SLOVENSKI STANDARD
SIST EN ISO 216:2002

01-maj-2002

Nadomeġļa:
SIST EN 20216:1996

Pisalni papir in nekatere vrste tiskovin - Obrezane pole - Formata A in B (ISO 216:1975)

Writing paper and certain classes of printed matter - Trimmed sizes - A and B series (ISO 216:1975)

Schreibpapier und bestimmte Gruppen von Drucksachen - Endformate - A- und B-Reihen (ISO 216:1975)

SIST Preview
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Papiers d'écriture et certaines catégories d'imprimés - Formats finis - Series A et B (ISO 216:1975)

SIST EN ISO 216:2002
https://ecommerce.sist.si/catalog/standards/sist/a3ff6329-6575-4768-a69f-e532723132de/sist-en-iso-216-2002

Ta slovenski standard je istoveten z: **EN ISO 216:2001**

ICS:

85.080.10	Pisarniški papir	Office paper

SIST EN ISO 216:2002 **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 216

October 2001

ICS 85.080

Supersedes EN 20216:1990

English version

Writing paper and certain classes of printed matter - Trimmed sizes - A and B series (ISO 216:1975)

Papiers d'écriture et certaines catégories d'imprimés - Formats finis - Series A et B (ISO 216:1975)

Schreibpapier und bestimmte Gruppen von Drucksachen - Endformate - A- und B- Reihen (ISO 216:1975)

This European Standard was approved by CEN on 4 October 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

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Ref. No. EN ISO 216:2001 E

SIST EN ISO 216:2002

CORRECTED 2001-12-05

Foreword

The text of the International Standard from Technical Committee ISO/TC 6 "Paper, board and pulps" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 172 "Pulp, paper and board", the secretariat of which is held by DIN.

This European Standard supersedes EN 20216:1990.

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 216:1975 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.

Publication	Year	Title	EN	Year
ISO 187	1990	Paper, board and pulps – Standard atmosphere for conditioning and testing and procedure monitoring the atmosphere and conditionally quality	EN 20187	1993

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INTERNATIONAL STANDARD 216

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Writing paper and certain classes of printed matter — Trimmed sizes — A and B series

Papiers d'écriture et certaines catégories d'imprimés — Formats finis — Séries A et B

First edition — 1975-05-15

SIST Preview
(https://ecommerce.sist.si)
SIST EN ISO 216:2002
https://ecommerce.sist.si/catalog/standards/sist/a3ff6329-6575-4768-a69f-e532723132de/sist-en-iso-216-2002

UDC 676.232-416 (ISO) **Ref. No. ISO 216-1975 (E)**

Descriptors : papers, writing papers, printed forms, dimensions.

Price based on 3 pages

SIST EN ISO 216:2002

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 6 has reviewed ISO Recommendation R 216 and found it suitable for transformation. International Standard ISO 216 therefore replaces ISO Recommendation R 216-1961 to which it is technically identical.

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ISO Recommendation R 216 was approved by the Member Bodies of the following countries :

Austria	India	Sweden
Belgium	Israel	Switzerland
Burma	Japan	Turkey
Chile	New Zealand	United Kingdom
Czechoslovakia	Norway	U.S.S.R.
Denmark	Poland	Yugoslavia
Germany	Portugal	
Greece	Romania	

The Member Bodies of the following countries expressed disapproval of the Recommendation on technical grounds :

France*
Ireland*

The Member Bodies of the following countries disapproved the transformation of ISO/R 216 into an International Standard :

Canada	Norway
Finland	U.S.A.
New Zealand	

* Subsequently, these Member Bodies approved the Recommendation.

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Printed in Switzerland

SIST EN ISO 216:2002

Writing paper and certain classes of printed matter — Trimmed sizes — A and B series

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the trimmed sizes of writing paper and certain classes of printed matter.

It applies to trimmed sizes of paper for administrative, commercial and technical use, and also to certain classes of printed matter, such as forms, catalogues, etc.

It does not necessarily apply to newspapers, published books, posters or other special items which may be the subject of separate International Standards.

iTeh Standards Preview (https://ecommerce.sist.si)

2 REFERENCE

ISO/R 187, *Method for the conditioning of paper and board test samples.*

SIST EN ISO 216:2002 https://standards.iteh.ai/catalog/standards/sist/...-6575-4768-a69f-e5327231324e/sist-en-iso-216-2002

3 UNDERLYING PRINCIPLES

3.1 **Basic principles** (regularly derived sizes)

The system of paper sizes is built on the following basis : each normal series (regularly derived sizes) consists of a range of sizes formed in such a manner that each size is achieved by dividing the size immediately above it into two equal parts, the division being parallel to the shorter side (the halving principle). Consequently the areas of two successive sizes are in the ratio 2 : 1 (see figure 1).

All the sizes in each series are geometrically similar to one another (the principle of similarity) (see figure 2). This requirement, combined with that explained in the preceeding paragraph, gives the following equation for the sides x and y of a given size (see figure 3) :

$$y : x = \sqrt{2} : 1 = 1{,}414 \qquad \ldots (1)$$

In other words, the ratio between the sides x and y is equal to the ratio between the side and the diagonal of a square.

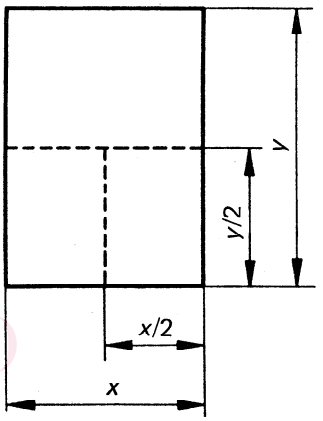


FIGURE 1

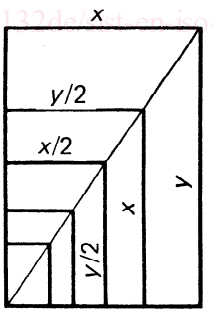


FIGURE 2

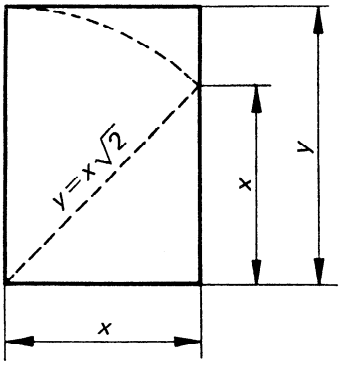


FIGURE 3

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3.2 System of measurement

These sizes are based on the metric system of measurement.

3.3 Main series (ISO-A series)

The basic size of the A series (A0) has an area of 1 m^2; the following equation therefore appplies :

$$x \times y = 1\ m^2 \qquad \ldots (2)$$

The equations (1) and (2) give the following lengths of the sides for the basic size of the A series :

$$x = 0{,}841\ m$$

$$y = 1{,}189\ m$$

The main series of sizes is arrived at by taking the basic size described above and applying the principles explained in 3.1.

This series is designated : ISO-A series.

3.4 Subsidiary series (ISO-B series)

A subsidiary series of sizes is obtained by placing the geometrical means between adjacent sizes of the A series in sequence.

This series is designated : ISO-B series.

3.5 Long sizes (specially derived)

Long sizes are obtained by dividing any appropriate regularly derived sizes from the two series previously mentioned into 3, 4 or 8 equal parts, parallel with the shorter side, in such a manner that the ratio between the longer and the shorter side is greater than $\sqrt{2}$.

4 DESIGNATION OF TRIMMED SIZES

4.1 Each trimmed size in the main and the subsidiary series is designated by a letter followed by a number.

The letter (A or B) indicates the series of sizes, and the number indicates the number of divisions that have been made (according to the rules of 3.1) starting from the basic size, which has been given the number 0.

For example, size A4 corresponds to size A0 divided four times.

4.2 Trimmed long sizes are designated by the original size preceded by the fraction into which this has been divided.

For example, 1/4 A4 corresponds to the size A4 (210 mm × 297 mm), divided into four equal parts, parallel to the 210 mm side.

5 TRIMMED SIZES

5.1 Main series of trimmed sizes (ISO-A series)

The trimmed sizes of the A series are intended for all kinds of stationery and printed matter as specified in clause 1. These sizes are as follows* :

Designation	millimetres
A0	841 × 1 189
A1	594 × 841
A2	420 × 594
A3	297 × 420
A4	210 × 297
A5	148 × 210
A6	105 × 148
A7	74 × 105
A8	52 × 74
A9	37 × 52
A10	26 × 37

* The rarely used sizes which follow also belong to this series :

4A0 : 1 682 mm × 2 378 mm
2A0 : 1 189 mm × 1 682 mm

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5.2 Subsidiary series of trimmed sizes (ISO-B series)

The trimmed sizes of the B series are intended for use only in exceptional circumstances, when sizes are needed intermediate between any two adjacent sizes of the A series.

These sizes are as follows :

Designation	millimetres
B0	1 000 × 1 414
B1	707 × 1 000
B2	500 × 707
B3	353 × 500
B4	250 × 353
B5	176 × 250
B6	125 × 176
B7	88 × 125
B8	62 × 88
B9	44 × 62
B10	31 × 44