
INTERNATIONAL STANDARD



1753

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Cinematography — Recording and reproducing head gaps for six-track magnetic sound records on 35 mm motion-picture film containing no picture — Positions and width dimensions

iTeh STANDARD PREVIEW

Cinématographie — Entrefers des têtes magnétiques pour l'enregistrement et la lecture sonores à six pistes sur film cinématographique 35 mm sans image — Emplacement et dimensions

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[ISO 1753:1975](https://standards.itech.ai/catalog/standards/sist/320f6b24-507c-4953-b60d-adf76af48ac7/iso-1753-1975)

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UDC 778.534.425 : 771.531.351

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Descriptors : cinematography, motion-picture film, magnetic recording, sound recording, magnetic heads, layout, dimensions.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (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 set up 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.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 36 has reviewed ISO Recommendation R 1753 and found it suitable for transformation. International Standard ISO 1753 therefore replaces ISO Recommendation R 1753-1971.

ISO Recommendation R 1753 was approved by the Member Bodies of the following countries :

Australia	Greece	Peru
Austria	India	Romania
Belgium	Iran	Spain
Canada	Israel	South Africa, Rep. of
Czechoslovakia	Italy	Sweden
Egypt, Arab Rep. of	Japan	United Kingdom
France	Netherlands	U.S.A.
Germany	New Zealand	

No Member Body expressed disapproval of the Recommendation.

No Member Body disapproved the transformation of ISO/R 1753 into an International Standard.

Cinematography — Recording and reproducing head gaps for six-track magnetic sound records on 35 mm motion-picture film containing no picture — Positions and width dimensions

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the location and dimensions of the sound record and the recording and reproducing gaps for recording six-track magnetic sound records on 35 mm motion-picture film. It also relates the placement of the magnetic coating on the film to the direction of film travel.

2 REFERENCES

ISO 491, *Cinematography — 35 mm motion-picture film — Cutting and perforating dimensions.*

ISO 1189, *Cinematography — Recorded characteristic for magnetic sound records on 35 mm motion-picture film — Specifications.*

3 LOCATION AND DIMENSIONS

The location and dimensions of the recording and reproducing head gaps shall be as given in the figure and table.

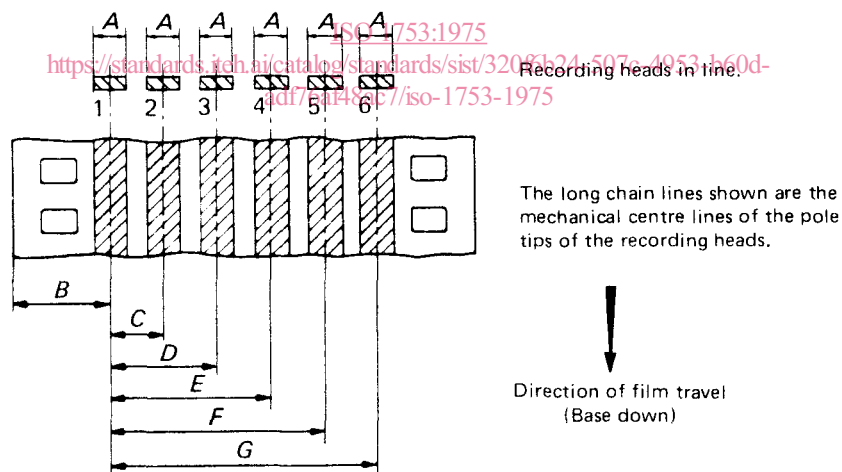


FIGURE — Location and dimensions of the magnetic sound recording head gaps

TABLE

Dimension	mm	in
A	2,54 ± 0,05	0.100 ± 0.002
B	7,34 ± 0,05	0.289 ± 0.002
C	4,06 ± 0,05	0.160 ± 0.002
D	8,12 ± 0,05	0.320 ± 0.002
E	12,18 ± 0,05	0.480 ± 0.002
F	16,24 ± 0,05	0.640 ± 0.002
G	20,30 ± 0,05	0.800 ± 0.002

NOTE — The metric dimensions in the table are based upon the practice of countries using the metric system, and similarly the inch dimensions follow the practice of those countries using the inch system.

In some instances, the values are not exact conversions; the differences are small and magnetic head assemblies made to either system of dimensions will, for all practical purposes, be interchangeable.

4 MAGNETIC COATING

With the direction of film travel as shown in the figure, the magnetic coating shall be on the upper face of the film base.

5 ALIGNMENT OF HEADS

The recording or reproducing gaps in the magnetic head assemblies shall be in line at an angle of $90^\circ \pm 3'$ to the direction of film travel.

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