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SMPTE STANDARD

for Motion-Picture Film (16-mm) — Magnetic Audio Records — Two Records on 16-mm Magnetic Film



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1 Scope

1.1 This standard specifies the lateral positions and width dimensions of two 3.81 mm (0.150 in) magnetic audio records and a control track on 16-mm single-perforated magnetic recording film.

1.2 This standard also specifies the reproducing velocity of the film travel.

2 Audio record

2.1 The lateral location and width of each magnetic audio record shall be as specified in figure 1 and table 1.

2.2 The recording shall be made so that the azimuth of each record is at an angle of $90^\circ \pm 5'$ to the reference edge of the film.

2.3 With the direction of travel as shown in figure 1, the magnetic coating shall be on the surface toward the observer.

3 Reproducing speed

The recording shall be made so that the audio records will reproduce properly at 24 perforations per second (approximately 11 m [36 ft] per minute or 183 mm [7.2 in] per second), which is 24 frames per second.

4 Track usage

4.1 For recording single records, the center track position shall be used. However, for international exchange, interchangeability is facilitated by placing identical information on both tracks.

4.2 For recording stereo programs, the center track position shall be used for the left-hand channel.

4.3 For recording two languages, the center track shall be used for the primary language and the edge track position shall be used for the secondary language.

4.4 The control track shall be used for recording other information and for address systems in analog or digital form.