
INTERNATIONAL STANDARD



3773

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Cinematography — Tape splices for 8 mm Type S motion-picture film for projector use — Dimensions

Cinématographie — Raccordement par bandes adhésives pour films cinématographiques 8 mm type S destinés à la projection — Dimensions

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FOREWORD

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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 3773 was developed by Technical Committee ISO/TC 36, *Cinematography*, and was circulated to the member bodies in January 1978.

It has been approved by the member bodies of the following countries :

Austria	India	Switzerland
Belgium	Italy	Turkey
Canada	Japan	United Kingdom
Czechoslovakia	Mexico	U.S.A.
Denmark	Netherlands	U.S.S.R.
Egypt, Arab Rep. of	South Africa, Rep. of	Yugoslavia
France	Spain	
Germany, F.R.	Sweden	

No member body expressed disapproval of the document.

Cinematography — Tape splices for 8 mm Type S motion-picture film for projector use — Dimensions

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions of mated cut splices on 8 mm motion-picture film perforated 8 mm Type S made with a transparent adhesive tape. The specifications herein apply to magnetic and photographic sound films as well as silent films intended only for projection.

2 REFERENCES

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

ISO 3642, *Cinematography — Cement or welded splices for 8 mm Type S motion-picture film — Dimensions.*

3 DIMENSIONS AND CHARACTERISTICS

3.1 The dimensions shall be as shown in the figure and given in the table. These dimensions apply to a freshly made splice.

3.2 The transverse mated cut of the films shall fall within the area defined as detail X in the figure.

3.3 The spliced films shall not be offset more than 0,05 mm, (0.002 in), dimension G, as measured by the differences in the alignment of the reference slide edge of the perforation holes on either side of the spliced halves (see detail Y).

3.4 In the plan view, the angle between the respective edges of the spliced film should be $180^\circ \pm 8'$. Thus, the

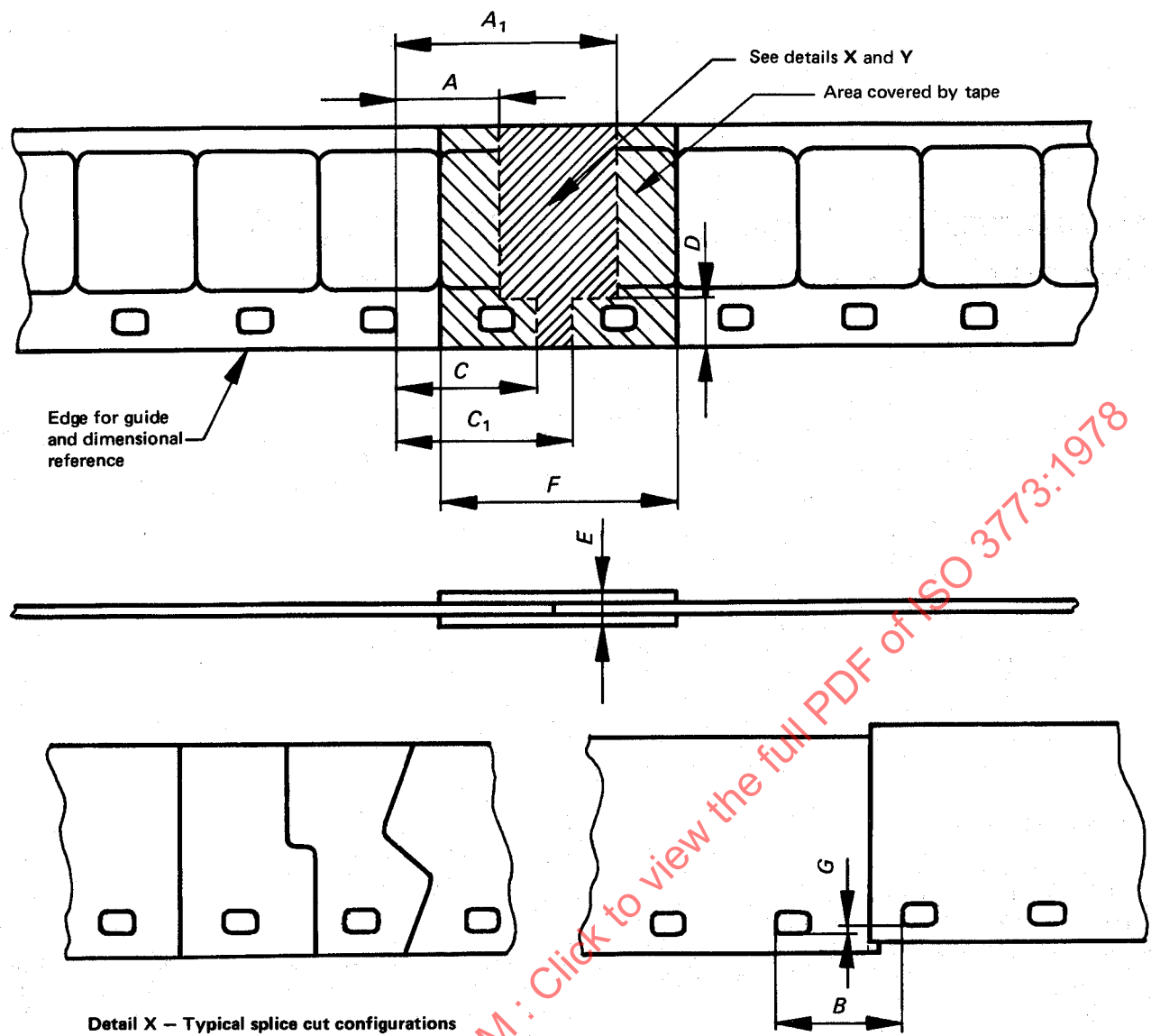
spliced film should be aligned so that when one portion of the film is placed against a straightedge, the other portion will not deviate more than 0,35 mm (0.014 in) in 15,2 cm (6 in).

3.5 Except as described in 3.6, the dimensions of the tape applied to secure the splice shall be such as not to interfere with the film dimensions as specified in ISO 1700, and shall fall within the area described by dimension F. The width of the tape material used to form the splice should encompass the full width of the film if applied only to one side; however, if also applied to the second side, it may exclude the perforation area or the area of the magnetic record and balance stripes or both.

3.6 If the tape used to form a splice is wrapped around the film, either film edge may be used as the wrap-around edge. However, if the perforated edge is used, it is recommended that the splice add no more than 0,05 mm (0.002 in) to the film width nor limit the perforation dimension by the same amount. The overall width of the spliced area shall not exceed 8,15 mm (0.321 in). If the film is slit after the wrap-around splice has been made, the film width shall not be less than 7,92 mm (0.312 in) and the slitting operation shall not affect the perforated edge of the film.

3.7 The splice shall be made with the mated cuts of the film ends butting together as closely as possible, so that no white light shows between the film ends at the time of projection, and there shall be no overlap of the film at the splice.

NOTE — Based on present technology, films joined with tape splices are not acceptable for use as originals in commercial printing operations.



Detail X – Typical splice cut configurations

Detail Y – Alignment dimensions

Dimension	mm	in*
A min.	3,66	0.144
A ₁ max.	7,90	0.311
** B max.	4,28	0.168 5
min.	4,18	0.164 6
C min.	5,0	0.20
C ₁ max.	6,5	0.26
D min.	1,6	0.06
E max.	0,27	0.010 6***
F max.	25,4	1.00
G max.	0,05	0.002

* The metric values are primary and the values in inches are derived and purposely noted with more significant places.

** Dimension B (detail Y) is the distance between common sides of successive perforations measured across the splice.

*** This includes a maximum thickness for magnetic sound stripe of 0,020 mm (0.000 8 in) as specified in ISO 3027.