

<b>STN</b>	<b>Technická dokumentácia výrobu Zjednodušené zobrazovanie potrubí Časť 2: Izometrické premietanie (ISO 6412-2: 2017)</b>	<b>STN EN ISO 6412-2</b>  01 3125
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Technical product documentation - Simplified representation of pipelines - Part 2: Isometric projection (ISO 6412-2:2017)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/18

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English Version

## Technical product documentation - Simplified representation of pipelines - Part 2: Isometric projection (ISO 6412-2:2017)

Documentation technique de produits - Représentation  
simplifiée des tuyaux et lignes de tuyauteries - Partie 2:  
Projection isométrique (ISO 6412-2:2017)

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

**EN ISO 6412-2:2018 (E)**

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## **European foreword**

This document (EN ISO 6412-2:2018) has been prepared by Technical Committee ISO/TC 10 "Process plant documentation".

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of an identical text or by endorsement, at the latest by August 2018, and conflicting national standards shall be withdrawn at the latest by August 2018.

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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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.

### **Endorsement notice**

The text of ISO 6412-2:2017 has been approved by CEN as EN ISO 6412-2:2018 without any modification.

# INTERNATIONAL STANDARD

# ISO 6412-2

Second edition  
2017-12

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## Technical product documentation — Simplified representation of pipelines —

### Part 2: Isometric projection

*Documentation technique de produits — Représentation simplifiée  
des tuyaux et lignes de tuyauteries —*

*Partie 2: Projection isométrique*



Reference number  
ISO 6412-2:2017(E)

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## ISO 6412-2:2017(E)



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## ISO 6412-2:2017(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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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 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 the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 10, *Technical drawings*, Subcommittee SC 10, *Process plant documentation*.

This second edition cancels and replaces the first edition (ISO 6412-2:1989), which has been technically revised.

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

- the normative references were updated;
- the document underwent editorial revision.

A list of all parts in the ISO 6412 series can be found on the ISO website.



## **Introduction**

For drawings for tender, manufacturing drawings and erection drawings in pipeline construction as well as in machine construction and the construction industry, isometric projection has been introduced to a great extent, since the drawing work can be cut down and the presentation made clearer.

For the purposes of this document, all dimensions and tolerances on the drawings have been stencilled in upright lettering. It should be understood that these indications could just as well be written in free-hand or inclined (italic) lettering without altering the meaning of the indications.

For the presentation of lettering (proportions and dimensions), see ISO 6412-1.



# Technical product documentation — Simplified representation of pipelines —

## Part 2: Isometric projection

### 1 Scope

This document specifies supplementary rules, in addition to the general rules given in ISO 6412-1, applicable to isometric representation. Isometric representation is used where it is necessary to show the essential features clearly in three dimensions.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 128-20, *Technical drawings — General principles of presentation*

ISO 129-1, *Technical drawings — Indication of dimensions and tolerances — Part 1: General principles*

ISO 3545-1, *Steel tubes and fittings — Symbols for use in specifications — Part 1: Tubes and tubular accessories with circular cross-section*

ISO 5261, *Technical drawings — Simplified representation of bars and profile sections*

ISO 6412-1, *Technical drawings — Simplified representation of pipelines — Part 1: General rules and orthogonal representation*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**