

Cinematography — Two-track photographic sound records on 35 mm motion-picture prints — Positions and width dimensions

1 Scope and field of application

- 1.1 This International Standard specifies the lateral positions and width dimensions of two-track variable area sound records on 35 mm motion-picture prints.
- 1.2 This International Standard specifies the area scanned in the sound reproducer.

2 Reference

ISO 2939, *Cinematography — Picture image area and photographic sound record on 35 mm motion-picture release prints — Positions and dimensions.*

3 Positions and dimensions

The positions and dimensions of the two sound records shall be as shown in the figure and given in the table. In all other respects, the sound records shall comply with ISO 2939.

4 Sound records

- 4.1 Channel 1 and channel 2 recording and reproducing slit images shall be positioned in line at an angle of 90° ± 5° to the reference edge of the film.
- 4.2 Channel 2 shall be recorded in the record nearest the outer edge of the film, as shown in the figure.

- 4.3 The septum between channel records shall be effectively opaque on prints.

NOTE — A lighter septum, resulting from direct positive recordings being printed on reversal print materials should not be cause for rejection of prints.

5 Picture-sound displacement

The picture-sound displacement shall be as specified in ISO 2939.

6 Track usage

The two tracks specified in this International Standard may be used for either related stereophonic material or unrelated material such as two languages. When used for two-channel stereophonic program material, track 1 shall be used for the left (as viewed from the auditorium) loudspeaker channel. Track 2 shall be used for the right (as viewed from the auditorium) loudspeaker channel.

NOTES

- 1 It is recommended that the container and leader of the print having two sound records be labelled with the above information.
- 2 Dimensions C and D were chosen to ensure separation of the channel 1 and channel 2 signals upon reproduction. Projector manufacturers will probably want to reduce the guard band between the channel 1 and channel 2 scanned areas as much as possible so that the projector will be fully compatible with sound records bearing a single channel and made in accordance with ISO 2939.

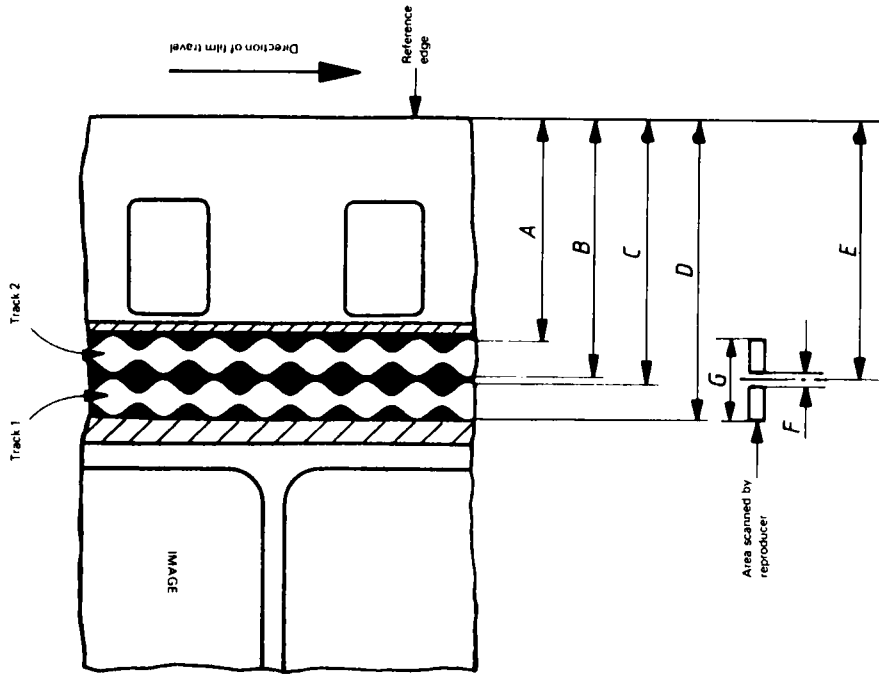


Figure — Two photographic sound tracks on 35 mm motion-picture prints

Table — Dimensions

Dimension	mm	in
A ref.	5.20	0.205
B	6.04 ± 0.05	0.238 ± 0.002
C	6.30 ± 0.05	0.248 ± 0.002
D ref.	7.14	0.281
E ref.	6.18 ± 0.03	0.243 ± 0.001
F max.	0.05	0.02
G ref.	2.13	0.084