

SMPTE STANDARD

SMPTE 127-2003

Revision of
ANSI/SMPTE 127-1994

for Motion-Picture Film (16-mm) — Magnetic-Photographic Audio Records — Magnetic Striping of Prints



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1 Scope

This standard specifies the location and dimensions of the magnetic striping material applied to 16-mm motion-picture prints, containing a picture and photographic audio record, for the purpose of employing both a magnetic and the existing photographic audio record.

2 Magnetic striping

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

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

NOTES

- 1 This standard is not recommended for unilateral variable-area track.
- 2 The balance stripe is optional and may be a magnetic coating or another material of the same thickness.
- 3 A photographic audio record on this film may be overcoated by as much as 50% by the magnetic stripe. However, experience shows that the photographic record can be reproduced acceptably if it has been recorded in accordance with SMPTE 41.

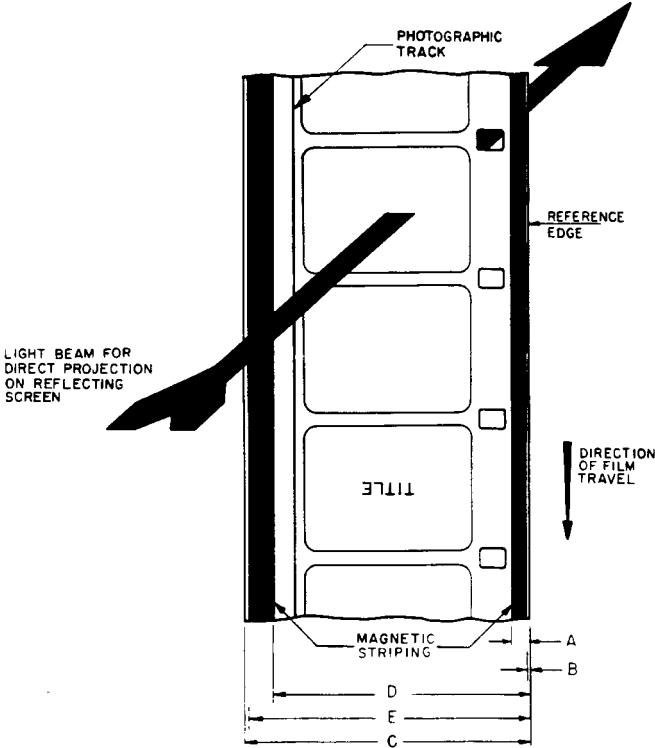


Figure 1 – Location and dimensions of magnetic striping

Table 1 – Specifications

Dimensions	Inches		Millimeters	
A	0.031	max	0.79	max
B	0.002	max	0.05	max
C	0.628	ref	15.95	ref
D	0.575	max	14.60	max
	0.570	min	14.48	min
E	0.623	min	15.82	min

Annex A (informative)
Additional data

The outer edge of the magnetic striping ideally should be coincident with the edge of the film. Therefore, every effort should be made to reduce the edge-to-stripe dimension as much as possible, consistent with the best uniformity of stripe thickness and flatness of stripe profile.

Annex B (informative)
Bibliography

SMPTE 41-1999, Motion-Picture Film (16-mm) — Prints — Photographic Audio Records