UDC 778.5

Ref. No.: ISO/R 73 - 1958 (E)

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION
R 73

CINEMATOGRAPHY
IMAGE PRODUCED BY CAMERA APERTURE AND PROJECTED IMAGE AREA FOR 35 mm FILMS

1st EDITION

December 1958

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 73, *Image Produced by Camera Aperture and Projected Image Area for 35 mm Films*, was drawn up by Technical Committee ISO/TC 36, *Cinematography*, the Secretariat of which is held by the American Standards Association, Inc. (ASA).

In April 1948, the Technical Committee Secretariat proposed the study of the question, and that the American standards Z22.59–1947 (image produced by camera aperture) and Z22.58–1947 (projected image area) be taken as a basis for discussion.

ISO/TC 36 considered the proposal at its first meeting, which was held in New York in June 1952. It entrusted the Secretariat with the drawing up of a draft proposal based on each of the two American standards, taking into account certain improvements decided upon at the meeting.

The two draft proposals were submitted in September 1954 to the members of the Technical Committee and adopted as Draft ISO Recommendations, no objection having been raised.

In May 1955, the two Draft ISO Recommendations were submitted to all the ISO Member Bodies, but Technical Committee ISO/TC 36 decided at its second meeting, held in Stockholm in June 1955, to introduce some improvements.

In March 1957, the Drafts thus amended were submitted to all the ISO Member Bodies as second Draft ISO Recommendations and were approved by the following 21 (out of a total of 38) Member Bodies:

*Australia	*Hungary	Romania
Belgium	*Ireland	Spain
*Bulgaria	Italy	Sweden
Canada	Japan	Switzerland
*Denmark	*Mexico	United Kingdom
*Germany	*New Zealand	U.S.A.
*Greece	*Portugal	U.S.S.R.

No Member Body opposed approval of the Drafts.

The two Draft ISO Recommendations were then submitted by correspondence to the ISO Council, which decided, in December 1958, to accept them as ISO RECOMMENDATIONS. On the proposal of the General Secretariat, it was decided to group the two ISO Recommendations into one.

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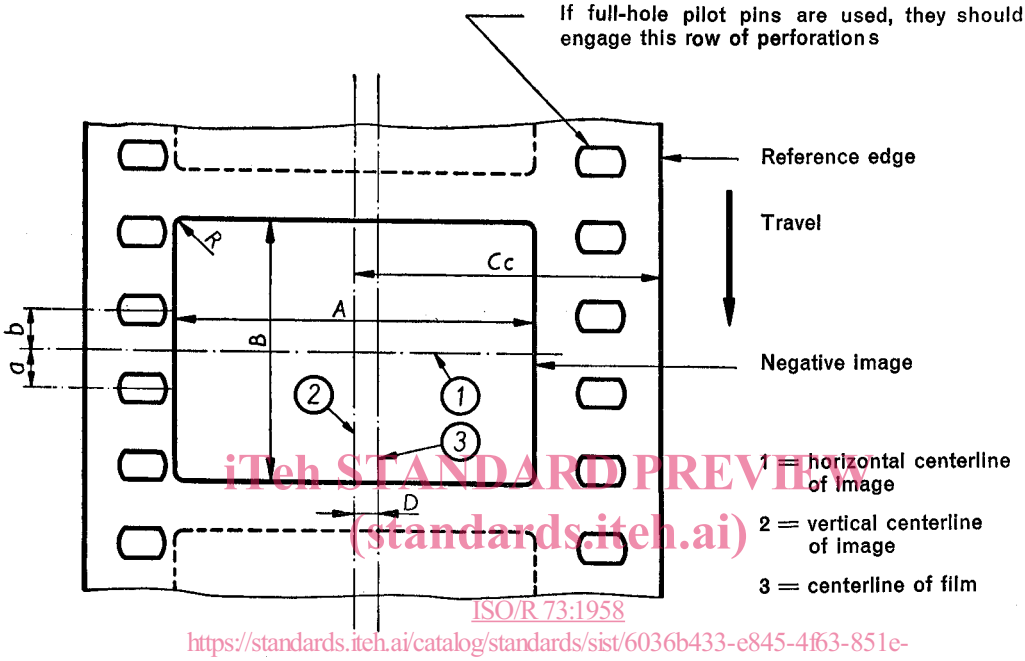
* These Member Bodies stated that they had no objection to the Drafts being approved.

ISO Recommendation R 73 December 1958

CINEMATOGRAPHY

IMAGE PRODUCED BY CAMERA APERTURE AND PROJECTED IMAGE AREA FOR 35 mm FILMS

1. Image produced by camera aperture



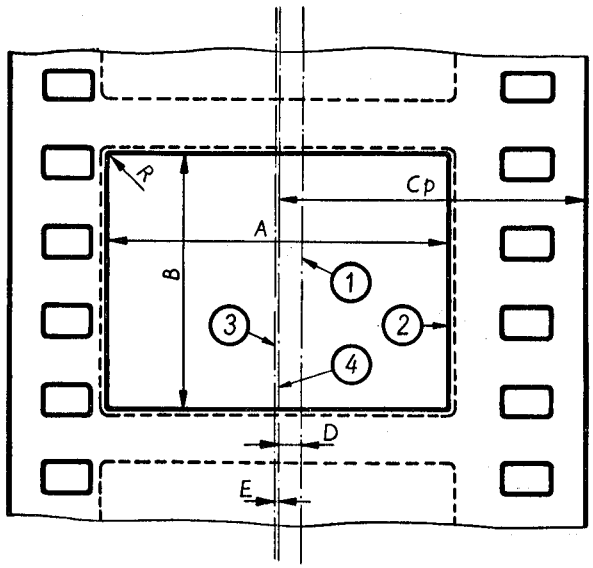
The dimensions are shown relative to unshrunk film.

Film as seen from inside the camera, looking toward the camera lens.

Dimension	Millimeters	Inches
A	22.00 $^{+\ 0.10}_{-\ 0.00}$	0.866 $^{+\ 0.004}_{-\ 0.000}$
B	16.00 $^{+\ 0.10}_{-\ 0.00}$	0.629 $^{+\ 0.004}_{-\ 0.000}$
Cc	18.75 ± 0.05	0.738 ± 0.002
D *	1.40	0.055
R **	0.8 max.	0.03 max.
$a = b \pm 0.2$ mm or $b \pm 0.008$ in.		

* Dimension *D* is determined from other standardized dimensions.
** Radius of corners.

2. Projected image area



Travel

1 = centerline of film

2 = projected image

3 = vertical centerline of image on film

4 = vertical centerline of projector aperture

Note : D is the distance between lines 1 and 4.

Film as seen from the position of the projector light source, looking toward the lens.

The dimensions are shown relative to unshrunk film.

Dimension	Millimeters	Inches
A	21.00 max.	0.827 max.
B	15.30 max.	0.602 max.
Cp	18.75 ± 0.05	0.738 ± 0.002
D *	1.24	0.049
E	0.15 max.	0.006 max.
R **	0.15 max.	0.006 max.

* Dimension *D* is determined from other standardized dimensions.

** Radius of corners.

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June 1959

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