
Microscopes — Cover glasses —

Part 1:

**Dimensional tolerances, thickness and
optical properties**

Microscopes — Lamelles couvre-objet —

Partie 1: Tolérances dimensionnelles, épaisseur et propriétés optiques

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 5, *Microscopes and endoscopes*.

This third edition cancels and replaces the second edition (ISO 8255-1:2011), of which it constitutes a minor revision to correct the designation of cover glass.

A list of all parts in the ISO 8255 series can be found on the ISO website.

Introduction

This document defines dimensions and specifies optical quality requirements in order to guarantee the quality of observation.

The data given in this document are applicable to most products in use and have been adapted to take into account the relevant national standards in vigour.

This document contains requirements for dimensional tolerances, thickness and optical properties, whereas quality requirements and test methods related to the material are dealt with in ISO 8255-2.

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