



# SLOVENSKI STANDARD SIST EN ISO 128-20:2002

01-februar-2002

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Technical drawings - General principles of presentation - Part 20: Basic conventions for lines (ISO 128-20:1996)

Technische Zeichnungen - Allgemeine Grundlagen der Darstellung - Teil 20: Linien, Grundregeln (ISO 128-20:1996)

Dessins techniques - Principes généraux de représentation - Partie 20: Conventions de base pour les traits (ISO 128-20:1996)

**STANDARD PREVIEW**  
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Ta slovenski standard je istoveten z: **EN ISO 128-20:2001**

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## **ICS:**

01.100.01      V^@ã}[ Áã æ b Á æ] || z}[      Technical drawings in general

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ICS 01.100.01

English version

**Technical drawings - General principles of presentation - Part  
20: Basic conventions for lines (ISO 128-20:1996)**

Dessins techniques - Principes généraux de représentation  
- Partie 20: Conventions de base pour les traits (ISO 128-  
20:1996)

This European Standard was approved by CEN on 30 September 2001.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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**

## Foreword

The text of the International Standard from Technical Committee ISO/TC 10 "Technical drawings, product definition and related documentation" of the International Organization for Standardization (ISO), the secretariat of which is held by CMC.

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 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

**NOTE FROM CMC** The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## iTeh STANDARD PREVIEW Endorsement notice (standards.iteh.ai)

The text of the International Standard ISO 128-20:1996 has been approved by CEN as a European Standard without any modification.

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# INTERNATIONAL STANDARD

**ISO**  
**128-20**

First edition  
1996-11-15

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## Technical drawings — General principles of presentation —

### Part 20: Basic conventions for lines (standards.iteh.ai)

*Dessins techniques — Principes généraux de représentation —  
Partie 20: Conventions de base pour les traits*



Reference number  
ISO 128-20:1996(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.

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.

International Standard ISO 128-20 was prepared by Technical Committee ISO/TC 10, *Technical drawings, product definition and related documentation*, Subcommittee SC 1, *Basic conventions*.

This first edition is based on ISO 128:1982, clause 3, and it replaces the rules specified in that clause.

ISO 128 consists of the following parts, under the general title *Technical drawings — General principles of presentation*:

- Part 20: *Basic conventions for lines*
- Part 21: *Preparation of lines by CAD systems*
- Part 23: *Lines on construction drawings*

Further parts of ISO 128 are planned, covering other general principles of presentation including those for the application of lines within drawings of various technical fields.

Annex A of this part of ISO 128 is for information only.

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## Introduction

ISO 128-20 was prepared as ISO/DIS 12011-1.

ISO 128-20 contains generally applicable rules for the presentation of lines in all kinds of technical product documentation.

The application of lines within drawings of special technical fields varies considerably. Therefore rules of application are not given in this part of ISO 128.

Other International Standards containing rules for lines in specialized fields are listed in annex A.

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# Technical drawings — General principles of presentation —

## Part 20: Basic conventions for lines

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

#### 1 Scope

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This part of ISO 128 establishes the types of lines, their designations and their configurations, as well as general rules for draughting of lines used in technical drawings, e.g. diagrams, plans or maps.

#### 2 Definitions

For the purposes of this part of ISO 128, the following definitions apply.

**2.1 line:** Geometrical object, the length of which is more than half of the line width and which connects an origin with an end in any way, e.g. straight, curved, without or with interruptions.

##### NOTES

- 1 The origin and the end may coincide with one another, e.g. in the case of a line forming a circle.
- 2 A line, the length of which is less than or equal to half of the line width, is called a dot.
- 3 A test should be made in order to check the appearance of drawings intended to be microcopied or transferred by fax.

**2.2 line element:** Single part of a non-continuous line, e.g. dots, dashes, which vary in length, and gaps.

**2.3 line segment:** Group of two or more different line elements which form a non-continuous line, e.g. long dash/gap/dot/gap/dot/gap.