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>
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A Stable document is "In Force", and not deprecated or withdrawn.

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Reaffirmed 2009

REAFFIRMED 2004

RP 129-1995
Revision of RP 129-1985

SMPTE RECOMMENDED PRACTICE

Requirements for 35-, 16- and 8-mm Type S Tape Splices on Magnetic Audio Recording Motion-Picture Film

1 Scope

This practice specifies the significant requirements for tape splices for 35-, 16-, and 8-mm type S magnetic motion-picture film intended for audio recording.

2 Requirements

2.1 The requirements shall apply to magnetic audio recording films within acceptable shrinkage tolerances.

2.2 The film width at the splice shall not be increased by more than 0.003 in (0.08 mm) over the film width being spliced.

2.3 The spliced film shall be aligned so that if one portion of the spliced film is placed against a straightedge, the other portion will not deviate more than 0.006 in (0.15 mm) in 5 in (125 mm). The perforations across the splice and the film edges shall be aligned in accordance with figure 1. The spliced film shall maintain nominal perforation pitch as specified for the film gauge used. The splice shall have a negligible gap between the mated cuts of the film ends and there shall not be any film overlap at the splice.

2.4 An angle of 73° to the edge of the film is preferred to minimize hinging and reduce audibility as the splice passes over the head gap. However, an angle of 90° is acceptable.

2.5 The dimensions of the splicing tape applied to secure a splice shall not interfere with the film width dimensions specified for the particular film. Splicing tape shall not interfere with sprocket hole perforation opening dimensions (see figures 2, 3, and 4).

2.6 It is recommended that the splicing tape adhere to not less than 0.3 in (7.6 mm) on each side of the cut to ensure adequacy of retention for the normal use of each film gauge.

2.7 Tape splices shall be made with a tape having a thickness less than 0.003 in (0.08 mm) and resulting in a splice capable of withstanding 10 oz (283 gr) of longitudinal tension without dimensional change.

2.8 The splicing tape shall adhere uniformly to the film without corrugations or entrapped air bubbles.

2.9 The splicing tape used shall encompass the full width of the film and be applied to the base side only.

2.10 Splice cuts and splicing tape edges shall be centered between perforations (see figures 2, 3, and 4).

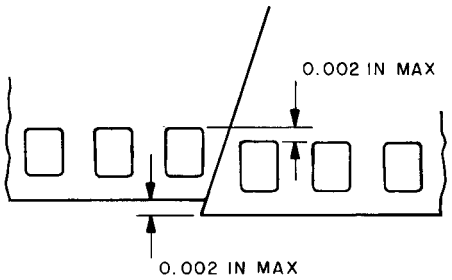

Figure 1 – Splice alignment viewed base up

Approved August 1, 1995

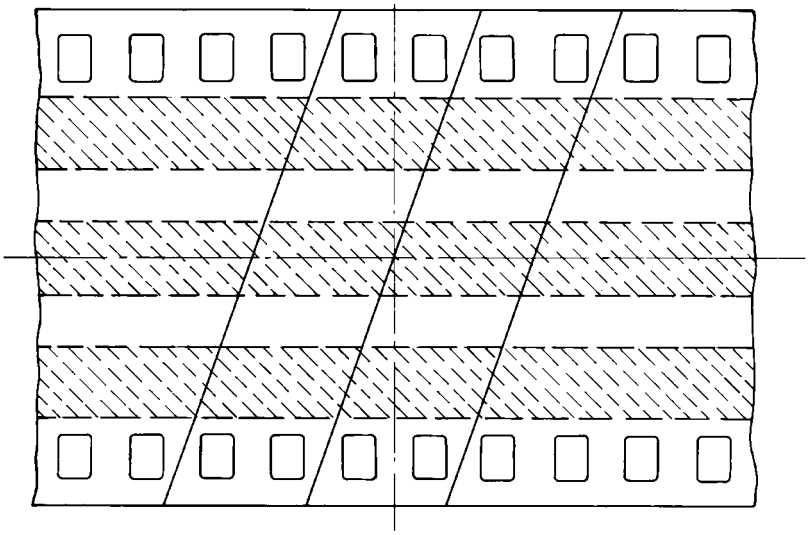

Figure 2 – Sound splice on 35-mm stock viewed base up

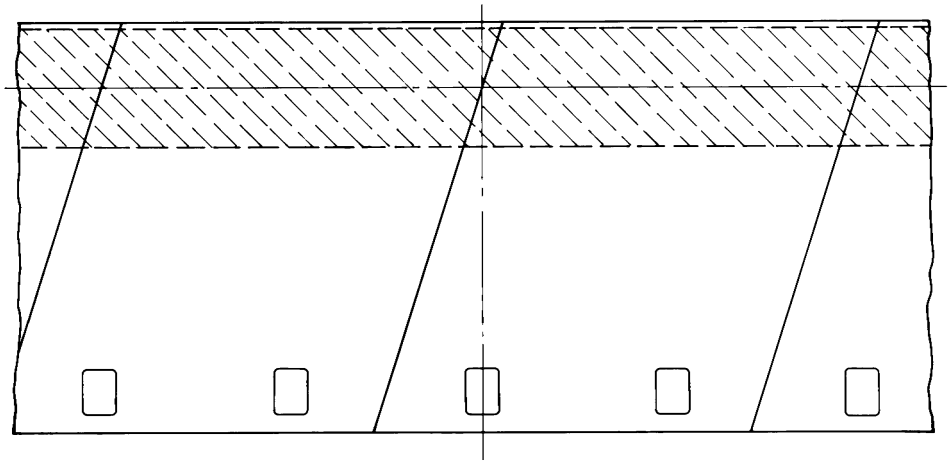

Figure 3 – Sound splice on 16-mm stock viewed base up

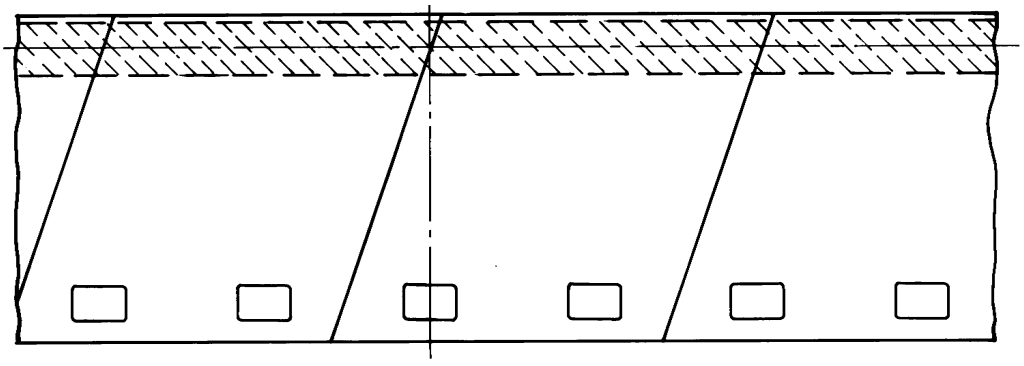

Figure 4 – Sound splice on 8-mm type S stock viewed base up