

INTERNATIONAL STANDARD

**ISO
1008**

Second edition
1992-01-15

Photography — Paper dimensions — Pictorial sheets

*Photographie — Dimension des papiers — Papiers en feuilles pour usage
général*



Reference number
ISO 1008:1992(E)

ISO 1008:1992(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 1008 was prepared by Technical Committee ISO/TC 42, *Photography*.

This second edition cancels and replaces the first edition (ISO 1008:1973), and ISO 1010:1973, which have been technically revised and consolidated.

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

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Introduction

This International Standard is a revision and consolidation of ISO 1008:1973, dealing with sizes of black-and-white papers in sheets, and ISO 1010:1973, dealing with sizes of colour papers in sheets.

Photography — Paper dimensions — Pictorial sheets

1 Scope

This International Standard specifies the nominal sizes and aim dimensions, with their cutting tolerances, of black-and-white and colour photographic papers in sheets (negative-positive or reversal processes) for pictorial use.

It also specifies a method for checking the squareness of the sheets and straightness of their edges, and establishes a rule for package marking.

The term "pictorial" means use in amateur, commercial and portrait photography, and excludes specific uses such as documentary reproduction, photocomposition or graphic arts.

In this International Standard, metric units are prime.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard 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 1:1975, *Standard reference temperature for industrial length measurements*.

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

3 Conditions for measurement of dimensions

The dimensions and tolerances specified in this International Standard 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 554¹⁾ (see annex A).

4 Dimensions

4.1 Preferred sizes

Nominal and aim dimensions for preferred sizes shall conform to the values given in table 1.

Table 1 — Preferred sizes of sheets

Nominal cm	Aim mm
8,9 × 12,7	89 × 127
10,5 × 14,8 ¹⁾	105 × 148
12,7 × 17,8	127 × 178
17,8 × 24	178 × 240
20,3 × 25,4	203 × 254
21 × 29,7	210 × 297
21,6 × 27,9	216 × 279
24 × 30,5	240 × 305
25,4 × 30,5	254 × 305
27,9 × 35,6	279 × 356
30,5 × 40,6	305 × 406
40,6 × 50,8	406 × 508
50,8 × 61	508 × 610

1) Size designated as nominal A6 size.

1) All measuring instrument calibrations should be referred to a temperature of 20 °C as specified in ISO 1 and a relative humidity of 50 %.

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4.2 Cutting and tolerance rules for metric sizes

The cutting and tolerance rules for current sizes of sheets shown in table 1, and for new metric sizes, shall be as shown in table 2.

Table 2 — Cutting and tolerance rules for metric sizes of sheets

Nominal (N) cm	AIM	Tolerance mm
$N \leq 12$	N	± 1
$N > 12$	N	± 2

5 Squareness and edge straightness

Squareness, edge straightness, shape and compliance with dimensions shall be checked at the same time by comparison of any given sheet with two perfect rectangles, independently located, one made to the minimum dimensional tolerance specified in this International Standard and the other to the maximum tolerance. No point on the perimeter of the sheet shall fall within the smaller rectangle nor shall any point fall outside the larger rectangle.

6 Package marking**6.1 Data**

Sufficient data shall be given on the package to ensure correct usage of the product.

Packages are marked for the purpose of identifying

a) product name and size;

b) conditions of use (such as safelight);

c) conditions of shipping and storage.

Any given level of packaging fulfils one or more of these functions and shall be identified accordingly, using appropriate entries from the following list²⁾:

- product name or trade name. For unit packages, the markings shall be legible under recommended safelight conditions (other than total darkness);
- name or trade mark of the manufacturer;
- manufacturer's catalogue identification number;
- bar code information;
- quantity of units contained in the package (see annex B);
- nominal product dimensions, in metric units, with the width first;
- batch number and/or parent roll number;
- expiration date or "develop before" date or inventory control code;
- manufacturer's recommended safelight conditions³⁾;
- manufacturer's recommended storage conditions³⁾.

6.2 Compliance

If it is desired to indicate compliance of the product with this International Standard, the following wording shall be used:

"COMPLYING WITH ISO 1008"

2) There may be legal requirements in certain countries for other data to be marked on the package.

3) This may be indicated by wording or by a code.

Annex A (informative)

Dimensional stability

The dimensions and tolerances specified (see tables 1 and 2) apply to the paper at the time of manufacture and when measured in equilibrium with the standard atmosphere specified in ISO 554: temperature $(23 \pm 2) ^\circ\text{C}$, relative humidity $(50 \pm 5) \%$.

These dimensions may be altered by permanent ageing shrinkage, and by temporary shrinkage or swell, since they will change with the moisture content and the temperature of the atmosphere.

For "non resin-coated" paper, the dimensional variation can reach as much as 0,3 % for a 10 % change in relative humidity.

Nevertheless, at the time of package opening, within the warranty period of the paper, dimensions measured under atmospheric conditions of temperature $(23 \pm 2) ^\circ\text{C}$, and relative humidity $(50 \pm 5) \%$, should not depart from those at the time of manufacture by more than $\pm 0,20 \%$.

The conditioning of a sample of paper in the standard atmospheric conditions requires a minimum of 8 h for non resin-coated paper and 14 days for resin-coated paper (see ISO 6221:1991, subclause 5.3.2)⁴⁾.

Annex B (informative)

Quantity packaging

It is recommended that the number of sheets of paper in a single package, or a unit of a multiple package, be chosen from the following list:

10 — 25 — 50 — 100 — 250 — 500 sheets

4) ISO 6221:1991, *Photography — Films and papers — Determination of dimensional change*.

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