



SLOVENSKI STANDARD SIST EN ISO 128-21:2002

01-februar-2002

Technical drawings - General principles of presentation - Part 21: Preparation of lines by CAD systems (ISO 128-21:1997)

Technical drawings - General principles of presentation - Part 21: Preparation of lines by CAD systems (ISO 128-21:1997)

Technische Zeichnungen - Allgemeine Grundlagen der Darstellung - Teil 21: Ausführung von Linien mit CAD-Systemen (ISO 128-21:1997)

Dessins techniques - Principes généraux de représentation - Partie 21: Préparation des traits par systèmes de CAO (ISO 128-21:1997)

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Ta slovenski standard je istoveten z: EN ISO 128-21:2001

ICS:

01.100.01	Technical drawings in general
35.240.10	Computer-aided design (CAD)

SIST EN ISO 128-21:2002 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 128-21

October 2001

ICS 01.100.01; 35.240.10

English version

**Technical drawings - General principles of presentation - Part
21: Preparation of lines by CAD systems (ISO 128-21:1997)**

Dessins techniques - Principes généraux de représentation
- Partie 21: Préparation des traits par systèmes de CAO
(ISO 128-21:1997)

Technische Zeichnungen - Allgemeine Grundlagen der
Darstellung - Teil 21: Ausführung von Linien mit CAD-
Systemen (ISO 128-21:1997)

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

EN ISO 128-21:2001 (E)

CORRECTED 2002-01-02

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.

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.

Endorsement notice

The text of the International Standard ISO 128-21:1997 has been approved by CEN as a European Standard without any modification.

NOTE Normative references to International Standards are listed in annex ZA (normative).

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Annex ZA (normative)

Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of -any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 128-20	1996	Technical drawings - General principles of presentation - Part 20: Basic conventions for lines	EN ISO 128-20	2001
ISO 5455	1979	Technical drawings - Scales	EN ISO 5455	1994

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INTERNATIONAL
STANDARD

ISO
128-21

First edition
1997-03-01

**Technical drawings — General principles
of presentation —**

Part 21:
Preparation of lines by CAD systems

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*Dessins techniques — Principes généraux de représentation —
Partie 21: Préparation des traits par systèmes de CAO*



Reference number
ISO 128-21:1997(E)

ISO 128-21:1997(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 128-21 was prepared by Technical Committee ISO/TC 10, *Technical drawings, product definition and related documentation*, Subcommittee SC 1, *Basic conventions*.

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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X.400 c=ch; a=400net; p=iso; o=isocs; s=central

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Introduction

Today the appearance of non-continuous lines on technical drawings prepared by computer-aided design (CAD) systems varies considerably between different systems. For that reason the standardized rules established by this International Standard, in addition to those in ISO 128-20, are intended as an aid for the consistent appearance of line elements calculated by computers and drawn by plotters.

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Technical drawings — General principles of presentation —

Part 21:

Preparation of lines by CAD systems

1 Scope

This part of ISO 128 specifies procedures for the calculation of the most important basic types of non-continuous lines according to ISO 128-20 and their line elements.

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2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 128. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 128 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 128-20:1996, *Technical drawings — General principles of presentation — Part 20: Basic conventions for lines.*

ISO 5455:1979, *Technical drawings — Scales.*

3 Definitions

For the purposes of this part of ISO 128 the definitions given in ISO 128-20 apply.

4 Calculation of line elements

4.1 Line type No. 02 (dashed line)

See figure 1 for the configuration of this type of line.