

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 686

**iTeh STANDARD PREVIEW**

35 mm FILMSTRIPS

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DIMENSIONS AND FORMATS

ISO/R 686:1968

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## BRIEF HISTORY

The ISO Recommendation R 686, *35 mm Filmstrips – Dimensions and formats*, was drawn up by Technical Committee ISO/TC 42, *Photography*, the Secretariat of which is held by the United States of America Standards Institute (USASI).

Work on this question by the Technical Committee began in 1961 and led, in 1965, to the adoption of a Draft ISO Recommendation.

In September 1965, this Draft ISO Recommendation (No. 878) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Argentina	Israel	Switzerland
Australia	Italy	United Kingdom
Belgium	Japan	U.S.A.
Canada	Poland	
Czechoslovakia	South Africa,	
France	Rep. of	
Germany	Sweden	

One Member Body opposed the approval of the Draft :

U.S.S.R.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council which decided, in March 1968, to accept it as an ISO RECOMMENDATION

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## 35 mm FILMSTRIPS

### DIMENSIONS AND FORMATS

#### 1. SCOPE

This ISO Recommendation defines dimensions, general layout and material for 35 mm perforated filmstrips carrying transparent pictures for filmstrip projection. It does not cover details regarding mask opening of the filmstrip projector.

#### 2. DESIGN OF FILMSTRIP

##### 2.1 Width and perforation

The width and perforation of the filmstrip should meet the dimensional requirements specified for perforation Types 1, 2 and 3 of ISO Recommendation R 491, *Cutting and perforating dimensions for 35 mm motion-picture raw stock film*.

##### 2.2 Leader and trailer

Preceding the text of the title and following the end of the text, the filmstrip should be provided with a leader and a trailer with a minimum length of 200 mm (8 in) (see Fig. 1).

##### 2.3 Length

It is recommended that the length of the filmstrip be not more than 3.2 m (126 in), approximately 73 pictures with frame size 24 mm X 36 mm (see Fig. 1).

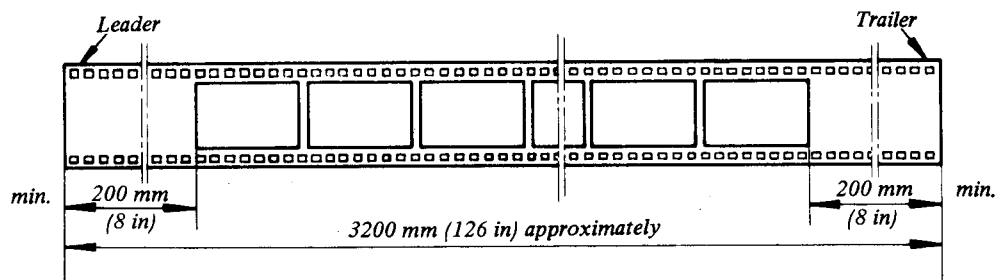


FIG. 1 – 35 mm perforated film

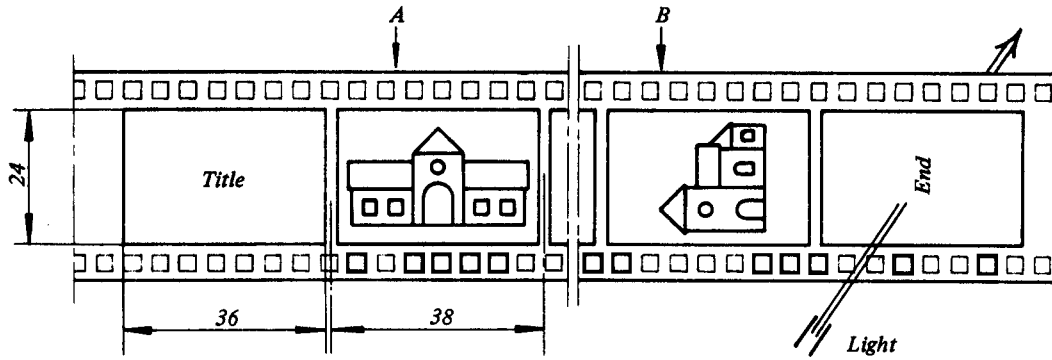
##### 2.4 Material

Safety films should be used, and should be in accordance with ISO Recommendation R 543, *Definition and marking of safety film for motion-picture uses*.

3. PICTURES

3.1 Size of picture

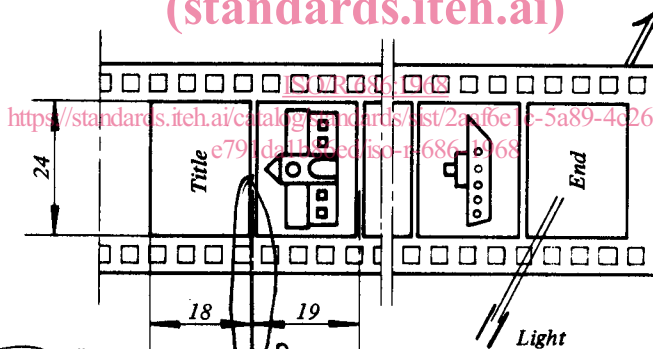
Two sizes of pictures are recommended (see Fig. 2, Fig. 3 and the Table).



*trop grand*

FIG. 2 - 24 mm X 36 mm picture

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*trop grand*

FIG. 3 - 18 mm X 24 mm picture

TABLE - Picture sizes

*align*

Picture size	Pitch	
	Number of perforations	mm
24 X 36	8	38
18 X 24	4	19

If the picture does not cover the whole frame, the remaining parts should be black. The separating space between two pictures should preferably be black.

### 3.2 Title and end texts

The filmstrip should start with the text of the title and end with the word "End". These texts should be printed in the same direction in relation to the length of the strip as the adjacent picture (see Fig. 2 and Fig. 3).

### 3.3 Position of picture

The picture frame should be centred with respect to the centre of the filmstrip with a tolerance of  $\pm 0.25$  mm (0.010 in).

The base of the picture may be located parallel ~~with~~ or perpendicular to the length direction of the filmstrip.

When viewing the filmstrip as in Figure 2, where the picture marked A appears upright and laterally correct, the title should be placed to the left. The picture marked B should have the upper edge turned towards the text of the title. The arrow gives the direction of light during normal projection on a screen.

Attention is drawn to the fact that filmstrips made for use on automatic projectors, as for example, those operated from tape recorders or record players, cannot have a mixture of pictures of both type A and type B on the same filmstrip.

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## 4. WINDING DIRECTION

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The filmstrip should be wound in such a way that it is possible to see the picture upright and laterally correct from the outside of the roll.

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