

Proposed American Standard
35mm Magnetic Flutter Test Film
 (Third Draft)

PH22.98

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1. Scope

1.1 This standard specifies a 3000-cycle, fully coated, magnetic sound test film for use in determining the presence of flutter in 35mm magnetic sound reproducers.

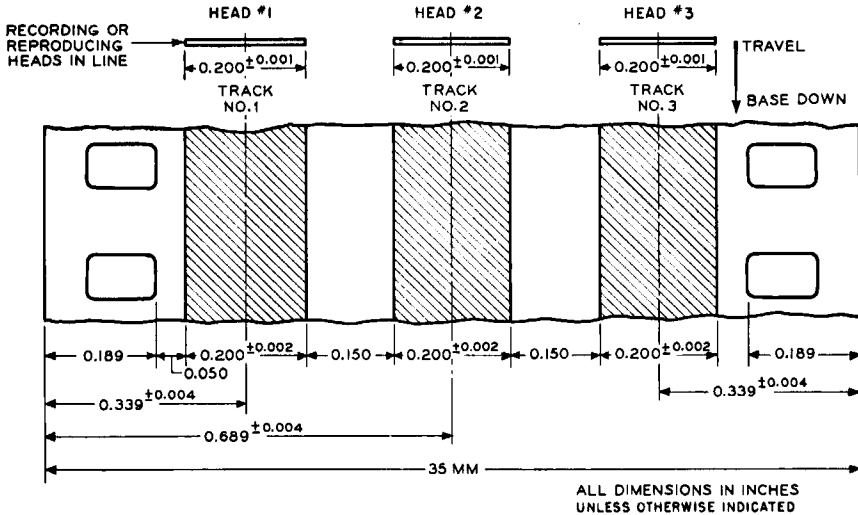
2. Test Film

2.1 The test film shall have an original magnetic sound recording.

2.2 The coating position and direction of travel shall be as specified in American Stand-

ard PH22.86-1953, 200-Mil Magnetic Sound Tracks on 35mm and 17½mm Motion-Picture Film, or the latest revision thereof approved by the American Standards Association, Incorporated, and the base shall be coated from one row of perforations to the other row, or from edge to edge.

2.3 Three sound records shall be recorded in accordance with the dimensions specified in American Standard PH22.86-1953, or the latest revision thereof, and as shown in the drawing.



NOT APPROVED

2.4 The recorded frequency shall be 3000 \pm 25 cycles per sec with a recording speed of 96 perforations per sec or 90 ft per min.

2.5 The modulation of the recording shall be such that the total harmonic distortion does not exceed 2½%.

2.6 The total rms flutter of the sound recorder shall not exceed 0.1% and the flutter amplitude shall not exceed 0.05% (as defined in Proposed American Standard Z57.1, Method of Determining Flutter Content of Sound Recorders and Reproducers).

3. Film Stock

3.1 The film stock used shall be of the low-

shrinkage, safety type, cut and perforated in accordance with American Standard Z22.36-1947, Cutting and Perforating Dimensions for 35-Millimeter Motion Picture Positive Raw Stock, or the latest revision thereof approved by the American Standards Association, Incorporated.

4. Film Length

4.1 The film shall be supplied in 50-ft lengths or multiples thereof.

5. Identification

5.1 Each test film shall have suitable identification markings.