
**Optics and optical instruments —
Microscopes — Diameter of
interchangeable eyepieces**

*Optique et instruments d'optique — Microscopes — Diamètre d'oculaires
interchangeables*

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ISO 10937:2000

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 10937 was prepared by Technical Committee ISO/TC 172, *Optics and optical instruments*, Subcommittee SC 5, *Microscopes and endoscopes*.

This second edition cancels and replaces the first edition, which has been revised to omit the reference to microscopes with tube length 160 mm, thus expanding the field of applicability of this International Standard.

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Optics and optical instruments — Microscopes — Diameter of interchangeable eyepieces

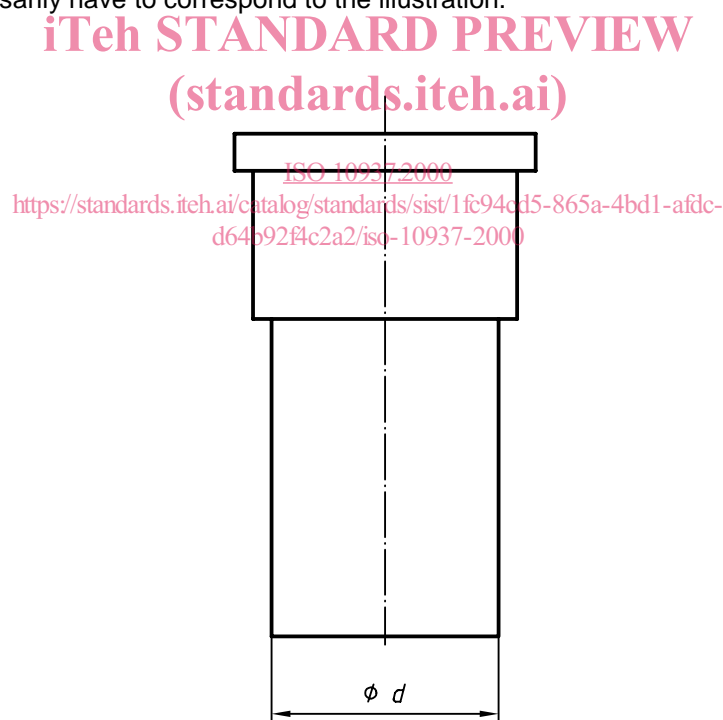
1 Scope

This International Standard specifies the diameter of interchangeable eyepieces for microscopes.

NOTE A specific combination of eyepiece, objective and tube lens is frequently used to correct aberrations. Therefore the combination of an objective from one manufacturer and the tube lens or eyepiece from another manufacturer, although conforming to this International Standard, may cause errors in magnification and/or in optical performance.

2 Requirements

The dimensions of the eyepiece diameter shall comply with those given in Figure 1, however, the shape of the eyepiece does not necessarily have to correspond to the illustration.



$d = 23,2 \text{ mm h8}$; or

$d = 30,0 \text{ mm h8}$

Figure 1 — Diameter of the eyepiece

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