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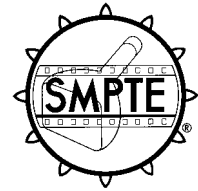
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SMPTE STANDARD**ANSI/SMPTE 165-1994**Revision of
ANSI/SMPTE 165-1988

for Motion-Picture Film (35-mm) — Perforated 8-mm Type S, 5R (1-3-5-7-0)



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1 Scope

This standard specifies the cutting and perforating dimensions for 35-mm motion-picture film with four rows of 8-mm type S perforations and one row of special perforations having a perforation pitch of either 0.1664 in or 0.1667 in (4.227 mm or 4.234 mm). The film stock described in this standard is intended for the production of prints. The width of the 8-mm strip after processing and slitting is also specified.

2 Dimensions

2.1 The dimensions shall be as given in figure 1 and table 1.

2.2 The dimensions pertain to a safety film as defined in ANSI/SMPTE 223M.

2.3 Except for dimensions A' and E', dimensions apply at the time of cutting and perforating for film adjusted to a temperature of $23^{\circ}\text{C} \pm 1^{\circ}\text{C}$ (nominally converted to $73^{\circ}\text{F} \pm 2^{\circ}\text{F}$ and a relative humidity of $(50 \pm 2)\%$. The manufacturer may indicate other nominal temperature and humidity conditions under which the dimensions apply.

NOTES

1 The title of this standard was established by the application of a nomenclature system developed for all film dimension standards. Each title provides an indication of

the film width, a code designation for the perforation shape (BH, KS, DH, or CS) or the number of rows of perforations (1R, 2R, etc.), depending upon which is the significant factor, and the perforation pitch without the decimal point.

The numerals (1-3-5-7-0) have been added to the title of this standard to specify how the rows of perforations are placed on the film. The designation is necessary only when the film stock is wider than its end use and more than one combination of perforation rows is possible. For 8-mm type S perforations on 35-mm width film, a maximum of four usable rows of perforations is possible. The perforation rows shall be numbered starting at the reference edge. The reference edge is the edge nearest to that row of perforations which is retained in one of the 8-mm strips that may be generated by appropriate slitting of the parent 35-mm film. A row of perforations which is discarded will always be given the number 0. Negative or intermediate films which are not slit may contain a 0-numbered row of perforations if that perforated row corresponds to the discard row of perforations on the subsequent print stock. For all films with nonsymmetrical perforation rows, there can be two different windings for the same numbered rows of perforations. Film perforated 1-0 would be 1-0 regardless of winding, but depending upon the location of the reference edge, the winding could be A or B, according to ANSI/SMPTE 75M.

2 The metric conversion of dimension A is purposely chosen and shown to three decimal places to prevent the maximum width dimension from exceeding 35 mm.

3 Notwithstanding accumulation of tolerances, dimensions A' and E' shall be as specified.

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