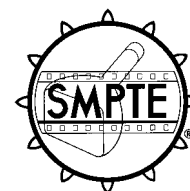


SMPTE STANDARD

ANSI/SMPTE 177-1995Revision aof
ANSI/SMPTE 177-1990

for Motion-Picture Film (35-mm) — Four-Track Magnetic Audio Release Prints — Magnetic Striping



Page 1 of 3 pages

1 Scope

This standard specifies the location and dimensions of the magnetic recording stripes on 35-mm motion-picture film used for four-track magnetic audio release prints having an anamorphic-type picture image.

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 102-1991, Motion-Picture Film (35-mm) — Perforated CS-1870

3 Dimensions

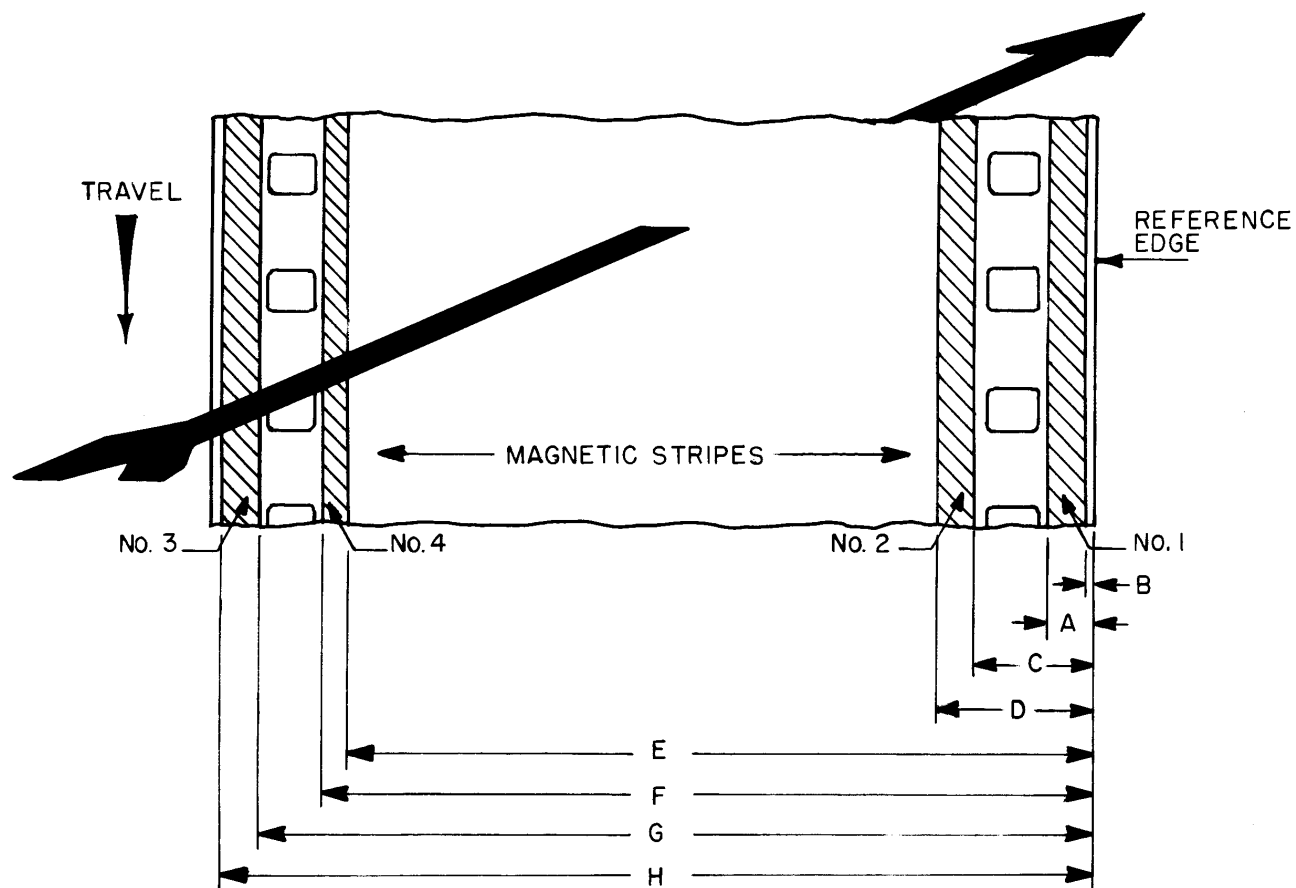
3.1 The location and dimensions of the recording stripes shall be as specified in figure 1 and table 1.

3.2 The magnetic stripes shall be on the side of the film which is away from the light source when used on a projector arranged for direct front 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 102.

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AS SEEN FROM INSIDE PROJECTOR LAMPHOUSE
LOOKING TOWARD THE LENS

Figure 1 — Location of recording stripes

Table 1 — Dimensions

Dimensions	Inches	Millimeters
A	0.072 ± 0.003	1.83 ± 0.08
B	0.008 max	0.20 max
C	0.179 ± 0.003	4.55 ± 0.08
D	0.242 ± 0.003	6.15 ± 0.08
E	1.169 ± 0.003	29.69 ± 0.08
F	1.207 ± 0.003	30.66 ± 0.08
G	1.306 ± 0.003	33.17 ± 0.08
H	1.369 min	34.77 min

Annex A (informative)

Additional data

A.1 The use of polyester base film stock is recommended in order to maintain the specified dimensions.

A.2 The dimensions specified in this standard are predicated on the use of unshrunk film. It is recognized, however, that some shrinkage may occur when striping a processed print. Specific measurements should take into account the overall width of the film as specified by dimension A in ANSI/SMPTE 102. Should the film width fall outside the permissible tolerance, all dimensions specified in this standard may be multiplied by the ratio of nominal dimensions determined as follows:

$$\frac{\text{Measured width}}{\text{Specified width}} = \text{Ratio of nominal dimensions}$$

A.3 The outer edge of the magnetic striping ideally should be coincident with the edge of the film, and for this reason, dimension B is specified as maximum and dimension H as minimum.

A.4 Prints conforming to this standard are prepared in accordance with ANSI/SMPTE 194 and ANSI/SMPTE 137.

Annex B (informative)

Bibliography

ANSI/SMPTE 137-1994, Motion-Picture Film (35-mm) — Release Prints — Four Magnetic Audio Records

ANSI/SMPTE 194-1991, Motion-Picture Film (35-mm) — Projector Usage — Release Prints Having Four Perforations Per Frame