

Revised

INTERNATIONAL STANDARD



2707

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Transparent A6 size microfiche of uniform division — Image arrangements No. 1 and No. 2

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2707 (originally Draft International Standards ISO/DIS 2706 and 2707) was drawn up by Technical Committee ISO/TC 46, *Documentation*, and circulated to the Member Bodies in March 1972.

It has been approved by the Member Bodies of the following countries :

Belgium	Germany	Poland (DIS 2706)
Brazil	Hungary	Romania
Canada	India	South Africa, Rep. of
Czechoslovakia	Iran	Sweden
Denmark	Israel	Thailand
Egypt, Arab Rep. of	Italy	Turkey
Finland	Netherlands	United Kingdom
France	New Zealand	U.S.A.

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Austria
Japan
Poland (DIS 2707)
Switzerland

Transparent A6 size microfiche of uniform division – Image arrangements No. 1 and No. 2

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the characteristics of a transparent A6 size microfiche, with image arrangements "No. 1" and "No. 2" intended for international interchange of information and for micropublishing. Depending on requirements, this microfiche may be negative or positive.

2 REFERENCES

ISO/R 446, *Microcopies, legibility tests – Description of the ISO [No. 1] mire (ISO test object) and its use in photographic document reproduction.*

ISO 3334, *Method for determining the resolution obtained in microcopying – ISO No. 2 mire (ISO test object).**

3 PHYSICAL CHARACTERISTICS

3.1 Dimensions (See Figures 1 and 2)

The overall size shall be :

$$105 \begin{smallmatrix} 0 \\ -0,25 \end{smallmatrix}^{**} \text{ mm} \times 148 \begin{smallmatrix} 0 \\ -0,5 \end{smallmatrix}^{**} \text{ mm}$$

The left and lower margins shall have a width of 4 mm.

The dimensions of the frames shall be as follows :

Image arrangement No. 1

- single frame : 11,75 mm × 16,5 mm (Figure 1);
- double frame : 16,5 mm × 23,5 mm (Figure 1).

Image arrangement No. 2

- single frame : 10 mm × 12,5 mm (Figure 2);
- double frame : 12,5 mm × 20 mm (Figure 2).

3.2 Thickness

The thickness of the film used for the microfiche shall be not greater than 0,22 mm.

4 REQUIREMENTS

4.1 The heading area above the image area of each microfiche shall be reserved for identification references to be legible without magnification.

4.2 Each of the image areas (82,5 mm × 141 mm and 87,5 mm × 140 mm) corresponding to image arrangements No. 1 and No. 2, may be divided as follows :

Image arrangement No. 1

- single frame : 5 rows of 12 images, giving 60 images (see Figure 1);
- double frame : 5 rows of 6 images, giving 30 images (see Figure 1).

Image arrangement No. 2

- single frame : 7 rows of 14 images, giving 98 images (Figure 2);
- double frame : 7 rows of 7 images, giving 49 images (Figure 2).

5 REDUCTION SCALE

The reduction scale shall be from 1:12 to 1:24 inclusive, and should be compatible with the size and graphic quality of the document.

* At present at the stage of draft.

** Manufacturing tolerances for raw film.

6 LEGIBILITY OR QUALITY OF MICROCOPIES

When a microcopy is examined as described in ISO/R 446 or ISO 3334, the characters or the patterns from a mire are to be legible on the microcopy if they have the sizes or the pattern numbers indicated in the table below for first and second generation or distribution microcopies; the latter is

a microcopy from which a copy satisfying the quality requirements can be obtained.

7 OPTICAL DENSITY

Specifications for optical density of images will be covered by a separate International Standard.

TABLE – Legibility or quality of microcopies

Reduction scale	ISO No. 1 Mire character size			ISO No. 2 Mire pattern number		
	1st generation	2nd generation	Distribution	1st generation	2nd generation	Distribution
1:24	80	90	100	5,0	4,5	4,0
1:21,2	70	80	90	5,6	5,0	4,5
1:16; 1:15	56	63	70	7,1	6,3	5,6
1:12	45	50	56	9,0	8,0	7,1

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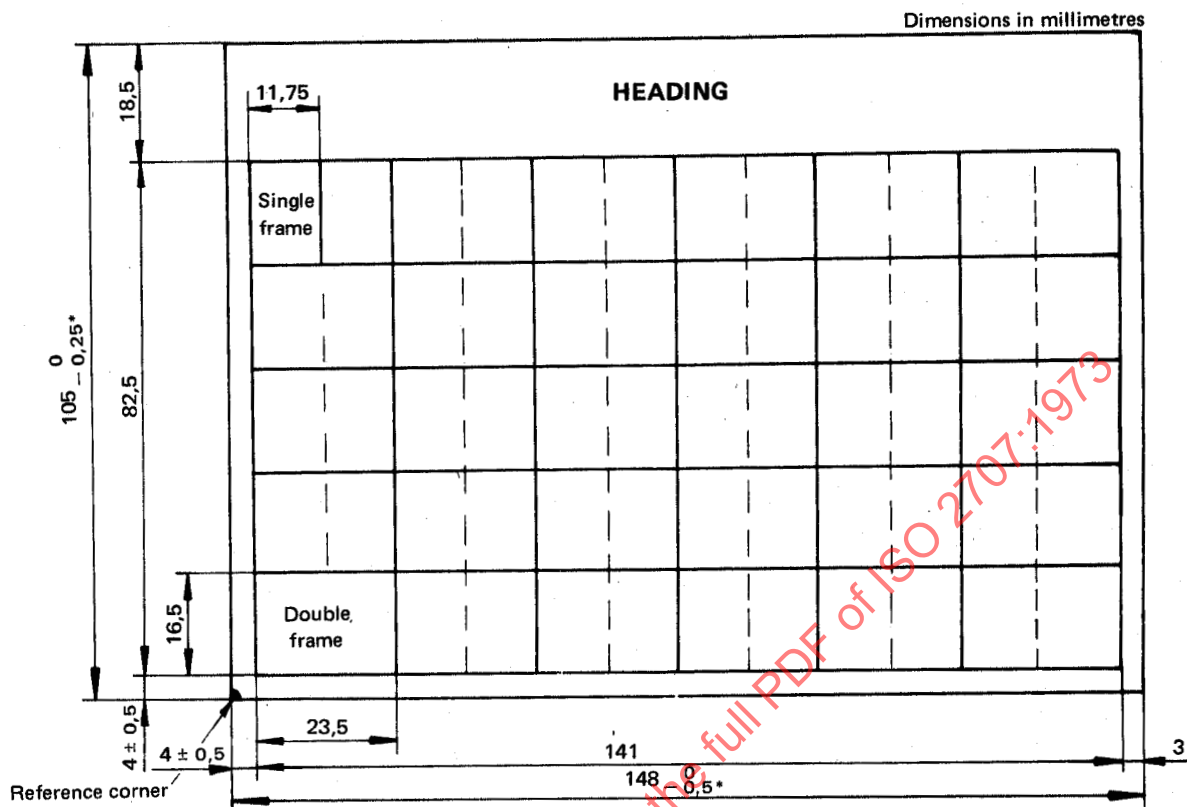


FIGURE 1 – Image arrangement No. 1

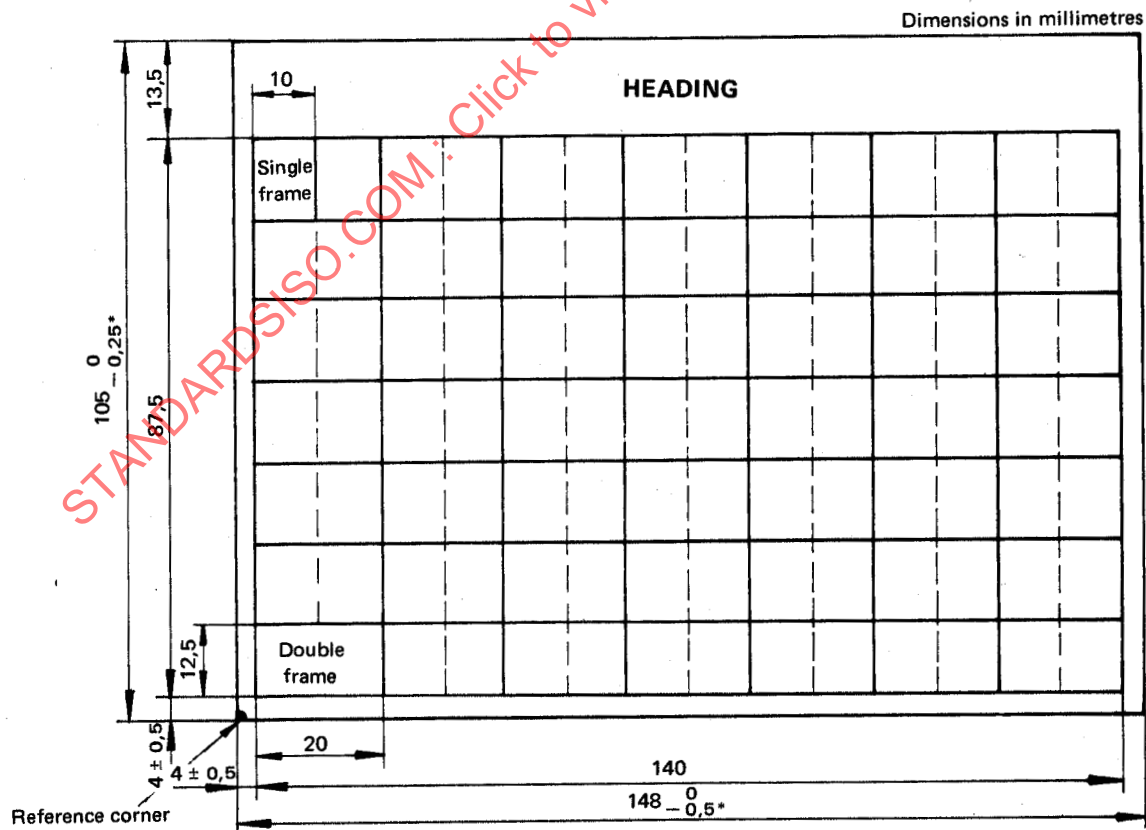


FIGURE 2 – Image arrangement No. 2

* Manufacturing tolerances for raw film.

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