
**Optics and photonics — Preparation
of drawings for optical elements and
systems —**

**Part 9:
Surface treatment and coating**

*Optique et photonique — Indications sur les dessins pour éléments et
systèmes optiques —*

Partie 9: Traitement de surface et revêtement

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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.

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The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 1, *Fundamental standards*.

This second edition cancels and replaces the first edition (ISO 10110-9:1996), which has been technically revised with the following changes:

- a) the referencing of optical coating standards ISO 9211-1 and ISO 9211-2;
- b) the description of functional coatings in tabular form as described in ISO 10110-1;
- c) a complete revision of all drawings;
- d) the addition of [Annexes A to D](#) which show examples for optical drawings and coating specification documents.

ISO 10110 consists of the following parts, under the general title *Optics and photonics — Preparation of drawings for optical elements and systems*:

- *Part 1: General*
- *Part 2: Material imperfections — Stress birefringence*
- *Part 3: Material imperfections — Bubbles and inclusions*
- *Part 4: Material imperfections — Inhomogeneity and striae*
- *Part 5: Surface form tolerances*
- *Part 6: Centring tolerances*
- *Part 7: Surface imperfection tolerances*
- *Part 8: Surface texture; roughness and waviness*
- *Part 9: Surface treatment and coating*

- *Part 10: Table representing data of optical elements and cemented assemblies*
- *Part 11: Non-toleranced data*
- *Part 12: Aspheric surfaces*
- *Part 14: Wavefront deformation tolerance*
- *Part 17: Laser irradiation damage threshold*
- *Part 19: General description of surfaces and components*

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