



SLOVENSKI STANDARD SIST EN ISO 13704:2023

01-januar-2023

Nadomešča:

SIST EN ISO 13704:2009

SIST EN ISO 13704:2009/AC:2009

**Petrokemična industrija ter industrija za predelavo nafte in zemeljskega plina -
Izračun debeline grelne cevi v rafinerijah nafte (ISO 13704:2022)**

Petroleum, petrochemical and natural gas industries - Calculation of heater-tube
thickness in petroleum refineries (ISO 13704:2022)

Erdöl- und Erdgasindustrie - Berechnung der Wanddicke von Heizrohren in
Erdölraffinerien (ISO 13704:2022)

<https://standards.iteh.ai/catalog/standards/sist/55e5d9f1-417c-4baf-9e2f-3334efe967e9/sist-13704-2023>
Industries du pétrole, de la pétrochimie et du gaz naturel - Calcul de l'épaisseur des
tubes de fours de raffineries de pétrole (ISO 13704:2022)

Ta slovenski standard je istoveten z: EN ISO 13704:2022

ICS:

75.180.20 Predelovalna oprema Processing equipment

SIST EN ISO 13704:2023

en,fr,de

EUROPEAN STANDARD

EN ISO 13704

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2022

ICS 75.180.20

Supersedes EN ISO 13704:2007, EN ISO
13704:2007/AC:2009

English Version

Petroleum, petrochemical and natural gas industries - Calculation of heater-tube thickness in petroleum refineries (ISO 13704:2022)

Industries du pétrole, de la pétrochimie et du gaz
naturel - Calcul de l'épaisseur des tubes de fours de
raffineries de pétrole (ISO 13704:2022)

Erdöl- und Erdgasindustrie - Berechnung der
Wanddicke von Heizrohren in Erdölraffinerien (ISO
13704:2022)

This European Standard was approved by CEN on 25 July 2022.

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

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[SIST EN ISO 13704:2023](https://standards.iteh.ai/catalog/standards/sist/55e5d9f1-417c-4baf-9e2f-3334efe967e9/sist-en-iso-13704-2023)

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European foreword

This document (EN ISO 13704:2022) has been prepared by Technical Committee ISO/TC 67 "Oil and gas industries including lower carbon energy" in collaboration with Technical Committee CEN/TC 12 "Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries" 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 May 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.

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.

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The text of ISO 13704:2022 has been approved by CEN as EN ISO 13704:2022 without any modification.

INTERNATIONAL
STANDARD

ISO
13704

Third edition
2022-10

**Petroleum, petrochemical and natural
gas industries — Calculation of heater-
tube thickness in petroleum refineries**

*Industries du pétrole, de la pétrochimie et du gaz naturel — Calcul de
l'épaisseur des tubes de fours de raffineries de pétrole*

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Contents

	Page
Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Supplements to API 530, 7th edition (2015)	1
4.1 General requirements.....	1
4.2 Limitations for design procedures.....	2

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(standards.iteh.ai)

[SIST EN ISO 13704:2023](https://standards.iteh.ai/catalog/standards/sist/55e5d9f1-417c-4baf-9e2f-3334efe967e9/sist-en-iso-13704-2023)

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ISO 13704:2022(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.

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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For an explanation of the voluntary nature of standards, 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 67, *Oil and gas industries including lower carbon energy*, Subcommittee SC 6, *Processing equipment and systems*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 12, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 13704:2007), which has been technically revised. It also incorporates the Technical Corrigendum ISO 13704:2007/Cor 1:2008.

This document supplements API Std 530, 7th edition (2015) including addendum 1 and addendum 2.

The technical requirements of ISO 13704 and API Std 530 used to be identical. In the meantime API Std 530 has been technically revised as API 530, 7th edition (2015) with addendums 1 and 2. The purpose of this edition of ISO 13704 is to bring it up to date, by referencing the current edition of API Std 530 and including supplementary content.

The main changes are as follows:

- the allowable stress values of some of the materials which have been amended in accordance with the latest WRC bulletin 541, 3rd edition, August 2020.

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.