



SLOVENSKI STANDARD
SIST ISO 1009:2011

01-julij-2011

Fotografija - Dimenzije papirja - Zvitki za tiskalnike

Photography - Paper dimensions - Rolls for printers

Photographie - Dimensions des papiers - Rouleaux pour tireuses

Ta slovenski standard je istoveten z: ISO 1009:2000

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ICS:

37.040.20	Fotografski papir, filmi in fotografske plošče. Filmski zvitki	Photographic paper, films and cartridges
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INTERNATIONAL STANDARD

ISO 1009

Third edition
2000-12-15

Photography — Paper dimensions — Rolls for printers

Photographie — Dimensions des papiers — Rouleaux pour tireuses

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Reference number
ISO 1009:2000(E)

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Printed in Switzerland

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ISO 1009:2000(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 1009 was prepared by Technical Committee ISO/TC 42, *Photography*.

This third edition cancels and replaces the second edition (ISO 1009:1992), of which it constitutes a technical revision. References to inches have been removed and minor technical changes have been made to a tolerance in Table 1 as well as splices, core internal diameter, and package marking.

Annexes A and B of this International Standard are for information only.

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Photography — Paper dimensions — Rolls for printers

1 Scope

This International Standard specifies the aim and tolerance values for the nominal widths of rolls of black-and-white and colour photographic papers for use in contact and projection printers.

It also specifies splice parameters, core dimensions, requirements for winding, and package marking.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 1:1975, *Standard reference temperature for industrial length measurements*.

ISO 554:1976, *Standard atmospheres for conditioning and/or testing — Specifications*.

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3 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

3.1

aim dimension

preferred dimension at which the manufacturing process should be aimed or designed

3.2

core

physical mass, which serves as the central part of a wound roll of paper, that has no flanges at its ends and is generally cylindrical

3.3

nominal size

size reference that appears on product labels and in catalogues

3.4

preferred sizes

industry standard sizes, determined by most frequent user demand (number of units) and product volume (square metres)

NOTE Designers of new equipment are encouraged to use preferred sizes whenever possible.

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3.5 recognized sizes
 sizes that are significant in the industry, but are not so generally used that they are selected as preferred sizes

NOTE This category assists the reader to understand the requirements for certain sizes that may have been once preferred and are becoming less popular, or are new and are becoming more popular.

3.6 splice
 union of two pieces of material, joined to form a single piece

4 Conditions for measurement of dimensions

The dimensions and tolerances specified in this International Standard shall apply at the time of manufacture, measured under atmospheric conditions of $(23 \pm 2) ^\circ\text{C}$ and $(50 \pm 5) \%$ relative humidity, as specified in ISO 554 (see annex A).

All measuring instrument calibrations shall be conducted at a temperature of $20 ^\circ\text{C}$ (as specified in ISO 1) and a relative humidity of 50 %.

5 Paper widths

5.1 Preferred widths

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Aim and tolerance values for preferred roll widths shall conform to the specifications given in Table 1. New equipment should be designed to accept only the preferred-width rolls specified in Table 1.

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Table 1 — Preferred widths

Nominal width cm	Aim width mm	Tolerance mm
8,9	88,7	+0,2 ^a -0,4
10,2	101,4	$\pm 0,2$
12,7	126,6	$\pm 0,4$
15,2	151,6 ^b	$\pm 0,4$
20,3	202,8	$\pm 0,4$
25,4	253,6	$\pm 0,4$
27,9	278,6	$\pm 0,8$

^a This tolerance is not in accordance with the rule described in Table 3.

^b This aim width is not in accordance with the rule described in the note of Table 3.

5.2 Recognized widths

Aim and tolerance values for temporarily recognized roll widths shall conform to the specifications given in Table 2.

Table 2 — Recognized widths

Nominal width cm	Aim width mm	Tolerance mm
8,2	82,3	± 0,2
9,5	95,0	± 0,2

5.3 Slitting and tolerance rules

Widths of rolls that do not comply with the specifications given in Tables 1 and 2 shall conform with the aim and tolerance specifications given in Table 3.

Table 3 — Slitting and tolerance rules for widths not listed in Tables 1 and 2

Nominal width cm	Aim width mm	Tolerance mm
Less than or equal to 12	Nominal minus 0,2	± 0,2
Greater than 12; less than or equal to 26	Nominal minus 0,4	± 0,4
Greater than 26; less than or equal to 65	Nominal minus 0,8	± 0,8
Greater than 65	Nominal minus 1,2	± 1,2
NOTE For nominal widths originally in inch units, the following value should be used (expressed to 0,1 mm units): (nominal value in inch units) × 25,4.		

6 Length of rolls

The useable lengths of rolls shall not be less than their nominal lengths; however, nominal roll lengths are not specified in this International Standard.

7 Splices

7.1 Number of splices

A maximum of one splice per roll is preferred, regardless of length; however, up to two splices are recognized in rolls longer than 100 m, up to three in rolls longer than 250 m, and up to four splices in rolls longer than 350 m.

7.2 Splicing material requirements

The splicing material shall be chemically inert to photographic processing solutions, and physically unimpaired by the processing treatment and by stresses imposed during subsequent mechanical and manual operations.