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

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

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International Standard ISO 5768 was prepared by Technical Committee ISO/TC 36, *Cinematography*.

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This third edition cancels and replaces the second edition (ISO 5768:1996), of which it constitutes a minor revision. In table 1, the tolerances have been removed from reference dimension C.

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Annex A of this International Standard is for information only.

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

1 Scope

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 enlargement to non-anamorphic 35 mm motion-picture film with an image aspect ratio of 1,66:1 or greater.

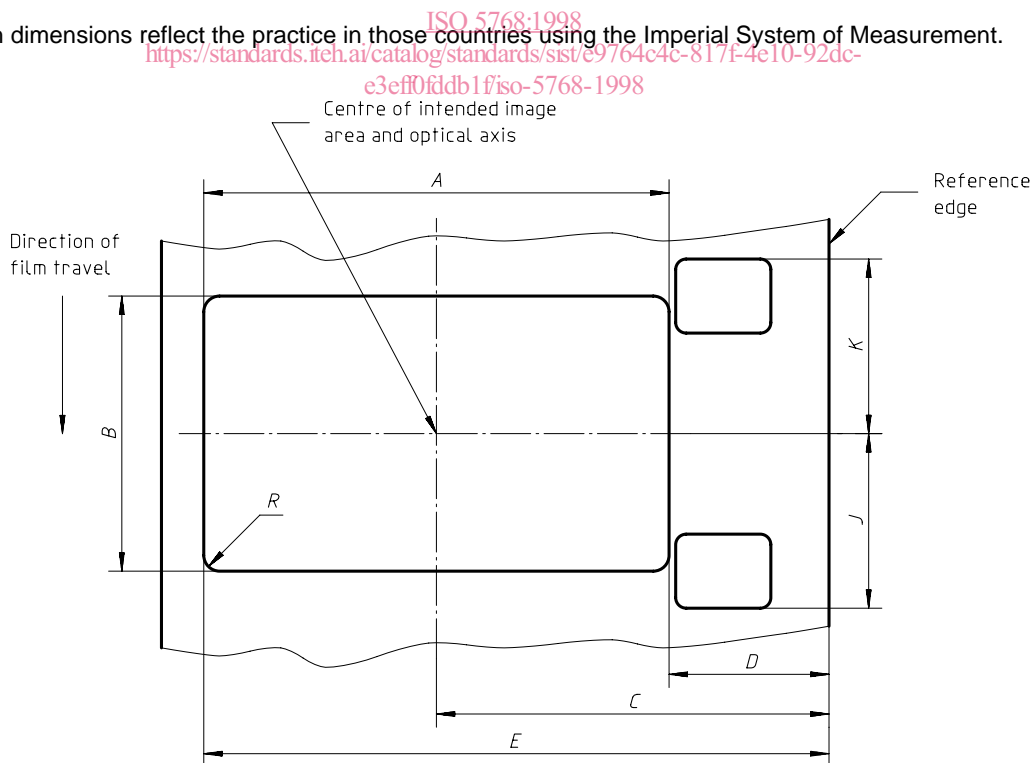
This International Standard also specifies the dimensions and location of the corresponding image area on a 35 mm internegative or duplicate negative and the enlargement ratio in optical printing from 16 mm Type W originals.

2 Dimensions

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The dimensions shall be as given in figures 1 and 2 and tables 1 and 2.

NOTE — Inch dimensions reflect the practice in those countries using the Imperial System of Measurement.



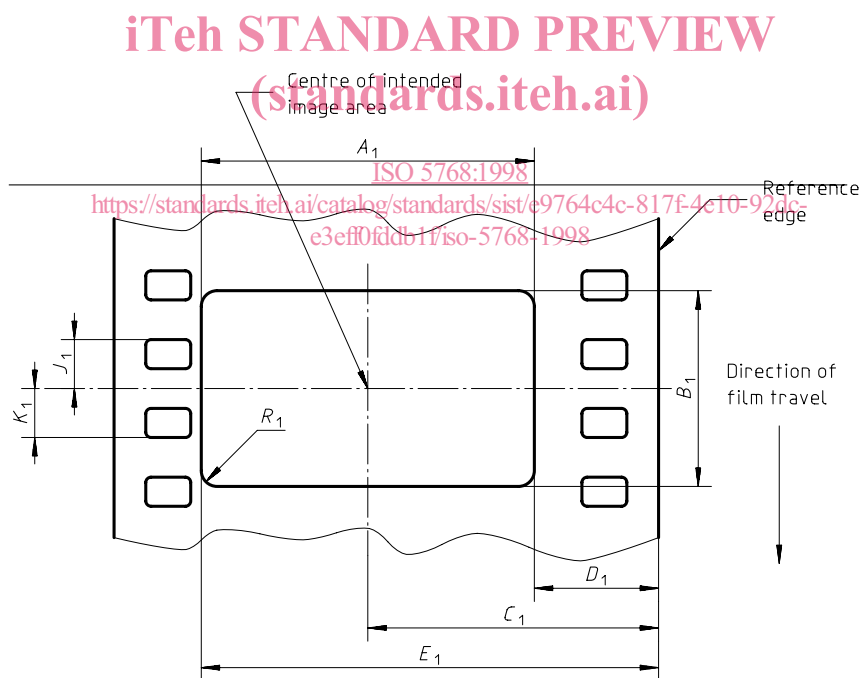
NOTE — The film is shown as seen from the inside of the camera looking towards the camera lens with the photographic layer away from the observer.

Table 1 — Dimensions

Dimension	Millimetres	Inches
A nom.	12,35	0,486
B	7,42 $^{+0,15}_0$	0,292 $^{+0,006}_0$
C ref.	9,00	0,354
D max.	2,825	0,111
E min.	15,175	0,597
J = K nom.		
R max.	0,15	0,006

3 35 mm internegatives and duplicate negatives

The enlargement ratio for printing 35 mm internegatives and duplicate negatives from 16 mm Type W originals shall be 1,778:1. The image area dimensions and location on 35 mm internegatives and duplicate negatives shall be as given in figure 2 and table 2.



NOTE — 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.

Table 2 — Dimensions

Dimension	Millimetres	Inches
A_1 nom.	21,95	0,864
B_1	$13,19 \begin{smallmatrix} +0,27 \\ 0 \end{smallmatrix}$	$0,519 \begin{smallmatrix} +0,010 \\ 0 \end{smallmatrix}$
C_1 ref.	18,75	0,738
D_1 max.	7,80	0,307
E_1 min.	29,74	1,171
$J_1 = K_1$ nom.		
R_1 max.	0,25	0,010

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Annex A (informative)

Equivalent projectable image areas

While it is clearly understood that 16 mm Type W camera images are not intended for release-print projection, it is often necessary to determine the area of the 16 mm Type W image which is equivalent to the area that will be used for release-print projection after enlargement of the image. Such uses might be for screening of rushes or for viewing on editing equipment, etc. Table A.1 gives these equivalent areas. The centre of these areas is coincident with the centre of the aperture image given in figure 1 and table 1.

Table A.1 — Equivalent projection areas

Intended release projection format	Width		Height	
	mm	in	mm	in
1,66:1	11,80	0,464	7,10	0,280
1,85:1	11,80	0,464	6,38	0,251

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- [2] ISO 69:1998, *Cinematography — 16 mm motion-picture and magnetic film — Cutting and perforating dimensions.*
- [3] ISO 466:1976, *Cinematography — Image produced by 16 mm motion-picture camera aperture — Position and dimensions.*
- [4] ISO 2907:1984, *Cinematography — Maximum projectable image area on 35 mm motion-picture film — Position and dimensions.*
- [5] ISO 2939:1986, *Cinematography — Picture image area and photographic sound record on 35 mm motion-picture release prints — Position and dimensions.*

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