

SMPTE STANDARD

for Motion-Picture Film (16-mm) — Perforated 2R-3000 — 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 with perforations along both edges to be used for both picture and audio.

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.

SMPTE 109-2003, 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 is on the side of the film toward the lamp of a projector arranged for direct front projection on a reflection-type screen.

3.3 The No. 1 magnetic stripe is intended for the audio record.

4 Film stock

The film stock used shall be of the low-shrinkage safety type, cut and perforated in accordance with SMPTE 109.

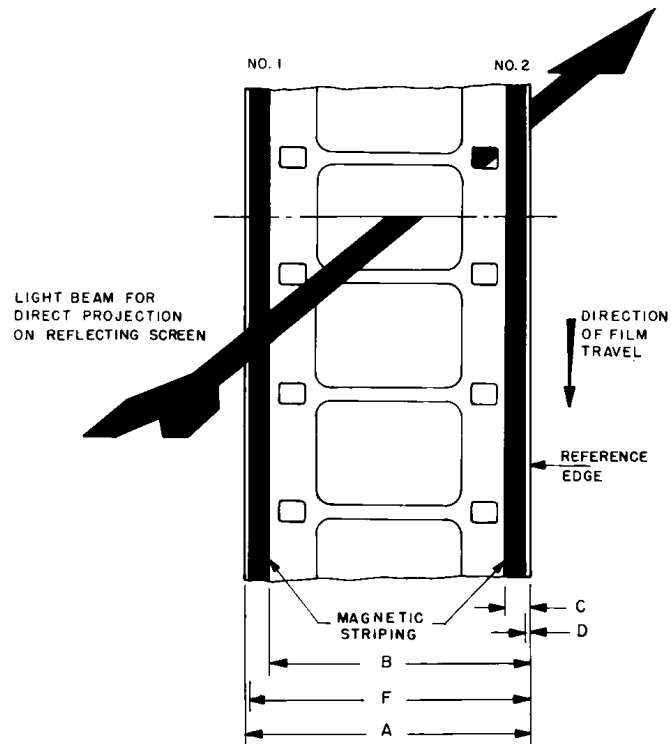


Figure 1 – Magnetic striping

Table 1 – Specifications

Dimensions	Inches		Millimeters	
A	0.628	ref	15.95	ref
B	0.600	+ 0.000 – 0.003	15.24	+ 0.00 – 0.08
C	0.031	+ 0.000 – 0.006	0.80	+ 0.00 – 0.15
D	0.006	max	0.15	max
F	0.622	min	15.80	min

NOTE – The No. 2 stripe is an optional balance stripe and may be a magnetic coating or another material of the same thickness.

Annex A (informative)
Striping

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 dimension D as much as possible, consistent with the best uniformity of stripe thickness and flatness of stripe profile.