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International Standard 3645

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Cinematography — Image area produced by 8 mm Type S motion-picture camera aperture and maximum projectable image area — Positions and dimensions

Cinématographie — Champ d'image enregistré par la caméra et champ maximal d'image projetable pour film 8 mm type S — Positions et dimensions

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3645 was developed by Technical Committee ISO/TC 36, *Cinematography*.

This second edition was submitted directly to the ISO Council, in accordance with clause 6.11.2 of part 1 of the Directives for the technical work of ISO. It cancels and replaces the first edition (i.e. ISO 3645-1976), which had been approved by the member bodies of the following countries:

Australia	Italy	Switzerland
Belgium	Netherlands	Turkey
Canada	Romania	United Kingdom
Czechoslovakia	South Africa, Rep. of	USA
Denmark	Spain	USSR
France	Sweden	Yugoslavia

No member body expressed disapproval of the document.

Cinematography — Image area produced by 8 mm Type S motion-picture camera aperture and maximum projectable image area — Positions and dimensions

1 Scope and field of application

This International Standard specifies, for 8 mm Type S cameras and projectors, the dimensions of the image area produced by the camera on the film and the maximum projectable image area as well as the image positions relative to the reference edge of the film, and the perforations used to position the images.

2 Dimensions and characteristics

2.1 The dimensions shall be as shown in the figures and given in the tables and apply to measurements of the image as formed on, or projected from, a recently exposed and processed film (see the annex clauses A.4 and A.5).

2.2 The angle between the horizontal edges of the camera aperture image and the reference edge of the film shall be $90^\circ \pm 1/2^\circ$.

2.3 The angle of the vertical edges of the camera aperture image shall be $0^\circ \pm 1/2^\circ$ to the reference edge of the film.

2.4 Dimension K is the distance from the bottom edge of the camera aperture image to the bottom of the frame positioning

perforation, two pitches above the perforation adjacent to that image (see the annex clause A.1).

2.5 Dimension K_1 is the distance lengthwise along the path of the film from the bottom of the maximum image area available for projection to the bottom of the frame-positioning perforation, two perforations above the perforation adjacent to the projected image (see the annex clause A.1).

NOTES

1 The value of dimension N_1 has been chosen so that film having a slight shrinkage when it is projected will be properly centred.

2 If the projector has a fixed edge guide, it should make contact with the edge of the film adjacent to the perforations.

3 Bibliography

ISO 1700, *Cinematography — 8 mm Type S motion-picture raw stock film — Cutting and perforating dimensions.*

ISO 1781, *Cinematography — Projector usage of 8 mm Type S motion-picture film for direct front projection.*

ISO 1787, *Cinematography — Camera usage of 8 mm motion-picture film perforated Type S.*