

INTERNATIONAL STANDARD

**ISO
6407**

First edition
1992-01-15

Photography — Film dimensions — Graphic arts

Photographie — Dimensions des films arts graphiques



Reference number
ISO 6407:1992(E)



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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 6407 was prepared by Technical Committee ISO/TC 42, *Photography*.

Annex A forms an integral part of this International Standard. Annexes B and C are for information only.

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Photography — Film dimensions — Graphic arts

1 Scope

This International Standard specifies the nominal sizes and aim dimensions, with their cutting tolerances, of photographic films in sheets and rolls used for graphic arts.

It also specifies the requirements for shape of sheets, core dimensions and winding for films in rolls, and package marking.

It does not apply to films for documentary reproduction.

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 216:1975, *Writing paper and certain classes of printed matter — Trimmed sizes — A and B series*.

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 B).

4 Films in sheets

4.1 Dimensions

4.1.1 Preferred sizes

Nominal and aim dimensions for preferred sizes shall conform to the values given in tables 1 and 2.

Table 1 lists preferred sizes currently in use.

Table 2 lists "A" sizes derived from writing paper series, specified in ISO 216, and which will be used increasingly in the future. The "A + margin" series is described in annex A.

Table 1 — Preferred sizes of films in sheets

Nominal cm	Aim mm
9 × 12	88,5 × 118,5
13 × 18	128,0 × 178,0
18 × 24	178,0 × 238,0
24 × 30	238,0 × 298,0
30 × 40	298,0 × 398,0
40 × 50	398,0 × 498,0
50 × 60	498,0 × 598,0

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