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# INTERNATIONAL STANDARD



# 1201

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

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**Cinematography — 8 mm motion-picture film with picture —  
Location and width of magnetic striping and gaps of  
recording and reproducing magnetic heads for magnetic  
sound record**

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[ISO 1201:1972](#)

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**Descriptors** : cinematography, sound recording, magnetic recording, motion picture film, sound track, position (location), magnetic heads, magnetic gap, dimensions.

Price based on 1 page

## 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 1201 (originally Draft International Standard ISO/DIS 868.2) was drawn by Technical Committee ISO/TC 36, *Cinematography*.

It was approved in September 1971 by the Member Bodies of the following countries :

Austria	Germany	Romania
Belgium	India	South Africa, Rep. of
Czechoslovakia	Italy	Sweden
Egypt, Arab Rep. of	Japan	Switzerland
France	New Zealand	United Kingdom

The Member Body of the following country expressed disapproval of the document on technical grounds :

U.S.A.

# Cinematography — 8 mm motion-picture film with picture — Location and width of magnetic striping and gaps of recording and reproducing magnetic heads for magnetic sound record

## 1 SCOPE AND FIELD OF APPLICATION

1.1 This International Standard specifies the location and width of the magnetic striping on 8 mm motion-picture film with picture, slit and perforated in accordance with ISO/R 486.

1.2 This International Standard also specifies the location and width of gaps of the recording and reproducing magnetic heads in systems using 8 mm motion-picture film with a magnetic sound record.

## 2 LOCATION AND WIDTH OF MAGNETIC STRIPING

2.1 The location and width of magnetic striping shall be as shown in the Figure.

2.2 The magnetic striping shall be on the side of the film toward the lamp of a projector arranged for direct projection on a reflection-type screen.

## 3 LOCATION AND WIDTH OF GAPS OF RECORDING AND REPRODUCING HEADS

3.1 The location and widths of gaps of the recording and reproducing heads shall be as shown in the Figure.

NOTE — In equipment in which a single head is used both for recording and reproduction, the gap width shall be in accordance with that given for the reproducing head.

3.2 The effective gap in the recording and reproducing heads shall be at an angle of  $90^\circ \pm 10'$  to the longitudinal axis of the film travel.

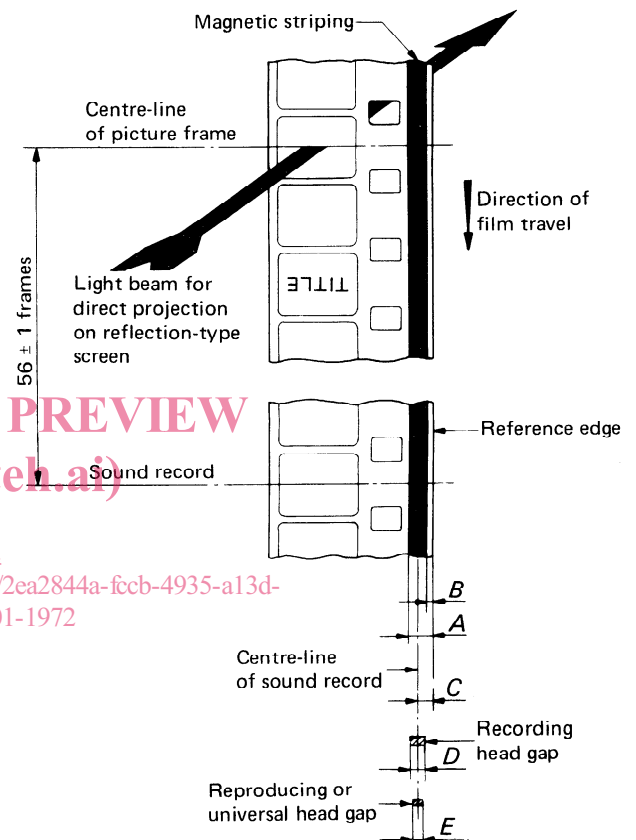
## 4 PICTURE-SOUND SEPARATION

The magnetic sound record on the film shall precede the centre of the corresponding picture by a distance of  $56 \pm 1$  frames.

## 5 RECORDING AND PROJECTION SPEEDS

The film speed at which the sound is recorded and replayed for the interchange of programme material is 24 frames per second.

NOTE — Films normally intended for domestic use may be projected at 16 to 18 frames per second.



Dimension	mm	in
A	$0,80 \begin{smallmatrix} 0 \\ -0,10 \end{smallmatrix}$	$0.031 \begin{smallmatrix} 0 \\ -0.004 \end{smallmatrix}$
B	0,13 max.	0.005 max.
C	$0,40 \pm 0,05$	$0.016 \pm 0.002$
D	0,63 min.	0.025 min.
E	0,48 min.	0.019 min.

FIGURE — Location and width of magnetic striping, and recording and reproducing head gaps

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