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SMPTE STANDARD

SMPTE 102-2002Revision of
ANSI/SMPTE 102-1997

for Motion-Picture Film (35-mm) — Perforated CS-1870



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1 Scope

This standard specifies the cutting and perforating dimensions for 35-mm motion-picture film with a CS-type perforation and a perforation pitch of 0.1870 in (4.750 mm).

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 SMPTE 223M.

2.3 The 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, or the perforation pitch without the decimal point.

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.