International Standard

ISO 5768

Cinematography — Image produced by camera aperture Type W on 16 mm motion-picture film — Position and dimensions

Cinématographie — Champ d'image enregistré par la caméra type W sur film cinématographique 16 mm — Position et dimensions

First edition — 1981-08-01

UDC 778.53 : 771.531.352

Ref. No. ISO 5768-1981 (E)

Descriptors : cinematography, motion-picture film 16 mm, cameras, apertures (optics), images, photographic images, dimensions, position (location).

Price based on 3 pages

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 5768 was developed by Technical Committee ISO/TC 36, *Cinematography*, and was circulated to the member bodies in May 1980.

It has been approved by the member bodies of the following countries :

Australia	France	Spain
Belgium	Germany, F. R.	Sweden
Canada	Italy	Switzerland
Czechoslovakia	Japan	United Kingdom
Denmark	Romania	USA
Egypt, Arab. Rep. of	South Africa, Rep. of	USSR

No member body expressed disapproval of the document.

Cinematography — Image produced by camera aperture Type W on 16 mm motion-picture film — Position and dimensions

1 Scope and field of application

1.1 This International Standard specifies the dimensions and location of the image area produced by the camera aperture Type W on 16 mm motion-picture film intended for obtaining 35 mm release prints with the picture masked to aspect ratio 1,66 : 1.

1.2 This International Standard also specifies the dimensions and location of the image area on 35 mm duplicate negative and the enlargement ratio in optical printing from a 16 mm original.

2 References

ISO 25, *Cinematography — Camera usage of* 16 mm *motion-picture film — Specifications.*

ISO 69, *Cinematography — 16 mm motion-picture raw stock — Cutting and perforating dimensions.*

ISO 358, *Cinematography — Maximum aspect ratio of projector aperture for projection of* 35 mm *non-anamorphic motion-picture films — Specifications.*

ISO 466, *Cinematography — Image produced by* 16 mm *motion-picture camera aperture — Position and dimensions.*

ISO 2939, *Cinematography — Picture image area and photographic sound record on* 35 mm *motion-picture release prints — Position and dimensions.*

3 Dimensions

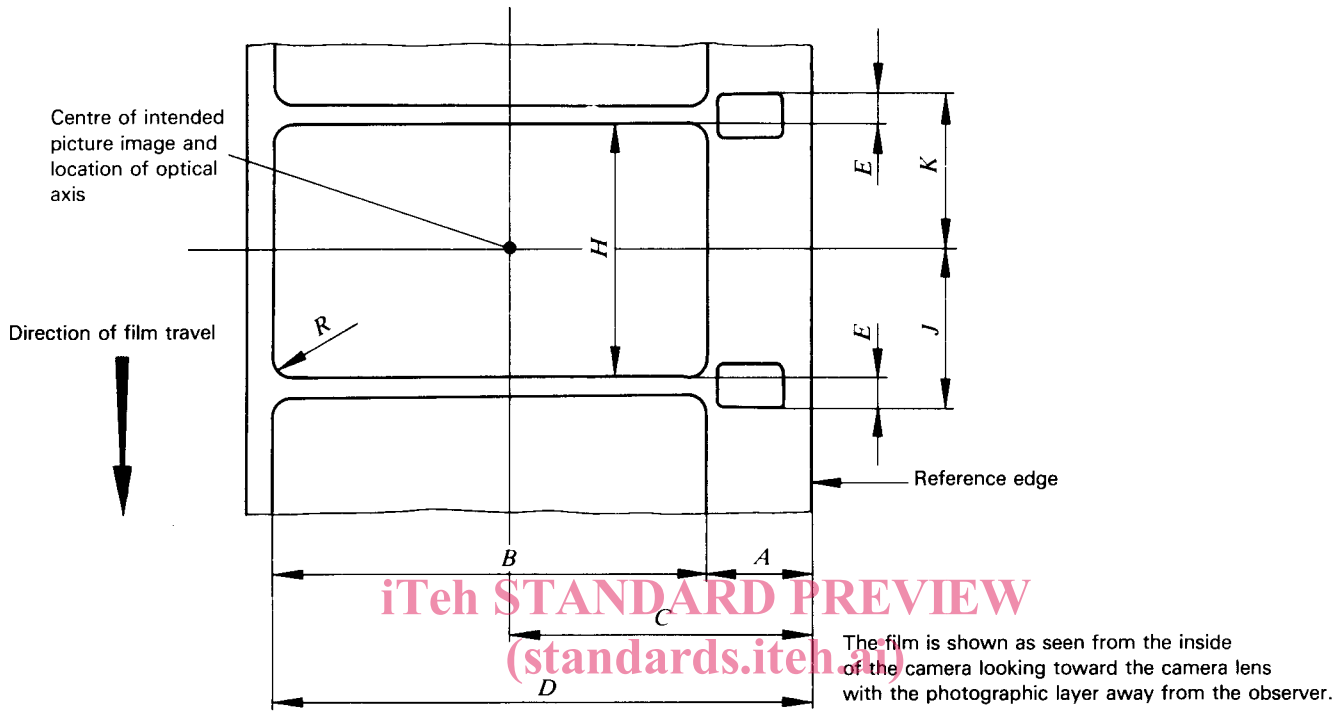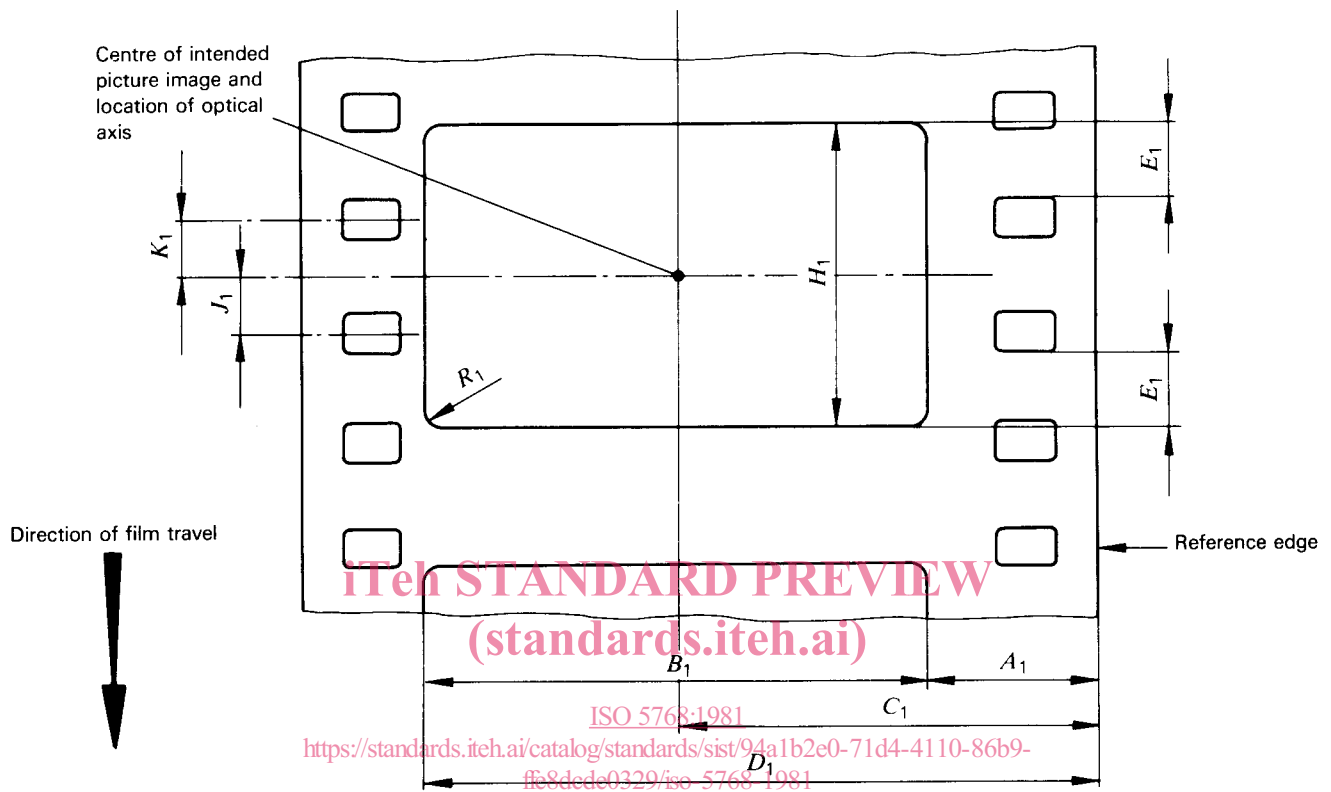The dimensions shall be as shown in the figures and as given in the tables.

Centre of intended picture image and location of optical axis

Direction of film travel

Reference edge

The film is shown as seen from the inside of the camera looking toward the camera lens with the photographic layer away from the observer.

Figure 1 — Image area on 16 mm Type W motion-picture negative or original

Table 1

Dimension	mm	in
A max.	2,95	0.116
B ref.	12,52	0.493
C ref.	9,15	0.360
D min.	15,37	0.605
E max.	0,82	0.032
H	$7,42^{+\,0,15}_{0}$	$0.292^{+\,0.006}_{0}$
R max.	0,15	0.006
J = K ref.		

4   35 mm internegatives and duplicate negatives

The enlargement ratio for printing 35 mm internegatives and duplicate negatives is 1,78 ref. The image area dimensions and location on 35 mm internegatives shall be as shown in figure 2 and given in table 2.

Centre of intended picture image and location of optical axis

K_1

J_1

R_1

H_1

E_1

E_1

Direction of film travel

Reference edge

B_1

A_1

C_1

D_1

The film is shown as seen from the inside of the camera of the optical printer looking towards the camera lens with the photographic layer away from the observer.

Figure 2 — Image on 35 mm motion-picture internegative or duplicate negative

Table 2

Dimension	mm	in
A_1 max.	7,80	0.307
B_1 ref.	21,95	0.864
C_1 ref.	18,75	0.738
D_1 min.	29,75	1.171
E_1 min.	3,10	0.122
H_1 min.	13,13	0.517
max.	13,55	0.533
R_1 max.	0,25	0.010
$J_1 = K_1$ ref.		

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