
International Standard



3022

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

● Cinematography — 35 mm motion-picture film perforated 16 mm (1-3-0) — Cutting and perforating dimensions

Cinématographie — Film cinématographique 35 mm à perforations 16 mm (1-3-0) — Dimensions de coupe et de perforation

Second edition — 1982-11-01

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UDC 778.5 : 771.531.352 : 77.021.17

Ref. No. ISO 3022-1982 (E)

Descriptors : cinematography, motion-picture film, cutting, perforating, dimensions.

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 3022 was developed by Technical Committee ISO/TC 36, *Cinematography*.

This second edition was submitted directly to the ISO Council, in accordance with clause 5.10.1 of part 1 of the Directives for the technical work of ISO. It cancels and replaces the first edition (i.e. ISO 3022-1975), which had been approved by the member bodies of the following countries :

Australia	Italy	Sweden
Belgium	Japan	Switzerland
Bulgaria	Korea, Rep. of	Thailand
Canada	Mexico	United Kingdom
Czechoslovakia	Netherlands	USA
France	Poland	USSR
Germany, F. R.	Romania	
India	South Africa, Rep. of	

No member body had expressed disapproval of the document.

Cinematography — 35 mm motion-picture film perforated 16 mm (1-3-0) — Cutting and perforating dimensions

1 Scope and field of application

This International Standard specifies the cutting and perforating dimensions for 35 mm motion-picture raw stock with three rows of 16 mm perforations in positions 1-3-0, as well as the width of the 16 mm strip after processing and slitting the print stock.

2 References

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

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

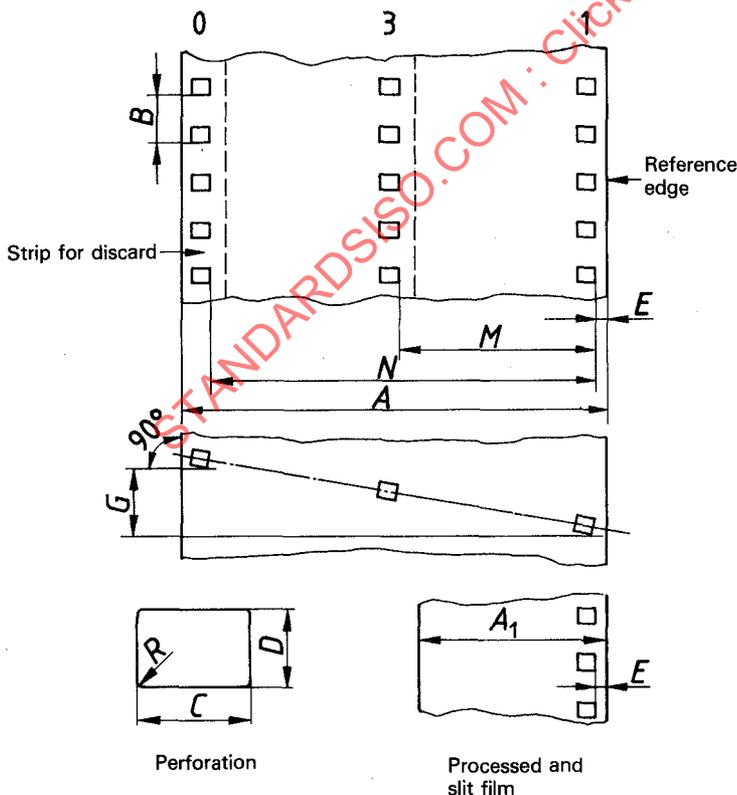
NOTE — ISO 69 is included as 16 mm film is commonly used in this format.

3 Dimensions

The dimensions and tolerances shall be as shown in the figure and given in the table; they apply to safety raw stock film as described in ISO 543, immediately after cutting and perforating.

The dimensions apply at the time of cutting and perforating for film adjusted to a temperature of 23 ± 1 °C, and a relative humidity of 50 ± 2 %. The manufacturer may indicate other nominal temperature and humidity conditions under which the dimensions apply.

NOTE — The perforations in the 0 row are discarded after slitting two strips of nominal 16 mm width from the processed print stock. The 0 discard row of perforations should therefore be provided with a visual means of identification (such as ink or round holes). If round holes are used for identification, a 1,0 mm (0.04 in) nominal diameter is suggested and the frequency of occurrence should be between at least every fifth set of perforations.



Table

Dimension	mm	in
A	$34,975 \pm 0,025$	1.377 ± 0.001
A ₁	$15,93 \pm 0,05$	0.627 ± 0.002
B	$7,620 \pm 0,010$	$0.300 0 \pm 0.000 4$
B ₁ ^{*)}	$7,605 \pm 0,010$	$0.299 4 \pm 0.000 4$
C	$1,830 \pm 0,010$	$0.072 0 \pm 0.000 4$
D	$1,270 \pm 0,010$	$0.050 0 \pm 0.000 4$
E ^{***)}	$0,900 \pm 0,050$	$0.035 5 \pm 0.002 0$
G	0,025 max.	0.001 0 max.
L ^{**)}	$762,0 \pm 0,8$	30.00 ± 0.03
L ₁ ^{*)**)}	$760,5 \pm 0,8$	29.94 ± 0.03
M	$15,95 \pm 0,03$	$0.628 \pm 0.001 0$
N	$31,34 \pm 0,03$	$1.234 \pm 0.001 0$
R	$0,25 \pm 0,03$	$0.010 \pm 0.001 0$

^{*)} Dimensions B₁ and L₁ (short perforation pitch) are provided to fulfil the requirements of continuous sprocket contact printing.

^{**)} Dimensions L and L₁ represent the length of any 100 consecutive perforation intervals.

^{***)} Dimension E in inches has been taken to one additional decimal place than is normal for the millimetre dimension for additional accuracy.

NOTE — There are several dimensions in the table for which the tolerances of the parts are limited by other tolerances.

Figure — 35 mm film perforated 16 mm