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## **Cinematography — 65 mm and 70 mm unexposed motion-picture film — Cutting and perforating dimensions**

*Cinématographie — Films cinématographiques vierges 65 mm et 70 mm — Dimensions de  
coupe et de perforation*

Reference number  
ISO 3023 : 1988 (E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 3023 was prepared by Technical Committee ISO/TC 36, *Cinematography*.

This third edition cancels and replaces the second edition (ISO 3023 : 1984), of which it constitutes a minor revision, the annex having been replaced.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

# Cinematography — 65 mm and 70 mm unexposed motion-picture film — Cutting and perforating dimensions

## 1 Scope and field of application

This International Standard specifies the cutting and perforating dimensions for unexposed 65 mm and 70 mm motion-picture film.

## 2 Reference

ISO 543, *Cinematography — Motion-picture safety film — Definition, testing and marking.*

## 3 Dimensions

The dimensions and tolerances shall be as shown in the figure and given in table 1. They apply to safety raw stock film, as defined in ISO 543, at the time of cutting and perforating, for film adjusted to a temperature of  $23 \pm 1$  °C and a relative humidity of  $(50 \pm 2)$  %. The manufacturer may indicate other nominal temperature and humidity conditions under which the dimensions apply.

NOTE — The 65 mm width is usually used for negative films and is not intended to be used in projectors.

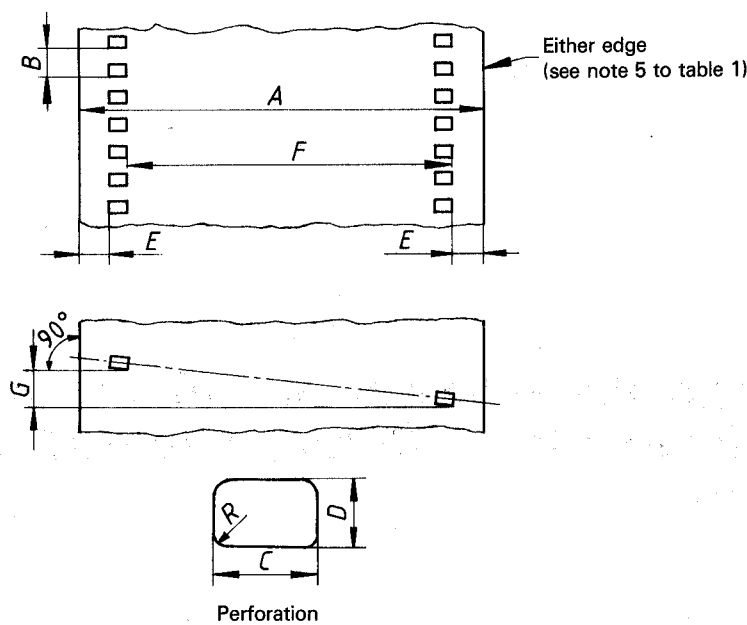


Figure — 65 mm and 70 mm unexposed film

Table 1 — Dimensions in millimetres

Dimension	65 mm film	70 mm film
<i>A</i>	64,97 ± 0,05	69,95 ± 0,05
<i>B</i>	—	4,750 ± 0,010
<i>B'</i>	4,740 ± 0,010	—
<i>L</i>	—	475,0 ± 0,4
<i>L'</i>	474,0 ± 0,4	—
<i>C</i>	2,800 + 0,005 — 0,015	2,800 + 0,005 — 0,015
<i>D</i>	1,980 ± 0,010	1,980 ± 0,010
<i>E</i>	2,97 ± 0,08	5,46 ± 0,08
<i>F</i>	56,24 ± 0,08	56,24 ± 0,08
<i>G</i>	0,05 max.	0,05 max.
<i>R</i>	0,51 ± 0,03	0,51 ± 0,03

NOTES

- 1 All dimensions given in imperial units are shown in the annex. In some instances, the values of the metric dimensions are not exact conversions of the inch dimensions.
- 2 Dimensions *B'* and *L'* (short perforation pitch) are provided to fulfil the requirements of continuous sprocket contact printing.
- 3 Dimensions *L* and *L'* represent the length of any 100 consecutive perforation intervals.
- 4 Dimension *C* in metric units has non-symmetrical tolerances for convenience.
- 5 The dimension and tolerances of *E* apply to both edges of the film.
- 6 There are many dimensions in the table for which the tolerances of the parts are limited by other tolerances, and where this occurs, the sum of the individual tolerances should be less than the overall variation series.