

INTERNATIONAL
STANDARD

ISO
10935

First edition
1996-12-15

**Optics and optical instruments —
Microscopes — Interfacing connection
type C**

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*Optique et instruments d'optique — Microscopes — Raccord d'interface
de type C*

[ISO 10935:1996](https://standards.iteh.ai/catalog/standards/sist/1221d6a7-5fd8-4d05-9ce3-d88da891ce0b/iso-10935-1996)

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Reference number
ISO 10935:1996(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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International Standard ISO 10935 was prepared by Technical Committee ISO/TC 172, *Optics and optical instruments*, Subcommittee SC 5, *Microscopes and endoscopes*.

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International Organization for Standardization

Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Optics and optical instruments — Microscopes — Interfacing connection type C

1 Scope

This International Standard specifies the dimensions of a thread mount connection type C for a microscope imaging exit port (other than a monocular or binocular viewing tube) and the position of the primary image plane.

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2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 263:1973, *ISO inch screw threads — General plan and selection for screws, bolts and nuts — Diameter range 0,06 to 6 in.*

3 Definitions

For the purposes of this International Standard, the following definitions apply.

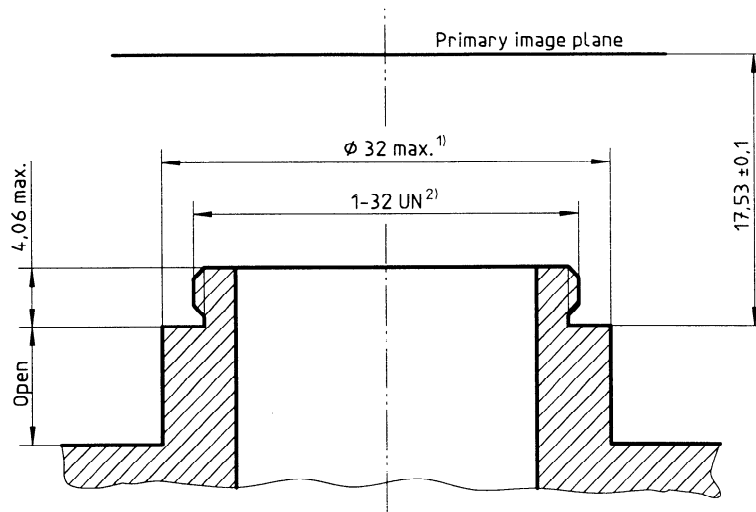
- 3.1 male component:** Imaging exit port of a microscope onto which a television or movie camera is mounted.
- 3.2 female component:** Fitting of the television or movie camera into which the microscope exit port is inserted.

4 Requirements

The dimensions of the male component shall be as shown in figure 1; dimensions of the female component shall be as shown in figure 2.

The position of the primary image plane shall be as shown in figures 1 and 2.

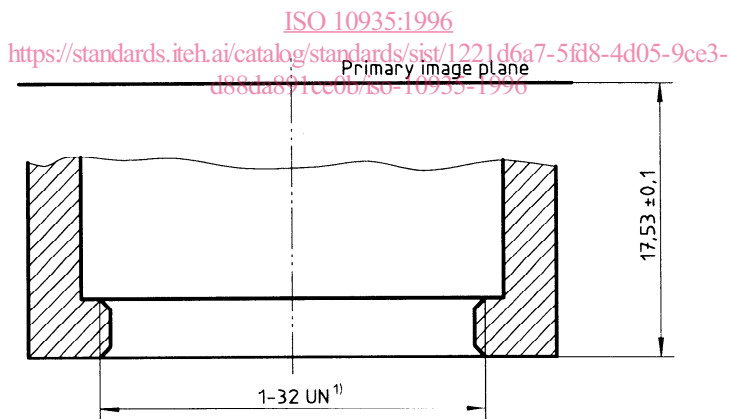
Dimensions in millimetres



- 1) $\varnothing 32 \text{ mm max.}$ may not be compatible with other cine cameras.
- 2) In accordance with ISO 263.

NOTE The distance 17,53 is measured in air.

Figure 1 — Dimensions of male component and position of the primary image plane
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- 1) In accordance with ISO 263.

NOTE — The distance 17,53 is measured in air.

Figure 2 — Dimensions of female component and position of the primary image plane

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ICS 37.020

Descriptors: optics, optical equipment, microscopes, optical microscopes, fittings, screwed connections, interfaces, dimensions.

Price based on 2 pages
