

BS ISO 71:2014



BSI Standards Publication

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

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**National foreword**

This British Standard is the UK implementation of ISO 71:2014. It supersedes BS 5550-2.4.1:1978 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CPW/36, Cinematography.

A list of organizations represented on this committee can be obtained on request to its secretary.

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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**

*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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## Foreword

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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.

# 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.

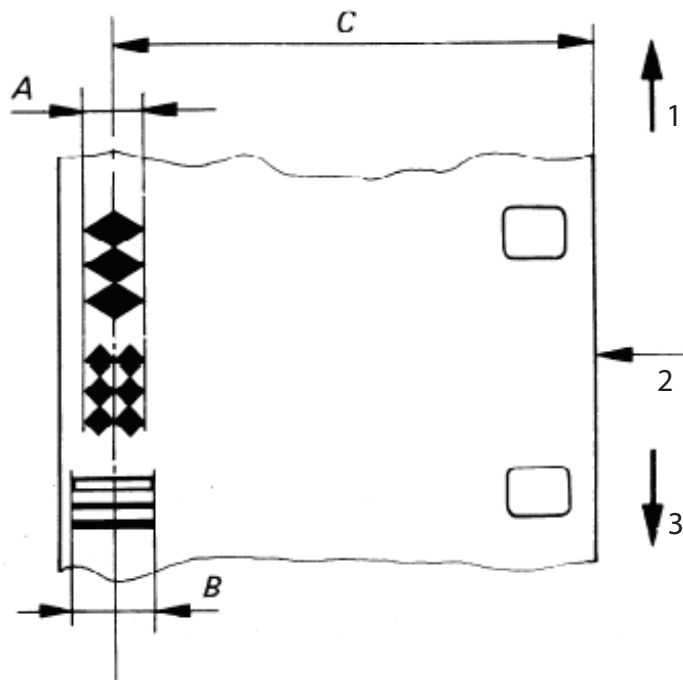
## 2 Dimensions

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.

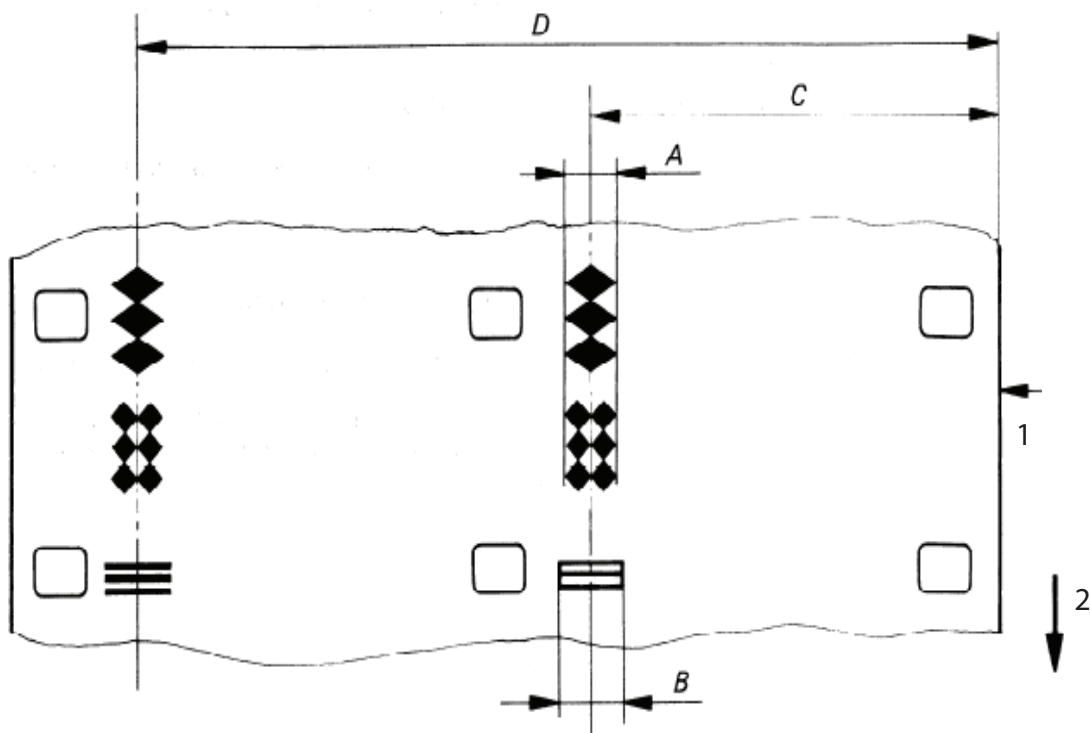
NOTE The direction of film travel is indicated on the figure. “A” and “B” winds do not normally occur with the dual format systems shown in [Figures 2 and 3](#).



### 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



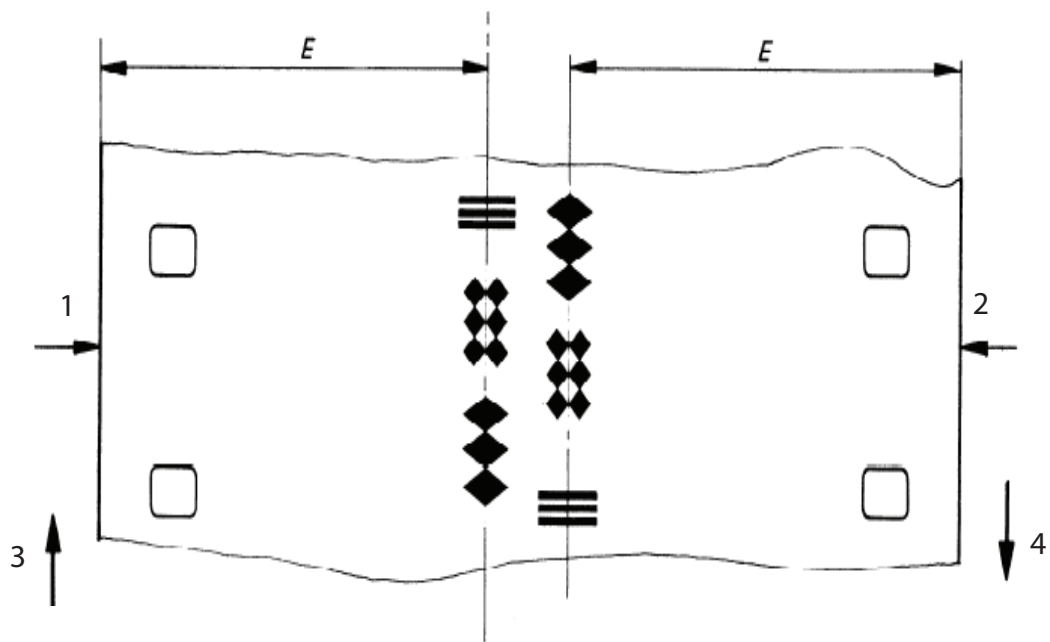
**Key**

- 1 reference edge for both records
- 2 direction of film travel for recording both records

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 <sup>a</sup>  | mm                                       | in  |
|---|--|---|
| A (See Note 1)  | 1,52 <sup>+0,10</sup> / <sub>-0,03</sub> | 0,060 <sup>+0,004</sup> / <sub>-0,001</sub> |
| 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.                           |  |   |
| <sup>a</sup> 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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