cevni profili za posebne namene	Steel pipes and tubes for specific use

SIST EN ISO 3183:2020 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 3183

October 2019

ICS 75.200; 77.140.75

Supersedes EN ISO 3183:2012

English Version

Petroleum and natural gas industries - Steel pipe for pipeline transportation systems (ISO 3183:2019)

Industries du pétrole et du gaz naturel - Tubes en acier pour les systèmes de transport par conduites (ISO 3183:2019)

Erdöl- und Erdgasindustrie - Stahlrohre für Rohrleitungstransportsysteme (ISO 3183:2019)

This European Standard was approved by CEN on 19 February 2019.

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

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

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European foreword

This document (EN ISO 3183:2019) has been prepared by Technical Committee ISO/TC 67 "Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries" in collaboration with Technical Committee CEN/TC 459/SC 10 “Steel tubes, and iron and steel fittings” the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

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 ISO 3183:2012.

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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 3183:2019 has been approved by CEN as EN ISO 3183:2019 without any modification.

INTERNATIONAL STANDARD

ISO 3183

Fourth edition
2019-10

Petroleum and natural gas industries — Steel pipe for pipeline transportation systems

Industries du pétrole et du gaz naturel — Tubes en acier pour les systèmes de transport par conduites

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*, Subcommittee SC 2, *Pipeline transportation systems*.

This fourth edition cancels and replaces the third edition (ISO 3183:2012), which has been technically revised. It also incorporates the Amendment (ISO 3183:2012/Amd.1:2017).

This document supplements API Spec 5L, 46th edition (2018).

The technical requirements of this document and API Spec 5L used to be identical (except for the inclusion of Annex M in the ISO publication). In the meantime API Spec 5L has been technically revised as API Spec 5L, 46th edition (2018). The purpose of this document is to bring it up to date, by referencing the current edition of API Spec 5L and including supplementary content.

The main changes compared to the previous edition are as follows:

— Technical changes now incorporated by normative reference to API Spec 5L have been made in the API Spec 5L subclauses addressing

  — weld seams (API Spec 5L, 8.8.2 clarifies heat treatment),

  — tolerances for straightness (API Spec 5L, 9.11.3.4b and J.6.4 pipe end tolerances tightened),

  — end squareness (API Spec 5L, 9.12.6 defined in detail),

  — impact test pieces (API Spec 5L, Table 22 test piece size table corrected),

  — location of hardness tests (API Spec 5L, Figures H.1 and J.1 weld centre line for HFW detailed),

  — welded jointers (API Spec 5L, Annex M fit up and geometry, marking & NDT addressed),

  — a new annex N has been added for PSL 2 pipe ordered for applications requiring longitudinal plastic strain capacity, and

— changes on order of annexes.

— Annex M of the previous edition of this document, i.e. ISO 3183:2012/Amd 1:2017, for PSL 2 pipe ordered for European onshore natural gas transmission pipelines, is now provided as Annex A.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document was originally developed by harmonizing the requirements of API Spec 5L, 44th edition (2007) and the second edition of this document, i.e. ISO 3183:2007. This continued to be the case for the third edition of this document, i.e. ISO 3183:2012 and API Spec 5L, 45th edition (2012), in which clarification and additional technical requirements were added.