

# INTERNATIONAL STANDARD



# 518

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

## Photography — Camera accessory shoes, with and without electrical contacts, for photoflash lamps and electronic photoflash units

*Photographie — Griffes pour accessoires d'appareils de prises de vue, avec et sans contact électrique pour lampes à éclairs et équipements électroniques à éclairs*

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**Descriptors :** photography, cameras, accessories, flash lamps, fasteners, mountings, 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.

International Standard ISO 518 was developed by Technical Committee ISO/TC 42, *Photography*, and was circulated to the member bodies in March 1976.

It has been approved by the member bodies of the following countries :

Australia	Germany	South Africa, Rep. of
Austria	Italy	Spain
Belgium	Japan	Turkey
Canada	Korea, Rep. of	United Kingdom
Czechoslovakia	Mexico	U.S.A.
Egypt, Arab Rep. of	Romania	U.S.S.R.

No member body expressed disapproval of the document.

This International Standard cancels and replaces ISO Recommendation R 518-1966, of which it constitutes a technical revision.

# Photography – Camera accessory shoes, with and without electrical contacts, for photoflash lamps and electronic photoflash units

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions of camera accessory shoes, with and without electrical contacts, for photoflash lamps and electronic photoflash units. The dimensions given in the table are basic for the solid shoe. When an accessory shoe is equipped with springs or other devices for holding the accessory foot tightly or maintaining good electrical contact, the dimensions of the shoe may be changed within the range in which their interchangeability and functions will not be affected.

## 2 DIMENSIONS

The dimensions shall be as given in the table accompanying figures 2 and 3.

## 3 CONSTRUCTIONAL DETAILS

### 3.1 Accessory shoes with and without electrical contact

#### 3.1.1 Clearance for the accessory equipment

3.1.1.1 A rectangular area, area A of figure 1, extending 12,5 mm (0.492 in) in front, 25,0 mm (0.984 in) at the

back of the shoe and 25,0 mm (0.984 in) to the right and to the left of the centre of the shoe, shall be devoid of obstruction higher than 2,0 mm (0.079 in) above the top surface of the shoe.

3.1.1.2 A circular area, area B of figure 1, of diameter 30,0 mm (1.181 in), located as dimensioned in figure 1, shall be devoid of obstructions higher than the top surface of the shoe.

#### 3.1.2 Clearance for insertion of the accessory equipment foot

A rectangular area, area C of figure 1, extending 25,0 mm (0.984 in) from the back of the shoe and 20,0 mm (0.787 in) wide, shall be devoid of any obstruction above the plane of the base surface of the shoe.

### 3.2 Accessory shoes with electrical contacts

The electrical contact surface (dimension G of figure 2) shall be flat and the edge rounded off. The insulation resistance shall be not less than 30 M $\Omega$  when tested at between 0 and 40 °C and a relative humidity of 40 to 85 %.

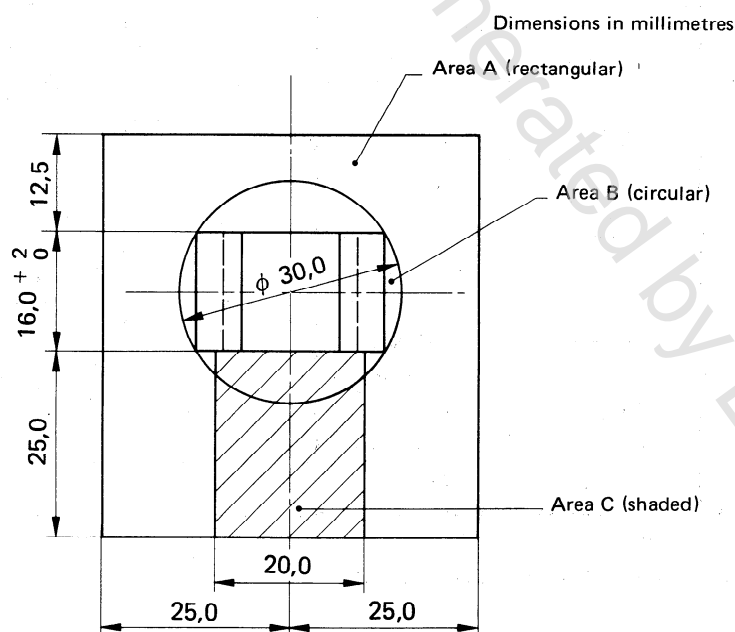


FIGURE 1 – Location of clearance areas