
**Cinematography — 16 mm negative
photographic sound record on 16
mm, 35/16 mm and 35/32 mm
motion-picture film — Positions and
dimensions**

*Cinématographie — Enregistrement sonore photographique négatif
16 mm sur film cinématographique de 16 mm, 35/16 mm et 35/32
mm — Emplacement et dimensions*

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Published in Switzerland

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 36, *Cinematography*.

This second edition cancels and replaces the first edition (ISO 71:1977), of which it constitutes a minor revision.

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Cinematography — 16 mm negative photographic sound record on 16 mm, 35/16 mm and 35/32 mm motion-picture film — Positions and dimensions

1 Scope

This International Standard specifies the positions and width dimensions of 16 mm negative monophonic photographic sound record on 16 mm, 35/16 mm, and 35/32 mm motion picture film intended for printing of 16 mm release prints.

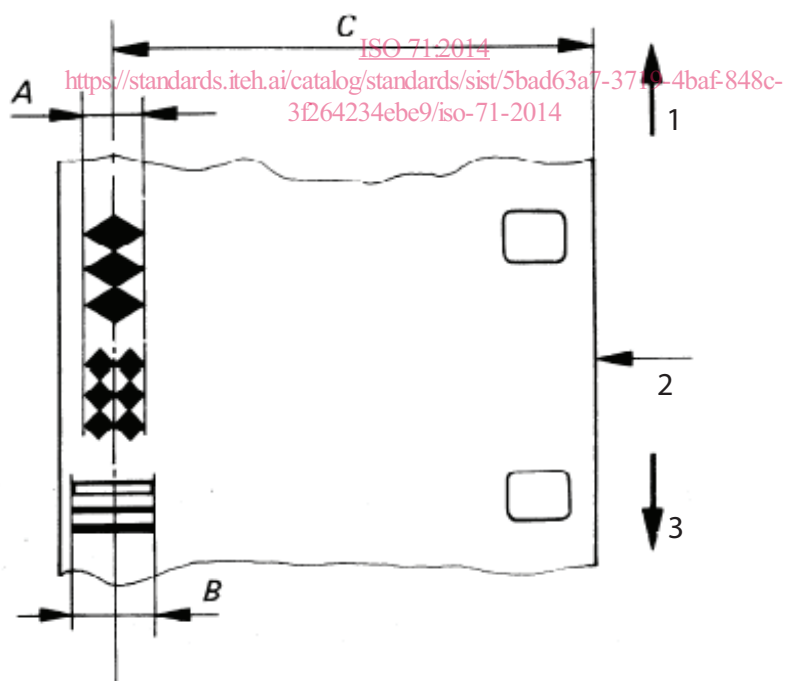
2 Dimensions

Dimensions shall be as shown in [Figures 1 to 3](#) and given in [Table 1](#).

3 Location for emulsion

The film is shown with the emulsion facing the observer.

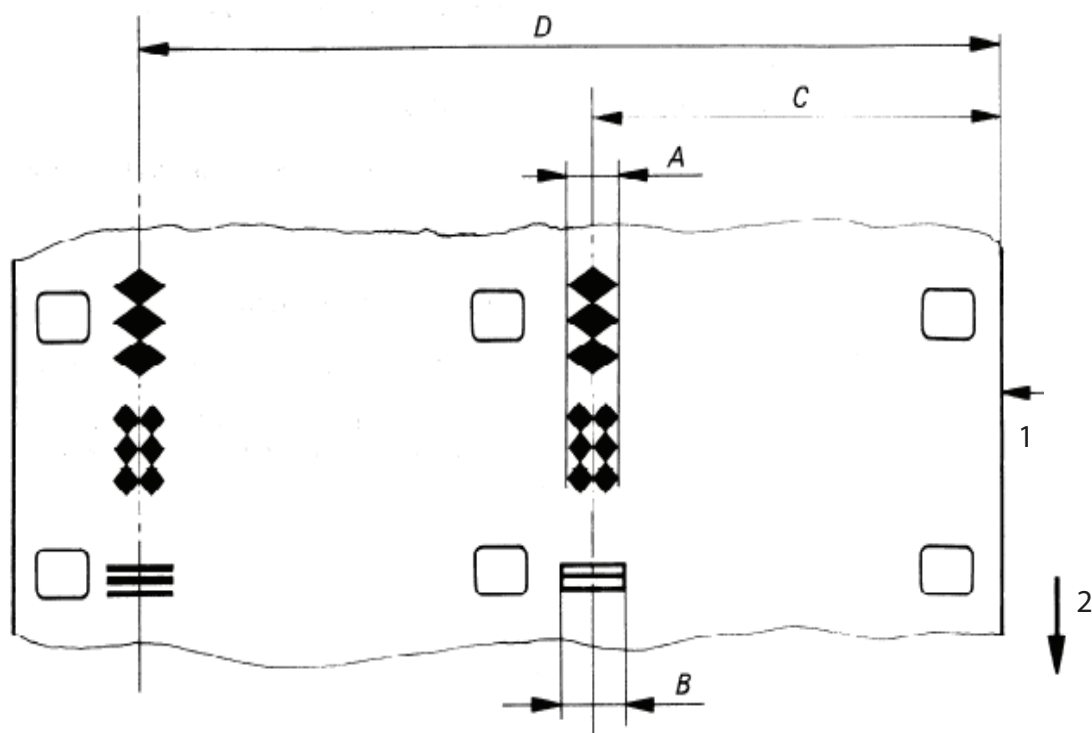
NOTE The direction of film travel is indicated on the figure. "A" and "B" winds do not normally occur with the dual format systems shown in [Figures 2 and 3](#).



Key

- 1 direction of film travel for "B" wind recording
- 2 reference edge
- 3 direction of film travel for "A" wind recording

Figure 1 — 16 mm film



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Key

1 reference edge for both records

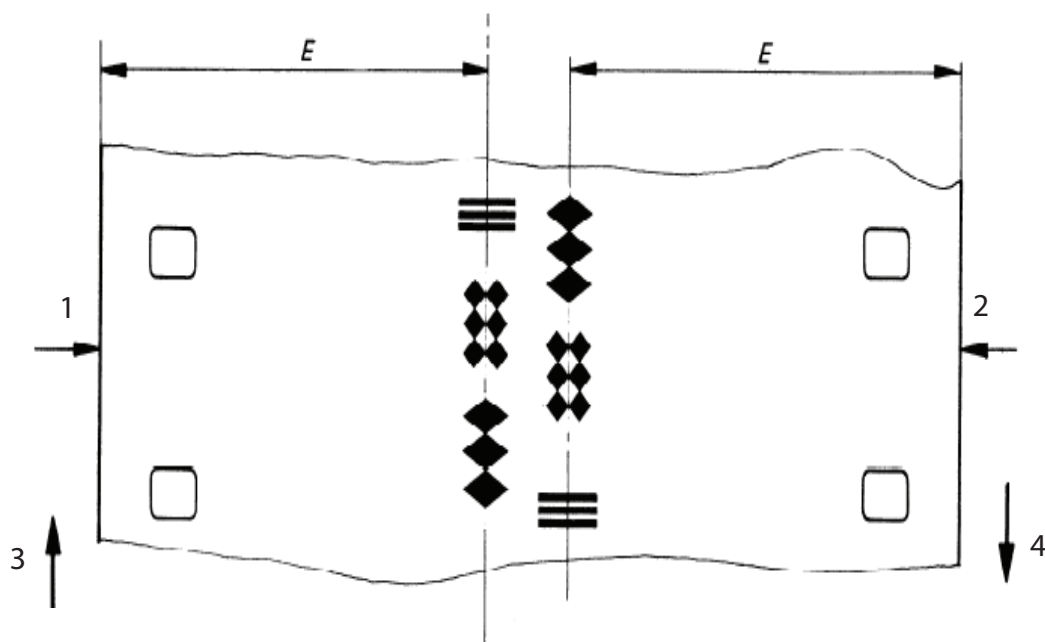
2 direction of film travel for recording both records

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NOTE The sound record dimensions are the same as in [Figure 1](#).

Figure 2 — 35 mm film perforated 16 mm 3R (1-3-0)

**Key**

- 1 reference edge for left-hand record
 2 reference edge for right-hand record
 3 direction of film travel recording left-hand record
 4 direction of film travel recording right-hand record

NOTE The sound record dimensions are the same as in [Figure 1](#).

Figure 3 — 35 mm film perforated 32 mm 2R (1-4)

Table 1

Dimension ^a	mm	in
A (See Note 1)	1,52 ^{+0,10} / _{-0,03}	0,060 ^{+0,004} / _{-0,001}
B (See Note 2)	2,03 ± 0,08	0,080 ± 0,003
C	14,48 ± 0,05	0,570 ± 0,002
D	30,43 ± 0,05	1,198 ± 0,002
E	16,02 ± 0,05	0,631 ± 0,002
NOTE 1 For variable area and matted variable density sound records.		
NOTE 2 For variable density sound record.		
^a Dimensions apply to all figures as appropriate.		

Bibliography

- [1] ISO 69, *Cinematography — 16 mm motion-picture and magnetic film — Cutting and perforating dimensions*
- [2] ISO 3022, *Cinematography — 35 mm motion-picture film perforated 16 mm (1-3-0) — Cutting and perforating dimensions*
- [3] ISO 4243, *Cinematography — Picture image area and photographic sound record on 16 mm motion-picture release prints — Positions and dimensions*

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