International Standard 7456

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

Cinematography — Sound motion-picture camera cartridge, 8 mm Type S Model II — Film load position

Cinématographie — Chargeur, modèle II, pour caméra sonore, 8 mm *type S — Emplacement du film*

First edition — 1984-11-01
Corrected and reprinted — 1984-11-15

iTeh STANDARD PREVIEW
(standards.iteh.ai)
ISO 7456:1984
https://standards.iteh.ai/catalog/standards/sist/fe13e434-5e6f-4351-b900-f31695ecb71a/iso-7456-1984

UDC 778.533.4 : 771.531.352 **Ref. No. ISO 7456-1984 (E)**

Descriptors : cinematography, film packs, motion-picture film, motion-picture film 8 mm, positioning.

Price based on 2 pages

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

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International Standard ISO 7456 was prepared by Technical Committee ISO/TC 36, *Cinematography.*

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Printed in Switzerland

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1 Scope and field of application

This International Standard specifies the location for film loaded in 8 mm Type S Model II sound motion-picture film camera cartridges.

2 Dimensions

2.1 The dimensions shall be as shown in the figure and given in the table when measured immediately after manufacturing.

2.2 Dimensions A, B, C and D apply where the film enters and leaves the cartridge (the space provided for the camera film guide, aperture and pressure plate), and are measured to the emulsion side of the film, respectively.

NOTE — The edges of the film are specified because film curl would have to be taken into account if dimensions B and C applied at other locations. However, the film plane is parallel within the tolerances of dimensions B and C.

2.3 Datum planes used for dimensioning are coincident with the surfaces that engage mating camera parts when the cartridge is properly aligned in the camera. The datum planes are mutually perpendicular.

2.3.1 Datum plane Z (primary) is established from the extremities of the four seating bosses (lugs).

2.3.2 Datum plane Y (secondary) is established coincident with the axes of the cartridge take-up core opening and the supply core opening.

2.3.3 Datum plane X (tertiary) is also established coincident with the axis of the cartridge take-up core opening.

Table — Dimensions

Dimension	mm	in
A	2,6 ± 0,1	0.10 ± 0.01
B	33,0 ± 0,5	1.30 ± 0.02
C	40,5 ± 0,5	1.59 ± 0.02
D	2,6 ± 0,1	0.10 ± 0.01

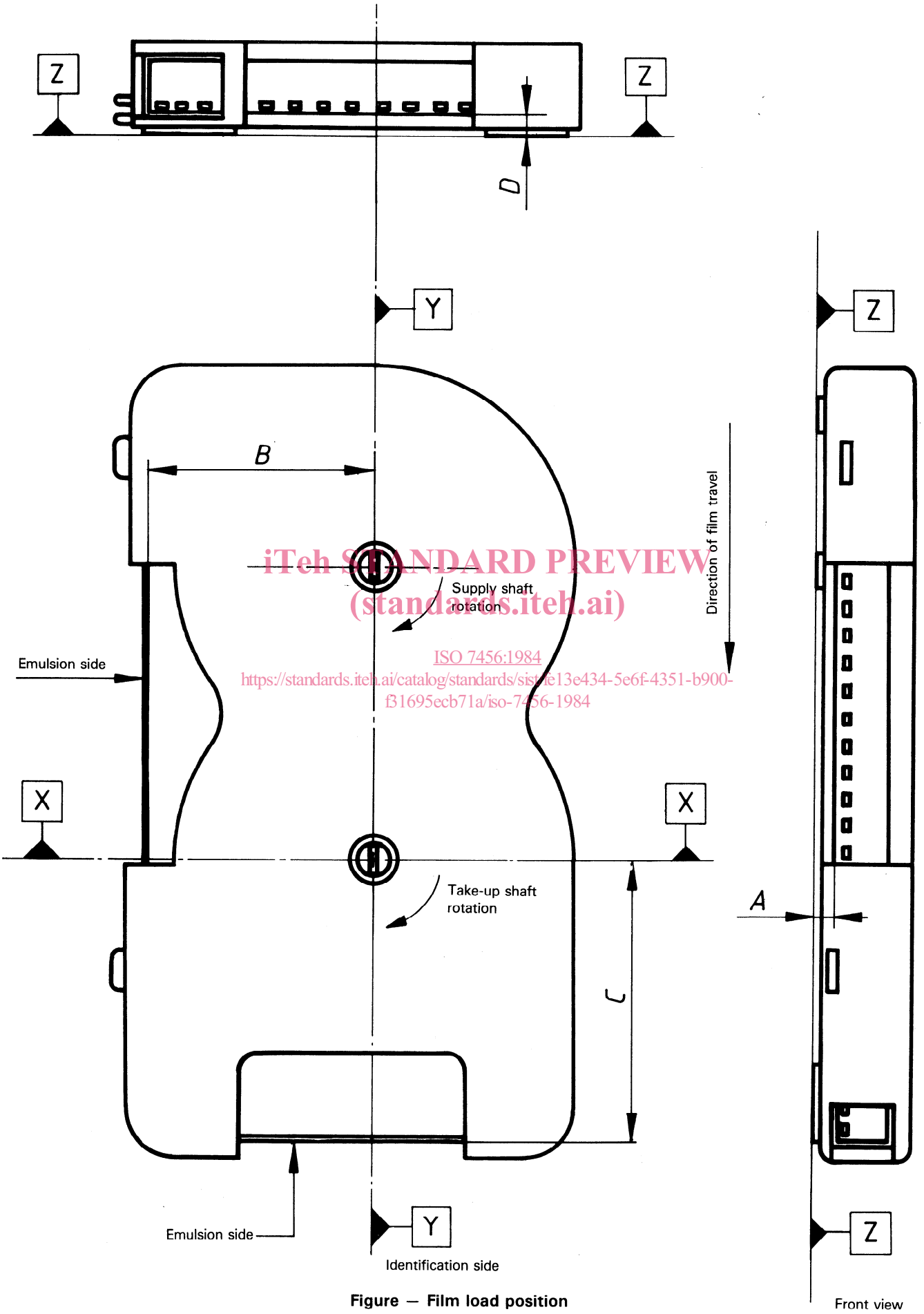
3 Bibliography

ISO 3025, *Cinematography — Motion-picture camera cartridge,* 8 mm *Type S, Model II — Film load position.*

ISO 7453, *Cinematography — Sound motion-picture camera cartridge,* 8 mm *Type S Model II — Cartridge-camera fit and take-up core drive — Dimensions and specifications.*

ISO 7454, *Cinematography — Sound motion-picture camera cartridge,* 8 mm *Type S Model II — Camera run length and end notches in film — Dimensions and specifications.*

ISO 7455, *Cinematography — Sound motion-picture camera cartridge,* 8 mm *Type S Model II — Slots and projection for film speed, cartridge hole and projection for film identification and colour-balancing filter — Dimensions and positions.*



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Figure — Film load position