

Proposed American Standard Dimensions of 35mm Motion-Picture Camera Aperture Images

PH22.59
Revision of
PH22.59-1954

1. Scope

1.1 This standard specifies the dimensions of the camera aperture images and the relative positions of their vertical and horizontal center lines with respect to the reference edge and the perforations for 35mm motion-picture cameras.

1.2 Motion-picture cameras used for different purposes require different aperture sizes. This standard specifies the image dimensions resulting from three styles of apertures used for the following purposes:

- Style A: Nonanamorphic sound motion pictures
- Style B: Anamorphic sound motion pictures
- Style C: Instrumentation photography and special processes

2. Dimensions

The dimensions shall be as specified in the figure and Tables 1 through 3. They shall apply to measurements of the images formed on freshly exposed and processed film.

Table 1

Style A	
Dimensions	Inches
A	0.868 nom
B	0.631 ± 0.002
C	0.738 ± 0.002
D	0.304 ± 0.002
E	1.172 ± 0.002
F	0.115 nom
G	0.049 nom
H	0.093 ± 0.002
R	0.030 max

Style A	
Dimensions	Millimeters
A	22.05 nom
B	16.03 ± 0.05
C	18.75 ± 0.05
D	7.72 ± 0.05
E	29.77 ± 0.05
F	2.92 nom
G	1.24 nom
H	2.36 ± 0.05
R	0.76 max

Table 2

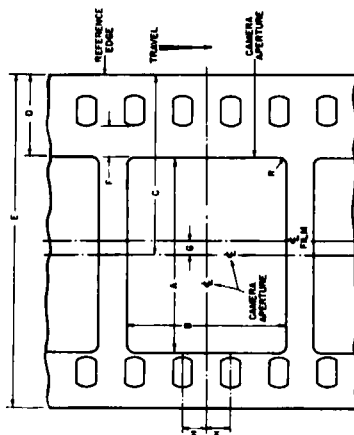
Style B	
Dimensions	Inches
A	0.870 nom
B	0.735 ± 0.002
C	0.738 ± 0.002
D	0.303 ± 0.002
E	1.173 ± 0.002
F	0.114 nom
G	0.050 nom
H	0.093 ± 0.002
R	0.030 max

Style B	
Dimensions	Millimeters
A	22.10 nom
B	18.67 ± 0.05
C	18.75 ± 0.05
D	7.70 ± 0.05
E	29.79 ± 0.05
F	2.90 nom
G	1.27 nom
H	2.36 ± 0.05
R	0.76 max

Table 3

Style C	
Dimensions	Inches
A	0.980 nom
B	0.735 ± 0.002
C	0.688 ± 0.002
D	0.198 ± 0.002
E	1.176 ± 0.002
F	0.009 nom
G	0.000
H	0.093 ± 0.002
R	0.030 max

Style C	
Dimensions	Millimeters
A	24.89 nom
B	18.67 ± 0.05
C	17.48 ± 0.05
D	5.03 ± 0.05
E	29.87 ± 0.05
F	0.23 nom
G	0.00
H	2.36 ± 0.05
R	0.76 max



Film as Seen from Inside the Camera Looking Toward Camera Lens

NOT APPROVED

Proposed Withdrawal of American Standard

The Laboratory Practice and Standards Committees have proposed the withdrawal of American Standard Scene-Change Cueing for Printing 16mm Motion-Picture Film, PH22.89-1958 (published in the June 1958 Journal). If no objections are received, ASA Sectional Committee PH22 will be requested to approve termination of this inaccurate and outdated document since it is no longer being followed in the industry.

SMPTE Recommended Practice Reaffirmed

Upon the recommendation of the Society's Instrumentation and High-Speed Photography Committee, the Board of Governors in meeting on July 19, 1964 reaffirmed SMPTE Recommended Practice RP 3, Lens Mount Surface for High-Speed Motion-Picture Cameras (published in the August 1957 Journal). Individual copies of SMPTE Recommended Practices may be obtained free from Society Headquarters.