

Transformed

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 486

CUTTING AND PERFORATING DIMENSIONS
FOR DOUBLE-8 mm MOTION-PICTURE RAW STOCK FILM

1st EDITION

June 1966

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BRIEF HISTORY

The ISO Recommendation R 486, *Cutting and Perforating Dimensions for Double-8 mm Motion-Picture Raw Stock Film*, was drawn up by Technical Committee ISO/TC 36, *Cinematography*, the Secretariat of which is held by the American Standards Association, Inc. (ASA).

Work on this question by the Technical Committee began in 1948 and led, in 1961, to the adoption of a Draft ISO Recommendation.

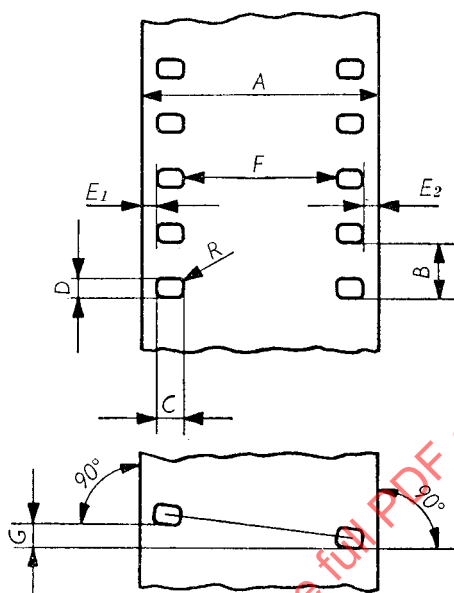
In October 1963, this Draft ISO Recommendation (No. 608) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Argentina	Greece	Romania
Belgium	Hungary	Sweden
Canada	Italy	Switzerland
Czechoslovakia	Japan	United Kingdom
Denmark	Korea, Rep. of	U.S.A.
France	Netherlands	U.S.S.R.
Germany	New Zealand	

No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in June 1966, to accept it as an ISO RECOMMENDATION.

CUTTING AND PERFORATING DIMENSIONS FOR DOUBLE-8 mm MOTION-PICTURE RAW STOCK FILM



Dimension	millimetres	inches
* A	15.95 ± 0.025	0.628 ± 0.001
** B	3.81 ± 0.015	0.1500 ± 0.0005
C	1.83 ± 0.01	0.0720 ± 0.0004
D	1.27 ± 0.01	0.0500 ± 0.0004
*** (E ₁ - E ₂)	0.10 maximum	0.004 maximum
F	10.49 ± 0.025	0.413 ± 0.001
G	0.025 maximum	0.001 maximum
**** L	381.00 ± 0.40	15.000 ± 0.015
R	0.25 nominal	0.010 nominal

These dimensions apply to raw stock safety film immediately after cutting and perforating.

* This dimension applies to low-shrink raw stock safety film base, as defined in Annex B. For film base with higher shrinkage characteristics, dimension A should be 15.98±0.025 mm (0.629±0.001 in). Experience shows that it is common for film to expand when exposed to high relative humidity. Allowance should be made for this factor in equipment design and in no case should equipment fail to accommodate a film width of 16.00 mm (0.630 in). In the slitting of double-width film after processing, the cut should be made so that neither of the two 8-mm films has a width more than 8.03 mm (0.316 in). It is not practicable to state precisely the resulting widths after slitting since these will be affected not only by the tolerance on the width, dimension A, but also by the shrinkage of the film resulting from processing.

** The tolerances of the metric and inch values of dimension B are not exactly equivalent, but the advantage of round numbers in both systems is considered to outweigh the importance of the residual difference.

*** Difference between E₁ and E₂.

**** Dimension L represents the length of any 100 consecutive perforation intervals.