



ISO 10110-6

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

Part 6:
Centring and tilt tolerances

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

Partie 6: Tolérances de centrage et d'inclinaison

**Third edition
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This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 1, *Fundamental standards*.

This third edition cancels and replaces the second edition (ISO 10110-6:2015), which has been technically revised.

The main changes compared to the previous edition are as follows:

- title and scope have been changed to include tilt tolerances as well as centring tolerances;
- clarified the definitions of datum features and datums to be more consistent with standard practice;
- added a definition of a circular datum feature and a circular datum;
- clarified the conditions in which the datums need not be indicated on the drawing;
- removed the use of a target datum symbol and replaced it with the simpler circular datum;
- added examples of surface tilt and beam deviation tolerances for plates and prisms;
- removed [Figure 20](#);
- added an informative [Annex A](#) as a guidance to datums, datum features, datum systems, and tolerances.

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