



# SLOVENSKI STANDARD SIST EN ISO 5456-3:2002

01-februar-2002

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**Gradbeniške risbe - Metode projekcije - 3. del: Aksonometrijske predstavitve (ISO 5456-3:1996)**

Technical drawings - Projection methods - Part 3: Axonometric representations (ISO 5456-3:1996)

Technische Zeichnungen - Projektionsmethoden - Teil 3: Axonometrische Darstellungen (ISO 5456-3:1996)

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Dessins techniques - Méthodes de projection - Partie 3: Représentations axonométriques (ISO 5456-3:1996)

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**Ta slovenski standard je istoveten z: EN ISO 5456-3:1999**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 5456-3

July 1999

ICS 01.100.10

English version

Technical drawings - Projection methods - Part 3: Axonometric  
representations (ISO 5456-3:1996)

Dessins techniques - Méthodes de projection - Partie 3:  
Représentations axonométriques (ISO 5456-3:1996)

Technische Zeichnungen - Projektionsmethoden - Teil 3:  
Axonometrische Darstellungen (ISO 5456-3:1996)

This European Standard was approved by CEN on 27 May 1999.

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 Central Secretariat 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 Central Secretariat 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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Page 2  
EN ISO 5456-3:1999

## 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) has been taken over as an European Standard by CEN/CS.

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 January 2000, and conflicting national standards shall be withdrawn at the latest by January 2000.

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 5456-3:1996 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 10209-2	1993	Technical product documentation - Vocabulary - Part 2: Terms relating to projection methods	EN ISO 10209-2	1996

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# INTERNATIONAL STANDARD

**ISO**  
**5456-3**

First edition  
1996-06-15

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## Technical drawings — Projection methods —

### Part 3: Axonometric representations

**iTeh STANDARD PREVIEW**

*Dessins techniques — Méthodes de projection —  
(standards.iteh.ai)  
Partie 3: Représentations axonométriques*

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Reference number  
ISO 5456-3:1996(E)

## ISO 5456-3:1996(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.

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International Standard ISO 5456-3 was prepared by Technical Committee ISO/TC 10, *Technical drawings, product definition and related documentation*, Subcommittee SC 1, *Basic conventions*.

ISO 5456 consists of the following parts, under the general title *Technical drawings — Projection methods*:

- Part 1: *Synopsis*
- Part 2: *Orthographic representations*
- Part 3: *Axonometric representations*
- Part 4: *Central projection*

Annex A of this part of ISO 5456 is for information only.

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## Introduction

Axonometric representations are simple pictorial representations obtained by projecting the object to be represented from an infinitely distant point (projection centre) on a single projection plane (normally the drawing surface). This kind of parallel projection gives an adequate approximation for distant views.

The resulting representation depends on the shape of the object and on the relative positions of the projection centre, the projection plane and the object itself.

Among the infinite possibilities of axonometric representation, only a few types are recommended for technical drawings in all fields of technical activities (mechanical, electrical, construction, etc.).

Axonometric representations are not as commonly used in technical drawings as are orthographic representations.

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