UDC 771.3 : 778.4

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ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION
R 515

DIMENSIONS FOR STEREO STILL PHOTOGRAPHY USING 35 mm OBJECTIVES ON 35 mm FILM, FIVE-PERFORATION FORMAT

1st EDITION
November 1966

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 515, *Dimensions for Stereo Still Photography Using 35 mm Objectives on 35 mm Film, Five-Perforation Format*, was drawn up by Technical Committee ISO/TC 42, *Photography*, the Secretariat of which was held by the American Standards Association, Inc. (ASA).

Work on this question by the Technical Committee began in 1955 and led, in 1960, to the adoption of a Draft ISO Recommendation.

In August 1961, this Draft ISO Recommendation (No. 422) was circulated to all the ISO Member Bodies for enquiry. It was approved by the following Member Bodies:

Belgium	Italy	Switzerland
Brazil	Japan	United Kingdom
Canada	Netherlands	U.S.A.
Chile	New Zealand	U.S.S.R.
France	Romania	
Germany	Sweden	

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 November 1966, to accept it as an ISO RECOMMENDATION.

ISO Recommendation R 515 November 1966

DIMENSIONS FOR STEREO STILL PHOTOGRAPHY USING 35 mm OBJECTIVES ON 35 mm FILM, FIVE-PERFORATION FORMAT

FOREWORD

It is intended that this ISO Recommendation, although restricted to cameras with 35 mm focal length objectives, should also be used as a guide, with respect to type of information considered essential, for other ISO Recommendations pertaining to stereo photography systems.

1. SCOPE

This ISO Recommendation specifies the dimensions of the picture apertures in stereo still cameras using lenses of 35 mm focal length and producing the five-perforation format on standard, double-perforated 35 mm film. It establishes the dimensions of the related mounts and mounting requirements for both hand-held viewers and projection viewing conditions. Certain camera design aspects essential for satisfactory stereography are also specified.

2. TRANSPARENCY DIMENSIONS

2.1 Camera aperture dimensions are determined by measurement of films after exposure in the camera. The following dimensions and tolerances are required:

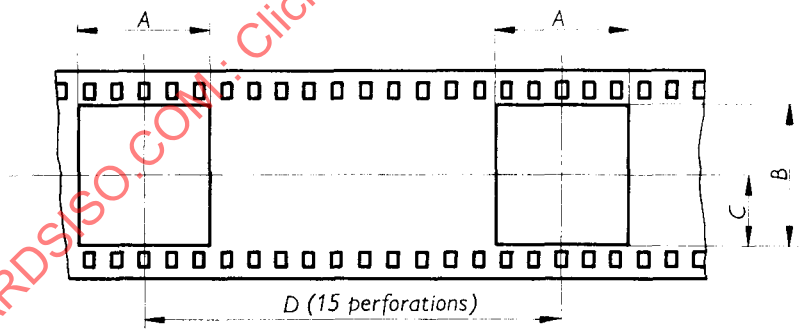


FIG. 1.

Dimension	millimetres	inches
A	$23.75\ ^{0}_{-0.5}$	$0.935\ ^{0}_{-0.020}$
B	24.20 minimum	0.952 minimum
C	12.10 minimum	0.476 minimum
D	71.25 ± 0.2	2.805 ± 0.007

2.2 The centerline of each picture frame should pass through the centerline of a film perforation within ± 0.75 mm (± 0.030 in).

2.3 The picture frame produced by the right-hand lens (when the camera is in operating position as viewed from the back of the camera) should be identified by some mark exposed on the film simultaneously with the picture exposure.

3. CAMERA ESSENTIALS

The camera *objective lenses*, which have a focal length of 35 mm, are displaced one toward the other by 0.58 mm (0.023 in) with respect to the centerline, of their apertures.

4. STEREO MOUNT DIMENSIONS

The dimensions shown in Figure 2 apply to all stereo mounts. In Figure 3 are given the critical dimensions for stereo mounts for hand viewing and for three different conditions of projection viewing.

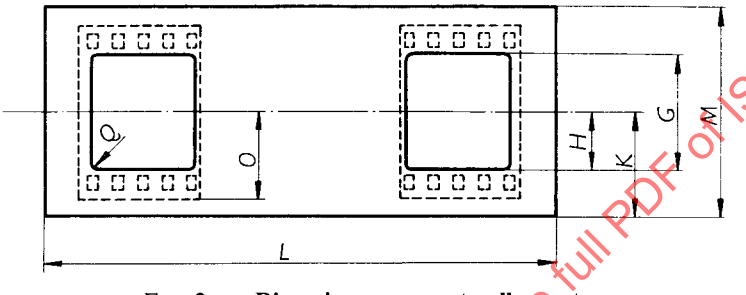
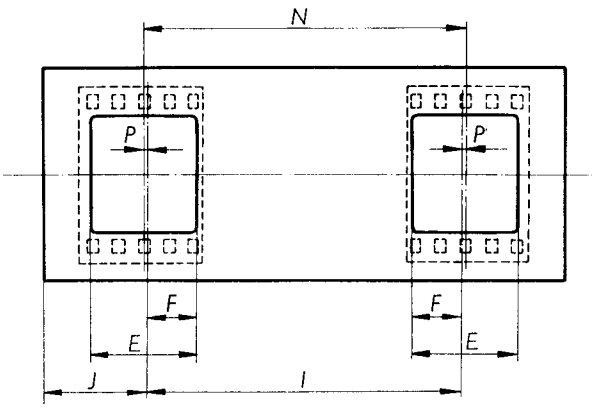


FIG. 2. — **Dimensions common to all mounts**

Dimension	millimetres	inches
G	23.50 to 23.75	0.925 to 0.935
H	11.80	0.465
K	20.50 to 20.75	0.808 to 0.816
L	101.20 to 101.60	3.984 to 4.000
M	40.85 to 41.25	1.609 to 1.625
O	17.45 to 17.55	0.687 to 0.691
Q	0.75 radius	0.03 radius
Thickness	0.90 to 3.15	0.035 to 0.125



N = *Distance between the centers of transparencies*

I = *Distance between the centers of apertures*

FIG. 3. — **Dimensions which differ for the various types of mount**