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Australian Standard 1933—1981

SIZES OF PHOTOGRAPHIC FILM FOR USE IN GRAPHIC ARTS AND REPROGRAPHY

[Title allocated by Defence Cataloguing Authority—
FILM PHOTOGRAPHIC (Sizes Used in Graphic Arts and Reprography)]



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Australasian Institute of Radiography
Australasian Society of X-ray Technology
Australian Chamber of Commerce
Australian Institute for Non-destructive Testing
Australian Newspapers Council
Graphic Arts Services Association of Australia
Institute of Australian Photography
Lithographic Institute of Australia
Photographic Industrial Marketing Association of Australia
Royal Australasian College of Radiologists

This standard, prepared by Committee MS/23, Photography, was approved on behalf of the Council of the Standards Association of Australia on 25 November 1980, and was published on 1 March 1981.

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This standard was issued in draft form for public review as DR 79085.

AUSTRALIAN STANDARD

SIZES OF PHOTOGRAPHIC FILM FOR USE IN GRAPHIC ARTS AND REPROGRAPHY

AS 1933—1981

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PREFACE

In 1976 a 'standard for development', AS 1933D, was issued for sizes of photographic film for use in graphic arts and reprography. It was prepared by the Photography Sector Committee of the Metric Conversion Board and taken up by the Standards Association of Australia for issue as a standard for development, with the intention that it would be reviewed within 2 years, in the light of experience gained with its use.

In 1978 the Standards Association of Australia formed a Committee on Photography. This committee has prepared this edition of this standard, which accordingly supersedes AS 1933D—1976.

During the preparation of this standard, the following international and national standards were considered and acknowledgement is made of the assistance received therefrom*:

- | | |
|-----------------------|---|
| ISO 554 | Standard Atmospheres for Conditioning and/or Testing—Specifications |
| BS 5128: 1974 | Sizes of Film for Graphic Arts Use |
| ANSI PH 1.16—1973 | Dimensions for Graphic Arts Sheet and Roll Films |
| DIN 4518, Part 1—1973 | Photosensitive Materials for Reprographic Use; Dimensions; Silver Halide Type |

This standard may require reference to the following Australian standards:

- | | |
|---------|---|
| AS 1100 | Drawing Practice
Part 4—Layout of Drawing Sheets |
| AS 1612 | Paper Sizes |

*ISO—International Organization for Standardization.
 BS—British Standard.
 ANSI—American National Standards Institute.
 DIN—Deutsches Institut für Normung.

CONTENTS

	<i>Page</i>
SPECIFICATION	
1 Scope	3
2 Application	3
3 Sizes	3
4 Shape of Sheets	3
5 Sheets per Package	3
6 Cores for Roll Film	3
7 Marking	3

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

SIZES OF PHOTOGRAPHIC FILM FOR USE IN GRAPHIC ARTS
AND REPROGRAPHY

1 SCOPE. This standard specifies the nominal sizes and related information, including dimensions, shape, cores, sheets per package and marking, for photographic film in sheet or roll form for use in graphic arts and reprography.

2 APPLICATION. This standard applies to photographic film intended for general use in the graphic arts and includes films for drawing and document reproduction. It does not include film sizes specially intended for phototypesetting, or for electronic scanning processes.

3 SIZES. The nominal sizes, cutting dimensions and tolerances shall conform to those given in Tables 1 and 2 for sheet film, and in Tables 3 and 4 for roll film. The dimensions and tolerances specified apply to film in equilibrium with air at $23 \pm 2^\circ\text{C}$ and 50 ± 5 percent relative humidity.

4 SHAPE OF SHEETS. Sheets shall be rectangular, with straight smooth edges which lie wholly within a plane rectangle having sides equal to the upper limits of the width and length cutting dimensions for the relevant size of film.

5 SHEETS PER PACKAGE. A package may contain any of the following numbers of sheets of film:

25, 50, 100, 150 or 300.

6 CORES FOR ROLL FILM.

6.1 Internal Diameter. The core internal diameter shall be 71.2 ± 0.7 mm, with the exception of

particular equipment, for which cores of internal diameter of 25 mm, 29 mm and 76 mm may be supplied.

6.2 Length. The core overall length shall be the film width cutting dimension, $+ 0 - 2$ mm.

7 MARKING. Each package of film shall be marked with the following information:

- (a) The film's nominal size, as shown in Tables 1 to 4.
- (b) The number of sheets or rolls (if more than one) in the package.
- (c) The product brand name, as given by the manufacturer.
- (d) An expiry date, showing the period within which the contents can reasonably be expected to perform as claimed by the manufacturer.
- (e) In case of roll film, whether it is wound 'emulsion in' or 'emulsion out', whichever applicable.

In addition, other data relating to the properties of the film may also be stated on the package, e.g. batch number, recommendations regarding its storage, use or safelight conditions.

NOTES:

1. Statutory authorities may require additional marking on the packages.
2. Manufacturers who place the number of this Australian standard on the film, packaging or literature related thereto should ensure that the film is manufactured to comply with the standard.

TABLE 1
SIZES OF SHEET FILM FOR GENERAL GRAPHIC ARTS USE

Nominal size cm	Cutting dimensions, mm*	
	Width	Length
13 × 18	128	178
18 × 24	178	238
24 × 30	238	298
28 × 35	277	354
30 × 40	298	398
30 × 44	298	438
35 × 43	354	430
40 × 50	398	498
44 × 61	438	608
50 × 61	498	608

*Tolerances ± 1 mm.