INTERNATIONAL STANDARD

ISO 14548

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Photography — Dimensions of glass plates

Photographie — Dimensions des plaques de verre

Reference numbe
ISO 14548:1998(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 14548 was prepared by Technical Committee ISO/TC 42, *Photography*.

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Introduction

This is a new International Standard for the purpose of documenting dimensions of glass plates.

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.

Photography — Dimensions of glass plates

1 Scope

This International Standard specifies the nominal sizes of photographic glass plates, together with cutting dimensions and their tolerances. It also specifies the nominal substrate thicknesses and their tolerances.

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

3.1 Dimensions

The dimensions and tolerances specified in this International Standard shall apply at the time of manufacture (except where specifically stated otherwise), when measured under atmospheric conditions of (23 ± 2) °C and (50 ± 5) % relative humidity, as specified in ISO 554.

3.2 Calibration of measuring instruments

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

4 Dimensions

4.1 Cutting dimensions

Cutting dimensions and tolerances of plates shall conform to the values given in tables 1 and 2.

4.2 Substrate thickness

Substrate thicknesses of glass plates shall conform to the values given in table 3.

5 Squareness

Squareness, edge straightness, shape and compliance with specified dimensions shall be checked at the same time by comparison of any given plate with two perfect rectangles, independently located, one made according to the minimum dimensional tolerance specified in this International Standard, and the other according to the maximum tolerance. No point on the perimeter of the plate shall fall within the smaller rectangle. No point shall point fall outside the larger triangle.

6 Package marking

Sufficient data shall be provided on a product's packaging to inform the user of proper use and handling.

Product packaging shall be marked so as to indicate

a) product name and size,

b) conditions of use (such as safelight), and

c) conditions of shipping and storage.

To accomplish this, each of the packages which constitute the product's packaging should be marked so as to indicate one or more of the following[1)] :

— product name or trade name;

— nominal product size with the smaller dimension first;

— quantity of units contained in the package;

— name or trade mark of manufacturer;

— expiration date or "develop before" date;

— manufacturer's recommended safelight conditions;

— manufacturer's recommended storage conditions;

— appropriate processing/recommended processing conditions.

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

Table 1 — Preferred sizes of plates

Dimensions in millimetres

Nominal size	Dimensions		
	minimum	aim	maximum
65 x 90	63,5 x 88,5	64,0 x 89,0	64,5 x 89,5
100 x 100	100,8 x 100,8	101,2 x 101,2	101,6 x 101,6
100 x 130	100,1 x 125,5	100,8 x 126,2	101,6 x 127,0
100 x 250	99,5 x 252,4	100,3 x 253,2	101,2 x 254,0
130 x 130	126,2 x 126,2	126,6 x 126,6	127,0 x 127,0
355 x 430	354,8 x 431,0	355,6 x 431,8	356,4 x 356,4
430 x 430	431,0 x 431,0	431,8 x 431,8	432,6 x 432,6
510 x 610	506,4 x 607,4	508,0 x 609,0	509,6 x 611,6
572,2 x 668,7	571,4 x 667,9	572,2 x 668,7	573,0 x 669,5
610 x 810	607,4 x 810,4	609,2 x 812,4	611,1 x 814,3
710 x 810	709,7 x 811,3	711,2 x 812,8	712,7 x 814,3
810 x 1 090	811,3 x 1 090,7	812,8 x 1 092,2	814,3 x 1 093,7

Table 2 — Recognized sizes of plates

Dimensions in millimetres

Nominal size	Dimensions		
	minimum	aim	maximum
76 x 76	75,4 x 75,4	75,8 x 75,8	76,2 x 76,2
150 x 330	151,2 x 328,6	152,0 x 330,0	152,4 x 330,6
200 x 254	201,7 x 252,5	202,4 x 253,2	203,2 x 254,0
280 x 406	277,8 x 404,8	279,4 x 406,4	281,0 x 408,0
762 x 1 016	760,4 x 1 014,4	762,0 x 1 016,0	763,6 x 1 017,6

Table 3 — Substrate thickness of plates

Dimensions in millimetres

Nominal substrate thickness	Substrate thickness	
	minimum	maximum
1,0	0,76	1,12
1,6	1,45	1,83
2,3	2,03	2,51
3,3	2,87	3,50
5,0	4,57	5,20