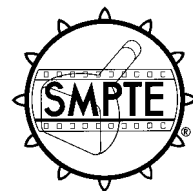


# SMPTE STANDARD

## ANSI/SMPTE 87M-1996

Revision of  
ANSI/SMPTE 87M-1991

### for Motion-Picture Film (16-mm) — 100-Mil Magnetic Striping



Page 1 of 2 pages

#### 1 Scope

This standard specifies the location and dimensions of the magnetic striping material applied to 16-mm motion-picture film, which is used for both picture and sound.

#### 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below.

ANSI/SMPTE 109-1992, Motion-Picture Film (16-mm) — Perforated 1R and 2R

#### 3 Magnetic striping

**3.1** The location and dimensions of the magnetic striping shall be as given in figure 1 and table 1.

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

#### 4 Film stock

The film stock used shall be safety type, cut and perforated in accordance with ANSI/SMPTE 109.

#### 5 Balance stripe

If the stripe is raised significantly (greater than 0.1 mil), then a balance stripe is required. The balance stripe need not be a continuous magnetic coating.

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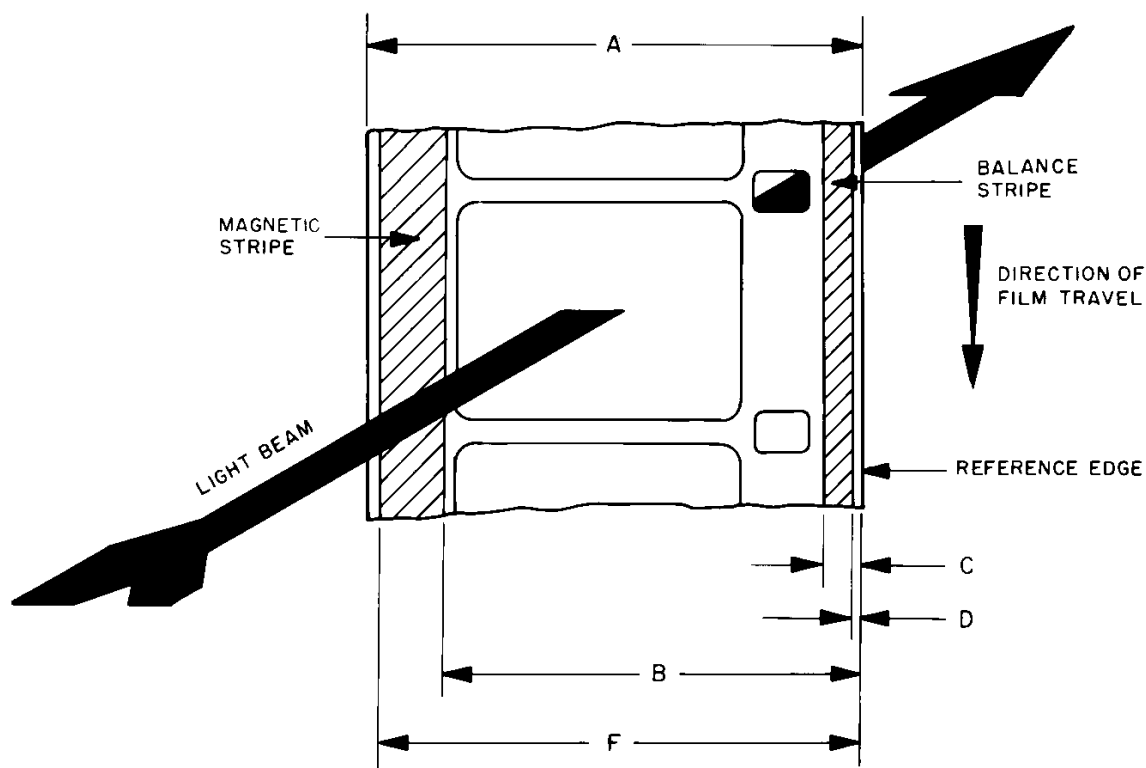


Figure 1 – Magnetic striping location

Table 1 – Specifications

Dimensions	Millimeters		Inches	
A	15.95	ref	0.628	ref
B	13.25	+ 0.00 – 0.15	0.522	+ 0.000 – 0.006
C	0.80	+ 0.00 – 0.15	0.031	+ 0.000 – 0.006
D	0.15	max	0.006	max
F	15.80	min	0.622	min

## Annex A (informative)

### Application

The outer edge of both stripes ideally should be coincident with the edge of the film.